



## 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. ....	BTR66.181.23.0004.38
Product Name.....	LED Luminaires
Model Number .....	LOC-24AJPL-MW(30/35/40)MCCT(35/40/50)D

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

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

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.  
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<b>Description:</b>				
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-24AJPL-MW(30/35/40)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 120-277V/60Hz			
Tested voltage (V; Hz)	AC 120V/60Hz			
Nominal Power .....	30W-35W-45W			
Nominal Power Factor .....	N/A			
Nominal Lumen Output.....	Setting	30W	35W	45W
	3500K	3300Lm	3850Lm	4950Lm
	4000K	3300Lm	3850Lm	4950Lm
	5000K	3300Lm	3850Lm	4950Lm
Nominal CCT .....	3500K-4000K-5000K			
Note	This product is CCT and wattage adjustable, tested at 45W 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°C			
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 BTR66.181.23.0001.21			

## Photometric and Electrical Measurement

Total light output (luminous flux) for the  $25^{\circ}\text{C} \pm 1^{\circ}\text{C}$  ambient temperature conditions was measured using a  $\varnothing 2.0\text{m}$  4II 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  $22.5^{\circ}$  vertical angle increment (maximum) from  $0^{\circ}$  to  $360^{\circ}$ , measurements were repeated in vertical planes about the lamp (polar) axis in an increment of  $1^{\circ}$  from  $0^{\circ}$  to  $180^{\circ}$ , and the intensity data were exported to a file in excel format.

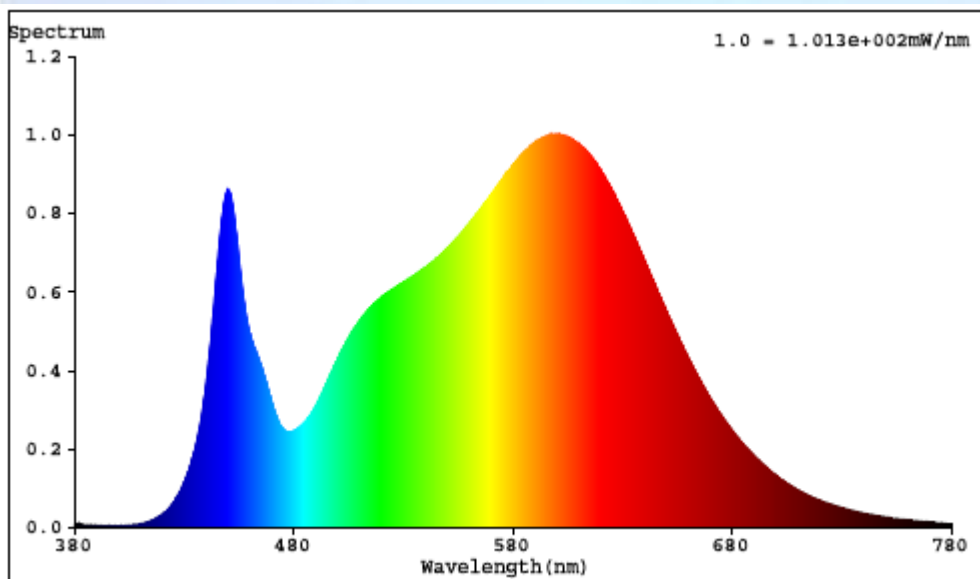


## Photometric and Electrical Test Data

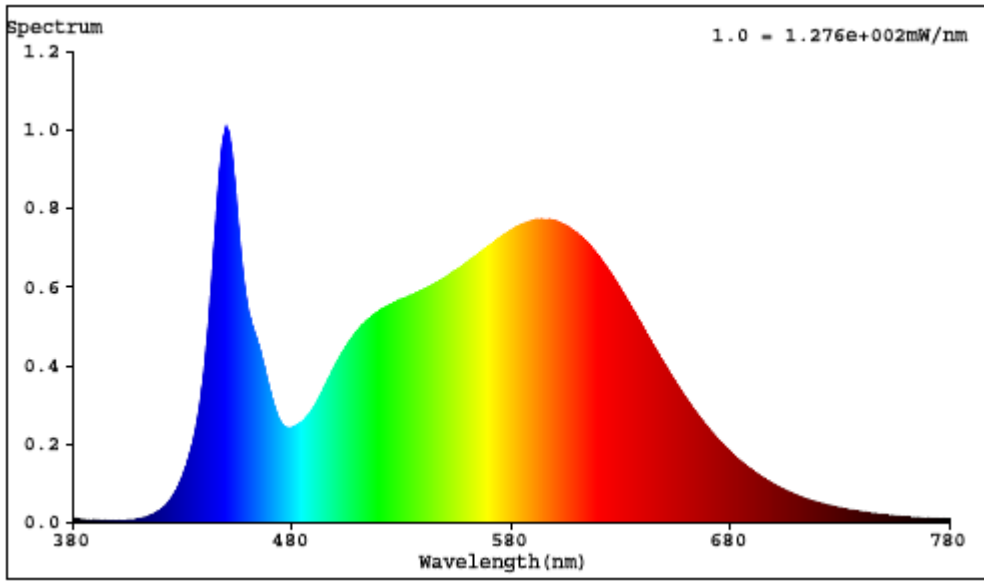
Model Number	Input Voltage (V)	Frequency (Hz)	Input Current (A)	ITHD	Input Power (W)	Power Factor	Lumen Output (Lumens)	Efficiency (Lumen/W)
LOC-24AJPL-MW(30/35/40)MCCT(35/40/50)D (3500K)	120.02	60.0	0.3664	9.8%	43.49	0.9889	5464.00	125.64
LOC-24AJPL-MW(30/35/40)MCCT(35/40/50)D (4000K)	120.02	60.0	0.3545	10.1%	42.09	0.9892	5759.70	136.84
LOC-24AJPL-MW(30/35/40)MCCT(35/40/50)D (5000K)	120.02	60.0	0.3687	9.6%	43.75	0.9888	5550.30	126.86
Model Number	CCT (K)	CRI (Ra)	R9	x CIE1931	y CIE1931	u' CIE1976	v' CIE1976	Duv CIE1976
LOC-24AJPL-MW(30/35/40)MCCT(35/40/50)D (3500K)	3522	84.2	12	0.4040	0.3898	0.2352	0.5107	-0.0001
LOC-24AJPL-MW(30/35/40)MCCT(35/40/50)D (4000K)	4143	84.8	16	0.3740	0.3716	0.2229	0.4983	-0.0005
LOC-24AJPL-MW(30/35/40)MCCT(35/40/50)D (5000K)	5035	82.9	7	0.3445	0.3549	0.2097	0.4862	0.0019

## Spectrum Plots

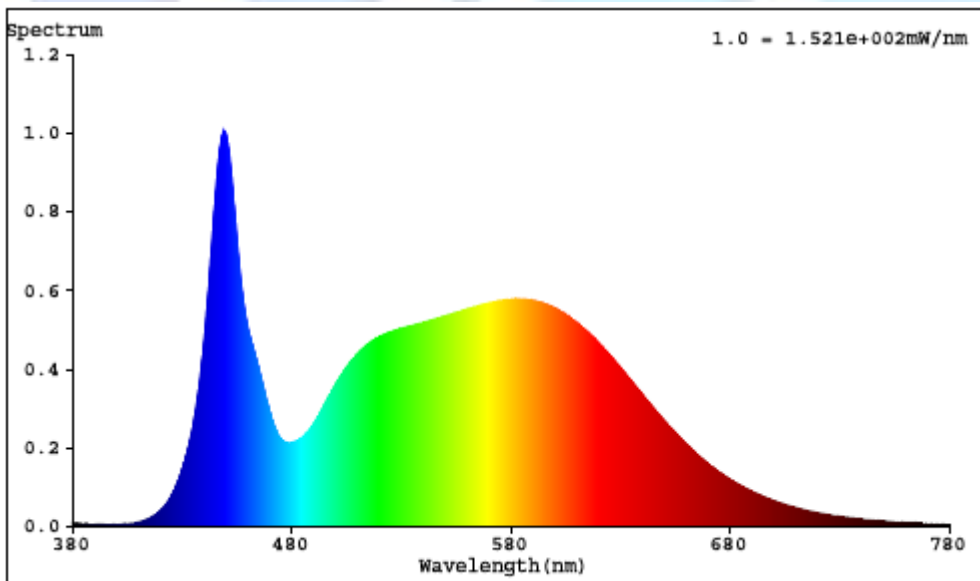
3500K



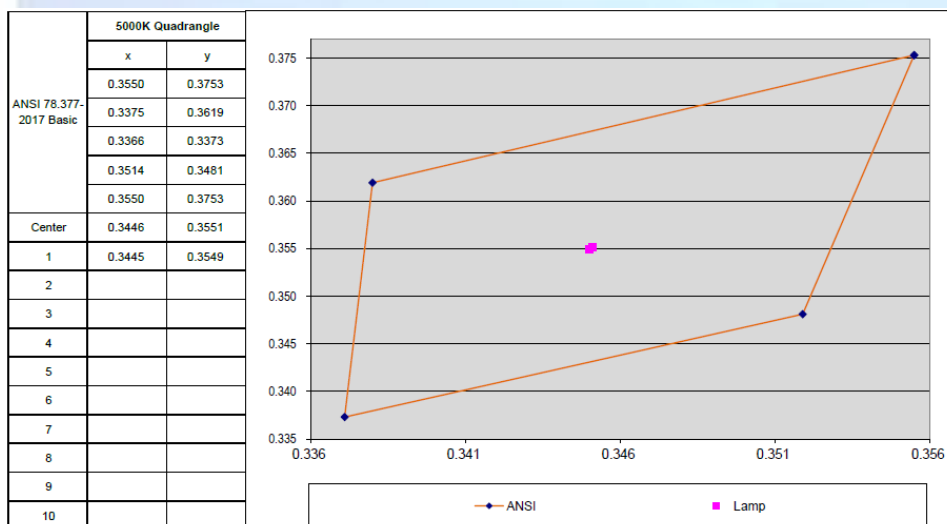
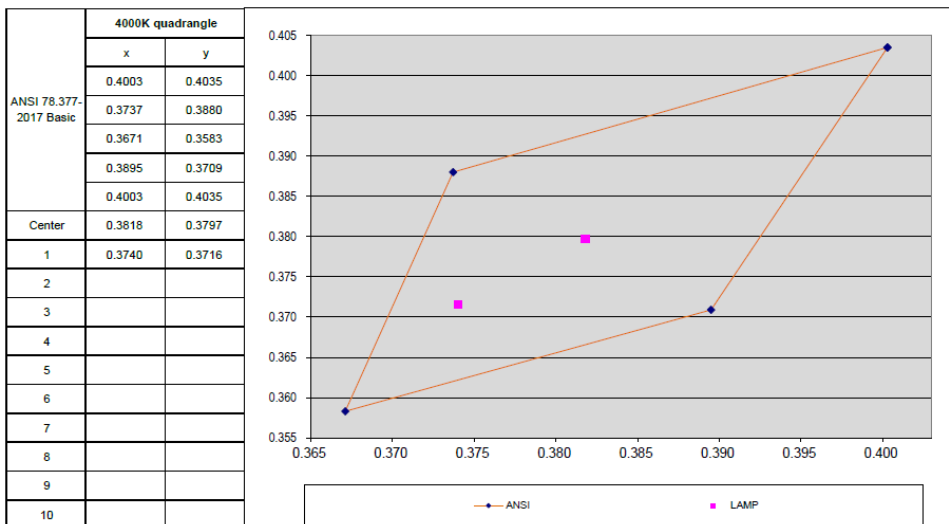
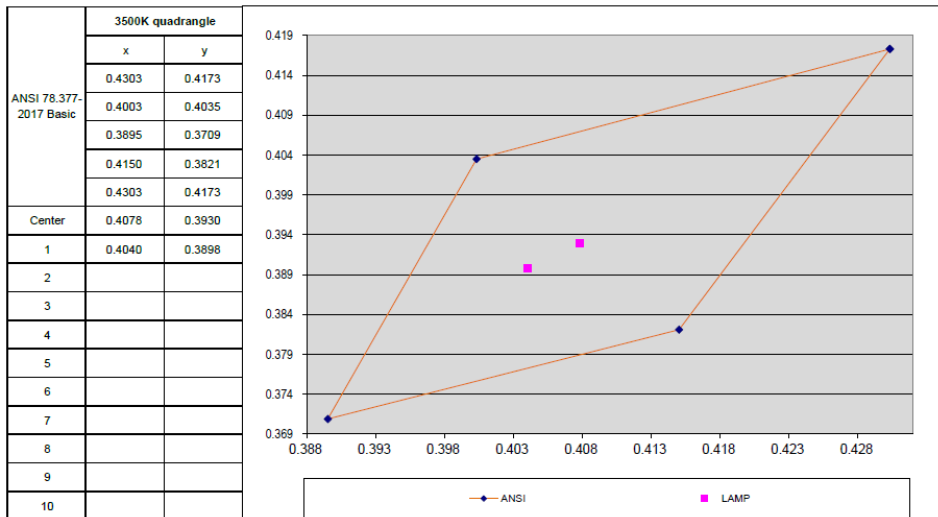
4000K



5000K



### 4 Step Quadrangle of ANSI 78.377-2017



**Spectral Energy Distribution(3500K)**

WL (nm)	Spectrum	Spectrum	WL (nm)	Spectrum	Spectrum
380	0.0077	0.7814	581	0.9276	93.9500
381	0.0071	0.7191	582	0.9339	94.5800
382	0.0081	0.8245	583	0.9413	95.3300
383	0.0067	0.6791	584	0.9468	95.8900
384	0.0057	0.5774	585	0.9525	96.4700
385	0.0049	0.4928	586	0.9584	97.0700
386	0.0052	0.5262	587	0.9632	97.5500
387	0.0052	0.5235	588	0.9693	98.1600
388	0.0044	0.4451	589	0.9743	98.6800
389	0.0045	0.4607	590	0.9785	99.1000
390	0.0039	0.3906	591	0.9827	99.5300
391	0.0030	0.3034	592	0.9854	99.8000
392	0.0037	0.3746	593	0.9888	100.1000
393	0.0035	0.3556	594	0.9918	100.4000
394	0.0032	0.3255	595	0.9944	100.7000
395	0.0033	0.3366	596	0.9962	100.9000
396	0.0036	0.3689	597	0.9982	101.1000
397	0.0035	0.3551	598	0.9996	101.2000
398	0.0034	0.3433	599	0.9992	101.2000
399	0.0036	0.3639	600	0.9998	101.3000
400	0.0037	0.3779	601	0.9998	101.3000
401	0.0044	0.4462	602	0.9979	101.1000
402	0.0040	0.4032	603	0.9964	100.9000
403	0.0042	0.4284	604	0.9949	100.8000
404	0.0047	0.4770	605	0.9924	100.5000
405	0.0052	0.5270	606	0.9901	100.3000
406	0.0053	0.5330	607	0.9866	99.9200
407	0.0061	0.6185	608	0.9827	99.5200
408	0.0072	0.7262	609	0.9789	99.1400
409	0.0073	0.7388	610	0.9755	98.8000
410	0.0085	0.8653	611	0.9693	98.1700
411	0.0096	0.9759	612	0.9648	97.7100
412	0.0111	1.1270	613	0.9596	97.1900
413	0.0127	1.2880	614	0.9539	96.6100
414	0.0142	1.4390	615	0.9469	95.9000
415	0.0168	1.7010	616	0.9394	95.1500
416	0.0191	1.9390	617	0.9322	94.4100
417	0.0219	2.2140	618	0.9248	93.6600
418	0.0255	2.5820	619	0.9157	92.7400
419	0.0285	2.8840	620	0.9080	91.9600
420	0.0323	3.2730	621	0.8984	90.9900
421	0.0368	3.7240	622	0.8886	90.0000
422	0.0419	4.2420	623	0.8782	88.9400

