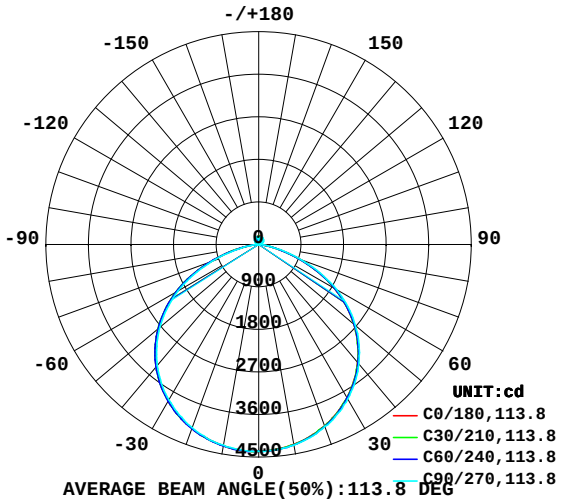
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.1V I:0.6914A P:82.70W PF:0.9956 Lamp Flux:12697.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETA	SUR.:	Shielding Angle:

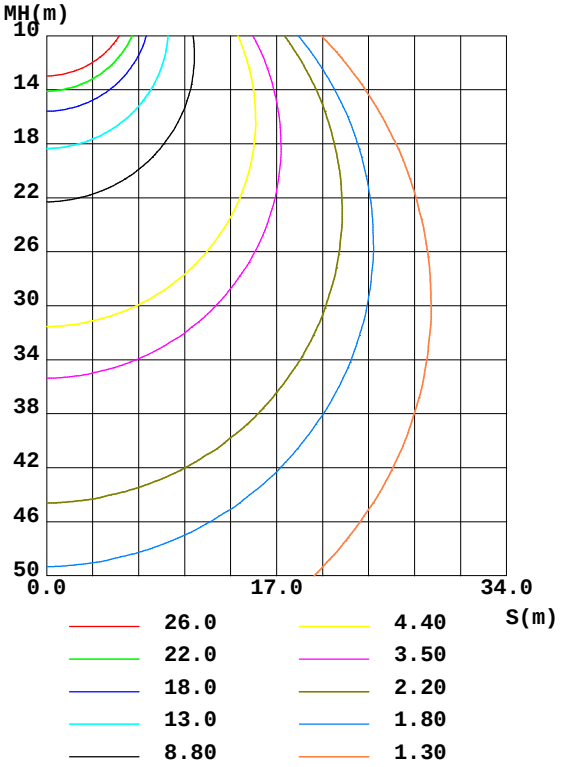
DATA OF LAMP		PHOTOMETRIC DATA Eff: 153.53 lm/W			
MODEL		Imax(cd)	4387	S/MH(C0/180)	1.30
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	12697	η UP,DN(C0-180)	1.7,47.6
NOMINAL FLUX(lm)	12697.1	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.7,48.9
LAMPS INSIDE	1	η up(%)	3.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	96.5	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):113.8 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:22.3DEG
Operators:JY
Test Date:25 September 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:40.4%
Test Distance:26.000m [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	4293	4303	4309	4314	4324	4328	4314	4305	0- 10	414.7	414.7	3.27,3.27
20	4085	4097	4097	4120	4139	4144	4119	4104	10- 20	1194	1609	12.7,12.7
30	3738	3749	3774	3796	3830	3835	3802	3772	20- 30	1829	3438	27.1,27.1
40	3259	3271	3295	3334	3374	3383	3341	3298	30- 40	2233	5671	44.7,44.7
50	2625	2641	2673	2723	2776	2782	2733	2680	40- 50	2335	8006	63.1,63.1
60	1851	1855	1901	1953	2020	2025	1970	1909	50- 60	2086	10092	79.5,79.5
70	938.2	917.9	958.3	1025	1091	1115	1060	995.4	60- 70	1462	11555	91,91
80	197.4	187.1	211.0	246.1	291.5	290.4	259.4	228.5	70- 80	624.2	12179	95.9,95.9
90	8.890	6.529	3.773	8.016	11.47	8.695	5.129	6.628	80- 90	79.05	12258	96.5,96.5
100	23.57	23.28	21.82	22.49	23.39	20.49	18.90	21.68	90-100	13.60	12272	96.6,96.6
110	40.52	46.27	53.55	47.31	41.45	46.23	50.16	45.06	100-110	34.74	12306	96.9,96.9
120	56.37	61.20	85.03	65.67	58.14	63.34	82.54	58.56	110-120	55.37	12362	97.4,97.4
130	70.13	80.35	109.4	80.13	73.00	83.43	111.7	77.56	120-130	68.63	12430	97.9,97.9
140	81.71	125.0	133.1	126.0	85.47	134.4	136.3	111.8	130-140	76.81	12507	98.5,98.5
150	94.93	148.2	151.2	150.6	103.6	156.5	156.5	155.4	140-150	81.75	12589	99.1,99.1
160	97.56	128.9	164.7	115.3	102.3	121.9	171.2	130.2	150-160	62.59	12652	99.6,99.6
170	100.9	120.5	130.8	102.6	106.1	103.0	142.4	126.0	160-170	34.77	12686	99.9,99.9
180	184.8	154.1	87.90	160.2	184.7	154.1	87.92	160.2	170-180	10.72	12697	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 6847.2 lm

