ANSI/IES LM-79-19 TEST REPORT

Applicant's name.....:	LED One Corporation
Address.....:	12437 Bellegrave Ave. Eastvale, CA 91752
Brand Name .....:	LED One
Report No. .....:	BTR66.181.23.0004.37
Product Name.....:	LED Luminaires
Model Number.....:	LOC-22AJPL-MW(20/25/30)MCCT(35/40/50)D

Tested by (printed name and signature) .....:	Xia Zeng	Xia Zeng .....
Title.....:	**Test Engineer**	
Approved by (printed name and signature) .....:	Junia Zhang	Junia Zhang .....
Title.....:	**Approved By**	
Date of issue .....:	Jun 02, 2023	

Testing Laboratory Name .....:	BEST Test Service Shenzhen Co., Ltd.
Address .....:	1st Floor, 1st Building, Weitai Industrial Park, Yingrenshi, Shiyan, Baoan, Shenzhen, China Tel:+86-755-28236006, Email: service@bestcert.cn
Accreditation .....:	DLC/Lighting Facts/UL/ETL/ELI/CEC/EPA/DOE NVLAP Testing Lab Code: 200770-0

Test specification

Standard.....:	ANSI/IES LM-79-19
Test procedure/method .....:	ANSI/IES LM-79-19 Test Procedure
Non-standard test method .....:	No

Test Report Form No.	BEST_ LM-79-19
TRF originator.....:	BEST Test Service Shenzhen Co., Ltd. Mr Tseng
Master TRF .....:	BEST_LM-79-19.doc

Note:

The laboratory has not been responsible for the sampling stage (e.g. the sample has been provided by the customer), the results relate only to the items tested.

Description:

The date of sampling ..... :	N/A
The date of receipt of the test sample / requirement /item(s) ..... :	Jan 28, 2023
Test date..... :	Jan 28, 2023 to Feb 01, 2023
Model Number ..... :	LOC-22AJPL-MW(20/25/30)MCCT(35/40/50)D
The condition of the item ..... :	N/A
Sampling method..... :	Provided by Applicant
Sample Quantity ..... :	1 unit
SKU ..... :	N/A
Rating(s) (V; Hz)..... :	AC 120V-277V; 60Hz
Test Voltage(V; Hz) ..... :	AC 120V/60HZ
Nominal Power ..... :	20W-30W-35W
Nominal Power Factor ..... :	N/A
Nominal Lumen Output..... :	

Setting	20W	30W	35W
3500K	2200lm	3300lm	3850lm
4000K	2200lm	3300lm	3850lm
5000K	2200lm	3300lm	3850lm

Nominal CCT ..... :	3500K-4000K-5000K
Note	This product is CCT and wattage adjustable, tested at 35W setting specified by applicant.
Nominal CRI(Ra) ..... :	80
Number of hours operated prior to measurement..... :	0H
Total operating time of the product for measurements including stabilization:	3.5H
Ambient temperature ..... :	24.7℃
Orientation (burning position) of SSL product during test..... :	Lighting Surface Down or Base Up
Stabilization time ..... :	1.5 H
Photometric method ..... :	Sphere-spectroradiometer+ Goniophotometer
Calibration standard lamp used ..... :	DC 24V 100W Omni-Directional Halogen Calibrated by NIM China (Sphere) DC 120V 500W Omni-Directional Halogen Calibrated by NIM China (Goniophotometer)
Correction factors applied..... :	Self absorbing applied
Photometric measurement conditions ..... :	See test method description below
Bandwidth of spectroradiometer ..... :	1nm
Statement of uncertainties ..... :	3.1%
LED Light engine monitoring temperature °C ..... :	N/A
Deviation..... :	None
Note ..... :	Test data share with BTR66.181.23.0001.20

Photometric and Electrical Measurement

Total light output (luminous flux) for the 25°C ±1°C ambient temperature conditions was measured using a ø2.0m 4Π geometry integrating sphere. Temperature was measured at a position inside the sphere. Spectral radiant flux was measured using the photo detector built in the integrating sphere. Each lamp was operated at rated voltage in its designated orientation. Each lamp was in a stable state before measurements are done as below:

Step 1 Take 3 measurements of the lamp light output at 10 minutes interval (total time=20mintues.), the pre-burning time is not included in the formal testing time period.
Step 2 Calculate the difference in percentage between the maximum measured value and the minimum measured value with the three consecutive measurements.
Step 3 If the value calculated in Step 2 does not exceed 0.5 percent, the lamp is considered stable.

Luminous flux, chromaticity coordinates, correlated color temperature and color rendering index for each lamp were calculated from the spectral radiant flux measurements taken at 1 nm increment over the range of 380 to 780 nm. The calibration of the sphere photometer-spectrometer system can be traced back to the NIM. Lamp efficacy (lumens per watt) for each lamp model was computed based on the luminous flux result revised taking the self-absorbing correction factor into consideration. Electrical measurements including voltage, current, power and power factor were measured using the digital power meter.

Luminous Intensity

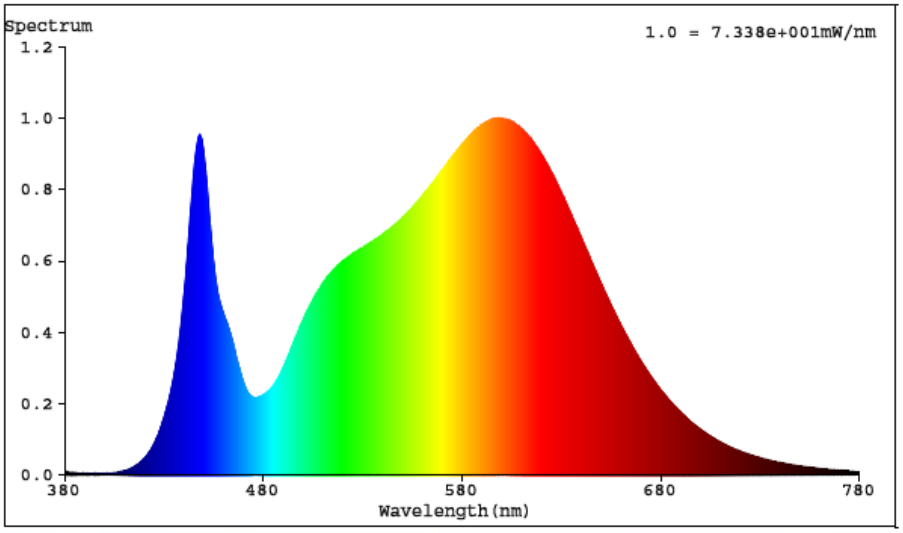
A goniophotometer was used to measure the intensity distribution at each angle, Luminous intensity (cd) was measured within each vertical plane at a 22.5° vertical angle increment (maximum) from 0° to 360°, measurements were repeated in vertical planes about the lamp (polar) axis in an increment of 1° from 0° to 180°, and the intensity data were exported to a file in excel format.

Photometric and Electrical Test Data

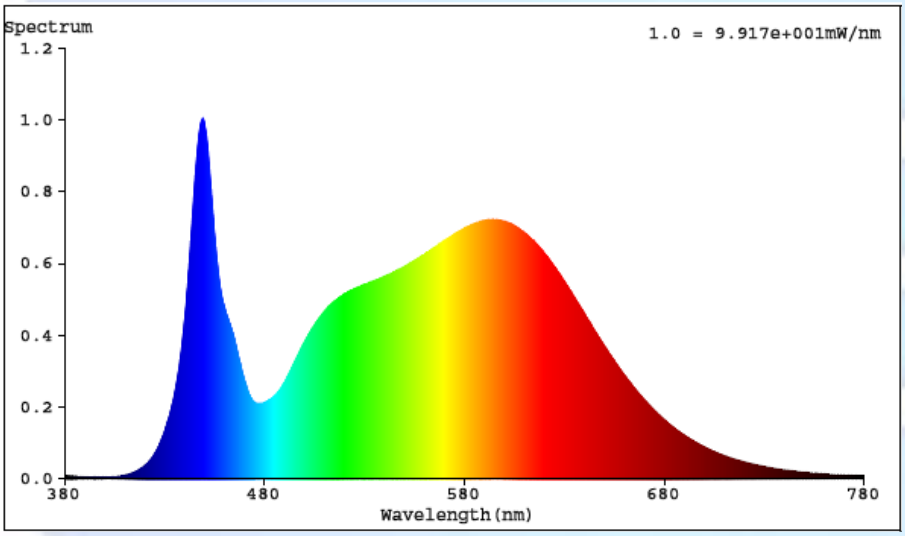
Model Number	Input Voltage (V)	Frequency (Hz)	Input Current (A)	ITHD	Input Power (W)	Power Factor	Lumen Output (Lumens)	Efficiency (Lumen/W)
LOC-22AJPL-MW(20/25/30)MCCT(35/40/50)D (3500K)	120.04	60.0	0.3134	10.2%	34.83	0.9260	3987.80	114.49
LOC-22AJPL-MW(20/25/30)MCCT(35/40/50)D (4000K)	120.01	60.0	0.3000	10.7%	33.19	0.9216	4217.30	127.07
LOC-22AJPL-MW(20/25/30)MCCT(35/40/50)D (5000K)	120.03	60.0	0.3089	10.1%	34.69	0.9355	4016.80	115.79
Model Number	**CCT (K)**	**CRI (Ra)**	**R9**	**x CIE1931**	**y CIE1931**	**u' CIE1976**	**v' CIE1976**	**Duv CIE1976**
LOC-22AJPL-MW(20/25/30)MCCT(35/40/50)D (3500K)	3594	83.5	10	0.3994	0.3859	0.2338	0.5084	-0.0008
LOC-22AJPL-MW(20/25/30)MCCT(35/40/50)D (4000K)	4215	84.2	14	0.3709	0.3690	0.2219	0.4967	-0.0008
LOC-22AJPL-MW(20/25/30)MCCT(35/40/50)D (5000K)	5053	82.6	7	0.3439	0.3539	0.2097	0.4856	0.0016

Spectrum Plots

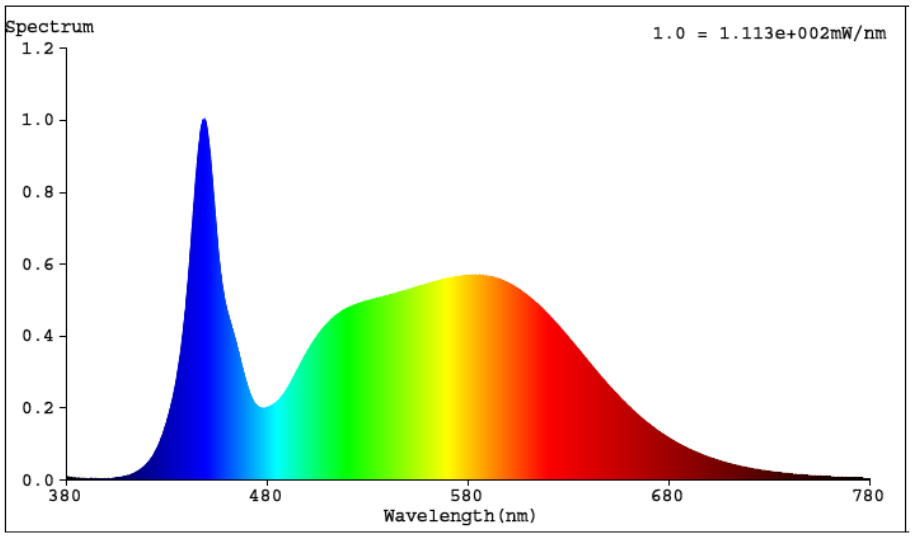
3500K



4000K



5000K



7-step quadrangle of ANSI 78.377-2017

	3500K quadrangle	
	x	y
ANSI 78.377-2017 Basic	0.4303	0.4173
	0.4003	0.4035
	0.3895	0.3709
	0.4150	0.3821
	0.4303	0.4173
Center	0.4078	0.3930
1	0.3994	0.3859
2		
3		
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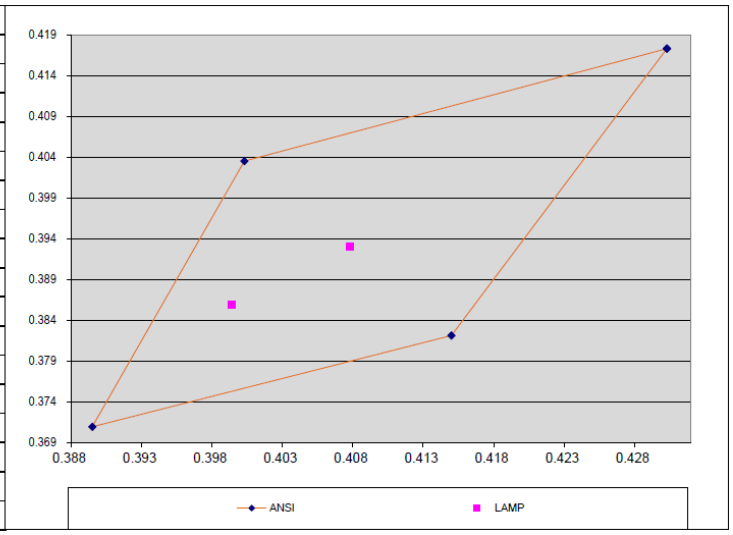
7		
8		
9		
10		



	4000K quadrangle	
	x	y
ANSI 78.377-2017 Basic	0.4003	0.4035
	0.3737	0.3880
	0.3671	0.3583
	0.3895	0.3709
	0.4003	0.4035
Center	0.3818	0.3797
1	0.3709	0.3690
2		
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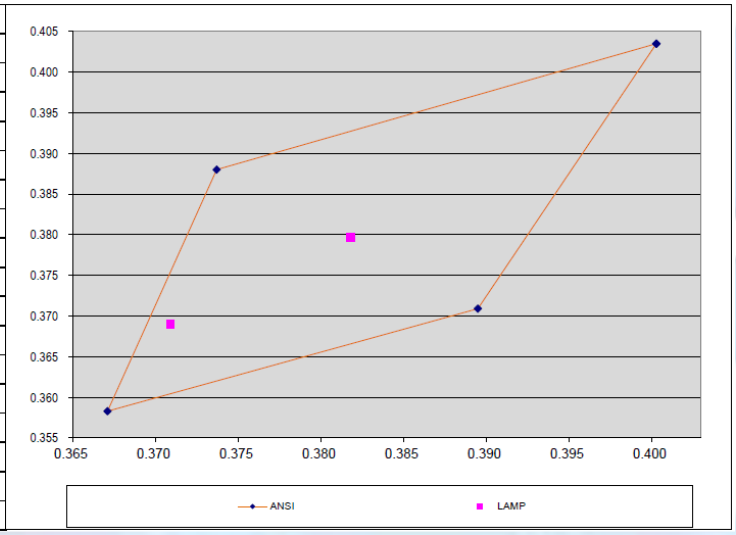