423	0.0474	4.7960	624	0.8694	88.0500
424	0.0541	5.4830	625	0.8598	87.0800
425	0.0612	6.2020	626	0.8488	85.9600
426	0.0696	7.0530	627	0.8377	84.8500
427	0.0789	7.9880	628	0.8261	83.6700
428	0.0887	8.9860	629	0.8146	82.5000
429	0.1001	10.1400	630	0.8020	81.2300
430	0.1129	11.4300	631	0.7914	80.1500
431	0.1268	12.8500	632	0.7786	78.8500
432	0.1414	14.3200	633	0.7661	77.5900
433	0.1587	16.0800	634	0.7548	76.4500
434	0.1781	18.0400	635	0.7416	75.1100
435	0.1995	20.2100	636	0.7291	73.8400
436	0.2245	22.7400	637	0.7166	72.5800
437	0.2527	25.5900	638	0.7037	71.2700
438	0.2841	28.7800	639	0.6915	70.0300
439	0.3227	32.6800	640	0.6778	68.6400
440	0.3651	36.9700	641	0.6646	67.3100
441	0.4124	41.7700	642	0.6519	66.0200
442	0.4667	47.2700	643	0.6388	64.7000
443	0.5281	53.4800	644	0.6264	63.4400
444	0.5891	59.6700	645	0.6130	62.0900
445	0.6534	66.1700	646	0.5994	60.7000
446	0.7190	72.8200	647	0.5872	59.4800
447	0.7729	78.2800	648	0.5746	58.1900
448	0.8177	82.8100	649	0.5620	56.9100
449	0.8432	85.4000	650	0.5490	55.6000
450	0.8558	86.6700	651	0.5363	54.3200
451	0.8464	85.7200	652	0.5245	53.1200
452	0.8211	83.1600	653	0.5124	51.9000
453	0.7818	79.1800	654	0.5001	50.6500
454	0.7339	74.3300	655	0.4880	49.4300
455	0.6816	69.0400	656	0.4764	48.2500
456	0.6321	64.0200	657	0.4645	47.0400
457	0.5845	59.2000	658	0.4528	45.8600
458	0.5471	55.4100	659	0.4418	44.7400
459	0.5162	52.2800	660	0.4304	43.5900
460	0.4903	49.6600	661	0.4196	42.4900
461	0.4706	47.6600	662	0.4083	41.3500
462	0.4543	46.0100	663	0.3976	40.2600
463	0.4403	44.5900	664	0.3873	39.2200
464	0.4259	43.1300	665	0.3767	38.1500
465	0.4099	41.5100	666	0.3670	37.1700
466	0.3928	39.7800	667	0.3571	36.1700
467	0.3735	37.8300	668	0.3468	35.1300
468	0.3547	35.9200	669	0.3378	34.2100



469	0.3344	33.8600	670	0.3280	33.2200
470	0.3150	31.9000	671	0.3190	32.3000
471	0.2971	30.0900	672	0.3105	31.4400
472	0.2812	28.4800	673	0.3013	30.5100
473	0.2679	27.1300	674	0.2926	29.6300
474	0.2573	26.0600	675	0.2843	28.7900
475	0.2505	25.3700	676	0.2766	28.0100
476	0.2453	24.8400	677	0.2689	27.2400
477	0.2432	24.6300	678	0.2608	26.4200
478	0.2426	24.5700	679	0.2533	25.6500
479	0.2430	24.6100	680	0.2461	24.9200
480	0.2452	24.8300	681	0.2382	24.1300
481	0.2481	25.1200	682	0.2313	23.4200
482	0.2515	25.4700	683	0.2249	22.7800
483	0.2560	25.9200	684	0.2178	22.0600
484	0.2612	26.4600	685	0.2113	21.4000
485	0.2663	26.9700	686	0.2049	20.7500
486	0.2735	27.7000	687	0.1989	20.1500
487	0.2803	28.3900	688	0.1931	19.5500
488	0.2886	29.2200	689	0.1875	18.9900
489	0.2977	30.1500	690	0.1814	18.3700
490	0.3074	31.1300	691	0.1761	17.8300
491	0.3173	32.1400	692	0.1704	17.2500
492	0.3294	33.3600	693	0.1651	16.7200
493	0.3407	34.5000	694	0.1599	16.2000
494	0.3530	35.7500	695	0.1551	15.7100
495	0.3655	37.0200	696	0.1500	15.1900
496	0.3786	38.3500	697	0.1453	14.7100
497	0.3907	39.5700	698	0.1409	14.2700
498	0.4029	40.8100	699	0.1363	13.8000
499	0.4147	42.0000	700	0.1323	13.4000
500	0.4269	43.2400	701	0.1276	12.9200
501	0.4388	44.4400	702	0.1235	12.5000
502	0.4493	45.5000	703	0.1193	12.0900
503	0.4599	46.5700	704	0.1156	11.7100
504	0.4704	47.6400	705	0.1119	11.3300
505	0.4803	48.6400	706	0.1083	10.9700
506	0.4891	49.5300	707	0.1047	10.6100
507	0.4988	50.5200	708	0.1014	10.2700
508	0.5080	51.4500	709	0.0978	9.9080
509	0.5161	52.2700	710	0.0947	9.5900
510	0.5237	53.0400	711	0.0914	9.2570
511	0.5316	53.8400	712	0.0884	8.9580
512	0.5386	54.5500	713	0.0854	8.6480
513	0.5455	55.2500	714	0.0826	8.3630
514	0.5523	55.9400	715	0.0801	8.1140

515	0.5584	56.5500	716	0.0774	7.8360
516	0.5635	57.0700	717	0.0749	7.5840
517	0.5700	57.7300	718	0.0725	7.3390
518	0.5751	58.2400	719	0.0703	7.1240
519	0.5795	58.6900	720	0.0681	6.9010
520	0.5847	59.2200	721	0.0660	6.6820
521	0.5889	59.6400	722	0.0639	6.4760
522	0.5933	60.0900	723	0.0620	6.2770
523	0.5969	60.4500	724	0.0601	6.0820
524	0.6012	60.8900	725	0.0581	5.8870
525	0.6046	61.2300	726	0.0564	5.7070
526	0.6085	61.6200	727	0.0544	5.5140
527	0.6126	62.0400	728	0.0527	5.3420
528	0.6156	62.3500	729	0.0511	5.1800
529	0.6199	62.7900	730	0.0494	5.0080
530	0.6224	63.0300	731	0.0477	4.8290
531	0.6262	63.4200	732	0.0462	4.6840
532	0.6301	63.8100	733	0.0448	4.5360
533	0.6328	64.0900	734	0.0433	4.3810
534	0.6369	64.5000	735	0.0418	4.2320
535	0.6401	64.8300	736	0.0405	4.1050
536	0.6436	65.1800	737	0.0395	3.9970
537	0.6488	65.7100	738	0.0379	3.8410
538	0.6521	66.0400	739	0.0369	3.7340
539	0.6559	66.4300	740	0.0355	3.5960
540	0.6598	66.8300	741	0.0344	3.4840
541	0.6636	67.2000	742	0.0333	3.3760
542	0.6685	67.7000	743	0.0323	3.2700
543	0.6732	68.1800	744	0.0313	3.1650
544	0.6774	68.6100	745	0.0303	3.0680
545	0.6832	69.2000	746	0.0295	2.9850
546	0.6870	69.5800	747	0.0284	2.8740
547	0.6925	70.1300	748	0.0275	2.7860
548	0.6975	70.6400	749	0.0266	2.6910
549	0.7033	71.2300	750	0.0258	2.6130
550	0.7083	71.7300	751	0.0250	2.5300
551	0.7143	72.3500	752	0.0241	2.4450
552	0.7203	72.9500	753	0.0234	2.3660
553	0.7262	73.5400	754	0.0228	2.3070
554	0.7324	74.1700	755	0.0220	2.2240
555	0.7376	74.7000	756	0.0212	2.1420
556	0.7441	75.3600	757	0.0207	2.0970
557	0.7504	76.0000	758	0.0200	2.0220
558	0.7584	76.8100	759	0.0192	1.9470
559	0.7644	77.4200	760	0.0188	1.9020
560	0.7714	78.1300	761	0.0184	1.8600

561	0.7789	78.8900	762	0.0177	1.7880
562	0.7845	79.4500	763	0.0171	1.7320
563	0.7933	80.3500	764	0.0165	1.6750
564	0.7990	80.9300	765	0.0160	1.6210
565	0.8074	81.7700	766	0.0156	1.5770
566	0.8148	82.5200	767	0.0150	1.5170
567	0.8221	83.2600	768	0.0146	1.4740
568	0.8296	84.0200	769	0.0140	1.4130
569	0.8371	84.7800	770	0.0136	1.3810
570	0.8450	85.5800	771	0.0133	1.3490
571	0.8530	86.3900	772	0.0129	1.3040
572	0.8601	87.1100	773	0.0126	1.2770
573	0.8679	87.9000	774	0.0120	1.2150
574	0.8761	88.7300	775	0.0118	1.1920
575	0.8829	89.4200	776	0.0114	1.1500
576	0.8916	90.3000	777	0.0110	1.1180
577	0.8996	91.1100	778	0.0106	1.0690
578	0.9054	91.7000	779	0.0106	1.0700
579	0.9125	92.4200	780	0.0106	1.0720
580	0.9207	93.2500			



**Spectral Energy Distribution(4000K)**

WL (nm)	Spectrum	Spectrum	WL (nm)	Spectrum	Spectrum
380	0.0096	1.2240	581	0.7451	95.1000
381	0.0072	0.9137	582	0.7485	95.5300
382	0.0071	0.9021	583	0.7513	95.8900
383	0.0075	0.9611	584	0.7544	96.2800
384	0.0064	0.8182	585	0.7564	96.5400
385	0.0056	0.7161	586	0.7591	96.8900
386	0.0047	0.5992	587	0.7610	97.1300
387	0.0045	0.5791	588	0.7634	97.4300
388	0.0042	0.5361	589	0.7654	97.6900
389	0.0043	0.5464	590	0.7663	97.8100
390	0.0037	0.4707	591	0.7674	97.9500
391	0.0031	0.4010	592	0.7686	98.1000
392	0.0038	0.4813	593	0.7690	98.1500
393	0.0031	0.3951	594	0.7697	98.2400
394	0.0031	0.3936	595	0.7698	98.2500
395	0.0035	0.4440	596	0.7694	98.2000
396	0.0033	0.4237	597	0.7695	98.2100
397	0.0031	0.4005	598	0.7695	98.2200
398	0.0031	0.4017	599	0.7676	97.9800
399	0.0034	0.4298	600	0.7658	97.7300
400	0.0033	0.4202	601	0.7644	97.5600
401	0.0039	0.4916	602	0.7618	97.2400
402	0.0039	0.4995	603	0.7589	96.8600
403	0.0041	0.5183	604	0.7567	96.5700
404	0.0043	0.5502	605	0.7533	96.1500
405	0.0047	0.5999	606	0.7502	95.7500
406	0.0052	0.6650	607	0.7462	95.2400
407	0.0056	0.7152	608	0.7428	94.8100
408	0.0061	0.7776	609	0.7390	94.3200
409	0.0069	0.8853	610	0.7349	93.7900
410	0.0078	0.9932	611	0.7294	93.0900
411	0.0091	1.1550	612	0.7258	92.6400
412	0.0103	1.3120	613	0.7200	91.9000
413	0.0118	1.5070	614	0.7143	91.1600
414	0.0132	1.6840	615	0.7081	90.3700
415	0.0156	1.9920	616	0.7022	89.6200
416	0.0179	2.2800	617	0.6964	88.8900
417	0.0200	2.5580	618	0.6895	88.0100
418	0.0236	3.0130	619	0.6824	87.1000
419	0.0266	3.4010	620	0.6753	86.1900
420	0.0304	3.8760	621	0.6679	85.2500
421	0.0345	4.4060	622	0.6601	84.2500
422	0.0396	5.0510	623	0.6518	83.2000

423	0.0448	5.7130	624	0.6442	82.2200
424	0.0516	6.5820	625	0.6361	81.1800
425	0.0586	7.4740	626	0.6281	80.1700
426	0.0671	8.5670	627	0.6187	78.9600
427	0.0765	9.7590	628	0.6104	77.9100
428	0.0865	11.0500	629	0.6012	76.7400
429	0.0988	12.6100	630	0.5917	75.5200
430	0.1116	14.2400	631	0.5823	74.3200
431	0.1267	16.1700	632	0.5736	73.2100
432	0.1422	18.1500	633	0.5638	71.9500
433	0.1601	20.4400	634	0.5548	70.8100
434	0.1808	23.0700	635	0.5451	69.5700
435	0.2042	26.0600	636	0.5354	68.3300
436	0.2292	29.2500	637	0.5257	67.1000
437	0.2596	33.1300	638	0.5161	65.8700
438	0.2942	37.5500	639	0.5069	64.7000
439	0.3360	42.8800	640	0.4968	63.4100
440	0.3808	48.6000	641	0.4871	62.1700
441	0.4352	55.5500	642	0.4769	60.8600
442	0.4973	63.4700	643	0.4676	59.6900
443	0.5689	72.6100	644	0.4579	58.4500
444	0.6434	82.1100	645	0.4477	57.1500
445	0.7243	92.4400	646	0.4379	55.8900
446	0.8065	102.9000	647	0.4291	54.7700
447	0.8792	112.2000	648	0.4192	53.5100
448	0.9398	119.9000	649	0.4102	52.3500
449	0.9789	124.9000	650	0.4004	51.1000
450	1.0000	127.6000	651	0.3910	49.9100
451	0.9923	126.6000	652	0.3821	48.7700
452	0.9622	122.8000	653	0.3735	47.6700
453	0.9161	116.9000	654	0.3646	46.5400
454	0.8554	109.2000	655	0.3558	45.4100
455	0.7895	100.8000	656	0.3467	44.2500
456	0.7255	92.6000	657	0.3385	43.2000
457	0.6649	84.8600	658	0.3297	42.0800
458	0.6147	78.4600	659	0.3210	40.9700
459	0.5744	73.3200	660	0.3133	39.9800
460	0.5404	68.9700	661	0.3050	38.9300
461	0.5159	65.8400	662	0.2966	37.8600
462	0.4949	63.1600	663	0.2888	36.8600
463	0.4780	61.0100	664	0.2816	35.9500
464	0.4615	58.9000	665	0.2738	34.9500
465	0.4439	56.6600	666	0.2665	34.0100
466	0.4237	54.0800	667	0.2592	33.0900
467	0.4015	51.2500	668	0.2521	32.1800
468	0.3793	48.4200	669	0.2449	31.2500