%lum = 53.9%
%lamp = 53.9%

Conical surface Flux(120deg): 10092 lm

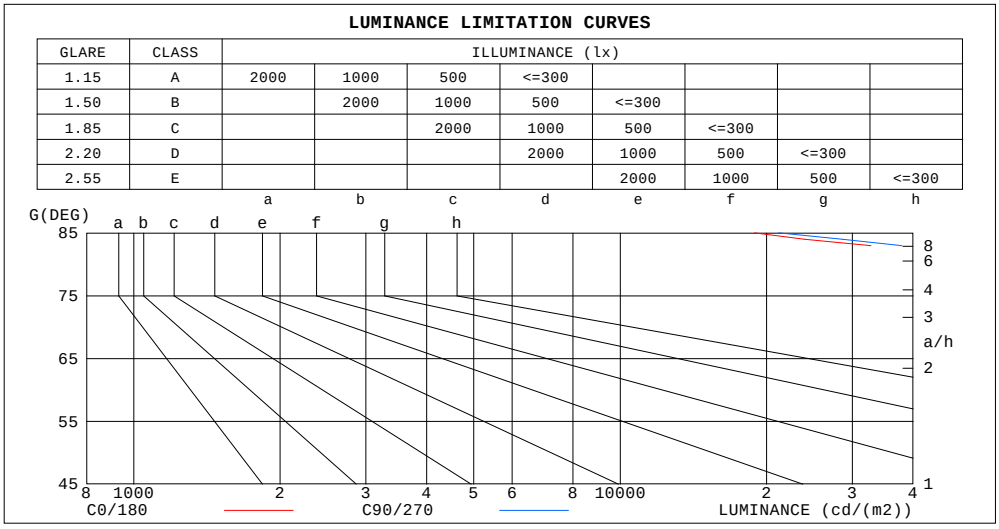
%lum = 79.5%
%lamp = 79.5%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:22.3DEG
Operators:JY
Test Date:25 September 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:40.4%
Test Distance:26.000m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.1V I:0.6914A P:82.70W PF:0.9956 Lamp Flux:12697.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETA	SUR.:	Shielding Angle:



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	18874	21174
80	63156	67511
75	108612	117050
70	152399	155659
65	183626	188748
60	205655	211277
55	219167	223623
50	226917	231049
45	232624	236480

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Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
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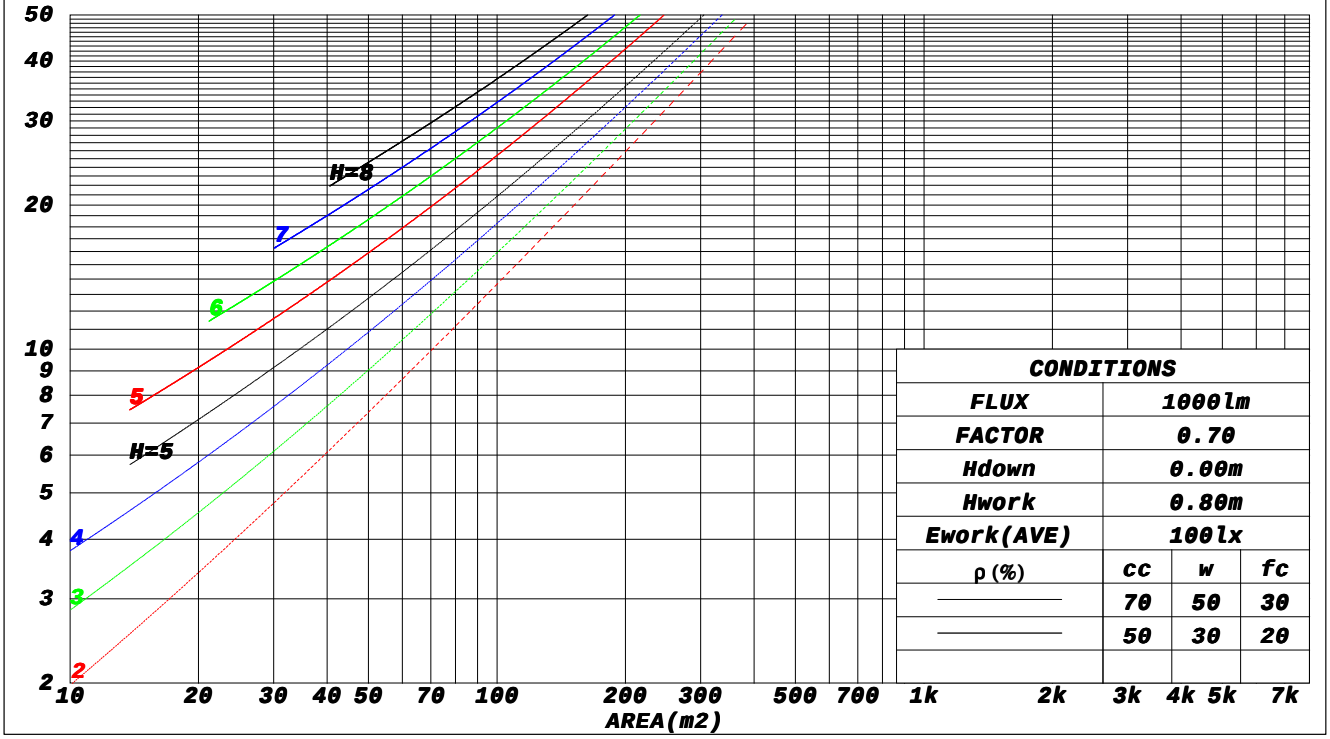
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.1V I:0.6914A P:82.70W PF:0.9956 Lamp Flux:12697.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETA	SUR.:	Shielding Angle:

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	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.04	1.00	.97	1.02	.98	.95	.97	.94	.91	.92	.90	.88	.88	.86	.85	.82
2.0	.91	.85	.79	.89	.83	.78	.85	.80	.76	.81	.77	.74	.78	.74	.71	.69
3.0	.80	.72	.66	.78	.71	.65	.75	.69	.64	.72	.67	.62	.69	.64	.61	.58
4.0	.71	.63	.56	.70	.62	.55	.67	.60	.54	.64	.58	.53	.61	.56	.52	.50
5.0	.64	.55	.48	.62	.54	.48	.60	.52	.47	.57	.51	.46	.55	.50	.45	.43
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.52	.45	.40	.50	.44	.40	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.36	.47	.41	.36	.46	.40	.35	.33
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.32	.43	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.30	.43	.35	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



CONDITIONS			
FLUX	1000lm		
FACTOR	0.70		
Hdown	0.00m		
Hwork	0.80m		
Ework(AVE)	100lx		
ρ(%)	cc	w	fc
———	70	50	30
———	50	30	20

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Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:40.4%
Test Distance:26.000m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.1V I:0.6914A P:82.70W PF:0.9956 Lamp Flux:12697.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETA	SUR.:	Shielding Angle:

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	.286	.163	.052	.278	.159	.050	.263	.151	.048	.249	.144	.046	.236	.137	.044	
2.0	.276	.151	.046	.269	.148	.046	.255	.142	.044	.243	.136	.043	.232	.131	.041	
3.0	.259	.138	.041	.252	.135	.041	.241	.130	.040	.230	.126	.039	.219	.121	.038	
4.0	.241	.125	.037	.235	.123	.036	.225	.119	.036	.215	.115	.035	.206	.112	.034	
5.0	.224	.114	.033	.219	.112	.033	.210	.109	.032	.201	.106	.031	.192	.103	.031	
6.0	.209	.105	.030	.204	.103	.030	.196	.100	.029	.188	.098	.029	.180	.095	.028	
7.0	.195	.096	.027	.191	.095	.027	.183	.093	.027	.176	.090	.026	.169	.088	.026	
8.0	.182	.089	.025	.179	.088	.025	.172	.086	.025	.165	.084	.024	.159	.082	.024	
9.0	.171	.083	.023	.168	.082	.023	.162	.080	.023	.156	.078	.022	.150	.076	.022	
10.0	.161	.077	.021	.158	.076	.021	.153	.075	.021	.147	.073	.021	.142	.071	.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	.217	.217	.217	.185	.185	.185	.126	.126	.126	.073	.073	.073	.023	.023	.023	
1.0	.205	.183	.163	.176	.157	.140	.120	.108	.097	.069	.062	.056	.022	.020	.018	
2.0	.197	.159	.127	.169	.137	.109	.116	.095	.076	.067	.055	.045	.021	.018	.015	
3.0	.189	.141	.103	.162	.122	.089	.111	.085	.062	.064	.049	.037	.021	.016	.012	
4.0	.182	.128	.087	.156	.110	.075	.107	.077	.053	.062	.045	.031	.020	.015	.010	
5.0	.175	.117	.075	.150	.102	.065	.103	.071	.046	.060	.042	.027	.019	.014	.009	
6.0	.168	.109	.067	.144	.094	.058	.099	.066	.041	.058	.039	.025	.019	.013	.008	
7.0	.161	.102	.061	.139	.089	.053	.096	.062	.038	.056	.037	.022	.018	.012	.007	
8.0	.155	.097	.056	.133	.084	.049	.092	.059	.035	.054	.035	.021	.017	.011	.007	
9.0	.149	.092	.053	.128	.080	.046	.089	.056	.033	.052	.033	.020	.017	.011	.006	
10.0	.143	.087	.050	.124	.076	.044	.086	.053	.031	.050	.032	.019	.016	.010	.006	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:22.3DEG
Operators:JY
Test Date:25 September 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:40.4%
Test Distance:26.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.1V I:0.6914A P:82.70W PF:0.9956 Lamp Flux:12697.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETA	SUR.:	Shielding Angle:

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	31.4	32.8	31.7	33.1	33.3	31.5	32.9	31.8	33.2	33.4
	3H	32.4	33.8	32.8	34.1	34.4	32.5	33.9	32.9	34.2	34.5
	4H	32.7	33.9	33.0	34.3	34.6	32.8	34.1	33.2	34.4	34.7
	6H	32.7	33.9	33.1	34.2	34.6	32.9	34.1	33.3	34.4	34.7
	8H	32.7	33.8	33.1	34.2	34.5	32.9	34.0	33.2	34.3	34.7
	12H	32.7	33.7	33.1	34.1	34.5	32.8	33.9	33.2	34.2	34.6
4H	2H	31.9	33.1	32.2	33.4	33.7	31.9	33.2	32.3	33.5	33.8
	3H	33.0	34.1	33.4	34.5	34.9	33.1	34.2	33.5	34.6	35.0
	4H	33.4	34.3	33.8	34.7	35.1	33.5	34.5	33.9	34.8	35.2
	6H	33.5	34.3	33.9	34.7	35.2	33.6	34.5	34.0	34.9	35.3
	8H	33.4	34.2	33.9	34.7	35.1	33.6	34.4	34.0	34.8	35.3
	12H	33.4	34.1	33.9	34.6	35.1	33.5	34.3	34.0	34.7	35.2
8H	4H	33.4	34.2	33.9	34.7	35.1	33.5	34.3	34.0	34.8	35.2
	6H	33.6	34.2	34.1	34.7	35.2	33.7	34.3	34.2	34.8	35.3
	8H	33.6	34.1	34.1	34.6	35.1	33.7	34.3	34.2	34.8	35.3
	12H	33.5	34.0	34.1	34.5	35.1	33.7	34.2	34.2	34.7	35.2
12H	4H	33.4	34.1	33.9	34.6	35.0	33.5	34.2	34.0	34.7	35.2
	6H	33.5	34.1	34.0	34.6	35.1	33.7	34.2	34.2	34.7	35.3
	8H	33.5	34.0	34.1	34.5	35.1	33.7	34.2	34.2	34.7	35.2
Variations with the observer position at spacings:											
S = 1.0H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H		+ 0.2 / - 0.5					+ 0.2 / - 0.4				
2.0H		+ 0.4 / - 0.4					+ 0.4 / - 0.5				

CIE Pub.117 Corrected 12697 lm Total Lamp Luminous Flux.(8log(F/F0) = 8.8)

C Range: 0 - 360DEG
C Interval: 22.5DEG
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Operators:JY
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:40.4%
Test Distance:26.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.1V I:0.6914A P:82.70W PF:0.9956 Lamp Flux:12697.1x1 lm		
NAME:	TYPE:	WEIGHT:
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MFR.: ETA	SUR.:	Shielding Angle:

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	46	39	56	45	39	55	45	38	32
0.80	68	56	49	66	56	49	64	55	48	41
1.00	76	65	58	75	65	58	72	66	57	50
1.25	83	73	66	82	72	66	79	71	65	57
1.50	88	79	72	86	78	71	83	76	70	62
2.00	95	87	81	93	86	80	89	83	78	70
2.50	99	92	86	97	90	85	92	87	82	74
3.00	102	96	91	100	94	89	95	91	87	77
4.00	106	101	96	104	99	95	99	95	92	82
5.00	109	104	100	106	102	98	101	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

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Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:40.4%
Test Distance:26.000m [K=1.0000]
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ISOCANDELA DIAGRAM

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NAME:	TYPE:	WEIGHT:
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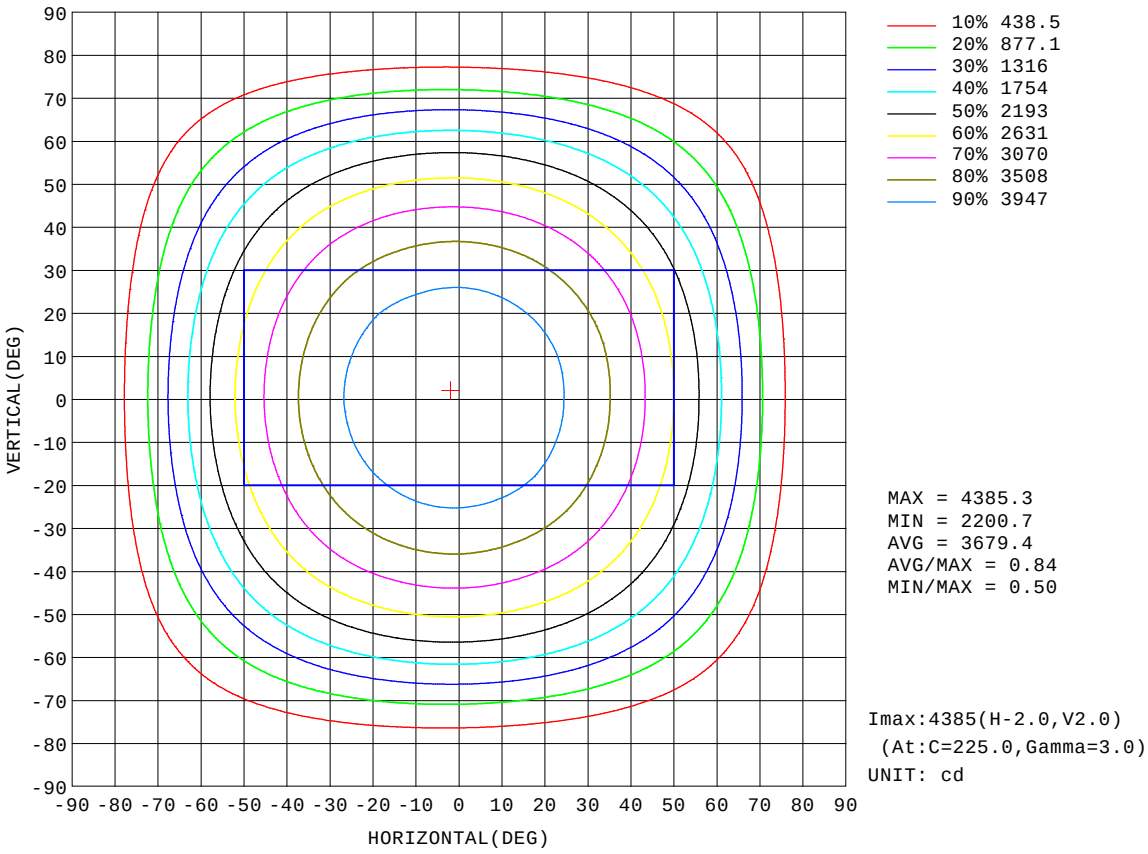