	5000K Quadrangle	
	x	y
ANSI 78.377-2017 Basic	0.3550	0.3753
	0.3375	0.3619
	0.3366	0.3373
	0.3514	0.3481
	0.3550	0.3753
Center	0.3446	0.3551
1	0.3439	0.3539
2		
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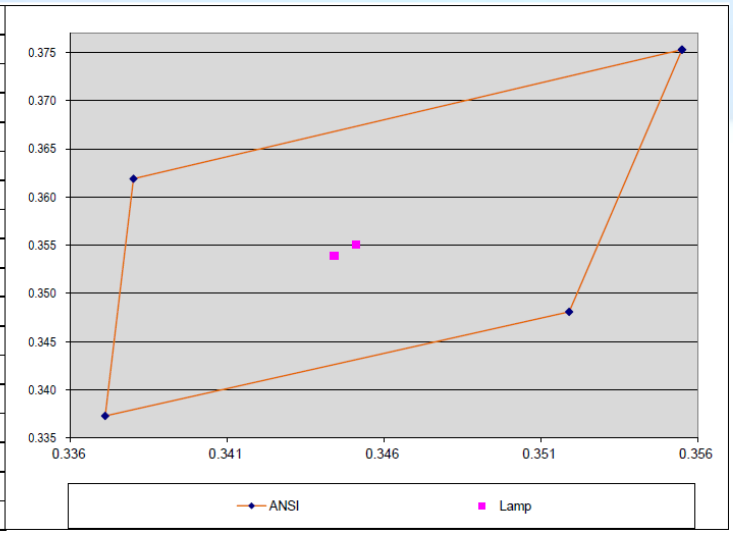


Spectral Energy Distribution(3500K)

WL (nm)	Spectrum	Spectrum	WL (nm)	Spectrum	Spectrum
380	0.0068	0.5018	581	0.9323	68.4200
381	0.0083	0.6117	582	0.9389	68.9000
382	0.0067	0.4952	583	0.9448	69.3300
383	0.0056	0.4135	584	0.9509	69.7800
384	0.0051	0.3709	585	0.9570	70.2300
385	0.0047	0.3424	586	0.9630	70.6700
386	0.0043	0.3141	587	0.9665	70.9300
387	0.0046	0.3376	588	0.9717	71.3100
388	0.0039	0.2887	589	0.9776	71.7400
389	0.0046	0.3366	590	0.9807	71.9700
390	0.0038	0.2816	591	0.9850	72.2800
391	0.0040	0.2914	592	0.9885	72.5400
392	0.0044	0.3228	593	0.9913	72.7400
393	0.0035	0.2594	594	0.9939	72.9400
394	0.0035	0.2560	595	0.9963	73.1100
395	0.0033	0.2436	596	0.9972	73.1800
396	0.0035	0.2598	597	0.9976	73.2100
397	0.0033	0.2394	598	0.9989	73.3000
398	0.0036	0.2622	599	0.9989	73.3100
399	0.0037	0.2727	600	0.9991	73.3200
400	0.0041	0.3005	601	0.9977	73.2100
401	0.0042	0.3088	602	0.9967	73.1500
402	0.0047	0.3431	603	0.9944	72.9800
403	0.0050	0.3699	604	0.9923	72.8200
404	0.0054	0.3955	605	0.9896	72.6200
405	0.0061	0.4501	606	0.9869	72.4200
406	0.0067	0.4922	607	0.9822	72.0700
407	0.0076	0.5571	608	0.9779	71.7600
408	0.0084	0.6193	609	0.9724	71.3600
409	0.0098	0.7176	610	0.9686	71.0800
410	0.0113	0.8263	611	0.9633	70.6900
411	0.0130	0.9510	612	0.9572	70.2400
412	0.0144	1.0550	613	0.9511	69.8000
413	0.0171	1.2510	614	0.9445	69.3100
414	0.0198	1.4550	615	0.9380	68.8400
415	0.0228	1.6750	616	0.9296	68.2200
416	0.0265	1.9420	617	0.9217	67.6400
417	0.0303	2.2220	618	0.9144	67.1000
418	0.0349	2.5610	619	0.9051	66.4200
419	0.0397	2.9120	620	0.8964	65.7800
420	0.0453	3.3270	621	0.8869	65.0900
421	0.0514	3.7720	622	0.8767	64.3400
422	0.0590	4.3280	623	0.8664	63.5800

423	0.0669	4.9120	624	0.8566	62.8600
424	0.0764	5.6050	625	0.8461	62.0900
425	0.0864	6.3370	626	0.8352	61.2900
426	0.0987	7.2430	627	0.8242	60.4900
427	0.1109	8.1390	628	0.8123	59.6100
428	0.1264	9.2750	629	0.8009	58.7700
429	0.1428	10.4800	630	0.7890	57.9000
430	0.1601	11.7500	631	0.7777	57.0700
431	0.1805	13.2400	632	0.7640	56.0600
432	0.2018	14.8100	633	0.7521	55.2000
433	0.2251	16.5200	634	0.7396	54.2800
434	0.2515	18.4500	635	0.7274	53.3800
435	0.2819	20.6900	636	0.7138	52.3900
436	0.3159	23.1800	637	0.7013	51.4700
437	0.3533	25.9300	638	0.6889	50.5600
438	0.3986	29.2500	639	0.6761	49.6100
439	0.4491	32.9600	640	0.6636	48.7000
440	0.5074	37.2400	641	0.6493	47.6500
441	0.5722	41.9900	642	0.6366	46.7200
442	0.6432	47.2000	643	0.6237	45.7700
443	0.7165	52.5800	644	0.6108	44.8200
444	0.7872	57.7700	645	0.5970	43.8100
445	0.8525	62.5600	646	0.5845	42.9000
446	0.9048	66.4000	647	0.5724	42.0100
447	0.9395	68.9400	648	0.5598	41.0800
448	0.9512	69.8000	649	0.5469	40.1300
449	0.9379	68.8300	650	0.5349	39.2500
450	0.9020	66.1900	651	0.5224	38.3400
451	0.8468	62.1400	652	0.5094	37.3800
452	0.7817	57.3600	653	0.4979	36.5400
453	0.7134	52.3500	654	0.4860	35.6700
454	0.6502	47.7100	655	0.4736	34.7500
455	0.5926	43.4900	656	0.4626	33.9500
456	0.5464	40.1000	657	0.4504	33.0500
457	0.5106	37.4700	658	0.4399	32.2900
458	0.4857	35.6400	659	0.4282	31.4200
459	0.4651	34.1300	660	0.4173	30.6200
460	0.4492	32.9600	661	0.4069	29.8600
461	0.4330	31.7700	662	0.3963	29.0900
462	0.4175	30.6400	663	0.3860	28.3200
463	0.4007	29.4000	664	0.3752	27.5300
464	0.3825	28.0700	665	0.3651	26.7900
465	0.3612	26.5100	666	0.3551	26.0600
466	0.3388	24.8600	667	0.3455	25.3600
467	0.3150	23.1200	668	0.3363	24.6800
468	0.2941	21.5800	669	0.3264	23.9500

469	0.2740	20.1100	670	0.3178	23.3200
470	0.2568	18.8500	671	0.3087	22.6500
471	0.2425	17.7900	672	0.3003	22.0300
472	0.2319	17.0100	673	0.2917	21.4000
473	0.2243	16.4600	674	0.2833	20.7900
474	0.2193	16.1000	675	0.2752	20.1900
475	0.2167	15.9100	676	0.2672	19.6100
476	0.2161	15.8600	677	0.2595	19.0400
477	0.2168	15.9100	678	0.2517	18.4700
478	0.2188	16.0500	679	0.2441	17.9200
479	0.2204	16.1800	680	0.2369	17.3800
480	0.2236	16.4100	681	0.2303	16.9000
481	0.2275	16.6900	682	0.2232	16.3800
482	0.2319	17.0100	683	0.2166	15.9000
483	0.2370	17.3900	684	0.2102	15.4300
484	0.2430	17.8300	685	0.2035	14.9300
485	0.2496	18.3200	686	0.1976	14.5000
486	0.2575	18.9000	687	0.1915	14.0600
487	0.2667	19.5700	688	0.1858	13.6400
488	0.2764	20.2800	689	0.1799	13.2000
489	0.2881	21.1400	690	0.1746	12.8200
490	0.2998	22.0000	691	0.1689	12.3900
491	0.3132	22.9900	692	0.1640	12.0300
492	0.3258	23.9100	693	0.1588	11.6600
493	0.3394	24.9100	694	0.1540	11.3000
494	0.3532	25.9200	695	0.1491	10.9400
495	0.3673	26.9500	696	0.1443	10.5900
496	0.3813	27.9900	697	0.1397	10.2500
497	0.3946	28.9600	698	0.1355	9.9420
498	0.4085	29.9800	699	0.1311	9.6170
499	0.4213	30.9200	700	0.1268	9.3040
500	0.4332	31.7900	701	0.1228	9.0140
501	0.4457	32.7100	702	0.1192	8.7440
502	0.4580	33.6100	703	0.1149	8.4340
503	0.4691	34.4200	704	0.1113	8.1660
504	0.4802	35.2400	705	0.1079	7.9160
505	0.4908	36.0200	706	0.1042	7.6460
506	0.5012	36.7800	707	0.1008	7.3970
507	0.5098	37.4100	708	0.0974	7.1460
508	0.5194	38.1200	709	0.0942	6.9160
509	0.5285	38.7800	710	0.0911	6.6820
510	0.5367	39.3800	711	0.0881	6.4630
511	0.5445	39.9600	712	0.0850	6.2340
512	0.5528	40.5700	713	0.0823	6.0420
513	0.5586	40.9900	714	0.0796	5.8440
514	0.5655	41.5000	715	0.0770	5.6480

515	0.5727	42.0300	716	0.0745	5.4640
516	0.5782	42.4300	717	0.0723	5.3040
517	0.5841	42.8700	718	0.0698	5.1220
518	0.5897	43.2800	719	0.0677	4.9680
519	0.5938	43.5800	720	0.0656	4.8130
520	0.5993	43.9800	721	0.0634	4.6530
521	0.6034	44.2800	722	0.0613	4.5020
522	0.6073	44.5700	723	0.0594	4.3600
523	0.6114	44.8700	724	0.0576	4.2240
524	0.6152	45.1500	725	0.0556	4.0830
525	0.6199	45.4900	726	0.0540	3.9650
526	0.6228	45.7000	727	0.0521	3.8230
527	0.6269	46.0000	728	0.0506	3.7140
528	0.6304	46.2600	729	0.0487	3.5760
529	0.6338	46.5100	730	0.0471	3.4570
530	0.6361	46.6800	731	0.0455	3.3420
531	0.6407	47.0200	732	0.0441	3.2370
532	0.6438	47.2400	733	0.0427	3.1320
533	0.6471	47.4900	734	0.0412	3.0260
534	0.6506	47.7400	735	0.0400	2.9370
535	0.6542	48.0100	736	0.0385	2.8280
536	0.6584	48.3100	737	0.0374	2.7460
537	0.6619	48.5700	738	0.0362	2.6590
538	0.6654	48.8300	739	0.0350	2.5660
539	0.6689	49.0800	740	0.0339	2.4900
540	0.6738	49.4500	741	0.0329	2.4140
541	0.6785	49.7900	742	0.0319	2.3390
542	0.6823	50.0700	743	0.0306	2.2470
543	0.6866	50.3800	744	0.0297	2.1800
544	0.6908	50.7000	745	0.0289	2.1200
545	0.6953	51.0300	746	0.0281	2.0600
546	0.7005	51.4000	747	0.0270	1.9830
547	0.7050	51.7400	748	0.0260	1.9050
548	0.7103	52.1300	749	0.0254	1.8660
549	0.7146	52.4400	750	0.0246	1.8070
550	0.7211	52.9200	751	0.0239	1.7530
551	0.7260	53.2800	752	0.0230	1.6900
552	0.7312	53.6600	753	0.0222	1.6330
553	0.7379	54.1500	754	0.0216	1.5880
554	0.7429	54.5200	755	0.0209	1.5310
555	0.7495	55.0000	756	0.0202	1.4850
556	0.7555	55.4400	757	0.0196	1.4410
557	0.7616	55.8900	758	0.0190	1.3950
558	0.7677	56.3400	759	0.0185	1.3550
559	0.7749	56.8600	760	0.0179	1.3130
560	0.7811	57.3200	761	0.0174	1.2740

561	0.7889	57.9000	762	0.0168	1.2310
562	0.7952	58.3600	763	0.0164	1.2010
563	0.8024	58.8800	764	0.0158	1.1570
564	0.8099	59.4400	765	0.0152	1.1160
565	0.8167	59.9300	766	0.0147	1.0770
566	0.8236	60.4400	767	0.0143	1.0480
567	0.8316	61.0300	768	0.0138	1.0100
568	0.8381	61.5100	769	0.0134	0.9835
569	0.8464	62.1100	770	0.0131	0.9608
570	0.8544	62.7000	771	0.0127	0.9295
571	0.8608	63.1700	772	0.0122	0.8984
572	0.8684	63.7300	773	0.0118	0.8671
573	0.8764	64.3100	774	0.0116	0.8482
574	0.8834	64.8300	775	0.0112	0.8190
575	0.8912	65.4000	776	0.0108	0.7925
576	0.8980	65.9000	777	0.0105	0.7682
577	0.9057	66.4600	778	0.0101	0.7430
578	0.9115	66.8900	779	0.0101	0.7438
579	0.9189	67.4300	780	0.0102	0.7452
580	0.9256	67.9200			

Spectral Energy Distribution(4000K)

WL (nm)	Spectrum	Spectrum	WL (nm)	Spectrum	Spectrum
380	0.0077	0.7618	581	0.6995	69.3700
381	0.0073	0.7250	582	0.7024	69.6600
382	0.0062	0.6182	583	0.7047	69.8900
383	0.0049	0.4903	584	0.7075	70.1600
384	0.0050	0.4912	585	0.7099	70.4100
385	0.0046	0.4610	586	0.7124	70.6500
386	0.0045	0.4504	587	0.7130	70.7100
387	0.0044	0.4400	588	0.7151	70.9200
388	0.0039	0.3889	589	0.7175	71.1500
389	0.0034	0.3412	590	0.7181	71.2200
390	0.0034	0.3394	591	0.7199	71.3900
391	0.0033	0.3245	592	0.7203	71.4400
392	0.0034	0.3334	593	0.7198	71.3800
393	0.0032	0.3197	594	0.7208	71.4800
394	0.0029	0.2917	595	0.7209	71.4900
395	0.0028	0.2748	596	0.7207	71.4700
396	0.0030	0.2996	597	0.7197	71.3700
397	0.0031	0.3122	598	0.7187	71.2800
398	0.0031	0.3121	599	0.7176	71.1600
399	0.0034	0.3357	600	0.7157	70.9800
400	0.0033	0.3251	601	0.7143	70.8300
401	0.0038	0.3742	602	0.7120	70.6100
402	0.0038	0.3761	603	0.7095	70.3700
403	0.0039	0.3895	604	0.7069	70.1100
404	0.0042	0.4159	605	0.7029	69.7100
405	0.0049	0.4868	606	0.7004	69.4600
406	0.0052	0.5169	607	0.6966	69.0800
407	0.0059	0.5808	608	0.6923	68.6600
408	0.0066	0.6524	609	0.6882	68.2500
409	0.0076	0.7559	610	0.6840	67.8300
410	0.0082	0.8137	611	0.6798	67.4200
411	0.0099	0.9806	612	0.6751	66.9500
412	0.0113	1.1230	613	0.6692	66.3700
413	0.0131	1.2960	614	0.6643	65.8800
414	0.0149	1.4780	615	0.6584	65.3000
415	0.0175	1.7380	616	0.6524	64.7000
416	0.0201	1.9960	617	0.6462	64.0900
417	0.0232	2.2990	618	0.6399	63.4600
418	0.0269	2.6670	619	0.6334	62.8100
419	0.0305	3.0200	620	0.6262	62.1000
420	0.0348	3.4460	621	0.6193	61.4200
421	0.0397	3.9340	622	0.6120	60.6900
422	0.0450	4.4650	623	0.6046	59.9600