469	0.3558	45.4100	670	0.2386	30.4500
470	0.3326	42.4600	671	0.2317	29.5800
471	0.3113	39.7300	672	0.2254	28.7700
472	0.2916	37.2200	673	0.2188	27.9300
473	0.2757	35.1800	674	0.2124	27.1100
474	0.2626	33.5100	675	0.2065	26.3600
475	0.2528	32.2600	676	0.2005	25.5900
476	0.2457	31.3600	677	0.1950	24.8800
477	0.2423	30.9200	678	0.1893	24.1600
478	0.2395	30.5700	679	0.1835	23.4100
479	0.2392	30.5300	680	0.1782	22.7500
480	0.2402	30.6500	681	0.1731	22.1000
481	0.2420	30.8900	682	0.1681	21.4500
482	0.2450	31.2700	683	0.1630	20.8000
483	0.2487	31.7400	684	0.1580	20.1700
484	0.2522	32.1900	685	0.1535	19.6000
485	0.2561	32.6800	686	0.1488	18.9900
486	0.2615	33.3800	687	0.1442	18.4100
487	0.2674	34.1200	688	0.1401	17.8800
488	0.2738	34.9500	689	0.1358	17.3400
489	0.2813	35.9100	690	0.1320	16.8400
490	0.2902	37.0400	691	0.1276	16.2800
491	0.2991	38.1700	692	0.1236	15.7800
492	0.3092	39.4600	693	0.1197	15.2800
493	0.3202	40.8700	694	0.1162	14.8300
494	0.3304	42.1700	695	0.1124	14.3500
495	0.3420	43.6500	696	0.1090	13.9100
496	0.3532	45.0800	697	0.1053	13.4400
497	0.3649	46.5700	698	0.1023	13.0600
498	0.3764	48.0400	699	0.0988	12.6100
499	0.3874	49.4400	700	0.0957	12.2200
500	0.3982	50.8200	701	0.0927	11.8400
501	0.4084	52.1300	702	0.0897	11.4500
502	0.4184	53.4100	703	0.0866	11.0600
503	0.4284	54.6800	704	0.0841	10.7300
504	0.4377	55.8600	705	0.0812	10.3600
505	0.4474	57.1000	706	0.0786	10.0300
506	0.4550	58.0700	707	0.0762	9.7300
507	0.4630	59.1000	708	0.0738	9.4190
508	0.4711	60.1200	709	0.0712	9.0850
509	0.4788	61.1100	710	0.0689	8.7940
510	0.4853	61.9400	711	0.0667	8.5190
511	0.4923	62.8300	712	0.0645	8.2260
512	0.4992	63.7100	713	0.0623	7.9490
513	0.5043	64.3600	714	0.0601	7.6660
514	0.5103	65.1400	715	0.0582	7.4300

515	0.5153	65.7700	716	0.0564	7.1940
516	0.5198	66.3500	717	0.0544	6.9400
517	0.5250	67.0100	718	0.0529	6.7530
518	0.5294	67.5600	719	0.0511	6.5210
519	0.5328	68.0000	720	0.0496	6.3240
520	0.5378	68.6400	721	0.0481	6.1340
521	0.5408	69.0300	722	0.0466	5.9470
522	0.5442	69.4500	723	0.0452	5.7700
523	0.5469	69.8000	724	0.0437	5.5720
524	0.5502	70.2300	725	0.0423	5.4010
525	0.5527	70.5400	726	0.0410	5.2330
526	0.5557	70.9200	727	0.0398	5.0750
527	0.5588	71.3300	728	0.0384	4.8990
528	0.5612	71.6300	729	0.0371	4.7330
529	0.5640	71.9800	730	0.0360	4.5950
530	0.5662	72.2700	731	0.0349	4.4570
531	0.5687	72.5800	732	0.0337	4.3070
532	0.5702	72.7800	733	0.0326	4.1640
533	0.5727	73.0900	734	0.0317	4.0450
534	0.5763	73.5500	735	0.0306	3.9030
535	0.5777	73.7400	736	0.0296	3.7790
536	0.5799	74.0100	737	0.0287	3.6580
537	0.5830	74.4100	738	0.0278	3.5530
538	0.5857	74.7500	739	0.0269	3.4320
539	0.5879	75.0300	740	0.0261	3.3260
540	0.5913	75.4700	741	0.0252	3.2200
541	0.5937	75.7700	742	0.0245	3.1210
542	0.5969	76.1800	743	0.0237	3.0260
543	0.5990	76.4500	744	0.0230	2.9350
544	0.6025	76.9000	745	0.0222	2.8340
545	0.6056	77.2900	746	0.0216	2.7550
546	0.6083	77.6300	747	0.0208	2.6510
547	0.6115	78.0400	748	0.0201	2.5660
548	0.6153	78.5300	749	0.0195	2.4850
549	0.6184	78.9300	750	0.0190	2.4190
550	0.6212	79.2800	751	0.0183	2.3410
551	0.6253	79.8100	752	0.0177	2.2590
552	0.6291	80.3000	753	0.0171	2.1880
553	0.6336	80.8700	754	0.0166	2.1210
554	0.6370	81.3000	755	0.0161	2.0560
555	0.6402	81.7100	756	0.0156	1.9910
556	0.6436	82.1400	757	0.0152	1.9360
557	0.6478	82.6800	758	0.0146	1.8690
558	0.6520	83.2200	759	0.0142	1.8170
559	0.6560	83.7200	760	0.0139	1.7680
560	0.6605	84.3100	761	0.0134	1.7120

561	0.6647	84.8400	762	0.0130	1.6630
562	0.6680	85.2600	763	0.0126	1.6020
563	0.6726	85.8500	764	0.0122	1.5550
564	0.6765	86.3400	765	0.0118	1.5100
565	0.6806	86.8700	766	0.0114	1.4520
566	0.6849	87.4200	767	0.0110	1.4080
567	0.6892	87.9700	768	0.0107	1.3690
568	0.6936	88.5200	769	0.0104	1.3310
569	0.6978	89.0600	770	0.0101	1.2890
570	0.7021	89.6100	771	0.0098	1.2520
571	0.7060	90.1000	772	0.0095	1.2080
572	0.7102	90.6500	773	0.0091	1.1680
573	0.7145	91.1900	774	0.0089	1.1360
574	0.7187	91.7200	775	0.0087	1.1130
575	0.7228	92.2500	776	0.0085	1.0800
576	0.7270	92.7900	777	0.0082	1.0420
577	0.7312	93.3300	778	0.0079	1.0070
578	0.7341	93.6900	779	0.0079	1.0080
579	0.7379	94.1800	780	0.0079	1.0100
580	0.7416	94.6600			



BEST



**Spectral Energy Distribution(5000K)**

WL (nm)	Spectrum	Spectrum	WL (nm)	Spectrum	Spectrum
380	0.0081	1.2320	581	0.5762	87.6600
381	0.0064	0.9668	582	0.5766	87.7200
382	0.0066	1.0090	583	0.5765	87.7100
383	0.0066	0.9983	584	0.5766	87.7200
384	0.0053	0.8048	585	0.5759	87.6100
385	0.0049	0.7487	586	0.5758	87.5900
386	0.0045	0.6851	587	0.5755	87.5600
387	0.0045	0.6783	588	0.5745	87.4000
388	0.0040	0.6134	589	0.5743	87.3700
389	0.0039	0.5950	590	0.5729	87.1700
390	0.0038	0.5739	591	0.5721	87.0300
391	0.0035	0.5307	592	0.5700	86.7200
392	0.0036	0.5517	593	0.5688	86.5300
393	0.0034	0.5128	594	0.5671	86.2800
394	0.0032	0.4939	595	0.5653	86.0100
395	0.0033	0.5041	596	0.5634	85.7200
396	0.0036	0.5453	597	0.5614	85.4100
397	0.0036	0.5487	598	0.5594	85.1100
398	0.0035	0.5282	599	0.5561	84.6000
399	0.0036	0.5427	600	0.5532	84.1700
400	0.0038	0.5827	601	0.5506	83.7700
401	0.0040	0.6029	602	0.5471	83.2300
402	0.0045	0.6849	603	0.5437	82.7200
403	0.0046	0.7023	604	0.5406	82.2400
404	0.0049	0.7501	605	0.5360	81.5500
405	0.0055	0.8309	606	0.5328	81.0600
406	0.0060	0.9201	607	0.5286	80.4200
407	0.0068	1.0320	608	0.5247	79.8300
408	0.0074	1.1210	609	0.5205	79.1900
409	0.0086	1.3060	610	0.5164	78.5600
410	0.0097	1.4800	611	0.5117	77.8400
411	0.0109	1.6620	612	0.5072	77.1700
412	0.0126	1.9120	613	0.5024	76.4300
413	0.0144	2.1870	614	0.4975	75.6900
414	0.0166	2.5240	615	0.4927	74.9600
415	0.0192	2.9220	616	0.4873	74.1300
416	0.0223	3.3960	617	0.4816	73.2700
417	0.0254	3.8690	618	0.4766	72.5100
418	0.0293	4.4610	619	0.4705	71.5700
419	0.0334	5.0810	620	0.4645	70.6700
420	0.0382	5.8170	621	0.4584	69.7300
421	0.0435	6.6210	622	0.4528	68.8800
422	0.0500	7.6100	623	0.4462	67.8900

423	0.0571	8.6850	624	0.4402	66.9600
424	0.0652	9.9250	625	0.4340	66.0200
425	0.0749	11.4000	626	0.4278	65.0900
426	0.0857	13.0400	627	0.4211	64.0600
427	0.0976	14.8500	628	0.4146	63.0800
428	0.1108	16.8600	629	0.4082	62.0900
429	0.1253	19.0600	630	0.4012	61.0400
430	0.1422	21.6300	631	0.3941	59.9600
431	0.1602	24.3700	632	0.3875	58.9500
432	0.1804	27.4400	633	0.3807	57.9100
433	0.2029	30.8700	634	0.3739	56.8800
434	0.2282	34.7100	635	0.3673	55.8800
435	0.2562	38.9800	636	0.3599	54.7500
436	0.2878	43.7800	637	0.3532	53.7300
437	0.3251	49.4700	638	0.3467	52.7400
438	0.3661	55.7000	639	0.3402	51.7600
439	0.4156	63.2300	640	0.3331	50.6700
440	0.4690	71.3500	641	0.3259	49.5800
441	0.5292	80.5200	642	0.3193	48.5800
442	0.5988	91.1000	643	0.3127	47.5800
443	0.6736	102.5000	644	0.3059	46.5400
444	0.7488	113.9000	645	0.2994	45.5500
445	0.8229	125.2000	646	0.2924	44.4900
446	0.8931	135.9000	647	0.2859	43.4900
447	0.9488	144.3000	648	0.2791	42.4700
448	0.9862	150.0000	649	0.2729	41.5200
449	0.9997	152.1000	650	0.2668	40.5900
450	0.9940	151.2000	651	0.2605	39.6300
451	0.9624	146.4000	652	0.2542	38.6800
452	0.9146	139.1000	653	0.2485	37.8100
453	0.8554	130.1000	654	0.2423	36.8700
454	0.7894	120.1000	655	0.2363	35.9500
455	0.7245	110.2000	656	0.2303	35.0300
456	0.6643	101.1000	657	0.2246	34.1600
457	0.6099	92.7900	658	0.2187	33.2700
458	0.5660	86.1000	659	0.2134	32.4600
459	0.5305	80.7200	660	0.2078	31.6100
460	0.5013	76.2700	661	0.2023	30.7700
461	0.4777	72.6700	662	0.1967	29.9300
462	0.4563	69.4200	663	0.1915	29.1300
463	0.4374	66.5400	664	0.1864	28.3500
464	0.4182	63.6300	665	0.1815	27.6100
465	0.3973	60.4500	666	0.1765	26.8500
466	0.3752	57.0800	667	0.1717	26.1300
467	0.3525	53.6300	668	0.1669	25.4000
468	0.3302	50.2400	669	0.1626	24.7400

469	0.3073	46.7500	670	0.1580	24.0400
470	0.2867	43.6200	671	0.1535	23.3500
471	0.2678	40.7400	672	0.1494	22.7200
472	0.2516	38.2800	673	0.1450	22.0600
473	0.2391	36.3800	674	0.1410	21.4500
474	0.2285	34.7600	675	0.1368	20.8200
475	0.2211	33.6400	676	0.1330	20.2300
476	0.2157	32.8100	677	0.1289	19.6200
477	0.2131	32.4100	678	0.1255	19.1000
478	0.2112	32.1300	679	0.1220	18.5700
479	0.2111	32.1100	680	0.1182	17.9800
480	0.2118	32.2300	681	0.1149	17.4800
481	0.2135	32.4800	682	0.1115	16.9700
482	0.2153	32.7600	683	0.1083	16.4700
483	0.2183	33.2200	684	0.1050	15.9700
484	0.2217	33.7400	685	0.1019	15.5000
485	0.2258	34.3500	686	0.0987	15.0200
486	0.2312	35.1700	687	0.0958	14.5700
487	0.2365	35.9800	688	0.0931	14.1700
488	0.2427	36.9200	689	0.0904	13.7500
489	0.2505	38.1100	690	0.0875	13.3200
490	0.2587	39.3600	691	0.0848	12.9000
491	0.2672	40.6500	692	0.0822	12.5000
492	0.2768	42.1100	693	0.0797	12.1200
493	0.2871	43.6700	694	0.0772	11.7500
494	0.2971	45.2100	695	0.0749	11.4000
495	0.3076	46.7900	696	0.0724	11.0200
496	0.3182	48.4100	697	0.0704	10.7100
497	0.3281	49.9200	698	0.0681	10.3600
498	0.3388	51.5400	699	0.0659	10.0300
499	0.3489	53.0800	700	0.0638	9.7040
500	0.3585	54.5400	701	0.0618	9.4090
501	0.3678	55.9600	702	0.0599	9.1090
502	0.3769	57.3500	703	0.0578	8.7870
503	0.3857	58.6800	704	0.0561	8.5400
504	0.3942	59.9700	705	0.0543	8.2550
505	0.4025	61.2300	706	0.0526	8.0040
506	0.4094	62.2800	707	0.0510	7.7660
507	0.4170	63.4400	708	0.0494	7.5090
508	0.4242	64.5300	709	0.0477	7.2640
509	0.4303	65.4700	710	0.0460	7.0050
510	0.4364	66.3900	711	0.0446	6.7920
511	0.4421	67.2600	712	0.0431	6.5520
512	0.4478	68.1200	713	0.0416	6.3320
513	0.4528	68.8800	714	0.0403	6.1270
514	0.4580	69.6800	715	0.0390	5.9300