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AAI Figure

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NAME:	TYPE:	WEIGHT:
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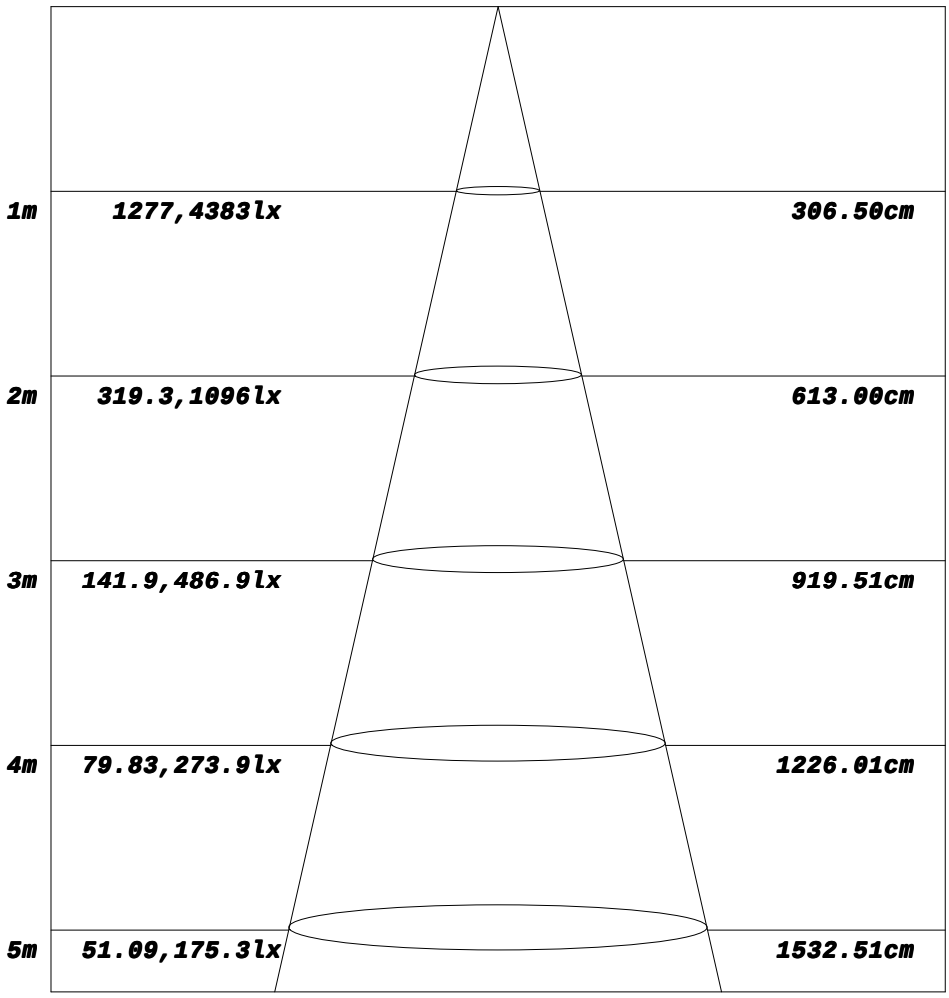
Flux out:9515 lm