423	0.0516	5.1150	624	0.5964	59.1500
424	0.0592	5.8720	625	0.5890	58.4100
425	0.0677	6.7140	626	0.5815	57.6700
426	0.0773	7.6640	627	0.5728	56.8100
427	0.0881	8.7340	628	0.5646	55.9900
428	0.1007	9.9860	629	0.5559	55.1300
429	0.1146	11.3700	630	0.5476	54.3100
430	0.1295	12.8400	631	0.5389	53.4400
431	0.1467	14.5400	632	0.5302	52.5800
432	0.1655	16.4100	633	0.5214	51.7100
433	0.1865	18.5000	634	0.5119	50.7600
434	0.2096	20.7900	635	0.5035	49.9300
435	0.2369	23.4900	636	0.4942	49.0100
436	0.2671	26.4800	637	0.4853	48.1300
437	0.2999	29.7400	638	0.4758	47.1900
438	0.3408	33.7900	639	0.4669	46.3000
439	0.3877	38.4400	640	0.4578	45.4000
440	0.4419	43.8200	641	0.4481	44.4400
441	0.5046	50.0500	642	0.4393	43.5700
442	0.5763	57.1500	643	0.4303	42.6700
443	0.6533	64.7900	644	0.4207	41.7200
444	0.7342	72.8100	645	0.4117	40.8300
445	0.8152	80.8500	646	0.4031	39.9800
446	0.8875	88.0200	647	0.3941	39.0800
447	0.9474	93.9600	648	0.3854	38.2200
448	0.9864	97.8300	649	0.3763	37.3200
449	0.9994	99.1100	650	0.3681	36.5100
450	0.9870	97.8800	651	0.3597	35.6700
451	0.9481	94.0200	652	0.3506	34.7700
452	0.8895	88.2200	653	0.3427	33.9900
453	0.8216	81.4800	654	0.3340	33.1300
454	0.7479	74.1700	655	0.3265	32.3800
455	0.6765	67.0800	656	0.3177	31.5100
456	0.6147	60.9600	657	0.3098	30.7200
457	0.5648	56.0100	658	0.3022	29.9600
458	0.5257	52.1400	659	0.2942	29.1700
459	0.4954	49.1300	660	0.2867	28.4300
460	0.4738	46.9900	661	0.2794	27.7000
461	0.4543	45.0600	662	0.2720	26.9700
462	0.4385	43.4900	663	0.2651	26.2900
463	0.4223	41.8800	664	0.2578	25.5700
464	0.4049	40.1600	665	0.2506	24.8500
465	0.3848	38.1600	666	0.2438	24.1800
466	0.3618	35.8800	667	0.2374	23.5400
467	0.3391	33.6300	668	0.2304	22.8500
468	0.3149	31.2300	669	0.2242	22.2300

469	0.2916	28.9200	670	0.2180	21.6200
470	0.2706	26.8400	671	0.2119	21.0100
471	0.2524	25.0300	672	0.2060	20.4300
472	0.2371	23.5200	673	0.2000	19.8300
473	0.2259	22.4100	674	0.1941	19.2500
474	0.2166	21.4800	675	0.1887	18.7100
475	0.2119	21.0100	676	0.1834	18.1900
476	0.2087	20.6900	677	0.1777	17.6200
477	0.2079	20.6200	678	0.1727	17.1300
478	0.2083	20.6600	679	0.1674	16.6000
479	0.2092	20.7500	680	0.1625	16.1100
480	0.2112	20.9400	681	0.1580	15.6700
481	0.2138	21.2000	682	0.1531	15.1900
482	0.2170	21.5200	683	0.1485	14.7300
483	0.2201	21.8200	684	0.1439	14.2700
484	0.2245	22.2600	685	0.1397	13.8600
485	0.2295	22.7600	686	0.1355	13.4400
486	0.2348	23.2900	687	0.1316	13.0500
487	0.2418	23.9800	688	0.1274	12.6300
488	0.2490	24.7000	689	0.1238	12.2800
489	0.2576	25.5500	690	0.1199	11.8900
490	0.2671	26.4900	691	0.1163	11.5400
491	0.2776	27.5300	692	0.1125	11.1600
492	0.2879	28.5500	693	0.1089	10.8000
493	0.2996	29.7100	694	0.1057	10.4800
494	0.3113	30.8700	695	0.1023	10.1400
495	0.3229	32.0300	696	0.0992	9.8380
496	0.3343	33.1600	697	0.0958	9.5040
497	0.3461	34.3200	698	0.0928	9.2040
498	0.3572	35.4200	699	0.0899	8.9160
499	0.3687	36.5700	700	0.0871	8.6400
500	0.3792	37.6100	701	0.0842	8.3520
501	0.3893	38.6100	702	0.0814	8.0770
502	0.3998	39.6500	703	0.0788	7.8110
503	0.4088	40.5400	704	0.0765	7.5830
504	0.4181	41.4600	705	0.0740	7.3420
505	0.4268	42.3300	706	0.0715	7.0900
506	0.4353	43.1700	707	0.0693	6.8700
507	0.4429	43.9200	708	0.0669	6.6350
508	0.4504	44.6700	709	0.0649	6.4320
509	0.4579	45.4100	710	0.0626	6.2060
510	0.4646	46.0800	711	0.0605	6.0010
511	0.4708	46.6900	712	0.0583	5.7820
512	0.4778	47.3800	713	0.0566	5.6100
513	0.4833	47.9300	714	0.0548	5.4330
514	0.4884	48.4400	715	0.0529	5.2510

515	0.4937	48.9600	716	0.0513	5.0850
516	0.4977	49.3600	717	0.0496	4.9200
517	0.5025	49.8300	718	0.0481	4.7690
518	0.5063	50.2100	719	0.0466	4.6210
519	0.5100	50.5700	720	0.0451	4.4720
520	0.5142	51.0000	721	0.0436	4.3240
521	0.5165	51.2200	722	0.0423	4.1920
522	0.5198	51.5500	723	0.0410	4.0680
523	0.5232	51.8900	724	0.0396	3.9270
524	0.5256	52.1300	725	0.0383	3.7970
525	0.5284	52.4000	726	0.0370	3.6720
526	0.5308	52.6400	727	0.0360	3.5680
527	0.5338	52.9400	728	0.0348	3.4480
528	0.5353	53.0900	729	0.0335	3.3250
529	0.5375	53.3100	730	0.0325	3.2230
530	0.5394	53.4900	731	0.0314	3.1130
531	0.5419	53.7400	732	0.0305	3.0260
532	0.5438	53.9300	733	0.0294	2.9180
533	0.5463	54.1800	734	0.0285	2.8290
534	0.5485	54.4000	735	0.0275	2.7260
535	0.5507	54.6200	736	0.0266	2.6370
536	0.5533	54.8700	737	0.0257	2.5500
537	0.5550	55.0400	738	0.0250	2.4810
538	0.5579	55.3300	739	0.0241	2.3900
539	0.5596	55.5000	740	0.0235	2.3290
540	0.5630	55.8300	741	0.0227	2.2510
541	0.5654	56.0700	742	0.0220	2.1790
542	0.5678	56.3100	743	0.0213	2.1100
543	0.5698	56.5100	744	0.0206	2.0410
544	0.5728	56.8100	745	0.0199	1.9760
545	0.5760	57.1200	746	0.0193	1.9160
546	0.5786	57.3800	747	0.0187	1.8520
547	0.5821	57.7200	748	0.0181	1.7930
548	0.5843	57.9500	749	0.0175	1.7390
549	0.5868	58.2000	750	0.0170	1.6900
550	0.5904	58.5500	751	0.0165	1.6360
551	0.5934	58.8500	752	0.0159	1.5760
552	0.5963	59.1300	753	0.0155	1.5330
553	0.6003	59.5300	754	0.0148	1.4720
554	0.6035	59.8500	755	0.0144	1.4330
555	0.6068	60.1800	756	0.0141	1.3950
556	0.6099	60.4800	757	0.0135	1.3430
557	0.6137	60.8700	758	0.0132	1.3050
558	0.6174	61.2200	759	0.0127	1.2630
559	0.6211	61.6000	760	0.0124	1.2330
560	0.6239	61.8800	761	0.0120	1.1930

561	0.6287	62.3500	762	0.0116	1.1530
562	0.6315	62.6200	763	0.0113	1.1180
563	0.6359	63.0700	764	0.0109	1.0810
564	0.6398	63.4500	765	0.0105	1.0440
565	0.6432	63.7900	766	0.0102	1.0120
566	0.6472	64.1900	767	0.0099	0.9840
567	0.6515	64.6100	768	0.0096	0.9507
568	0.6543	64.8900	769	0.0093	0.9249
569	0.6586	65.3200	770	0.0090	0.8933
570	0.6627	65.7200	771	0.0088	0.8737
571	0.6659	66.0400	772	0.0085	0.8462
572	0.6697	66.4200	773	0.0083	0.8194
573	0.6730	66.7400	774	0.0080	0.7961
574	0.6769	67.1300	775	0.0078	0.7696
575	0.6805	67.4900	776	0.0075	0.7426
576	0.6841	67.8500	777	0.0073	0.7207
577	0.6870	68.1300	778	0.0070	0.6973
578	0.6901	68.4300	779	0.0070	0.6983
579	0.6935	68.7700	780	0.0071	0.6996
580	0.6960	69.0300			

Spectral Energy Distribution(5000K)

WL (nm)	Spectrum	Spectrum	WL (nm)	Spectrum	Spectrum
380	0.0078	0.8634	581	0.5682	63.2600
381	0.0067	0.7411	582	0.5687	63.3200
382	0.0054	0.6008	583	0.5687	63.3200
383	0.0054	0.6058	584	0.5689	63.3400
384	0.0051	0.5680	585	0.5686	63.3000
385	0.0046	0.5155	586	0.5692	63.3800
386	0.0054	0.6016	587	0.5673	63.1600
387	0.0042	0.4644	588	0.5671	63.1400
388	0.0040	0.4483	589	0.5672	63.1500
389	0.0042	0.4687	590	0.5655	62.9700
390	0.0033	0.3693	591	0.5646	62.8600
391	0.0036	0.3955	592	0.5637	62.7600
392	0.0036	0.3992	593	0.5619	62.5700
393	0.0037	0.4164	594	0.5604	62.4000
394	0.0033	0.3670	595	0.5592	62.2600
395	0.0030	0.3352	596	0.5568	62.0000
396	0.0032	0.3603	597	0.5545	61.7400
397	0.0035	0.3859	598	0.5518	61.4300
398	0.0035	0.3926	599	0.5496	61.2000
399	0.0037	0.4142	600	0.5469	60.8900
400	0.0040	0.4402	601	0.5439	60.5600
401	0.0041	0.4606	602	0.5410	60.2400
402	0.0044	0.4943	603	0.5374	59.8400
403	0.0046	0.5075	604	0.5339	59.4400
404	0.0051	0.5641	605	0.5300	59.0100
405	0.0056	0.6279	606	0.5269	58.6600
406	0.0063	0.7000	607	0.5227	58.2000
407	0.0072	0.7972	608	0.5184	57.7200
408	0.0082	0.9151	609	0.5143	57.2600
409	0.0093	1.0320	610	0.5100	56.7800
410	0.0103	1.1520	611	0.5055	56.2800
411	0.0122	1.3590	612	0.5004	55.7200
412	0.0137	1.5200	613	0.4956	55.1800
413	0.0161	1.7920	614	0.4907	54.6400
414	0.0185	2.0550	615	0.4861	54.1200
415	0.0217	2.4190	616	0.4807	53.5200
416	0.0249	2.7730	617	0.4753	52.9200
417	0.0289	3.2180	618	0.4696	52.2800
418	0.0331	3.6900	619	0.4639	51.6500
419	0.0379	4.2160	620	0.4584	51.0400
420	0.0436	4.8490	621	0.4525	50.3800
421	0.0497	5.5290	622	0.4466	49.7200
422	0.0566	6.3070	623	0.4405	49.0500

423	0.0644	7.1750	624	0.4337	48.2900
424	0.0742	8.2610	625	0.4280	47.6500
425	0.0845	9.4120	626	0.4216	46.9500
426	0.0959	10.6800	627	0.4153	46.2400
427	0.1095	12.1900	628	0.4087	45.5000
428	0.1244	13.8500	629	0.4019	44.7500
429	0.1413	15.7300	630	0.3956	44.0400
430	0.1590	17.7100	631	0.3889	43.3000
431	0.1792	19.9500	632	0.3822	42.5600
432	0.2024	22.5300	633	0.3754	41.7900
433	0.2257	25.1300	634	0.3683	41.0000
434	0.2529	28.1600	635	0.3621	40.3200
435	0.2844	31.6700	636	0.3553	39.5600
436	0.3196	35.5800	637	0.3484	38.7900
437	0.3573	39.7800	638	0.3413	38.0100
438	0.4030	44.8800	639	0.3348	37.2700
439	0.4539	50.5300	640	0.3277	36.4900
440	0.5128	57.0900	641	0.3210	35.7400
441	0.5760	64.1300	642	0.3143	35.0000
442	0.6479	72.1400	643	0.3077	34.2600
443	0.7216	80.3400	644	0.3011	33.5200
444	0.7966	88.6900	645	0.2942	32.7600
445	0.8659	96.4100	646	0.2878	32.0400
446	0.9256	103.1000	647	0.2814	31.3300
447	0.9733	108.4000	648	0.2750	30.6200
448	0.9963	110.9000	649	0.2686	29.9100
449	0.9992	111.3000	650	0.2624	29.2100
450	0.9808	109.2000	651	0.2562	28.5300
451	0.9372	104.3000	652	0.2499	27.8200
452	0.8807	98.0500	653	0.2440	27.1700
453	0.8140	90.6300	654	0.2380	26.5000
454	0.7459	83.0500	655	0.2326	25.8900
455	0.6793	75.6300	656	0.2265	25.2200
456	0.6192	68.9400	657	0.2208	24.5900
457	0.5701	63.4800	658	0.2152	23.9600
458	0.5306	59.0800	659	0.2095	23.3200
459	0.4972	55.3600	660	0.2042	22.7300
460	0.4724	52.6000	661	0.1990	22.1600
461	0.4506	50.1600	662	0.1933	21.5200
462	0.4310	47.9900	663	0.1886	21.0000
463	0.4114	45.8100	664	0.1834	20.4100
464	0.3926	43.7100	665	0.1785	19.8800
465	0.3719	41.4100	666	0.1735	19.3200
466	0.3490	38.8600	667	0.1689	18.8100
467	0.3269	36.4000	668	0.1642	18.2900
468	0.3040	33.8500	669	0.1595	17.7600