515	0.4624	70.3500	716	0.0379	5.7680
516	0.4659	70.8800	717	0.0366	5.5630
517	0.4706	71.5900	718	0.0355	5.4050
518	0.4746	72.2100	719	0.0344	5.2270
519	0.4771	72.5800	720	0.0333	5.0630
520	0.4810	73.1700	721	0.0323	4.9160
521	0.4830	73.4800	722	0.0314	4.7750
522	0.4855	73.8600	723	0.0303	4.6140
523	0.4880	74.2400	724	0.0295	4.4860
524	0.4906	74.6400	725	0.0285	4.3430
525	0.4924	74.9100	726	0.0276	4.2060
526	0.4943	75.2000	727	0.0267	4.0670
527	0.4962	75.5000	728	0.0259	3.9460
528	0.4981	75.7800	729	0.0251	3.8190
529	0.5003	76.1100	730	0.0243	3.6930
530	0.5013	76.2600	731	0.0236	3.5860
531	0.5031	76.5400	732	0.0228	3.4760
532	0.5044	76.7300	733	0.0221	3.3670
533	0.5060	76.9900	734	0.0215	3.2650
534	0.5080	77.2900	735	0.0208	3.1660
535	0.5089	77.4200	736	0.0201	3.0520
536	0.5100	77.6000	737	0.0194	2.9460
537	0.5122	77.9200	738	0.0189	2.8690
538	0.5136	78.1400	739	0.0183	2.7770
539	0.5146	78.2800	740	0.0178	2.7010
540	0.5163	78.5500	741	0.0171	2.5970
541	0.5177	78.7600	742	0.0166	2.5300
542	0.5195	79.0400	743	0.0161	2.4470
543	0.5212	79.2900	744	0.0156	2.3720
544	0.5227	79.5200	745	0.0151	2.2970
545	0.5249	79.8600	746	0.0146	2.2230
546	0.5261	80.0400	747	0.0142	2.1590
547	0.5277	80.2900	748	0.0138	2.0970
548	0.5291	80.5000	749	0.0133	2.0160
549	0.5311	80.7900	750	0.0130	1.9740
550	0.5332	81.1200	751	0.0125	1.8980
551	0.5351	81.4000	752	0.0121	1.8330
552	0.5363	81.5900	753	0.0117	1.7830
553	0.5381	81.8700	754	0.0113	1.7200
554	0.5401	82.1700	755	0.0110	1.6780
555	0.5414	82.3700	756	0.0107	1.6260
556	0.5431	82.6300	757	0.0104	1.5810
557	0.5446	82.8500	758	0.0101	1.5380
558	0.5469	83.2100	759	0.0097	1.4810
559	0.5489	83.5000	760	0.0095	1.4470
560	0.5506	83.7600	761	0.0092	1.3980

561	0.5526	84.0600	762	0.0089	1.3560
562	0.5534	84.1900	763	0.0087	1.3180
563	0.5560	84.5900	764	0.0084	1.2700
564	0.5569	84.7200	765	0.0081	1.2330
565	0.5588	85.0200	766	0.0078	1.1890
566	0.5605	85.2700	767	0.0076	1.1580
567	0.5617	85.4600	768	0.0074	1.1280
568	0.5632	85.6800	769	0.0072	1.0930
569	0.5642	85.8400	770	0.0069	1.0540
570	0.5659	86.1000	771	0.0068	1.0310
571	0.5673	86.3100	772	0.0065	0.9963
572	0.5680	86.4200	773	0.0064	0.9723
573	0.5698	86.6800	774	0.0062	0.9487
574	0.5712	86.9000	775	0.0060	0.9065
575	0.5715	86.9400	776	0.0059	0.8938
576	0.5728	87.1500	777	0.0056	0.8580
577	0.5741	87.3400	778	0.0055	0.8382
578	0.5745	87.4100	779	0.0055	0.8392
579	0.5746	87.4200	780	0.0055	0.8408
580	0.5757	87.5800			

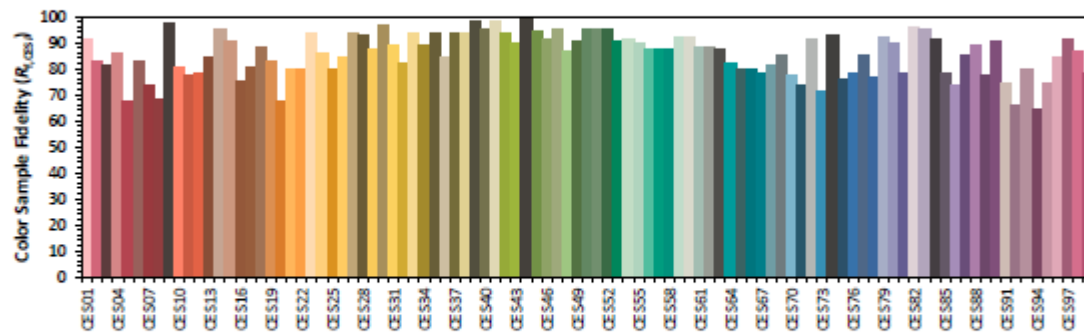
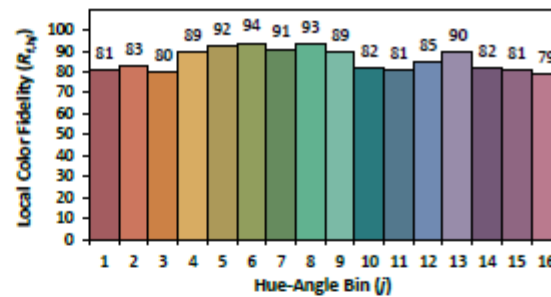
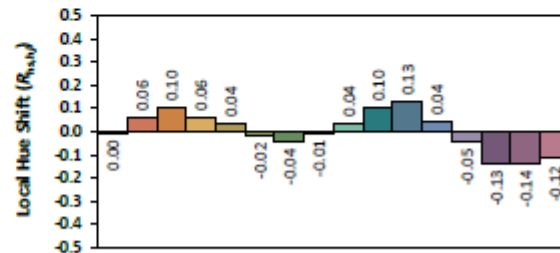
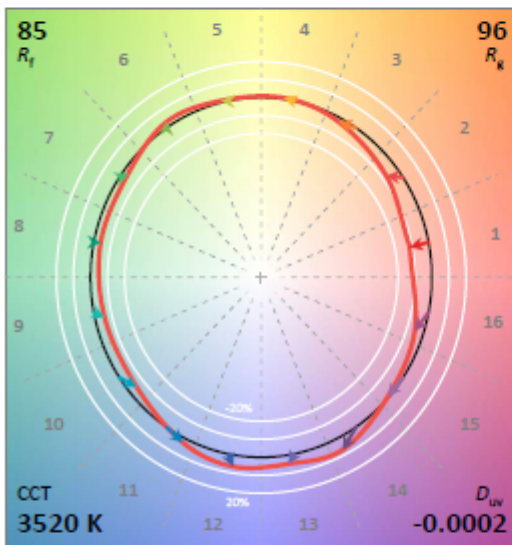
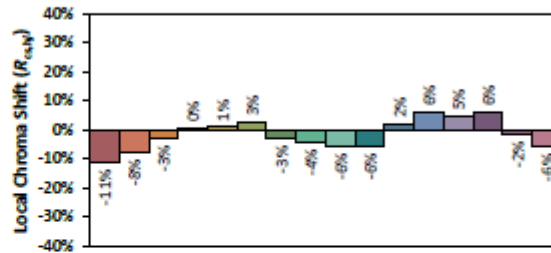
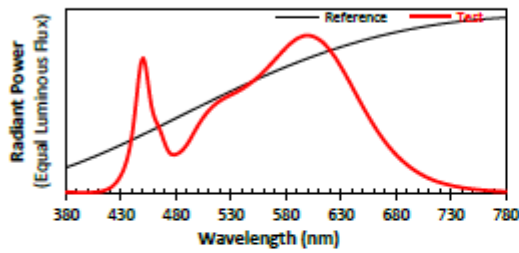
A large, stylized, light blue watermark of the word "BEST" is centered on the page. The letters are bold and have a slight 3D effect with a white outline.

IES-TM-30-18 Report

ANSI/IES TM-30-18 Color Rendition Report

Source: LED Luminaires  
 Date:

Manufacturer: LED One Corporation  
 Model: LOC-24AJPL-MW(30/35/40)MCCT(35/40/50)D



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

$x$	0.4040	CIE 13.3-1995 (CRI)
$y$	0.3896	
$u'$	0.2353	
$v'$	0.5106	
		$R_a$ 84
		$R_9$ 12

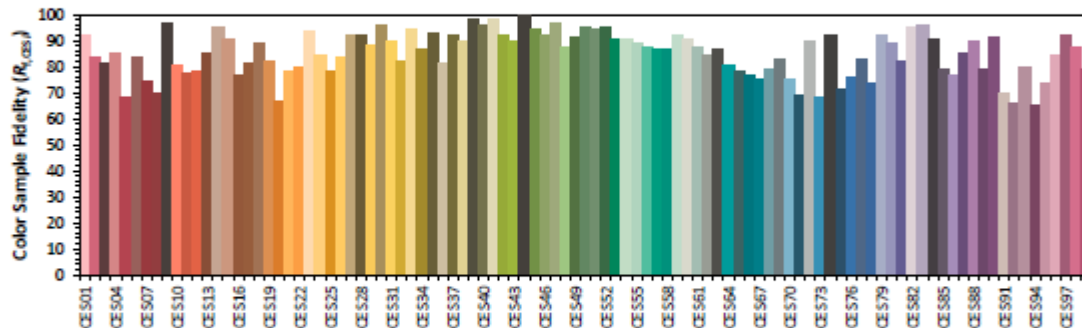
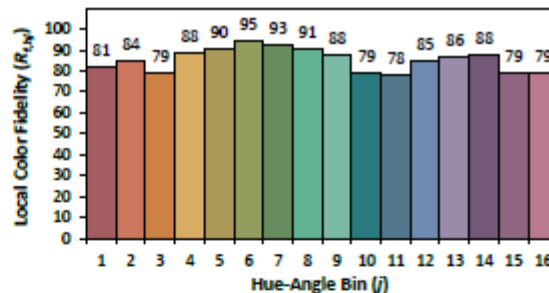
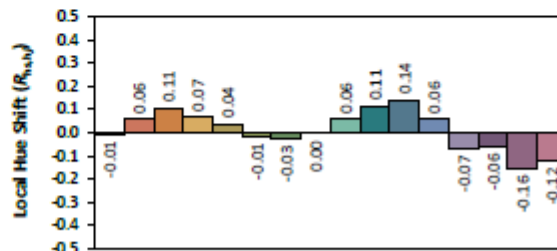
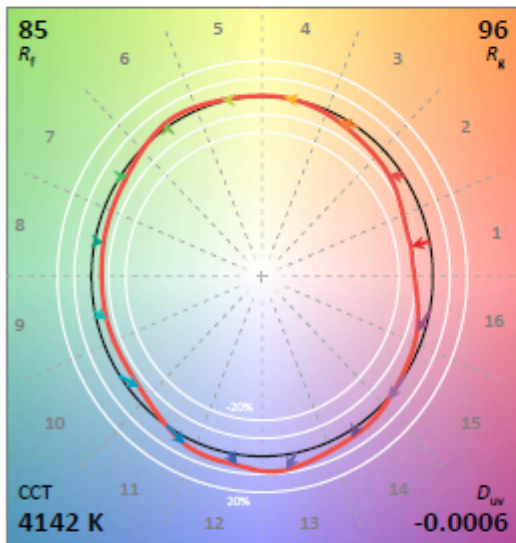
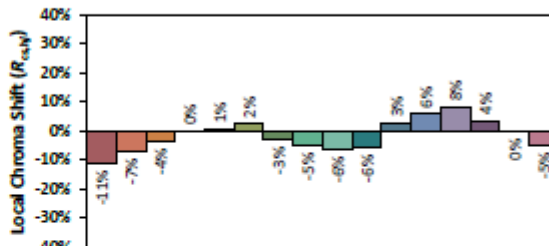
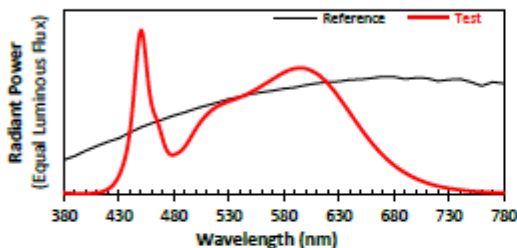
### ANSI/IES TM-30-18 Color Rendition Report

Source: LED Luminares

Manufacturer: LED One Corporation

Date:

Model: LOC-24AJPL-MW(30/35/40)MCCT(35/40/50)D



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

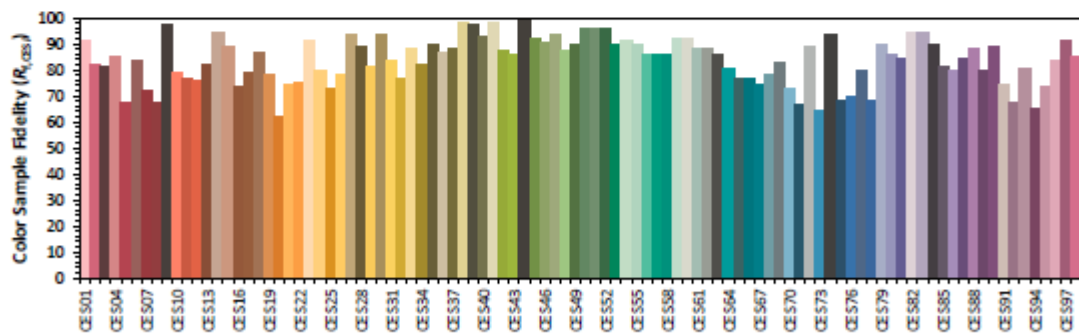
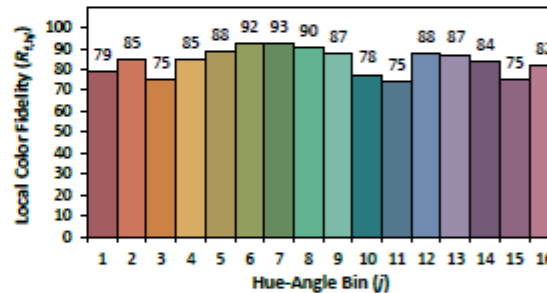
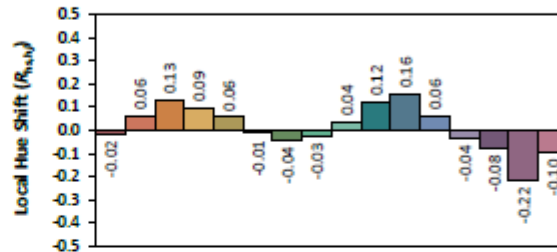
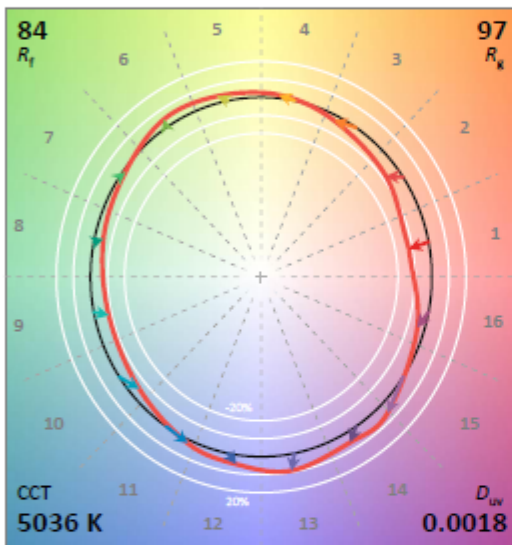
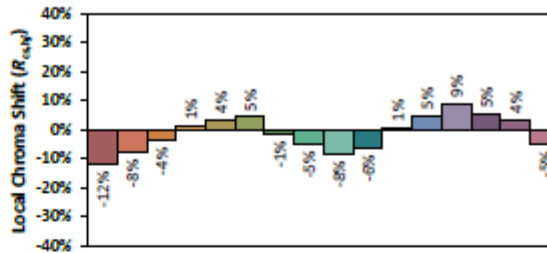
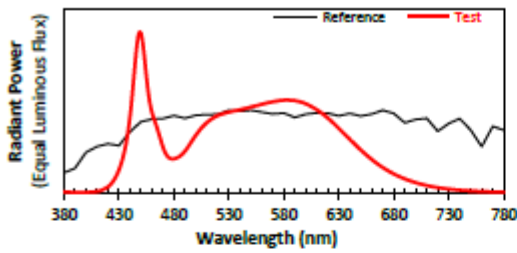
$x$  0.3740  
 $y$  0.3714  
 $u'$  0.2230  
 $v'$  0.4983

CIE 13.3-1995 (CRI)	
$R_a$	85
$R_s$	16

### ANSI/IES TM-30-18 Color Rendition Report

Source: LED Luminaire  
 Date:

Manufacturer: LED One Corporation  
 Model: LOC-24AJPL-MW (30/35/40) MCCT (35/40/50)D



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

$x$	0.3444	CIE 13.3-1995 (CRI)
$y$	0.3547	
$u'$	0.2098	
$v'$	0.4861	
		$R_g$ 7



## EUT Photo



Equipment list			
BEST ID#	Apparatus Name	Cal Date	Cal Due Date
B073	Standard Light Source	2019/8/26	Every 50 hours life
B186	Digital CC&CV DC Power Supply	2022/4/17	2023/4/16
B059	Second Meter	2022/4/17	2023/4/16
B178	Spectroradio Meter	Calibrated before measurement	N/A
B174	Integral Sphere	Calibrated before measurement	N/A
B188	AC Source	2022/4/17	2023/4/16
B012	Digital Power Meter	2022/4/17	2023/4/16
B161	Temperature Meter	2022/4/17	2023/4/16
B184	Aux Lamp DC Source	N/A	N/A
B045	Temperature Meter	2022/4/17	2023/4/16
B015	AC Power Source	N/A	N/A
B133	Goniophotometer	2022/4/17	2023/4/16
B181	Spectroradio Meter	2022/4/17	2023/4/16
B084	Digital Power Meter	2022/4/17	2023/4/16
B232	Standard Light Source	2019/8/26	Every 50hours life
B144	Digital CC&CV DC Power Supply	2022/4/17	2023/4/16
B250	Air Flow Meter	2022/4/17	2023/4/16

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( $\varphi$ )	±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

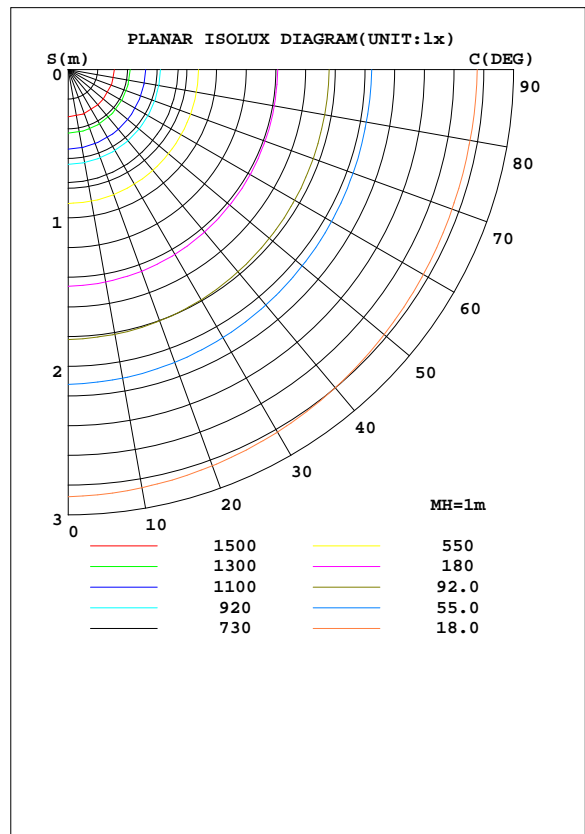
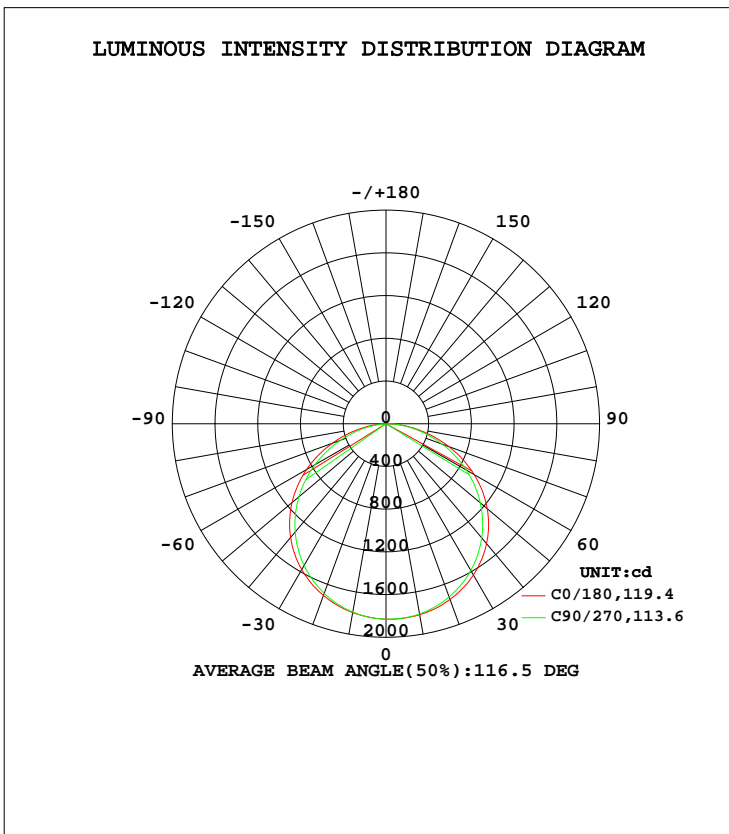
Please see the next page for the luminous intensity test data

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LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.99V I:0.3658A P:43.428W PF:0.9893 Freq:60.00Hz Lamp Flux:5479.74x1 lm		
NAME: LED Luminaires	TYPE: LOC-24AJPL-MW(30/35/40)MCCT(35/40/50)E	MCCT(35/40/50)E
SPEC.: 45.0W 4950 lm	DIM.: L=1.21,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 1.155*0.545	Shielding Angle: N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.18 lm/W			
LOC-24AJPL-MW(30/35/40)MCCT(35/40/50)E		Imax(cd)	1833	S/MH(C0/180)	1.33
NOMINAL POWER(W)	45.0	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	5479.7	η UP, DN(C0-180)	0.0,48.2
NOMINAL FLUX(lm)	5479.74	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,51.7
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



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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1795	1789	1790	1803	1816	1816	1809	1803	0- 10	173.4	173.4	3.16,3.16
20	1712	1694	1691	1720	1752	1746	1726	1721	10- 20	499.3	672.7	12.3,12.3
30	1577	1544	1534	1582	1636	1621	1587	1584	20- 30	764.6	1437	26.2,26.2
40	1390	1342	1322	1390	1465	1442	1394	1395	30- 40	935.0	2372	43.3,43.3
50	1149	1090	1064	1144	1237	1210	1153	1156	40- 50	985.1	3357	61.3,61.3
60	859.3	795.3	768.3	851.5	954.3	927.7	869.4	871.0	50- 60	903.0	4260	77.7,77.7
70	535.8	475.8	452.9	527.9	626.6	611.3	561.1	556.5	60- 70	696.7	4957	90.5,90.5
80	216.8	172.6	160.7	213.1	290.2	291.9	260.1	247.3	70- 80	405.6	5363	97.9,97.9
90	0.2219	0.1775	0.1666	4.479	18.10	32.12	25.66	5.419	80- 90	113.5	5476	99.9,99.9
100	0.2895	0.3061	0.2950	0.2945	0.1991	0.1890	0.1805	0.1986	90-100	1.158	5477	100,100
110	0.3872	0.4426	0.4479	0.4151	0.2602	0.2655	0.2597	0.2671	100-110	0.3130	5478	100,100
120	0.3947	0.4341	0.4492	0.3922	0.3834	0.3244	0.3223	0.3345	110-120	0.3543	5478	100,100
130	0.4688	0.5056	0.5142	0.4809	0.5264	0.4195	0.3706	0.4350	120-130	0.3706	5478	100,100
140	0.5326	0.6392	0.6893	0.5840	0.5897	0.5331	0.4706	0.5202	130-140	0.3997	5479	100,100
150	0.6527	0.7418	0.7779	0.7005	0.5388	0.5173	0.4919	0.5062	140-150	0.3715	5479	100,100
160	0.7515	0.7683	0.7719	0.7865	0.5641	0.4893	0.3919	0.4917	150-160	0.2828	5479	100,100
170	0.7830	0.7259	0.7107	0.8101	0.6952	0.6349	0.4883	0.5674	160-170	0.1813	5480	100,100
180	0.7176	0.6611	0.6510	0.7228	0.7296	0.6733	0.6370	0.7161	170-180	0.0671	5480	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2866.8 lm

%lum = 52.3%

%lamp = 52.3%

Conical surface Flux(120deg): 4260.4 lm

%lum = 77.7%

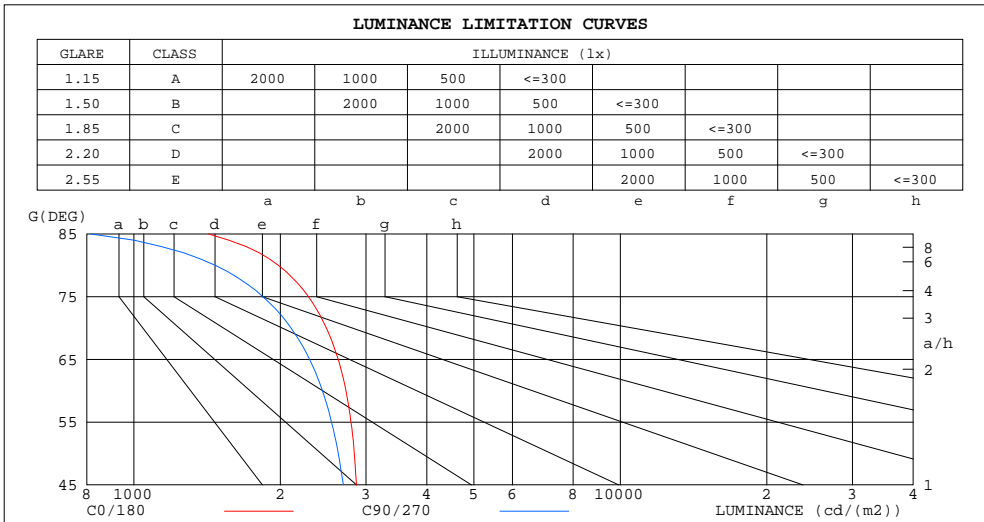
%lamp = 77.7%

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:119.99V I:0.3658A P:43.428W PF:0.9893 Freq:60.00Hz Lamp Flux:5479.74x1 lm		
NAME: LED Luminaires	TYPE: LOC-24AJPL-MW(30/35/40)MCKSH135/44.0/150	
SPEC.: 45.0W 4950 lm	DIM.: L=1.21,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 1.155*0.545	Shielding Angle: N/A



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1424	815
80	1983	1471
75	2286	1842
70	2488	2104
65	2631	2297
60	2729	2441
55	2794	2548
50	2840	2631
45	2866	2695