Height ***Eavg,Emax*** ***Angle:113.75deg*** ***Diameter***

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

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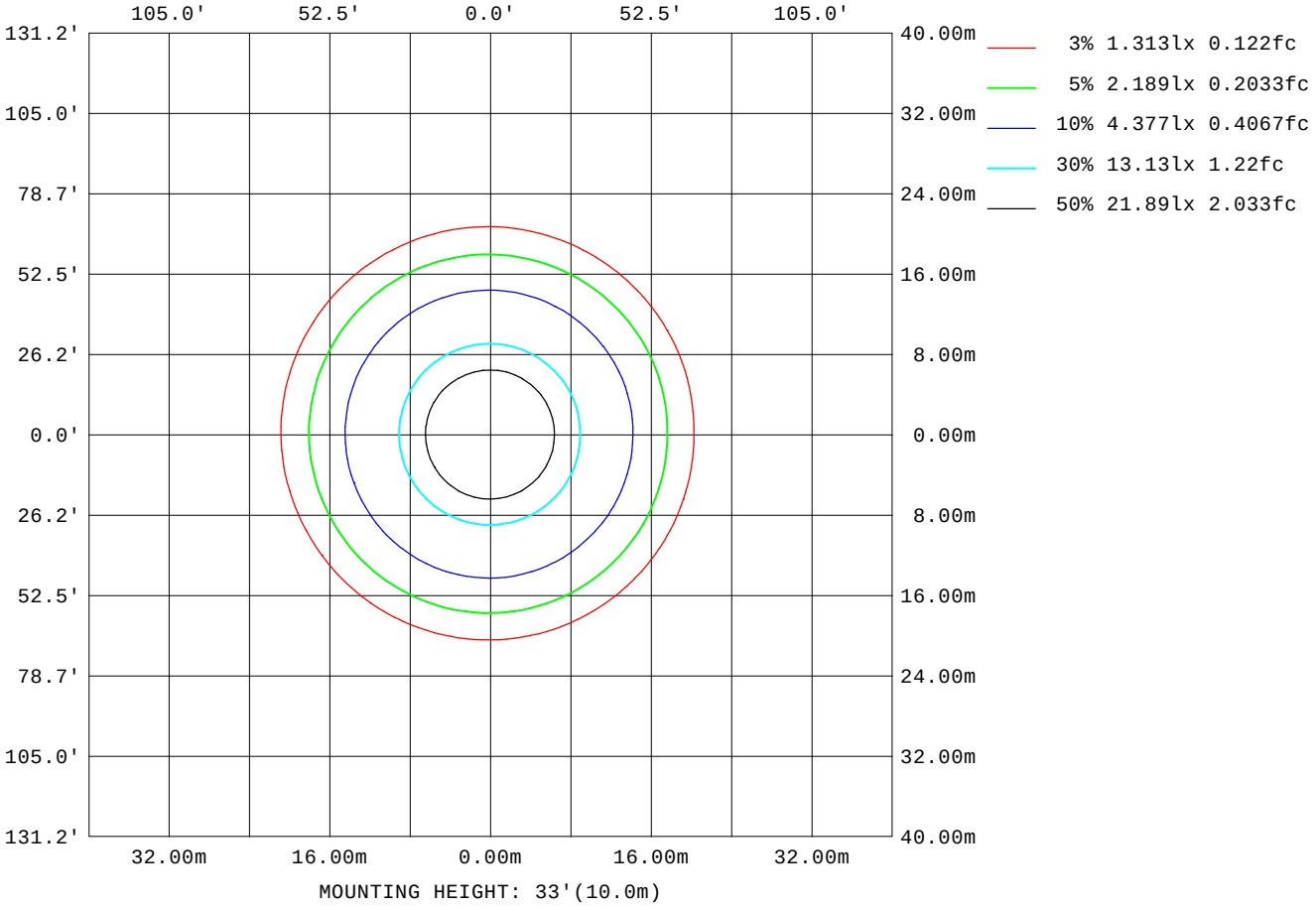
Remarks:

ISOLUX DIAGRAM

Test:U:120.1V I:0.6914A P:82.70W PF:0.9956 Lamp Flux:12697.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:22.3DEG
Operators:JY
Test Date:25 September 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:40.4%
Test Distance:26.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.1V I:0.6914A P:82.70W PF:0.9956 Lamp Flux:12697.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETA	SUR.:	Shielding Angle:

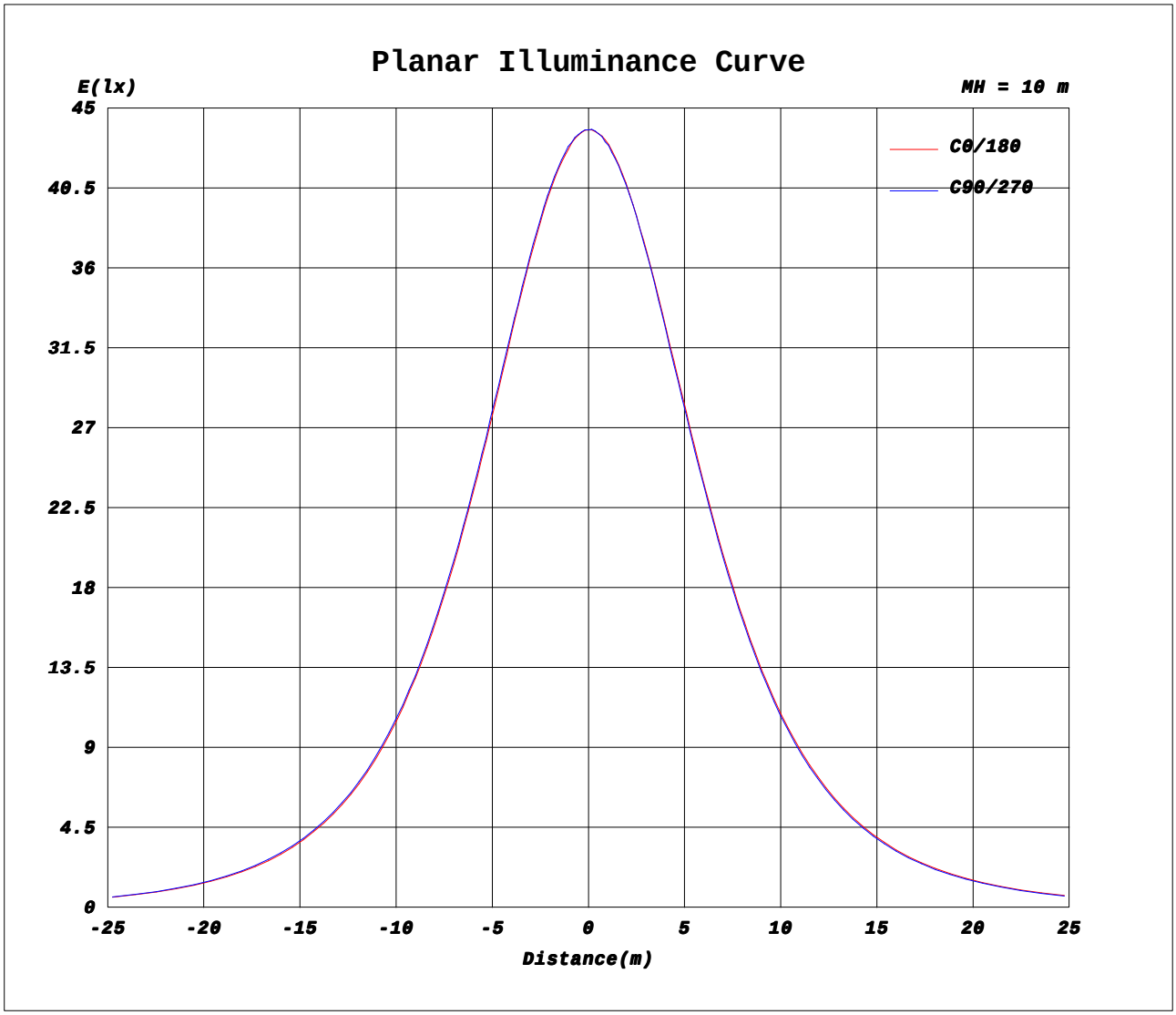
AvgL	cd/m2
L_0~180(65)av	195202
L_0~180(75)av	124808
L_0~180(85)av	29907
L_90~270(65)av	194503
L_90~270(75)av	123846
L_90~270(85)av	26300
L_45(65)av	194994
L_45(75)av	123408
L_45(85)av	28524