469	0.2825	31.4500	670	0.1553	17.2900
470	0.2631	29.2900	671	0.1509	16.8100
471	0.2456	27.3400	672	0.1467	16.3300
472	0.2315	25.7800	673	0.1423	15.8500
473	0.2201	24.5000	674	0.1384	15.4100
474	0.2116	23.5500	675	0.1345	14.9700
475	0.2053	22.8500	676	0.1307	14.5500
476	0.2014	22.4300	677	0.1269	14.1300
477	0.1996	22.2200	678	0.1233	13.7300
478	0.1993	22.1900	679	0.1197	13.3300
479	0.1996	22.2300	680	0.1160	12.9200
480	0.2008	22.3600	681	0.1128	12.5600
481	0.2025	22.5400	682	0.1093	12.1700
482	0.2056	22.8900	683	0.1061	11.8100
483	0.2086	23.2200	684	0.1029	11.4600
484	0.2122	23.6300	685	0.0999	11.1300
485	0.2173	24.1900	686	0.0968	10.7800
486	0.2225	24.7700	687	0.0940	10.4700
487	0.2289	25.4800	688	0.0912	10.1600
488	0.2356	26.2300	689	0.0885	9.8530
489	0.2436	27.1200	690	0.0856	9.5330
490	0.2526	28.1300	691	0.0832	9.2630
491	0.2619	29.1600	692	0.0805	8.9640
492	0.2714	30.2200	693	0.0782	8.7020
493	0.2823	31.4300	694	0.0758	8.4410
494	0.2928	32.6000	695	0.0734	8.1700
495	0.3038	33.8300	696	0.0712	7.9300
496	0.3141	34.9800	697	0.0689	7.6680
497	0.3250	36.1900	698	0.0667	7.4310
498	0.3353	37.3300	699	0.0647	7.2020
499	0.3456	38.4800	700	0.0626	6.9700
500	0.3559	39.6200	701	0.0605	6.7370
501	0.3650	40.6400	702	0.0587	6.5370
502	0.3745	41.6900	703	0.0568	6.3250
503	0.3827	42.6100	704	0.0552	6.1420
504	0.3912	43.5500	705	0.0532	5.9250
505	0.3993	44.4600	706	0.0516	5.7430
506	0.4070	45.3200	707	0.0499	5.5580
507	0.4141	46.1100	708	0.0484	5.3840
508	0.4213	46.9100	709	0.0467	5.2020
509	0.4282	47.6800	710	0.0452	5.0300
510	0.4339	48.3100	711	0.0438	4.8750
511	0.4394	48.9300	712	0.0424	4.7180
512	0.4454	49.5900	713	0.0409	4.5540
513	0.4503	50.1400	714	0.0397	4.4170
514	0.4553	50.6900	715	0.0383	4.2610

515	0.4597	51.1800	716	0.0372	4.1440
516	0.4631	51.5600	717	0.0360	4.0080
517	0.4676	52.0700	718	0.0349	3.8850
518	0.4711	52.4500	719	0.0338	3.7600
519	0.4739	52.7600	720	0.0328	3.6490
520	0.4770	53.1100	721	0.0317	3.5310
521	0.4795	53.3800	722	0.0306	3.4030
522	0.4819	53.6600	723	0.0297	3.3070
523	0.4844	53.9300	724	0.0287	3.2010
524	0.4864	54.1500	725	0.0278	3.0910
525	0.4888	54.4200	726	0.0269	2.9960
526	0.4907	54.6300	727	0.0261	2.9060
527	0.4924	54.8300	728	0.0254	2.8240
528	0.4940	55.0000	729	0.0245	2.7230
529	0.4961	55.2400	730	0.0237	2.6430
530	0.4971	55.3500	731	0.0230	2.5550
531	0.4992	55.5800	732	0.0221	2.4660
532	0.5003	55.7000	733	0.0214	2.3850
533	0.5016	55.8500	734	0.0208	2.3140
534	0.5030	56.0100	735	0.0202	2.2470
535	0.5046	56.1800	736	0.0195	2.1680
536	0.5064	56.3800	737	0.0189	2.1070
537	0.5074	56.4900	738	0.0183	2.0410
538	0.5091	56.6800	739	0.0178	1.9830
539	0.5099	56.7700	740	0.0172	1.9160
540	0.5123	57.0400	741	0.0166	1.8520
541	0.5138	57.2000	742	0.0161	1.7890
542	0.5151	57.3500	743	0.0156	1.7370
543	0.5167	57.5300	744	0.0151	1.6810
544	0.5181	57.6900	745	0.0147	1.6350
545	0.5200	57.8900	746	0.0143	1.5950
546	0.5222	58.1400	747	0.0138	1.5320
547	0.5234	58.2700	748	0.0133	1.4790
548	0.5246	58.4000	749	0.0129	1.4410
549	0.5262	58.5900	750	0.0125	1.3890
550	0.5281	58.8000	751	0.0121	1.3470
551	0.5297	58.9800	752	0.0117	1.3070
552	0.5308	59.1000	753	0.0114	1.2720
553	0.5333	59.3800	754	0.0110	1.2280
554	0.5350	59.5600	755	0.0107	1.1880
555	0.5363	59.7100	756	0.0104	1.1550
556	0.5382	59.9200	757	0.0101	1.1240
557	0.5402	60.1400	758	0.0098	1.0950
558	0.5414	60.2800	759	0.0094	1.0480
559	0.5432	60.4800	760	0.0092	1.0240
560	0.5446	60.6300	761	0.0089	0.9940

561	0.5467	60.8700	762	0.0086	0.9544
562	0.5480	61.0200	763	0.0084	0.9352
563	0.5497	61.2000	764	0.0081	0.9030
564	0.5515	61.4000	765	0.0078	0.8734
565	0.5527	61.5300	766	0.0076	0.8473
566	0.5541	61.7000	767	0.0074	0.8279
567	0.5561	61.9200	768	0.0072	0.7962
568	0.5577	62.0900	769	0.0070	0.7740
569	0.5584	62.1700	770	0.0067	0.7471
570	0.5601	62.3600	771	0.0065	0.7285
571	0.5612	62.4800	772	0.0063	0.7048
572	0.5624	62.6100	773	0.0062	0.6849
573	0.5632	62.7100	774	0.0060	0.6663
574	0.5645	62.8500	775	0.0058	0.6496
575	0.5653	62.9400	776	0.0056	0.6203
576	0.5660	63.0200	777	0.0055	0.6086
577	0.5667	63.0900	778	0.0052	0.5836
578	0.5673	63.1700	779	0.0052	0.5842
579	0.5679	63.2300	780	0.0053	0.5853
580	0.5681	63.2500			

IES-TM-30-18 Report

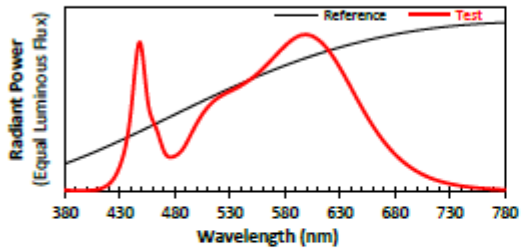
ANSI/IES TM-30-18 Color Rendition Report

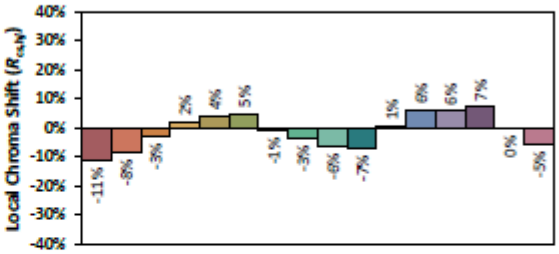
Source: LED Luminaires

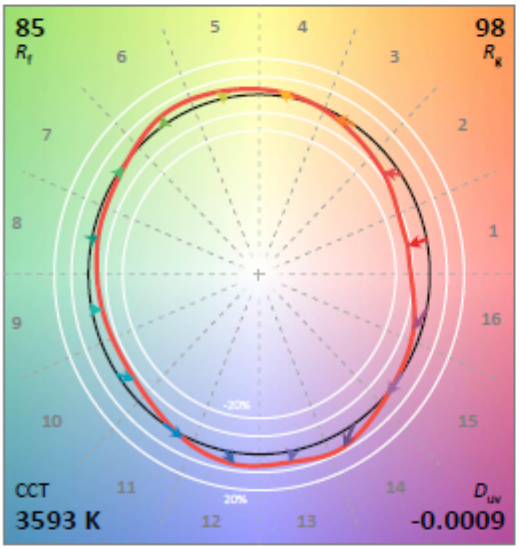
Manufacturer: LED One Corporation

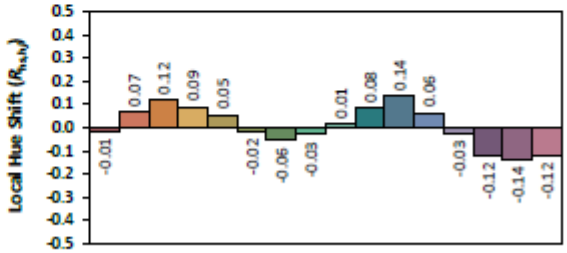
Date:

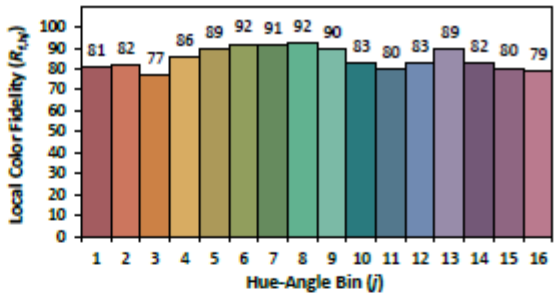
Model: LOC-22AJPL-MW(20/25/30)MCCT(35/40/50)D

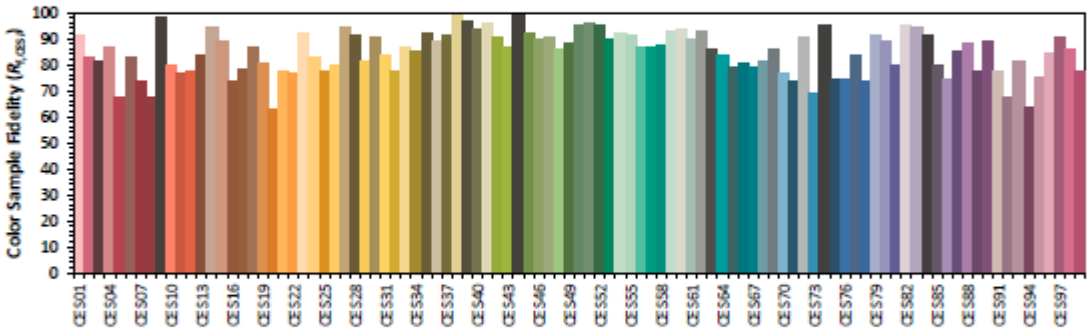












Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

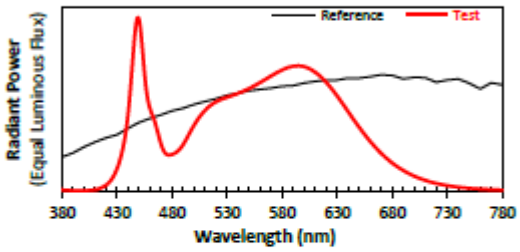
x	0.3994
y	0.3858
u'	0.2339
v'	0.5083

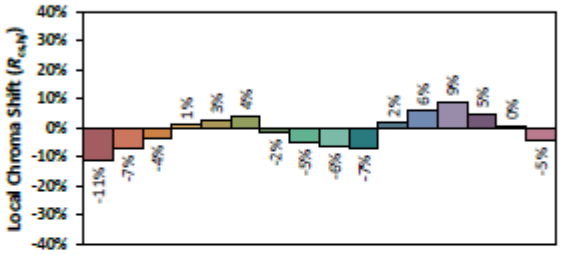
CIE 13.3-1995 (CRI)

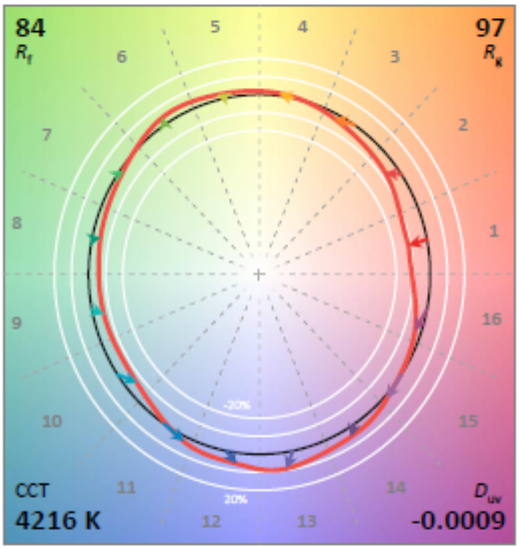
R_a	84
R_9	10

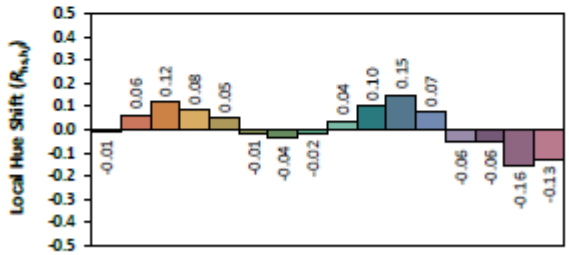
ANSI/IES TM-30-18 Color Rendition Report

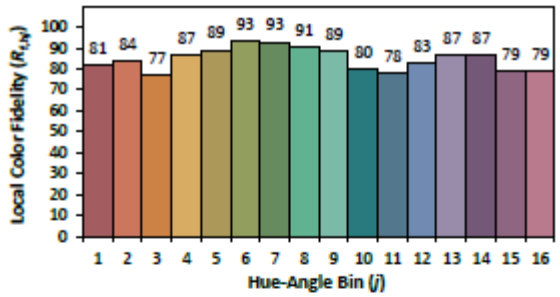
Source:	LED Luminaires	**Manufacturer:**	LED One Corporation
Date:		**Model:**	LOC-22AJPL-MW(20/25/30)MCCT(35/40/50)D

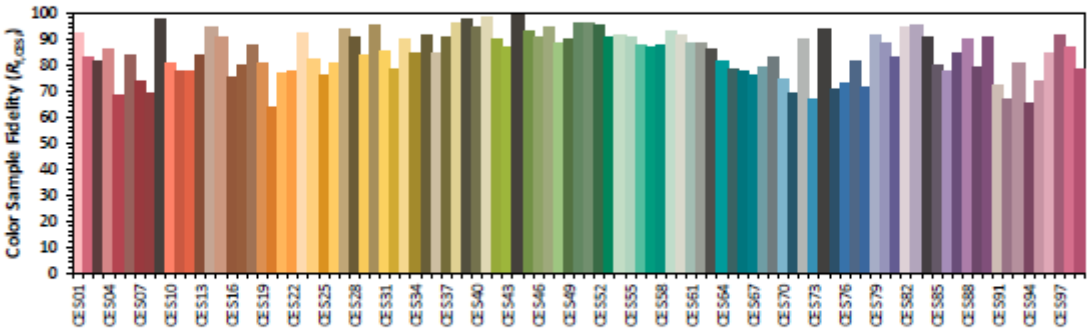












Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x	0.3709
y	0.3688
u'	0.2220
v'	0.4966