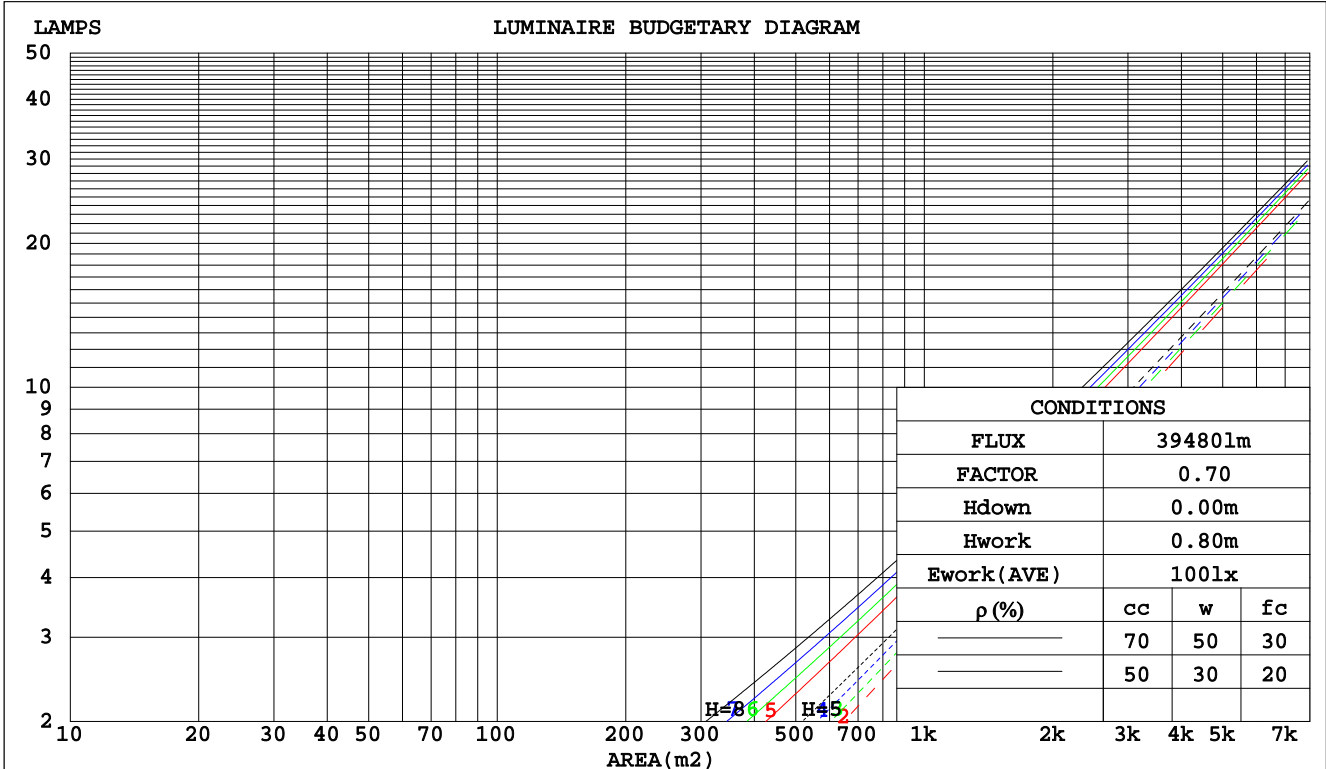
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 Operators: Jonathan  
 Test Date: 2023-01-28

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:119.99V I:0.3658A P:43.428W PF:0.9893 Freq:60.00Hz		
Lamp Flux:5479.74x1 lm		
NAME: LED Luminaires	TYPE: LOC-24AJPL-MW(30/35/40)MCKT35/44.0/150 Mg	
SPEC.: 45.0W 4950 lm	DIM.: L=1.21,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 1.155*0.545	Shielding Angle: N/A

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
pw																0
pfc	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	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.70	.64	.77	.69	.63	.74	.68	.62	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.53	.66	.58	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.50	.44	.39	.37
7.0	.51	.42	.35	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.37	.31	.43	.36	.31	.42	.35	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.36	.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:119.99V I:0.3658A P:43.428W PF:0.9893 Freq:60.00Hz		
Lamp Flux:5479.74x1 lm		
NAME: LED Luminaires	TYPE: LOC-24AJPL-MW(30/35/40)MCK3H135/44.00/150 Mg	
SPEC.: 45.0W 4950 lm	DIM.: L=1.21,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 1.155*0.545	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 Coefficients(WEC)									
0.0																
1.0	.316	.179	.057	.309	.176	.056	.295	.169	.054	.283	.163	.052	.272	.157	.051	
2.0	.296	.162	.050	.290	.160	.049	.278	.155	.048	.267	.150	.047	.257	.146	.046	
3.0	.274	.146	.044	.268	.144	.043	.258	.140	.042	.248	.136	.042	.239	.132	.041	
4.0	.252	.131	.039	.247	.129	.038	.238	.126	.038	.229	.123	.037	.222	.120	.037	
5.0	.233	.119	.034	.229	.117	.034	.220	.115	.034	.213	.112	.033	.206	.110	.033	
6.0	.216	.108	.031	.212	.107	.031	.205	.105	.031	.198	.103	.030	.191	.101	.030	
7.0	.201	.099	.028	.197	.098	.028	.191	.096	.028	.185	.095	.028	.179	.093	.027	
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.173	.088	.025	.168	.086	.025	
9.0	.175	.085	.024	.173	.084	.024	.167	.083	.023	.162	.081	.023	.158	.080	.023	
10.0	.165	.079	.022	.162	.078	.022	.158	.077	.022	.153	.076	.022	.149	.075	.021	

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	.053	.047	.020	.017	.015	
2.0	.173	.132	.098	.148	.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	.129	.079	.041	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.143	.083	.039	.123	.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	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.065	.026	.107	.057	.022	.074	.040	.016	.043	.023	.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:119.99V I:0.3658A P:43.428W PF:0.9893 Freq:60.00Hz Lamp Flux:5479.74x1 lm		
NAME: LED Luminaires	TYPE: LOC-24AJPL-MW(30/35/40)MCKSH135/44.00/150 Mg	
SPEC.: 45.0W 4950 lm	DIM.: L=1.21,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 1.155*0.545	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	16.3	17.9	16.6	18.1	18.3	15.8	17.4	16.1	17.6	17.8
3H	17.9	19.3	18.2	19.5	19.8	17.2	18.6	17.5	18.9	19.1
4H	18.5	19.8	18.8	20.1	20.3	17.7	19.0	18.0	19.3	19.6
6H	18.9	20.1	19.2	20.4	20.7	18.0	19.3	18.3	19.5	19.8
8H	19.0	20.2	19.3	20.5	20.8	18.0	19.3	18.4	19.6	19.9
12H	19.0	20.2	19.4	20.5	20.8	18.0	19.2	18.4	19.5	19.8
4H 2H	16.8	18.2	17.2	18.5	18.7	16.5	17.8	16.8	18.1	18.3
3H	18.6	19.7	18.9	20.0	20.3	18.0	19.2	18.3	19.5	19.8
4H	19.3	20.4	19.6	20.7	21.0	18.6	19.7	19.0	20.0	20.3
6H	19.8	20.8	20.2	21.1	21.5	19.0	19.9	19.4	20.3	20.7
8H	19.9	20.8	20.4	21.2	21.6	19.1	20.0	19.5	20.3	20.7
12H	20.0	20.9	20.5	21.2	21.6	19.1	19.9	19.5	20.3	20.7
8H 4H	19.4	20.3	19.9	20.7	21.1	18.8	19.7	19.2	20.1	20.5
6H	20.1	20.8	20.5	21.2	21.7	19.3	20.1	19.8	20.5	20.9
8H	20.3	21.0	20.8	21.4	21.9	19.5	20.1	19.9	20.6	21.0
12H	20.4	21.0	20.9	21.5	21.9	19.5	20.1	20.0	20.6	21.0
12H 4H	19.4	20.3	19.9	20.7	21.1	18.8	19.7	19.3	20.1	20.5
6H	20.1	20.8	20.6	21.2	21.6	19.4	20.0	19.8	20.5	20.9
8H	20.4	20.9	20.8	21.4	21.8	19.5	20.1	20.0	20.6	21.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 5480 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.9)  
Area: 0.629475 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:119.99V I:0.3658A P:43.428W PF:0.9893 Freq:60.00Hz Lamp Flux:5479.74x1 lm		
NAME: LED Luminaires	TYPE: LOC-24AJPL-MW(30/35/40)MCKSH135/44.0/150 1kg	
SPEC.: 45.0W 4950 lm	DIM.: L=1.21,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 1.155*0.545	Shielding Angle: N/A

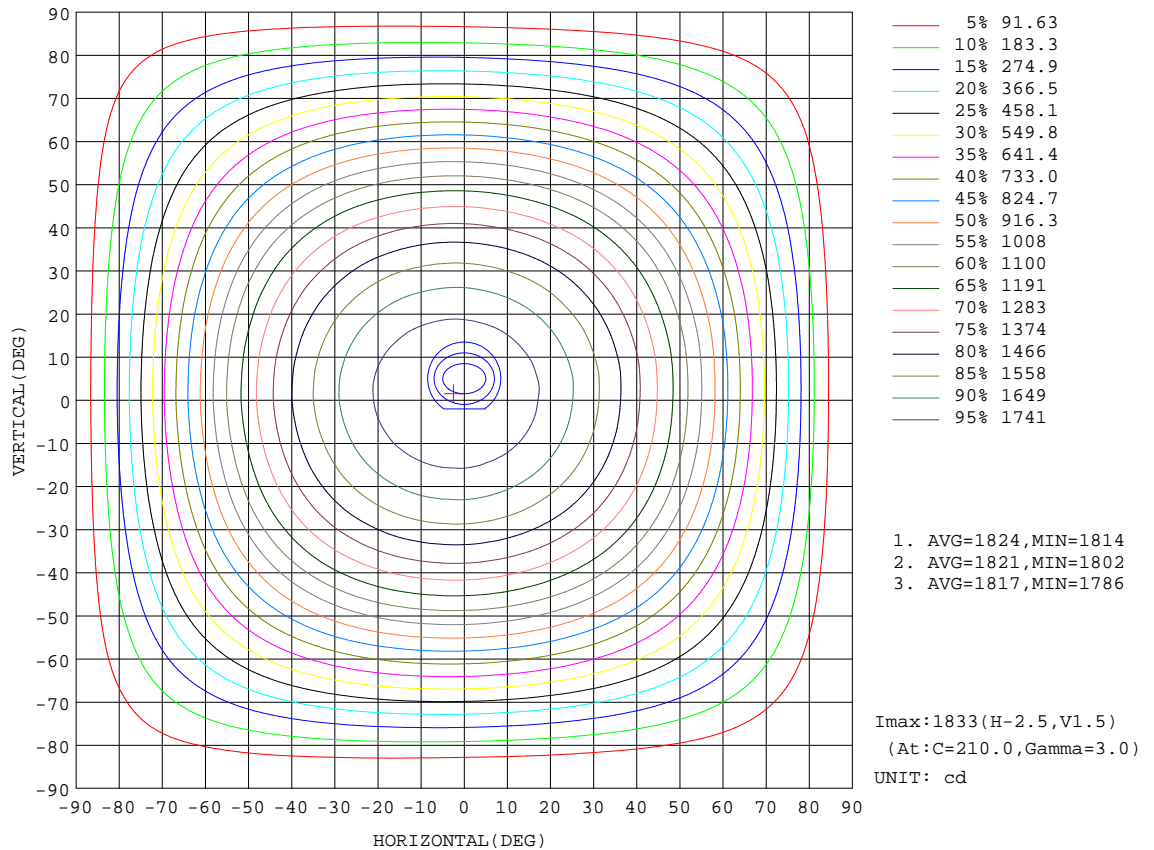
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	47	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	48
1.25	82	72	64	81	71	64	78	70	63	56
1.50	87	77	70	86	76	70	83	75	69	61
2.00	94	86	79	93	85	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	82	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	103	99	106	102	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:119.99V I:0.3658A P:43.428W PF:0.9893 Freq:60.00Hz Lamp Flux:5479.74x1 lm		
NAME: LED Luminaires	TYPE: LOC-24AJPL-MW(30/35/40)MCKSH135/44.0/150 Mg	
SPEC.: 45.0W 4950 lm	DIM.: L=1.21,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 1.155*0.545	Shielding Angle: N/A

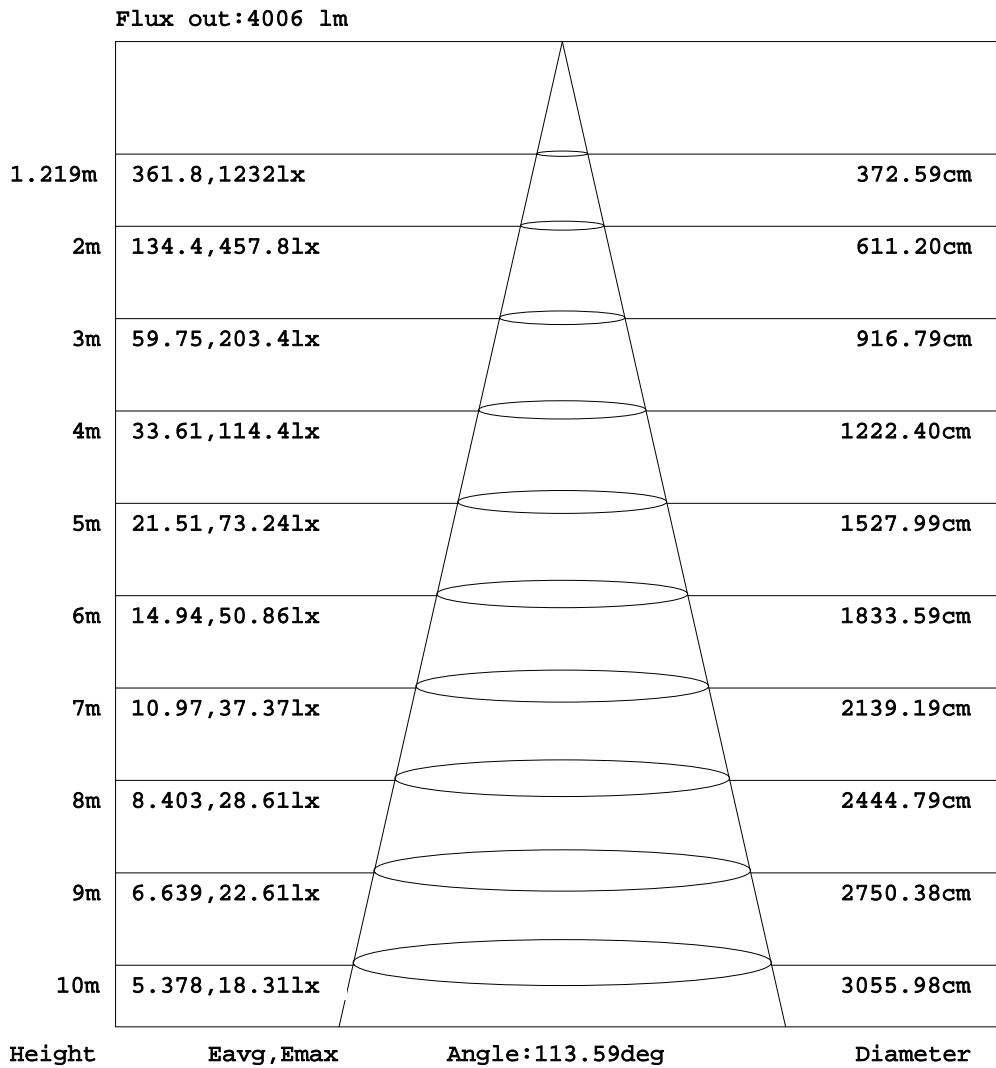


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 24.9DEG  
Operators: Jonathan  
Test Date: 2023-01-28

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:119.99V I:0.3658A P:43.428W PF:0.9893 Freq:60.00Hz Lamp Flux:5479.74x1 lm		
NAME: LED Luminaires	TYPE: LOC-24AJPL-MW(30/35/40)MCKT135/44.0/150 deg	
SPEC.: 45.0W 4950 lm	DIM.: L=1.21,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 1.155*0.545	Shielding Angle: N/A



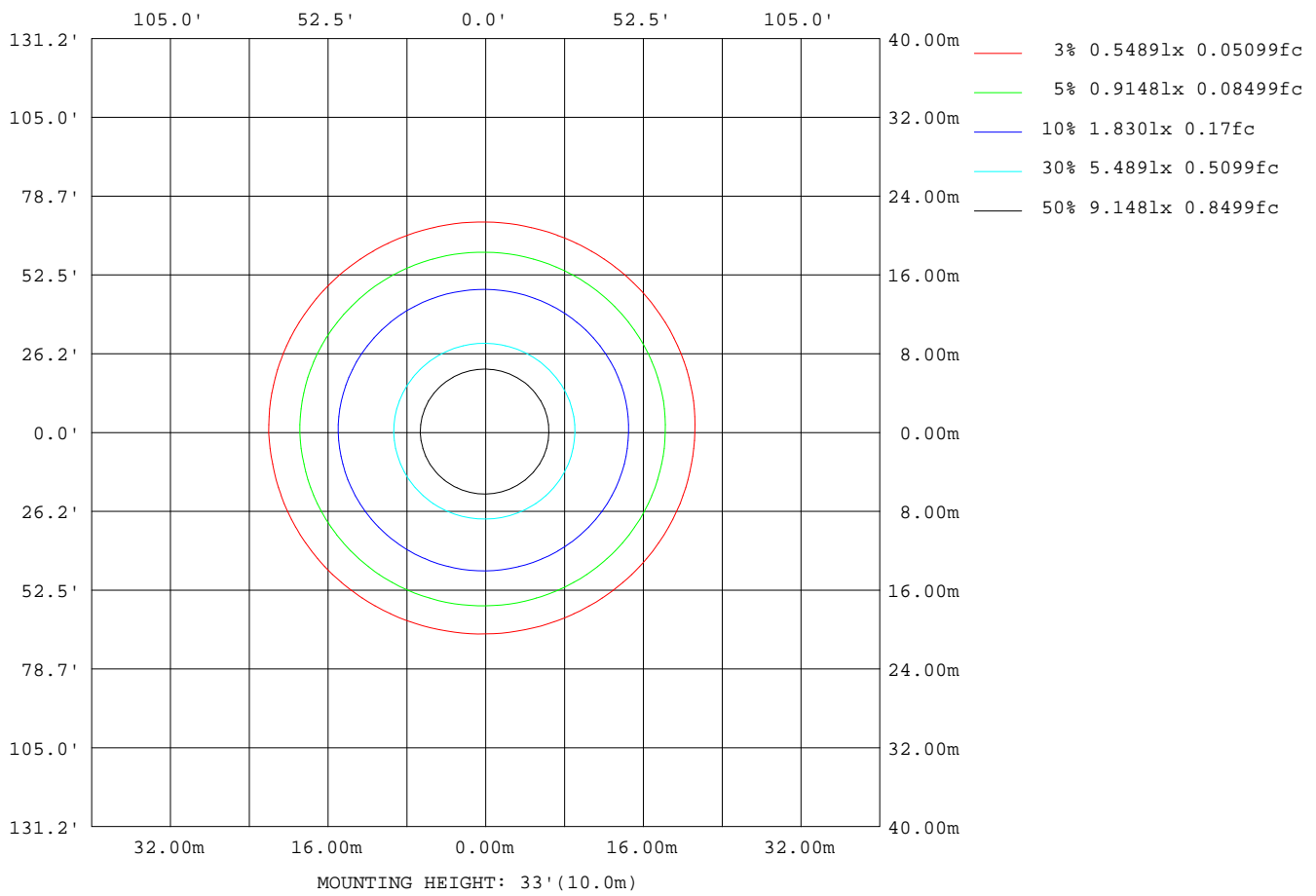
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.99V I:0.3658A P:43.428W PF:0.9893 Freq:60.00Hz Lamp Flux:5479.74x1 lm		
NAME: LED Luminaires	TYPE: LOC-24AJPL-MW(30/35/40)MCKSH135/44.0/150 1kg	
SPEC.: 45.0W 4950 lm	DIM.: L=1.21,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 1.155*0.545	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:119.99V I:0.3658A P:43.428W PF:0.9893 Freq:60.00Hz Lamp Flux:5479.74x1 lm		
NAME: LED Luminaires	TYPE: LOC-24AJPL-MW(30/35/40)MCKSH135/44.00/150	Model: 135/44.00/150
SPEC.: 45.0W 4950 lm	DIM.: L=1.21,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 1.155*0.545	Shielding Angle: N/A

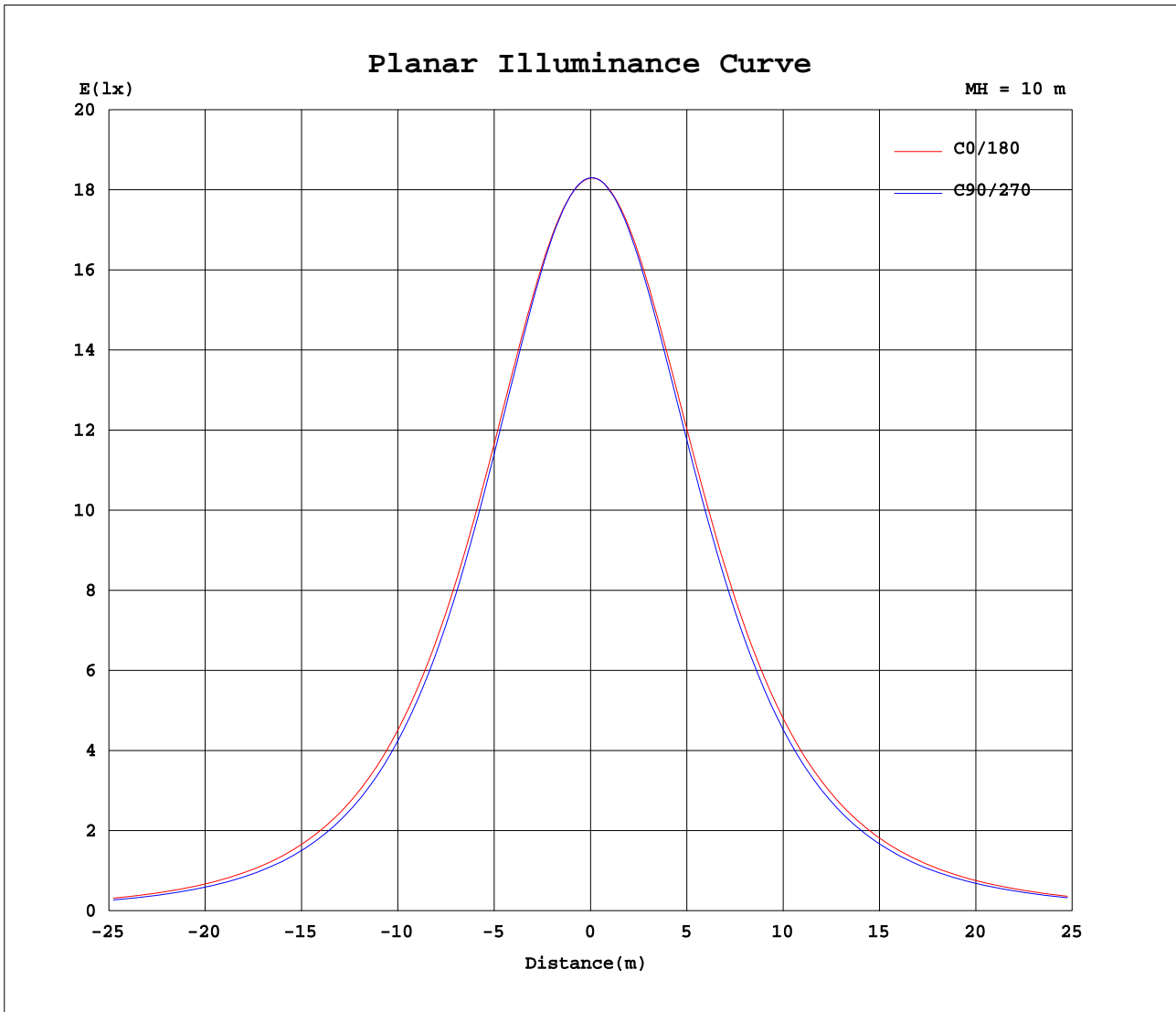
AvgL	cd/m2
L_0~180(65)av	2809
L_0~180(75)av	2545
L_0~180(85)av	1954
L_90~270(65)av	2496
L_90~270(75)av	2169
L_90~270(85)av	1584
L_45(65)av	2647
L_45(75)av	2349
L_45(85)av	1769

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:119.99V I:0.3658A P:43.428W PF:0.9893 Freq:60.00Hz Lamp Flux:5479.74x1 lm		
NAME: LED Luminaires	TYPE: LOC-24AJPL-MW(30/35/40)MCKSH135/44.00/150 Kg	
SPEC.: 45.0W 4950 lm	DIM.: L=1.21,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 1.155*0.545	Shielding Angle: N/A

Table--1

UNIT: cd

C( DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830
5	1819	1817	1818	1817	1817	1816	1816	1817	1818	1817	1817	1819	1821	1822	1824	1824	1827	1827	1828
10	1795	1794	1793	1791	1789	1789	1790	1788	1789	1790	1792	1795	1798	1801	1805	1807	1810	1813	1816
15	1760	1757	1754	1753	1749	1747	1746	1745	1748	1748	1750	1755	1760	1766	1771	1776	1780	1786	1790
20	1712	1708	1704	1700	1696	1692	1690	1688	1689	1691	1694	1700	1707	1715	1724	1731	1739	1746	1752
25	1652	1646	1641	1636	1628	1624	1620	1616	1616	1619	1624	1631	1640	1652	1664	1675	1685	1692	1700
30	1577	1571	1564	1557	1549	1540	1535	1531	1530	1534	1539	1548	1560	1575	1589	1603	1616	1625	1636
35	1490	1483	1475	1465	1455	1445	1438	1433	1432	1434	1441	1452	1467	1483	1502	1518	1533	1546	1558
40	1390	1382	1371	1361	1348	1336	1328	1322	1320	1322	1330	1342	1359	1379	1400	1419	1437	1451	1465
45	1276	1267	1256	1243	1229	1215	1206	1198	1197	1199	1208	1222	1239	1261	1284	1307	1327	1342	1359
50	1149	1139	1127	1113	1098	1083	1072	1064	1061	1064	1073	1089	1108	1131	1156	1180	1203	1219	1237
55	1009	998	986	970	955	939	928	920	917	920	929	945	965	989	1015	1041	1065	1082	1103
60	859	847	834	819	803	788	776	768	765	768	778	793	813	838	865	891	914	934	954
65	700	688	675	659	644	629	618	611	608	611	620	635	655	679	705	730	754	773	794
70	536	524	510	496	482	469	459	452	450	453	462	476	494	516	540	564	587	605	627
75	372	361	349	336	324	312	304	299	297	300	308	320	336	355	377	398	418	436	457
80	217	206	196	186	177	168	162	159	158	161	167	177	189	204	222	239	256	271	290
85	78.1	69.7	61.7	56.0	51.0	46.9	42.7	41.8	42.5	44.7	50.3	56.6	63.6	74.3	85.0	95.9	108	120	136
90	0.22	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	3.69	5.26	2.81	5.02	11.2	18.1
95	0.22	0.22	0.23	0.23	0.24	0.23	0.24	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.21	0.21	0.20	0.15
100	0.29	0.30	0.30	0.30	0.31	0.31	0.31	0.30	0.32	0.30	0.29	0.29	0.29	0.28	0.31	0.28	0.27	0.27	0.20
105	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.37	0.36	0.36	0.35	0.35	0.35	0.35	0.34	0.34	0.34	0.34	0.24
110	0.39	0.40	0.41	0.42	0.44	0.45	0.46	0.46	0.45	0.45	0.44	0.44	0.43	0.42	0.41	0.40	0.38	0.38	0.26
115	0.38	0.38	0.39	0.41	0.43	0.46	0.47	0.46	0.47	0.46	0.45	0.43	0.42	0.41	0.39	0.39	0.37	0.36	0.31
120	0.39	0.39	0.40	0.42	0.43	0.44	0.47	0.45	0.44	0.45	0.43	0.41	0.40	0.40	0.39	0.39	0.38	0.37	0.38
125	0.44	0.44	0.44	0.44	0.45	0.46	0.45	0.45	0.43	0.45	0.44	0.44	0.43	0.43	0.44	0.42	0.42	0.41	0.46
130	0.47	0.48	0.48	0.49	0.49	0.52	0.53	0.52	0.51	0.51	0.51	0.50	0.49	0.49	0.47	0.47	0.45	0.45	0.53
135	0.50	0.51	0.52	0.54	0.56	0.58	0.61	0.60	0.60	0.61	0.60	0.57	0.56	0.54	0.52	0.50	0.48	0.48	0.57
140	0.53	0.55	0.56	0.58	0.62	0.66	0.66	0.65	0.68	0.69	0.68	0.64	0.62	0.60	0.56	0.54	0.51	0.51	0.59
145	0.58	0.60	0.62	0.64	0.67	0.71	0.73	0.72	0.73	0.74	0.72	0.69	0.68	0.66	0.62	0.59	0.57	0.56	0.57
150	0.65	0.66	0.67	0.69	0.72	0.76	0.78	0.76	0.76	0.78	0.75	0.73	0.72	0.72	0.68	0.63	0.63	0.61	0.54
155	0.67	0.68	0.69	0.73	0.75	0.77	0.80	0.77	0.78	0.79	0.78	0.77	0.76	0.76	0.73	0.70	0.67	0.66	0.53
160	0.75	0.74	0.73	0.74	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.79	0.79	0.80	0.77	0.74	0.73	0.72	0.56
165	0.76	0.75	0.76	0.76	0.75	0.72	0.69	0.69	0.71	0.74	0.74	0.76	0.80	0.81	0.78	0.77	0.77	0.76	0.62
170	0.78	0.77	0.77	0.76	0.75	0.70	0.63	0.63	0.68	0.71	0.67	0.71	0.78	0.81	0.81	0.80	0.79	0.78	0.70
175	0.80	0.78	0.77	0.77	0.77	0.74	0.67	0.67	0.72	0.73	0.69	0.71	0.79	0.80	0.79	0.80	0.81	0.81	0.77
180	0.72	0.70	0.68	0.67	0.66	0.66	0.65	0.63	0.63	0.65	0.63	0.67	0.71	0.72	0.73	0.74	0.75	0.74	0.73