CIE 13.3-1995 (CRI)

R_a	84
R_9	14

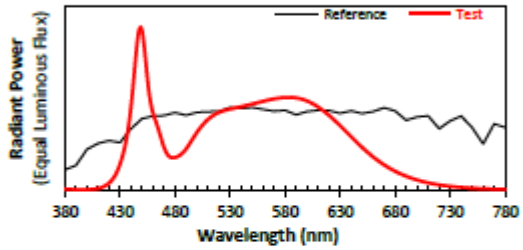
ANSI/IES TM-30-18 Color Rendition Report

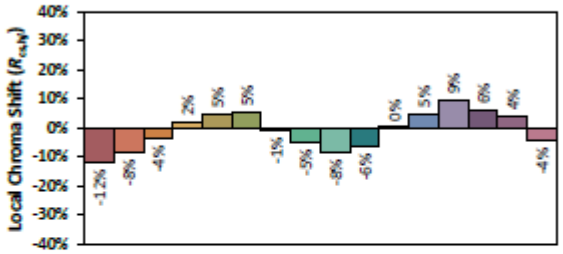
Source: LED Luminaires

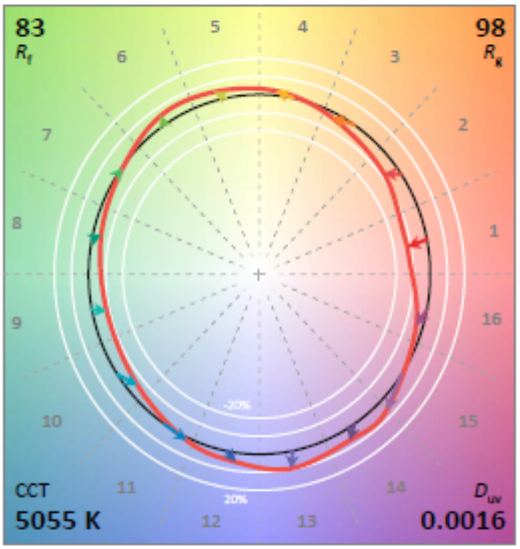
Manufacturer: LED One Corporation

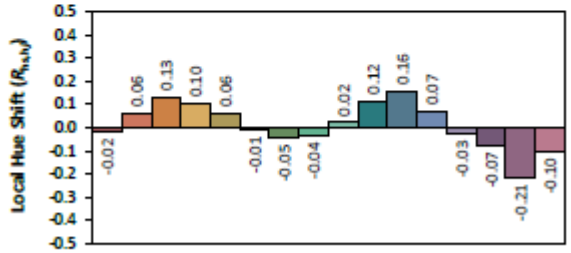
Date:

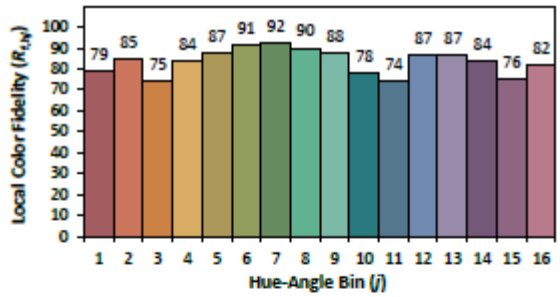
Model: LOC-22AJPL-MW(20/25/30)MCCT(35/40/50)D

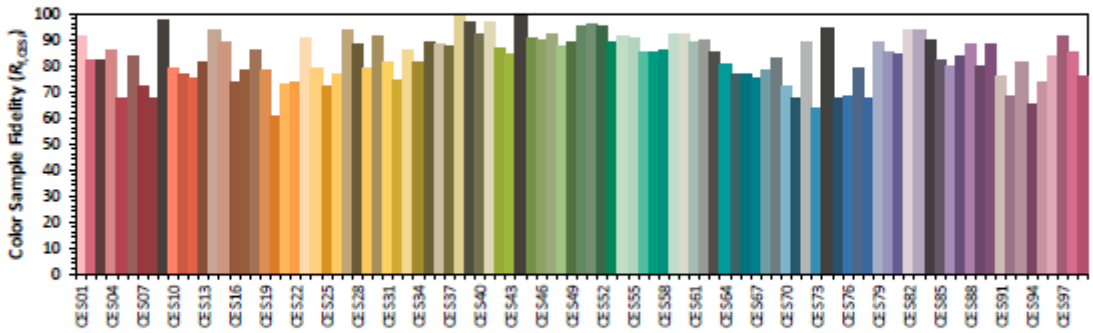












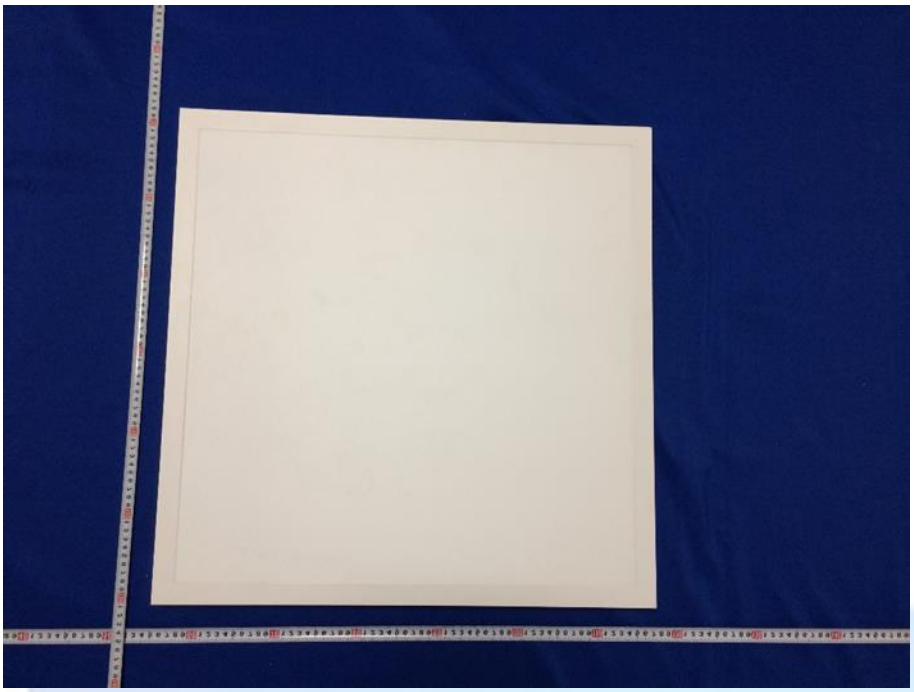
Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x	0.3438
y	0.3537
u'	0.2098
v'	0.4855

CIE 13.3-1995 (CRI)

R_a	83
R_9	7

EUT Photo



Equipment list			
B187	Aux Lamp DC Source	N/A	N/A
B073	Standard Light Source	2019/8/26	Every 50 hours life
B186	Digital CC&CV DC Power Supply	2022/7/15	2023/7/14
B059	Second Meter	2022/7/18	2023/7/17
B178	Spectroradio Meter	Calibrated before measurement	N/A
B174	Integral Sphere	Calibrated before measurement	N/A
B188	AC Source	Calibrated before measurement	N/A
B087	Digital Power Meter	2022/7/15	2023/7/14
B161	Temperature Meter	2022/7/15	2023/7/14
B184	Aux Lamp DC Source	N/A	N/A
B045	Temperature Meter	2022/7/15	2023/7/14
B015	AC Power Source	Calibrated before measurement	N/A
B133	Goniophotometer	Calibrated before measurement	N/A
B181	Spectroradio Meter	Calibrated before measurement	N/A
B084	Digital Power Meter	2022/7/15	2023/7/14
B232	Standard Light Source	2017/4/13	Every 50hours life
B144	Digital CC&CV DC Power Supply	2022/7/15	2023/7/14
B250	Air Flow Meter	2022/7/23	2023/7/22

Uncertainty of Measure item		
NO.	Measure item	Uncertainty
1	Temperature	±0.4℃
2	AC Voltage	±0.1%
3	AC Current	±0.14%
4	Power≥1W	±0.17%
5	Power < 1W	±0.02W
6	luminous flux(φ)	±1.6%
7	CCT	±15K
8	CRI(Ra)	±0.2
9	Beam Angle	±1°
10	DC Voltage	±0.07%
11	DC Current	±0.03%
12	Starting Time	±0.005ms
13	Life Time	±0.2h

Annex

Please see the next page for the luminious intensity test data

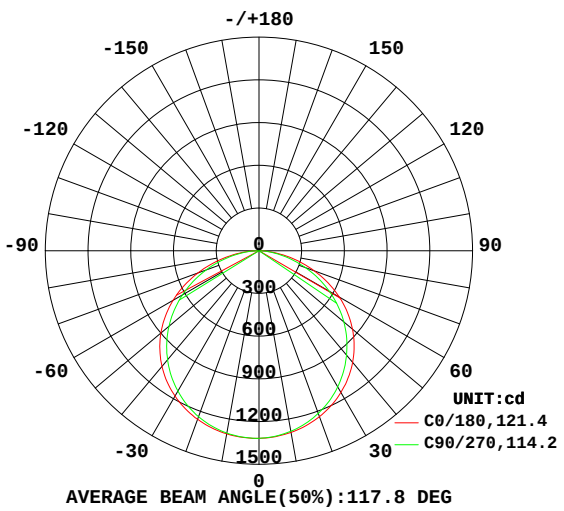
----------END----------

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.03V I:0.3104A P:35.021W PF:0.9399 Freq:60.00Hz Lamp Flux:3991.6x1 lm		
NAME: LED Luminaires	TYPE: LOC-22AJPL-MW(20/25/30)MCCT(35/40/50)D	WEIGHT: 14.7/15.0 Kg
SPEC.: 35W 3850 lm	DIM.: L=0.605,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 0.5*0.5	Shielding Angle: N/A

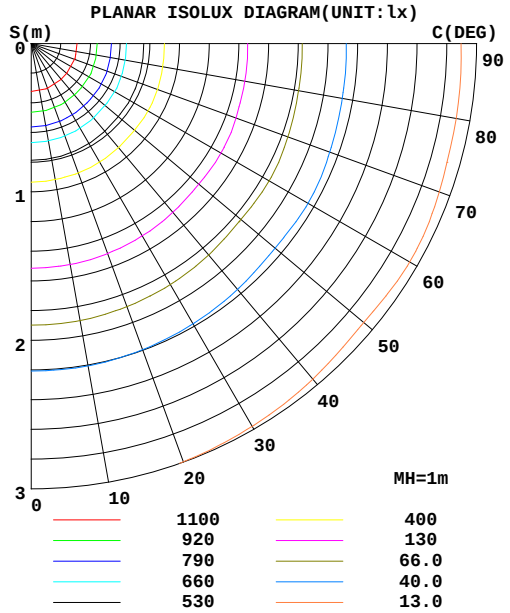
DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.98 lm/W			
MODEL	LOC-22AJPL-MW(20/25/30)MCCT(35/40/50)D	Imax(cd)	1318	S/MH(C0/180)	1.30
NOMINAL POWER(W)	35.0	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3991.6	η UP,DN(C0-180)	0.0,51.0
NOMINAL FLUX(lm)	3991.6	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,48.9
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):117.8 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Jonathan
Test Date:2023-01-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:56.5%
Test Distance:2.554m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1306	1303	1300	1299	1295	1292	1288	1296	0- 10	124.8	124.8	3.13,3.13
20	1260	1250	1241	1242	1240	1229	1216	1238	10- 20	359.6	484.4	12.1,12.1
30	1179	1157	1139	1147	1150	1128	1105	1140	20- 30	551.5	1036	26,26
40	1060	1025	999.3	1014	1023	990.5	956.9	1005	30- 40	676.3	1712	42.9,42.9
50	899.3	856.3	825.1	844.5	857.1	817.7	777.7	833.3	40- 50	716.1	2428	60.8,60.8
60	697.1	650.8	621.0	640.4	652.1	612.6	571.1	626.9	50- 60	661.3	3090	77.4,77.4
70	457.5	416.2	395.2	409.6	414.2	382.8	347.4	394.5	60- 70	514.2	3604	90.3,90.3
80	207.3	181.0	171.8	177.9	173.2	157.6	134.8	164.2	70- 80	300.1	3904	97.8,97.8
90	7.097	11.70	8.974	11.12	0.0964	0.0971	0.0945	0.0963	80- 90	84.88	3989	99.9,99.9
100	0.2031	0.2080	0.1949	0.2099	0.1675	0.1714	0.1620	0.1590	90-100	0.7321	3989	99.9,99.9
110	0.2965	0.3263	0.3156	0.3320	0.2305	0.2457	0.2386	0.2239	100-110	0.2438	3990	100,100
120	0.3241	0.3580	0.3682	0.3666	0.3413	0.3194	0.3095	0.3035	110-120	0.3028	3990	100,100
130	0.3981	0.4402	0.4483	0.4468	0.4648	0.4134	0.3831	0.3974	120-130	0.3390	3990	100,100
140	0.4812	0.5854	0.5888	0.5703	0.5317	0.5085	0.4543	0.4863	130-140	0.3701	3991	100,100
150	0.6067	0.7248	0.7574	0.6836	0.5142	0.4995	0.4952	0.4793	140-150	0.3531	3991	100,100
160	0.7153	0.8188	0.7944	0.8061	0.5333	0.5093	0.4441	0.4980	150-160	0.2842	3991	100,100
170	0.7475	0.7873	0.7825	0.8432	0.6409	0.5920	0.5241	0.5540	160-170	0.1890	3992	100,100
180	0.6953	0.6504	0.6767	0.6890	0.6994	0.6702	0.6749	0.6923	170-180	0.0666	3992	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2071 lm

%lum = 51.9%
%lamp = 51.9%

Conical surface Flux(120deg): 3089.5 lm

%lum = 77.4%
%lamp = 77.4%

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Jonathan
Test Date:2023-01-28

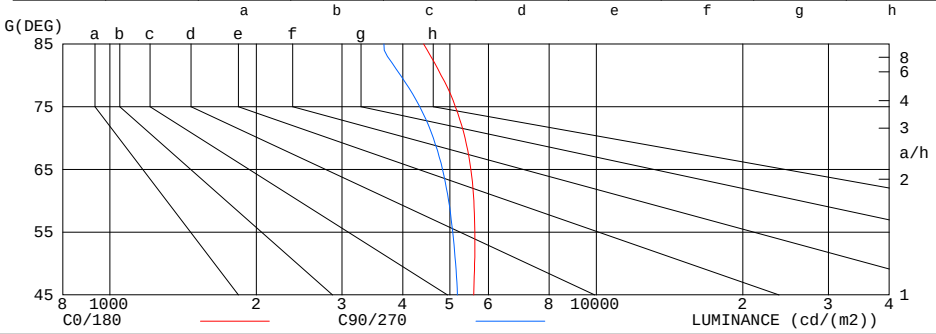
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:56.5%
Test Distance:2.554m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.03V I:0.3104A P:35.021W PF:0.9399 Freq:60.00Hz Lamp Flux:3991.6x1 lm		
NAME: LED Luminaires	TYPE: LOC-22AJPL-MW(20/25/30)	WEIGHT:35/40/50 Kg
SPEC.: 35W 3850 lm	DIM.: L=0.605,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 0.5*0.5	Shielding Angle: N/A