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:119.99V I:0.3658A P:43.428W PF:0.9893 Freq:60.00Hz		
Lamp Flux:5479.74x1 lm		
NAME: LED Luminaires	TYPE: LOC-24AJPL-MW(30/35/40)MCKSH135/440/150 40	
SPEC.: 45.0W 4950 lm	DIM.: L=1.21,W=0.605	SERIAL No.: N/A
MFR.: LED One Corporation	SUR.: 1.155*0.545	Shielding Angle: N/A

Table--2

UNIT: cd

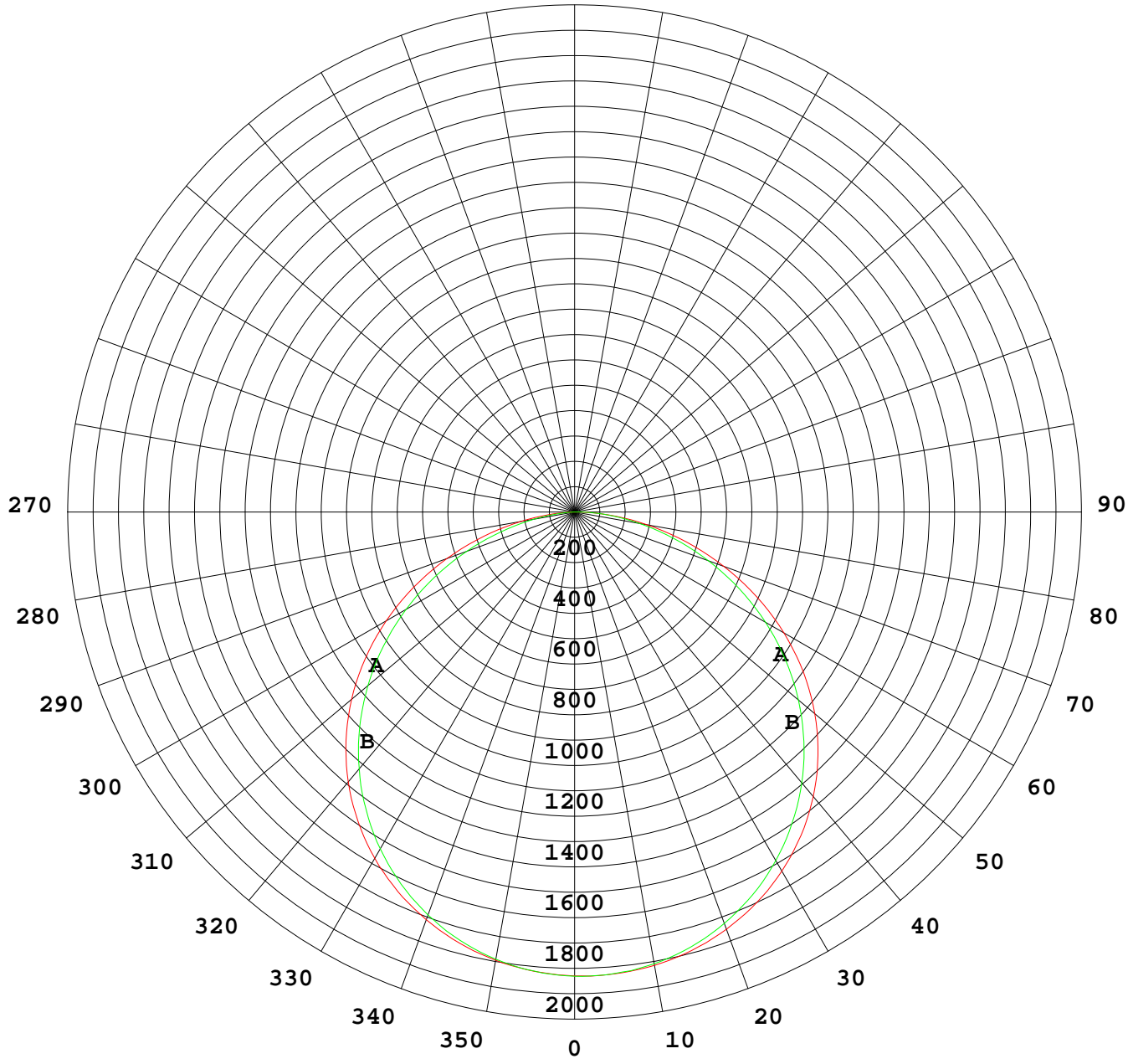
C(DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830		
5	1829	1830	1830	1830	1829	1830	1828	1829	1826	1825	1825	1824	1825	1823	1822	1821	1820		
10	1817	1817	1818	1816	1815	1814	1812	1811	1809	1807	1805	1803	1803	1803	1800	1800	1798		
15	1792	1791	1791	1788	1787	1785	1780	1779	1775	1772	1771	1770	1769	1768	1767	1765	1764		
20	1754	1753	1752	1747	1744	1740	1734	1731	1726	1723	1722	1721	1721	1721	1721	1719	1717		
25	1703	1702	1699	1693	1688	1681	1674	1669	1664	1660	1659	1658	1660	1659	1659	1659	1658		
30	1639	1637	1633	1625	1617	1609	1599	1593	1587	1582	1581	1582	1584	1584	1586	1586	1585		
35	1561	1558	1553	1544	1533	1523	1512	1504	1497	1493	1491	1493	1496	1497	1500	1500	1500		
40	1469	1466	1459	1448	1436	1424	1411	1402	1394	1389	1388	1390	1394	1397	1400	1401	1399		
45	1363	1360	1352	1340	1325	1312	1297	1287	1279	1275	1273	1274	1280	1283	1287	1289	1287		
50	1242	1239	1231	1217	1203	1188	1172	1161	1153	1147	1147	1148	1154	1158	1162	1163	1161		
55	1107	1104	1096	1081	1067	1052	1035	1024	1016	1011	1010	1011	1016	1020	1024	1025	1023		
60	960	957	949	936	920	905	890	878	869	865	863	865	869	873	876	876	873		
65	801	799	792	779	765	751	737	725	717	712	710	711	714	717	719	719	714		
70	634	634	628	618	605	592	580	569	561	556	554	554	556	557	558	556	551		
75	464	465	462	454	444	433	423	413	407	402	399	398	398	398	397	393	387		
80	298	301	300	295	288	281	273	266	260	256	253	250	249	246	243	238	232		
85	144	149	151	150	147	143	138	134	129	125	121	118	114	109	103	97.1	89.7		
90	21.1	24.1	27.1	31.9	32.4	32.1	31.0	33.0	25.7	23.2	20.5	17.5	7.33	3.51	0.55	0.16	0.13		
95	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.16	0.15	0.16	0.17		
100	0.20	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.20	0.20	0.20	0.21	0.21		
105	0.24	0.24	0.24	0.24	0.23	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.24	0.24	0.23	0.24	0.26		
110	0.26	0.26	0.27	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.28		
115	0.29	0.29	0.29	0.29	0.29	0.28	0.28	0.29	0.29	0.29	0.29	0.28	0.30	0.29	0.31	0.31	0.32		
120	0.35	0.33	0.33	0.33	0.32	0.31	0.31	0.32	0.32	0.32	0.31	0.32	0.33	0.34	0.35	0.37	0.40		
125	0.43	0.40	0.38	0.38	0.35	0.33	0.34	0.35	0.35	0.35	0.35	0.36	0.38	0.39	0.41	0.43	0.48		
130	0.51	0.48	0.45	0.43	0.41	0.39	0.38	0.38	0.37	0.37	0.39	0.41	0.43	0.44	0.47	0.51	0.54		
135	0.56	0.54	0.51	0.49	0.47	0.44	0.43	0.44	0.43	0.41	0.42	0.45	0.47	0.50	0.52	0.56	0.59		
140	0.58	0.56	0.55	0.54	0.53	0.49	0.48	0.49	0.47	0.45	0.46	0.48	0.51	0.53	0.56	0.61	0.62		
145	0.56	0.55	0.54	0.54	0.54	0.53	0.51	0.52	0.52	0.48	0.49	0.49	0.51	0.53	0.56	0.61	0.62		
150	0.53	0.52	0.51	0.51	0.52	0.50	0.49	0.50	0.49	0.47	0.48	0.49	0.50	0.51	0.54	0.58	0.59		
155	0.51	0.49	0.49	0.48	0.47	0.45	0.43	0.44	0.41	0.41	0.42	0.45	0.46	0.49	0.53	0.55	0.58		
160	0.55	0.53	0.51	0.50	0.48	0.44	0.41	0.40	0.39	0.39	0.41	0.43	0.47	0.52	0.55	0.58	0.60		
165	0.61	0.60	0.58	0.56	0.54	0.51	0.47	0.42	0.41	0.39	0.42	0.44	0.48	0.55	0.59	0.63	0.65		
170	0.69	0.67	0.65	0.64	0.63	0.61	0.56	0.50	0.49	0.50	0.49	0.49	0.53	0.61	0.66	0.70	0.72		
175	0.75	0.72	0.70	0.69	0.68	0.69	0.67	0.61	0.61	0.65	0.65	0.64	0.64	0.71	0.74	0.78	0.78		
180	0.73	0.71	0.68	0.68	0.67	0.67	0.66	0.63	0.64	0.66	0.64	0.67	0.71	0.72	0.73	0.74	0.75		

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:

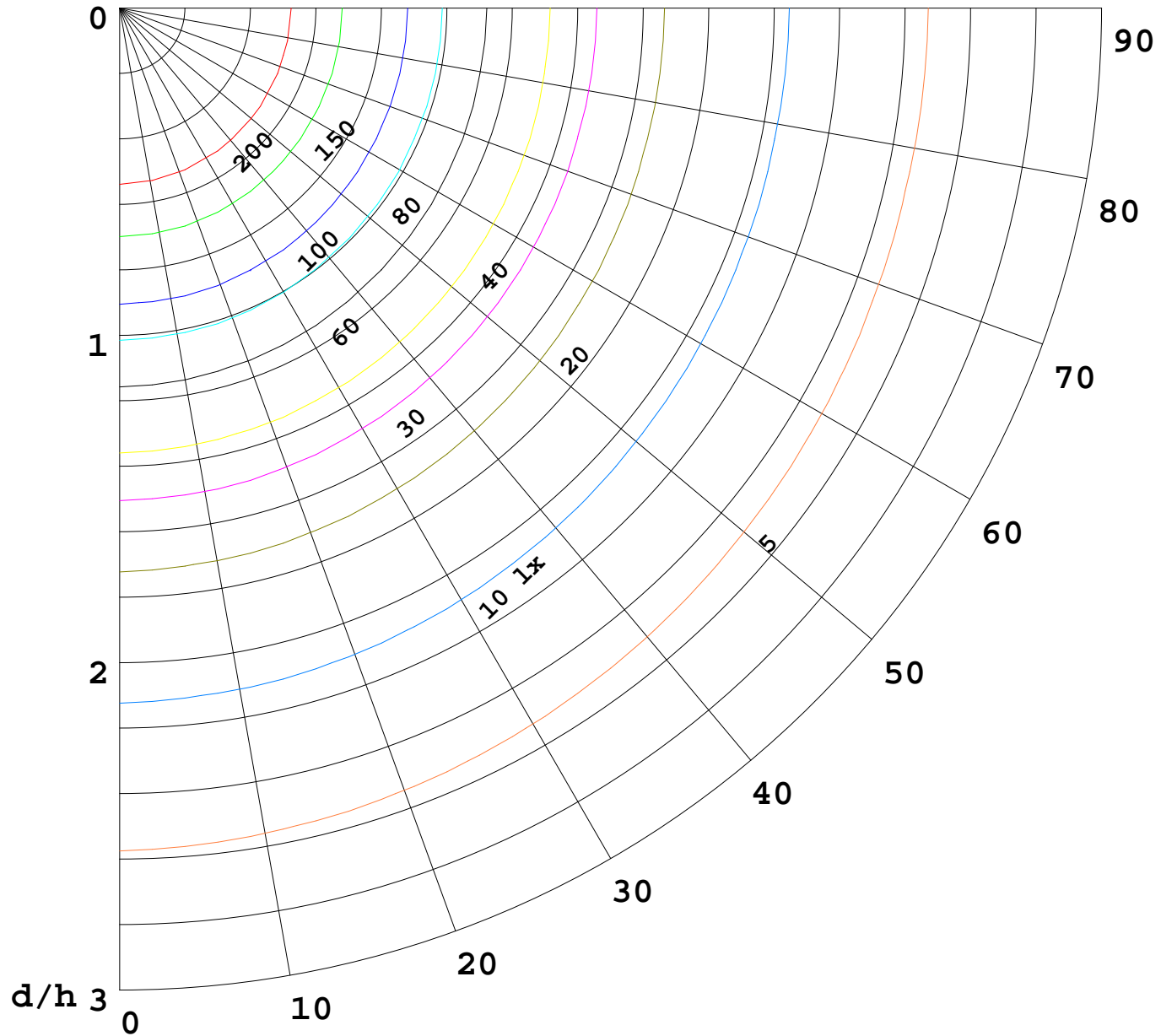


I(cd)



1000 lm

$K = 1$



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

	<b>Pcc</b>	<b>Pw</b>	<b>Pfc</b>
—————	70	50	30
—————	50	30	20