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4415	3660
80	4796	3958
75	5132	4337
70	5373	4623
65	5521	4828
60	5601	4970
55	5627	5068
50	5620	5136
45	5595	5182

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Jonathan
Test Date:2023-01-28

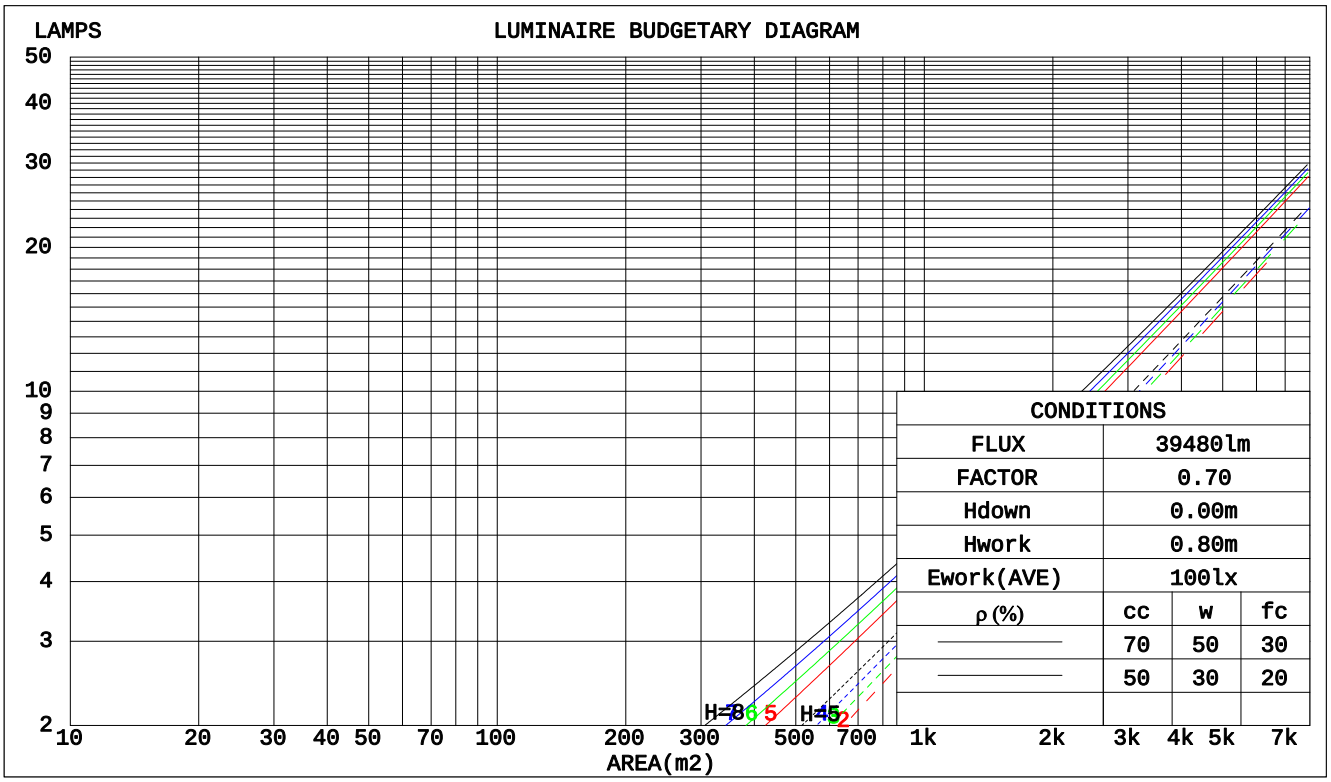
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:56.5%
Test Distance:2.554m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.03V I:0.3104A P:35.021W PF:0.9399 Freq:60.00Hz
Lamp Flux:3991.6x1 lm

NAME: LED Luminaires	TYPE: LOC-22AJPL-MW(20/25/30)[illegible]	WEIGHT:3.5/4.0/3.0 Kg
SPEC.: 35W 3850 lm	DIM.: L=0.605,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 0.5*0.5	Shielding Angle: N/A

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.03	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.69
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.61	.69	.64	.60	.57
4.0	.69	.60	.54	.68	.60	.53	.66	.58	.52	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.46	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.39	.37
7.0	.50	.41	.35	.49	.41	.35	.48	.40	.35	.46	.40	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26
10.0	.39	.31	.25	.38	.31	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Jonathan
Test Date:2023-01-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:56.5%
Test Distance:2.554m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.03V I:0.3104A P:35.021W PF:0.9399 Freq:60.00Hz Lamp Flux:3991.6x1 lm		
NAME: LED Luminaires	TYPE: LOC-22AJPL-MW(20/25/30)MCCT(35/40/50)	WEIGHT: 7.50 kg
SPEC.: 35W 3850 lm	DIM.: L=0.605,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 0.5*0.5	Shielding Angle: N/A

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.317	.181	.057	.310	.177	.056	.297	.170	.054	.285	.164	.053	.273	.158	.051	
2.0	.298	.163	.050	.291	.161	.049	.280	.156	.048	.269	.151	.047	.259	.146	.046	
3.0	.275	.146	.044	.269	.144	.043	.259	.140	.043	.249	.137	.042	.240	.133	.041	
4.0	.253	.132	.039	.248	.130	.038	.239	.127	.038	.230	.124	.037	.222	.121	.037	
5.0	.234	.119	.034	.229	.118	.034	.221	.115	.034	.213	.113	.033	.206	.110	.033	
6.0	.216	.108	.031	.213	.107	.031	.205	.105	.031	.198	.103	.030	.192	.101	.030	
7.0	.201	.099	.028	.198	.099	.028	.191	.097	.028	.185	.095	.028	.179	.093	.027	
8.0	.188	.092	.026	.185	.091	.026	.179	.089	.026	.173	.088	.025	.168	.086	.025	
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.024	.163	.082	.023	.158	.080	.023	
10.0	.165	.079	.022	.163	.079	.022	.158	.077	.022	.153	.076	.022	.149	.075	.022	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.181	.157	.134	.155	.134	.116	.106	.092	.080	.061	.054	.046	.020	.017	.015	
2.0	.174	.132	.098	.149	.114	.085	.102	.079	.059	.059	.046	.035	.019	.015	.011	
3.0	.166	.115	.074	.142	.099	.064	.098	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.158	.102	.058	.136	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.151	.091	.047	.130	.079	.041	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.144	.083	.039	.124	.072	.034	.085	.050	.024	.049	.030	.014	.016	.010	.005	
7.0	.137	.076	.033	.118	.066	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.029	.112	.061	.025	.078	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.065	.026	.107	.057	.022	.074	.040	.016	.043	.024	.009	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Jonathan
Test Date:2023-01-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:56.5%
Test Distance:2.554m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.03V I:0.3104A P:35.021W PF:0.9399 Freq:60.00Hz Lamp Flux:3991.6x1 lm		
NAME: LED Luminaires	TYPE: LOC-22AJPL-MW(20/25/30)[illegible]	WEIGHT:[illegible]kg
SPEC.: 35W 3850 lm	DIM.: L=0.605,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 0.5*0.5	Shielding Angle: N/A

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	19.2	20.7	19.4	20.9	21.1	18.7	20.2	18.9	20.4	20.6
3H	20.9	22.3	21.2	22.5	22.8	20.2	21.7	20.5	21.9	22.2
4H	21.6	22.9	21.9	23.2	23.5	20.9	22.2	21.2	22.5	22.8
6H	22.1	23.4	22.5	23.7	24.0	21.3	22.6	21.7	22.9	23.2
8H	22.3	23.5	22.6	23.8	24.1	21.5	22.7	21.8	23.0	23.3
12H	22.4	23.6	22.8	23.9	24.2	21.6	22.8	21.9	23.1	23.4
4H 2H	19.7	21.1	20.0	21.3	21.6	19.4	20.7	19.7	21.0	21.2
3H	21.6	22.8	22.0	23.1	23.4	21.1	22.3	21.5	22.6	22.9
4H	22.5	23.6	22.9	23.9	24.2	21.9	23.0	22.3	23.3	23.6
6H	23.2	24.1	23.6	24.5	24.8	22.5	23.5	22.9	23.8	24.2
8H	23.4	24.3	23.8	24.7	25.1	22.7	23.6	23.1	24.0	24.4
12H	23.6	24.4	24.0	24.8	25.2	22.8	23.7	23.3	24.1	24.5
8H 4H	22.7	23.6	23.1	24.0	24.4	22.2	23.1	22.6	23.5	23.9
6H	23.6	24.3	24.0	24.7	25.2	23.0	23.7	23.4	24.1	24.6
8H	23.9	24.6	24.4	25.0	25.5	23.3	23.9	23.7	24.4	24.8
12H	24.2	24.8	24.7	25.2	25.7	23.5	24.1	24.0	24.5	25.0
12H 4H	22.7	23.6	23.2	24.0	24.4	22.2	23.1	22.7	23.5	23.9
6H	23.6	24.3	24.1	24.7	25.2	23.1	23.7	23.5	24.1	24.6
8H	24.0	24.6	24.5	25.0	25.5	23.4	24.0	23.9	24.4	24.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.4				

CIE Pub.117, 3992 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.8)
Area: 0.25 m2

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Jonathan
Test Date:2023-01-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:56.5%
Test Distance:2.554m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.03V I:0.3104A P:35.021W PF:0.9399 Freq:60.00Hz Lamp Flux:3991.6x1 lm		
NAME: LED Luminaires	TYPE: LOC-22AJPL-MW(20/25/30)MCOGH(35/40/50)	WEIGHT: 14.7/35.0 kg
SPEC.: 35W 3850 lm	DIM.: L=0.605,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 0.5*0.5	Shielding Angle: N/A

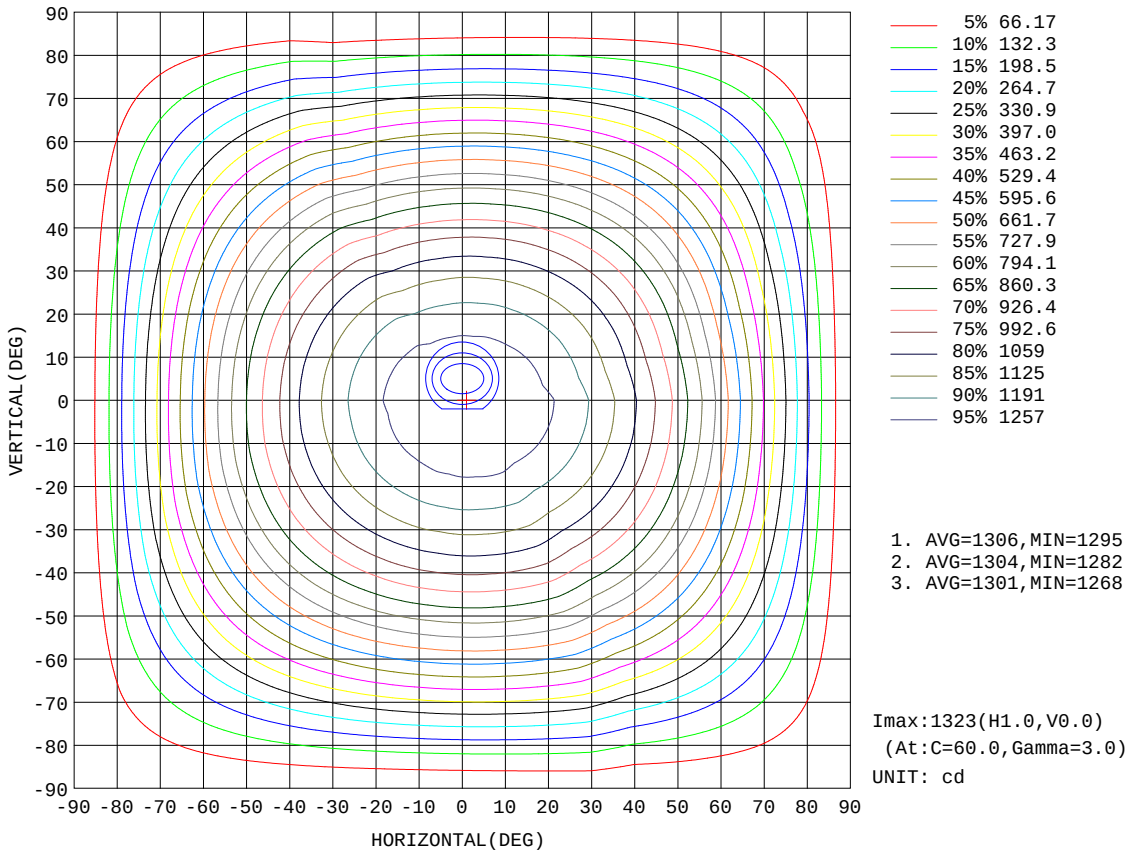
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	44	38	55	44	37	31
0.80	67	55	47	66	54	47	64	53	47	40
1.00	75	64	56	74	63	56	72	65	55	48
1.25	82	71	64	81	71	64	78	69	63	55
1.50	87	77	70	86	76	69	83	74	68	61
2.00	94	86	79	92	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	100	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Jonathan
Test Date:2023-01-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:56.5%
Test Distance:2.554m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.03V I:0.3104A P:35.021W PF:0.9399 Freq:60.00Hz Lamp Flux:3991.6x1 lm		
NAME: LED Luminaires	TYPE: LOC-22AJPL-MW(20/25/30)[illegible]	WEIGHT:[illegible]kg
SPEC.: 35W 3850 lm	DIM.: L=0.605,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 0.5*0.5	Shielding Angle: N/A



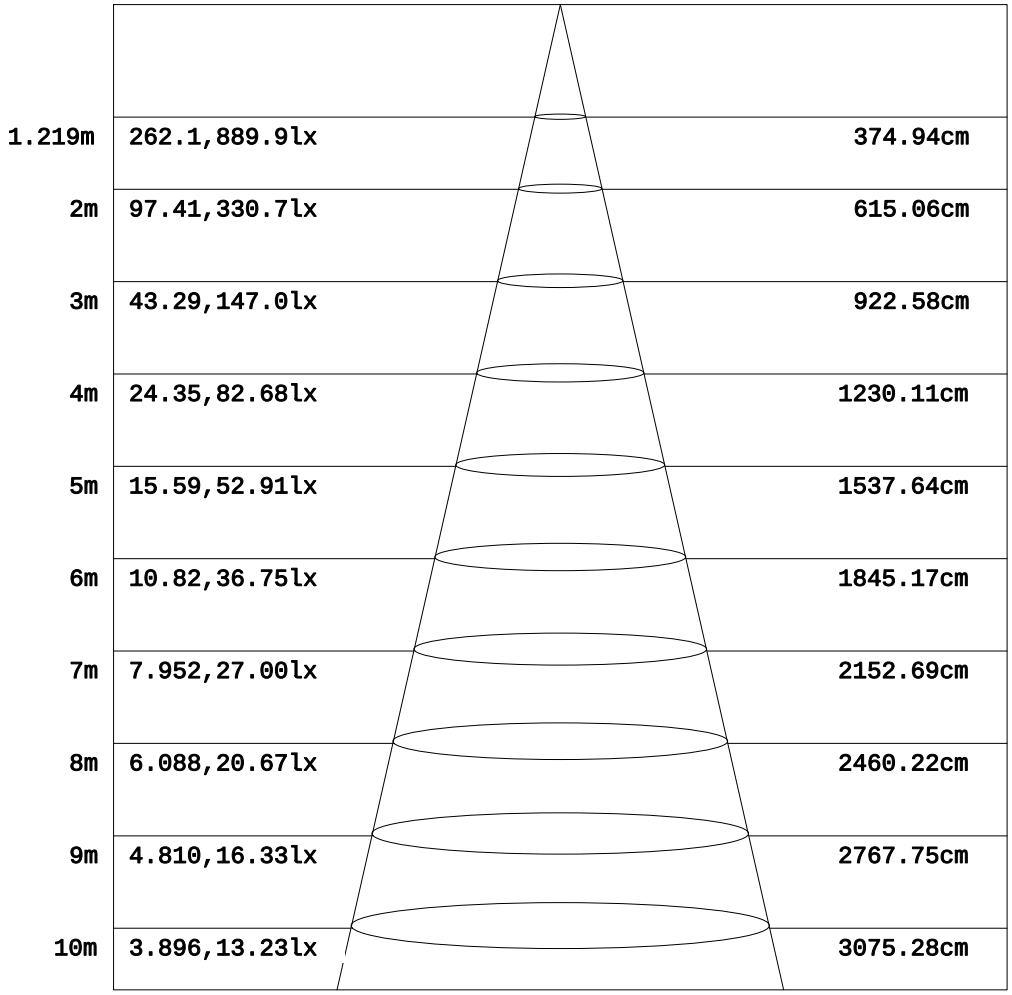
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Jonathan
Test Date:2023-01-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:56.5%
Test Distance:2.554m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.03V I:0.3104A P:35.021W PF:0.9399 Freq:60.00Hz Lamp Flux:3991.6x1 lm		
NAME: LED Luminaires	TYPE: LOC-22AJPL-MW(20/25/30)[illegible]	WEIGHT:[illegible]kg
SPEC.: 35W 3850 lm	DIM.: L=0.605,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 0.5*0.5	Shielding Angle: N/A

Flux out:2903 lm



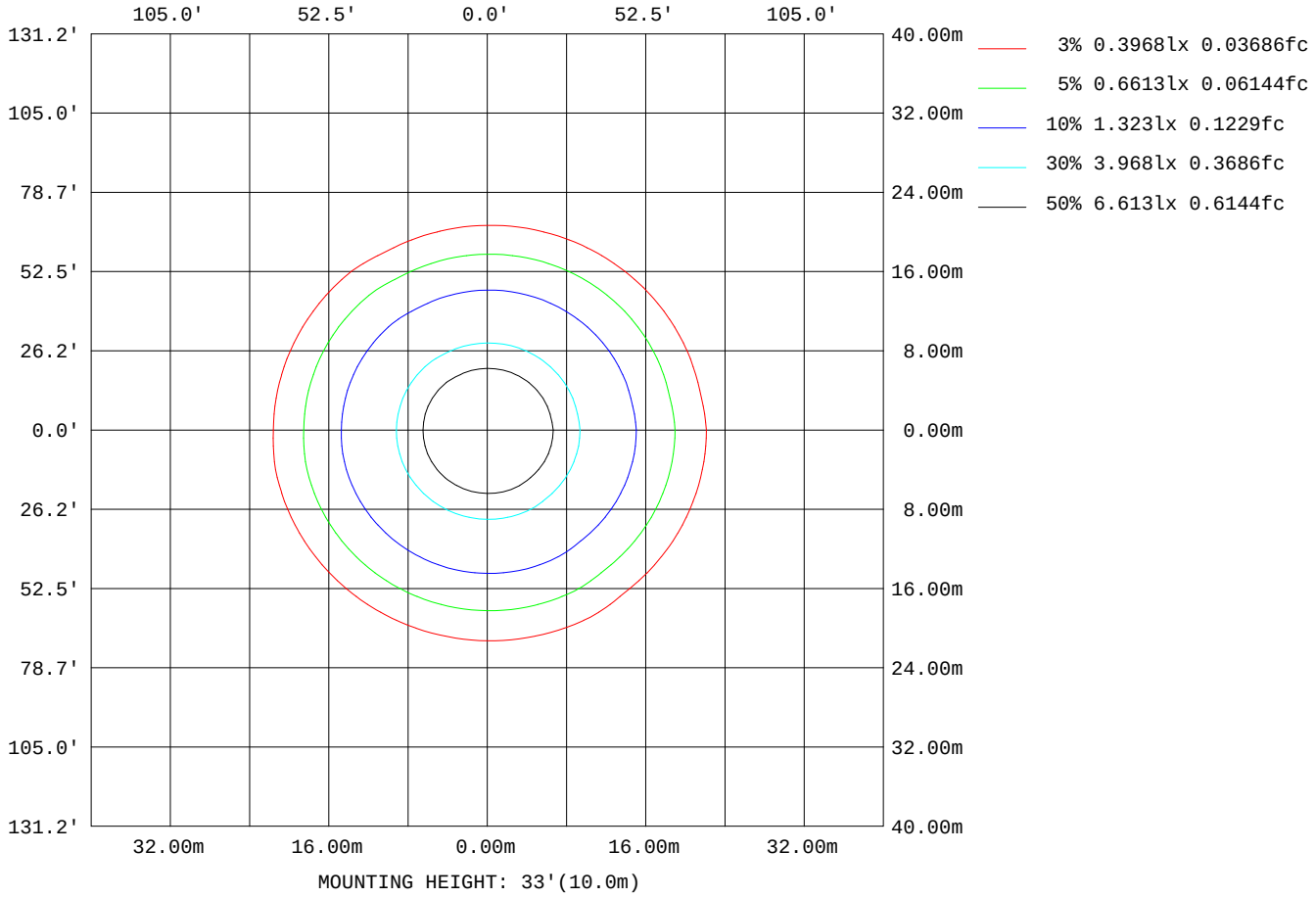
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Jonathan
Test Date:2023-01-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:56.5%
Test Distance:2.554m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.03V I:0.3104A P:35.021W PF:0.9399 Freq:60.00Hz Lamp Flux:3991.6x1 lm		
NAME: LED Luminaires	TYPE: LOC-22AJPL-MW(20/25/30)[illegible]	WEIGHT:35/40/50)Kg
SPEC.: 35W 3850 lm	DIM.: L=0.605,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 0.5*0.5	Shielding Angle: N/A



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Jonathan
Test Date:2023-01-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:56.5%
Test Distance:2.554m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.03V I:0.3104A P:35.021W PF:0.9399 Freq:60.00Hz Lamp Flux:3991.6x1 lm		
NAME: LED Luminaires	TYPE: LOC-22AJPL-MW(20/25/30)[illegible]	WEIGHT:[illegible]kg
SPEC.: 35W 3850 lm	DIM.: L=0.605,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 0.5*0.5	Shielding Angle: N/A

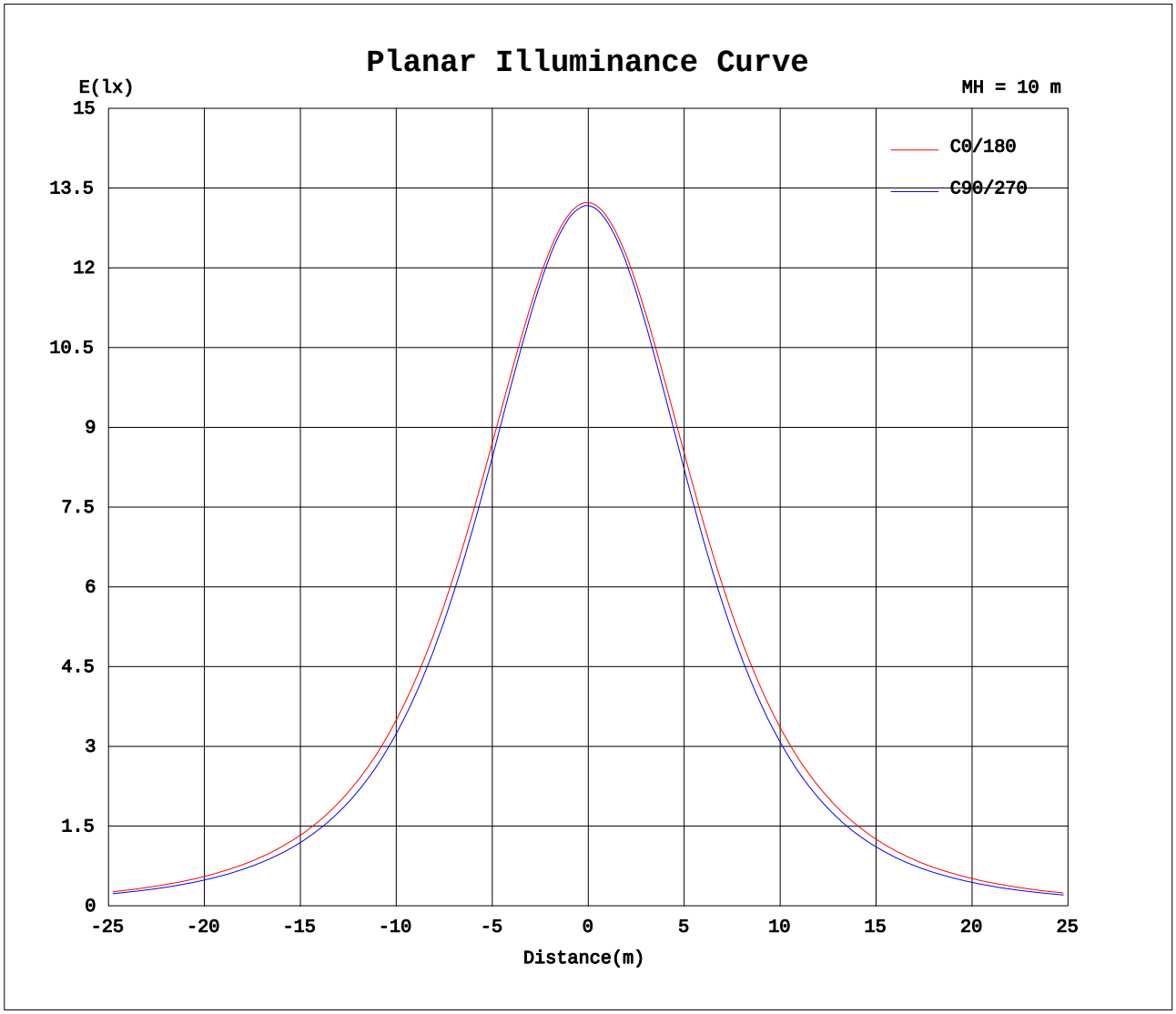
AvgL	cd/m2
L_0~180(65)av	5286
L_0~180(75)av	4803
L_0~180(85)av	3783
L_90~270(65)av	4593
L_90~270(75)av	3995
L_90~270(85)av	3011
L_45(65)av	4912
L_45(75)av	4360
L_45(85)av	3382

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Jonathan
Test Date:2023-01-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:56.5%
Test Distance:2.554m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Jonathan
Test Date:2023-01-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:56.5%
Test Distance:2.554m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.03V I:0.3104A P:35.021W PF:0.9399 Freq:60.00Hz Lamp Flux:3991.6x1 lm		
NAME: LED Luminaires	TYPE: LOC-22AJPL-MW(20/25/30)	WEIGHT:3.5/4.0/3.0 Kg
SPEC.: 35W 3850 lm	DIM.: L=0.605,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 0.5*0.5	Shielding Angle: N/A

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317
5	1316	1316	1315	1316	1315	1315	1316	1316	1315	1314	1314	1314	1313	1313	1312	1313	1312	1312	1311
10	1306	1305	1305	1305	1304	1302	1304	1304	1301	1300	1300	1299	1299	1299	1298	1299	1299	1298	1295
15	1287	1288	1286	1285	1283	1280	1282	1280	1278	1276	1274	1274	1274	1275	1275	1276	1276	1275	1272
20	1260	1260	1258	1256	1252	1247	1251	1247	1243	1241	1240	1240	1240	1241	1243	1244	1245	1245	1240
25	1224	1224	1222	1217	1212	1204	1208	1203	1198	1195	1194	1194	1196	1198	1201	1203	1205	1205	1200
30	1179	1178	1175	1169	1162	1152	1156	1150	1143	1139	1138	1139	1141	1145	1149	1153	1155	1157	1150
35	1124	1124	1119	1111	1102	1090	1094	1085	1078	1074	1073	1074	1078	1083	1088	1093	1097	1099	1091
40	1060	1059	1053	1043	1032	1019	1022	1013	1004	999	998	1000	1004	1011	1018	1025	1029	1032	1023
45	985	983	976	966	953	938	942	930	921	916	915	918	923	930	938	946	952	955	945
50	899	898	889	878	864	848	852	840	831	825	824	827	832	840	849	858	865	869	857
55	803	801	793	781	766	749	754	742	733	726	725	727	733	742	751	761	768	773	759
60	697	695	686	674	659	643	649	637	627	621	620	622	627	636	645	655	662	666	652
65	581	579	571	559	544	528	537	525	516	510	508	510	515	523	532	541	548	552	536
70	457	455	448	437	423	409	420	409	400	395	393	395	399	406	413	421	427	431	414
75	331	329	323	313	302	290	302	292	285	281	279	280	283	288	294	300	305	308	291
80	207	206	201	194	186	176	189	181	176	172	170	170	172	176	180	184	188	189	173
85	95.8	95.0	92.4	88.8	84.6	78.3	90.3	86.2	82.2	79.7	78.1	77.7	78.4	79.6	81.2	82.7	83.7	84.2	69.1
90	7.10	7.27	7.17	6.22	12.3	11.1	14.9	13.1	10.8	8.97	7.53	6.25	12.2	11.4	10.8	10.3	9.95	9.65	0.10
95	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.15	0.14	0.15	0.15	0.15	0.15	0.16	0.15	0.13
100	0.20	0.20	0.21	0.21	0.21	0.21	0.20	0.20	0.19	0.19	0.19	0.20	0.20	0.21	0.21	0.21	0.21	0.20	0.17
105	0.26	0.27	0.26	0.27	0.27	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.26	0.26	0.27	0.26	0.26	0.26	0.20
110	0.30	0.30	0.31	0.32	0.33	0.33	0.32	0.31	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.32	0.31	0.31	0.23
115	0.31	0.32	0.32	0.32	0.34	0.35	0.35	0.36	0.36	0.35	0.36	0.36	0.35	0.35	0.35	0.34	0.33	0.32	0.28
120	0.32	0.34	0.34	0.35	0.35	0.36	0.37	0.37	0.37	0.37	0.37	0.36	0.37	0.37	0.37	0.36	0.34	0.34	0.34
125	0.36	0.37	0.37	0.37	0.38	0.39	0.39	0.39	0.39	0.39	0.40	0.39	0.40	0.40	0.40	0.39	0.39	0.38	0.41
130	0.40	0.42	0.42	0.43	0.42	0.46	0.44	0.45	0.43	0.45	0.44	0.44	0.46	0.45	0.44	0.43	0.42	0.42	0.46
135	0.43	0.47	0.47	0.48	0.51	0.52	0.51	0.53	0.52	0.53	0.53	0.52	0.52	0.50	0.50	0.48	0.47	0.47	0.51
140	0.48	0.52	0.52	0.54	0.57	0.60	0.59	0.58	0.59	0.59	0.59	0.58	0.58	0.58	0.56	0.53	0.51	0.51	0.53
145	0.54	0.57	0.60	0.60	0.63	0.67	0.68	0.68	0.66	0.67	0.65	0.65	0.66	0.65	0.62	0.58	0.59	0.56	0.53
150	0.61	0.63	0.68	0.68	0.71	0.74	0.74	0.75	0.75	0.76	0.73	0.72	0.71	0.70	0.67	0.65	0.67	0.63	0.51
155	0.66	0.67	0.74	0.77	0.76	0.78	0.80	0.80	0.78	0.79	0.77	0.76	0.76	0.76	0.72	0.75	0.72	0.66	0.49
160	0.72	0.71	0.78	0.82	0.83	0.81	0.81	0.81	0.81	0.79	0.80	0.80	0.80	0.80	0.81	0.81	0.77	0.72	0.53
165	0.74	0.73	0.76	0.82	0.84	0.81	0.80	0.81	0.80	0.80	0.79	0.82	0.85	0.86	0.84	0.83	0.77	0.74	0.59
170	0.75	0.74	0.75	0.77	0.79	0.78	0.76	0.77	0.79	0.78	0.76	0.80	0.86	0.86	0.83	0.79	0.76	0.75	0.64
175	0.76	0.75	0.76	0.76	0.76	0.74	0.71	0.70	0.73	0.71	0.71	0.73	0.80	0.80	0.78	0.79	0.78	0.78	0.70
180	0.70	0.68	0.68	0.67	0.66	0.64	0.63	0.65	0.67	0.68	0.67	0.67	0.68	0.69	0.69	0.71	0.70	0.69	0.70

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Jonathan
Test Date:2023-01-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:56.5%
Test Distance:2.554m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

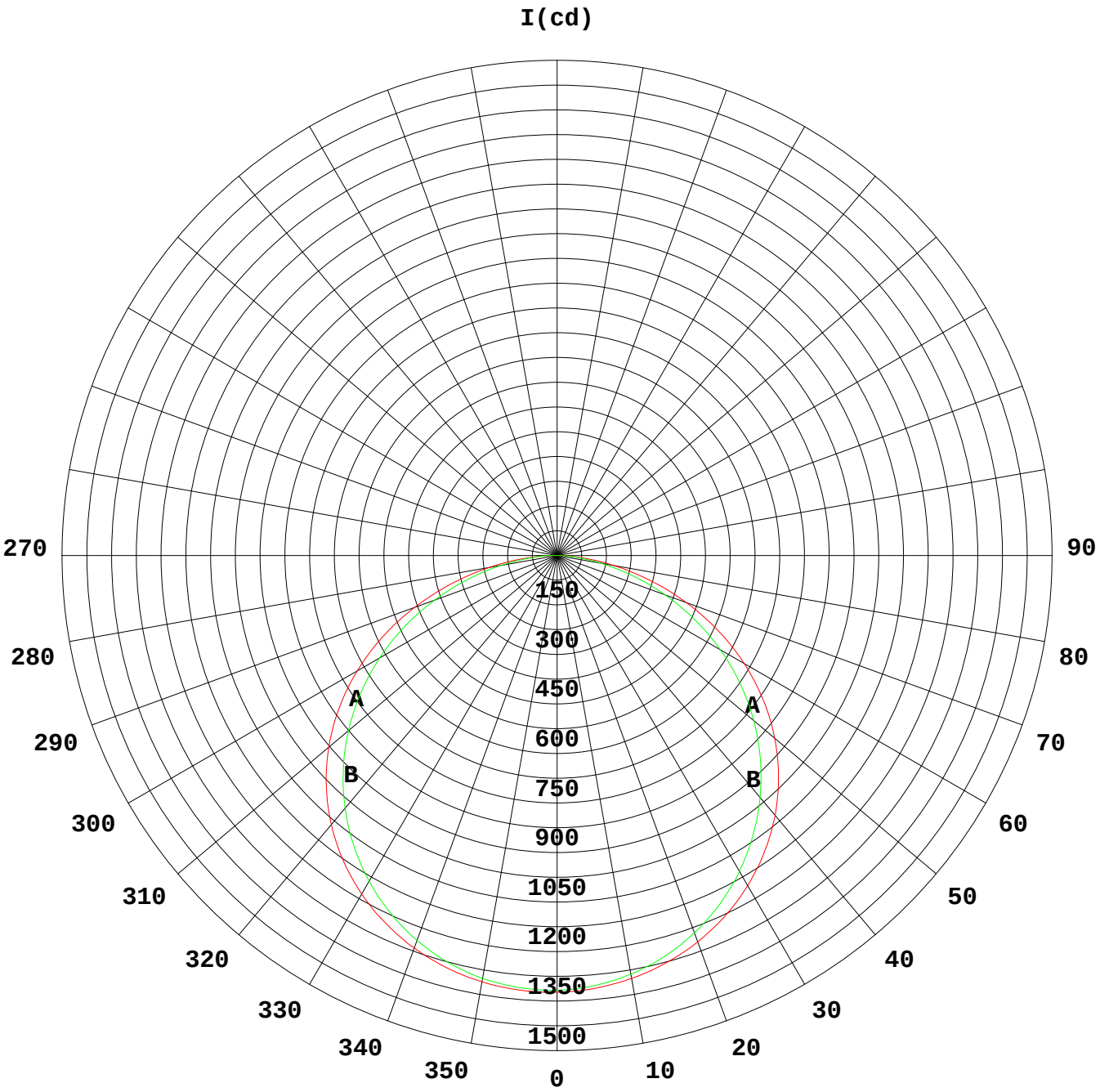
Test:U:120.03V I:0.3104A P:35.021W PF:0.9399 Freq:60.00Hz Lamp Flux:3991.6x1 lm		
NAME: LED Luminaires	TYPE: LOC-22AJPL-MW(20/25/30)MCOGH(35/40/50)	WEIGHT: 14.7/30 Kg
SPEC.: 35W 3850 lm	DIM.: L=0.605,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 0.5*0.5	Shielding Angle: N/A

Table--2 UNIT: cd

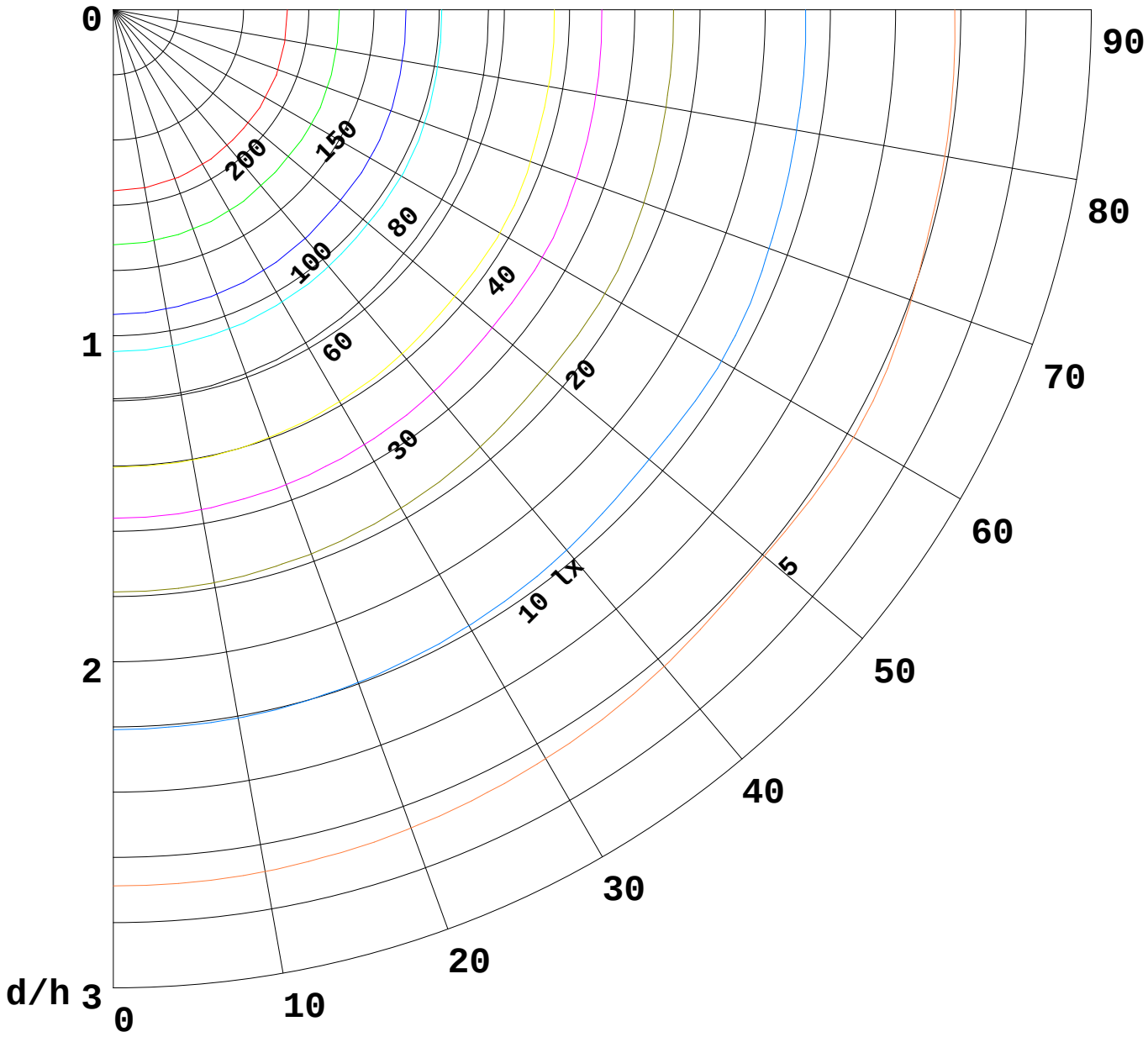
γ (DEG) \ C(DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317		
5	1310	1309	1310	1310	1309	1308	1308	1307	1307	1308	1309	1311	1311	1312	1313	1314	1314		
10	1295	1293	1293	1292	1291	1287	1287	1287	1288	1289	1292	1294	1296	1297	1300	1302	1302		
15	1271	1269	1268	1266	1264	1257	1256	1256	1257	1259	1262	1266	1270	1274	1278	1281	1283		
20	1238	1236	1233	1231	1227	1217	1216	1215	1216	1220	1224	1229	1234	1241	1247	1251	1254		
25	1197	1194	1190	1185	1181	1167	1165	1164	1166	1169	1175	1182	1189	1198	1206	1212	1216		
30	1147	1143	1137	1131	1125	1109	1105	1104	1105	1109	1117	1125	1135	1145	1155	1164	1169		
35	1087	1082	1076	1068	1060	1040	1036	1034	1035	1040	1049	1059	1071	1083	1096	1106	1112		
40	1019	1013	1004	995	986	963	958	956	957	963	972	984	998	1012	1027	1039	1047		
45	941	933	924	914	903	878	872	869	871	877	887	901	915	932	948	961	969		
50	853	845	835	824	812	784	779	776	778	784	795	809	825	842	859	873	882		
55	755	747	736	725	713	684	678	676	677	685	695	710	726	743	760	775	785		
60	647	639	629	618	607	577	571	570	571	578	589	602	618	636	653	667	677		
65	532	524	515	505	495	465	460	459	461	467	477	490	505	521	537	551	560		
70	411	404	396	387	379	350	346	345	347	353	362	374	387	402	416	428	436		
75	288	283	277	270	263	237	235	235	236	242	249	259	270	282	293	303	310		
80	171	168	164	160	155	134	132	133	135	139	144	152	160	169	177	184	188		
85	68.5	67.7	66.5	65.4	64.4	48.7	48.9	49.8	51.5	54.0	57.6	61.6	66.0	70.3	74.3	78.0	80.3		
90	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.12		
95	0.13	0.13	0.14	0.13	0.13	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13		
100	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16		
105	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.20	0.20	0.20	0.20	0.19	0.19	0.20	0.19	0.19	0.19		
110	0.23	0.24	0.24	0.25	0.25	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22		
115	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.27	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26		
120	0.33	0.33	0.33	0.32	0.32	0.31	0.31	0.31	0.31	0.31	0.30	0.30	0.30	0.30	0.31	0.31	0.33		
125	0.41	0.39	0.38	0.38	0.36	0.35	0.35	0.35	0.35	0.35	0.34	0.35	0.37	0.35	0.36	0.37	0.40		
130	0.48	0.46	0.45	0.42	0.41	0.42	0.41	0.39	0.38	0.39	0.40	0.41	0.39	0.40	0.42	0.44	0.46		
135	0.53	0.51	0.49	0.48	0.45	0.45	0.45	0.44	0.43	0.42	0.42	0.42	0.43	0.47	0.47	0.49	0.50		
140	0.54	0.53	0.51	0.51	0.51	0.49	0.49	0.47	0.45	0.44	0.44	0.47	0.49	0.48	0.50	0.52	0.52		
145	0.53	0.53	0.51	0.50	0.52	0.52	0.53	0.49	0.49	0.48	0.48	0.49	0.48	0.48	0.49	0.53	0.52		
150	0.50	0.51	0.49	0.50	0.50	0.50	0.52	0.49	0.50	0.48	0.47	0.48	0.48	0.48	0.51	0.51	0.50		
155	0.49	0.49	0.51	0.48	0.47	0.48	0.48	0.46	0.45	0.44	0.44	0.45	0.46	0.48	0.51	0.50	0.50		
160	0.53	0.51	0.52	0.52	0.50	0.50	0.49	0.47	0.44	0.45	0.45	0.46	0.48	0.52	0.54	0.53	0.54		
165	0.57	0.56	0.55	0.56	0.56	0.56	0.55	0.53	0.48	0.49	0.49	0.49	0.50	0.55	0.57	0.58	0.59		
170	0.64	0.62	0.60	0.59	0.60	0.61	0.61	0.57	0.52	0.53	0.54	0.51	0.52	0.58	0.63	0.65	0.66		
175	0.70	0.68	0.67	0.65	0.65	0.66	0.67	0.64	0.60	0.62	0.62	0.61	0.62	0.68	0.72	0.73	0.72		
180	0.70	0.69	0.68	0.67	0.67	0.67	0.65	0.65	0.67	0.68	0.67	0.67	0.69	0.70	0.71	0.72	0.71		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Jonathan
Test Date:2023-01-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:56.5%
Test Distance:2.554m [K=1.0000]
Remarks:


I(cd)
270
90
280
80
290
70
300
60
310
50
320
40
330
30
340
20
350
10
0
150
300
450
600
750
900
1050
1200
1350
1500
A
A
B
B

1000 lm K = 1



F = 39480 lm
K = 0.7
Hcc = 0.8 m
Hfc = 0.0 m
Eave = 100 lx

	Pcc	Pw	Pfc
———	70	50	30
———	50	30	20