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:22.3DEG
Operators:JY
Test Date:25 September 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:40.4%
Test Distance:26.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:22.3DEG
Operators:JY
Test Date:25 September 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:40.4%
Test Distance:26.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.1V I:0.6914A P:82.70W PF:0.9956 Lamp Flux:12697.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETA	SUR.:	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	4377	4377	4377	4377	4377	4377	4377	4377	4377	4377	4377	4377	4377	4377	4377	4377			
5	4353	4349	4361	4361	4356	4356	4357	4375	4371	4367	4371	4363	4360	4359	4357	4356			
10	4293	4298	4303	4297	4309	4310	4314	4317	4324	4326	4328	4321	4314	4314	4305	4302			
15	4205	4208	4217	4213	4225	4230	4236	4240	4243	4252	4254	4239	4241	4227	4227	4213			
20	4085	4087	4097	4093	4097	4120	4120	4129	4139	4137	4144	4134	4119	4116	4104	4102			
25	3924	3930	3944	3944	3953	3966	3972	3989	4001	4007	4001	3987	3982	3960	3952	3944			
30	3738	3744	3749	3760	3774	3790	3796	3819	3830	3828	3835	3806	3802	3783	3772	3768			
35	3516	3517	3530	3534	3556	3564	3586	3602	3618	3623	3623	3592	3587	3577	3553	3546			
40	3259	3261	3271	3277	3295	3311	3334	3347	3374	3381	3383	3357	3341	3320	3298	3288			
45	2961	2956	2972	2985	3010	3027	3052	3068	3090	3103	3101	3078	3049	3027	3008	2993			
50	2625	2631	2641	2650	2673	2700	2723	2744	2776	2783	2782	2756	2733	2707	2680	2664			
55	2263	2259	2269	2284	2309	2337	2365	2379	2418	2429	2423	2399	2369	2338	2313	2295			
60	1851	1847	1855	1876	1901	1926	1953	1978	2020	2033	2025	2002	1970	1937	1909	1891			
65	1397	1392	1397	1415	1436	1463	1493	1525	1573	1587	1581	1551	1523	1487	1462	1441			
70	938	922	918	932	958	992	1025	1055	1091	1108	1115	1095	1060	1027	995	970			
75	506	496	502	517	545	572	590	617	657	666	649	634	609	587	558	539			
80	197	189	187	195	211	231	246	268	292	294	290	274	259	247	229	211			
85	29.6	27.7	27.7	29.1	33.2	40.7	49.7	56.2	64.2	66.7	64.5	58.6	49.3	42.8	37.0	34.3			
90	8.89	8.32	6.53	4.19	3.77	5.57	8.02	10.2	11.5	10.8	8.69	6.36	5.13	5.47	6.63	8.31			
95	15.3	14.8	12.8	10.4	9.16	10.1	12.4	14.2	14.5	13.1	10.4	7.89	7.21	8.71	11.4	14.0			
100	23.6	23.6	23.3	23.1	21.8	22.3	22.5	23.3	23.4	22.2	20.5	19.5	18.9	20.2	21.7	22.8			
105	32.1	33.1	35.4	35.4	37.3	36.8	34.6	33.0	32.4	31.7	33.0	33.7	34.0	34.2	33.5	32.9			
110	40.5	42.8	46.3	35.5	53.6	36.8	47.3	42.8	41.4	41.8	46.2	34.9	50.2	34.1	45.1	42.3			
115	48.6	52.5	59.2	58.6	69.5	58.2	61.6	52.6	50.0	52.5	60.7	58.7	66.6	56.4	56.3	51.3			
120	56.4	60.5	61.2	73.0	85.0	76.9	65.7	62.1	58.1	62.4	63.3	75.0	82.5	73.3	58.6	59.6			
125	63.5	67.9	58.7	88.2	100	99.0	61.4	71.1	66.0	69.8	59.8	98.1	97.8	94.9	58.3	66.9			
130	70.1	70.2	80.4	87.9	109	105	80.1	74.3	73.0	73.8	83.4	112	112	110	77.6	70.2			
135	76.1	74.5	104	96.7	122	120	101	77.4	79.6	77.5	113	125	124	124	99.9	75.3			
140	81.7	92.6	125	112	133	133	126	89.4	85.5	99.7	134	137	136	137	112	92.6			
145	108	121	139	126	143	143	142	129	106	131	148	147	147	148	146	103			
150	94.9	125	148	141	151	152	151	129	104	133	157	157	157	157	155	120			
155	93.9	109	137	151	158	158	134	113	98.8	115	142	164	164	164	139	110			
160	97.6	100	129	150	165	141	115	101	102	101	122	151	171	160	130	101			
165	99.7	102	127	152	150	121	101	103	105	103	103	130	161	162	131	102			
170	101	101	121	139	131	104	103	105	106	105	103	111	142	152	126	102			
175	99.9	100	103	104	107	102	103	105	105	105	104	102	119	120	113	100			
180	185	185	154	105	87.9	117	160	185	185	184	154	105	87.9	117	160	185			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:22.3DEG
Operators:JY
Test Date:25 September 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:40.4%
Test Distance:26.000m [K=1.0000]
Remarks:

Photometric Data Table [cd]

G/C	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	4377	4377	4377	4377	4377	4377	4377	4377	4377	4377
3.0	4366	4367	4374	4368	4369	4369	4373	4376	4374	4377
6.0	4337	4345	4353	4348	4355	4353	4355	4363	4366	4365
9.0	4308	4306	4318	4319	4318	4326	4328	4334	4337	4331
12.0	4263	4263	4271	4271	4282	4285	4286	4294	4296	4302
15.0	4205	4208	4217	4213	4225	4230	4236	4240	4243	4252
18.0	4137	4125	4148	4147	4154	4163	4173	4184	4188	4191
21.0	4057	4054	4068	4069	4082	4090	4099	4107	4115	4116
24.0	3962	3965	3978	3974	3991	4000	4008	4021	4035	4036
27.0	3851	3858	3869	3873	3891	3896	3910	3920	3940	3938
30.0	3738	3744	3749	3760	3774	3790	3796	3819	3830	3828
33.0	3614	3613	3620	3624	3647	3661	3675	3690	3706	3710
36.0	3466	3470	3479	3485	3509	3524	3540	3553	3576	3575
39.0	3312	3315	3323	3329	3351	3367	3391	3409	3431	3433
42.0	3147	3149	3156	3165	3178	3203	3224	3246	3265	3272
45.0	2961	2956	2972	2985	3010	3027	3052	3068	3090	3103
48.0	2764	2765	2779	2786	2816	2832	2858	2879	2907	2914
51.0	2559	2558	2571	2581	2601	2622	2653	2669	2708	2718
54.0	2342	2337	2341	2362	2387	2411	2442	2455	2492	2499
57.0	2101	2103	2107	2124	2153	2179	2207	2224	2269	2274
60.0	1851	1847	1855	1876	1901	1926	1953	1978	2020	2033
63.0	1580	1578	1585	1604	1625	1651	1685	1711	1760	1770
66.0	1303	1296	1299	1317	1341	1366	1400	1429	1475	1487
69.0	1026	1017	1010	1024	1050	1083	1114	1148	1186	1198
72.0	751.3	738.9	735.9	755.0	784.3	818.1	843.9	868.0	910.9	923.6
75.0	506.0	496.4	501.9	517.3	545.3	572.1	590.5	617.3	656.9	665.9
78.0	305.6	297.9	300.8	307.1	330.0	352.2	376.4	394.2	424.2	430.4
81.0	143.3	138.2	138.5	151.6	161.1	180.3	196.7	214.1	229.6	236.5
84.0	45.04	43.57	43.86	47.51	53.86	65.54	75.32	83.11	93.47	95.65
87.0	14.46	13.45	11.97	11.18	12.59	15.54	19.60	22.88	27.08	27.41
90.0	8.890	8.323	6.529	4.193	3.773	5.567	8.016	10.19	11.47	10.77
93.0	12.11	11.66	9.554	6.860	5.584	6.864	9.079	10.83	11.08	9.888
96.0	16.93	16.44	14.52	12.41	11.28	12.00	14.04	15.84	16.15	14.83
99.0	22.06	21.73	20.94	20.21	18.98	19.38	20.13	21.45	21.56	20.23
102.0	27.17	27.51	28.28	28.48	27.79	28.22	27.32	27.23	27.05	26.15
105.0	32.10	33.09	35.42	35.43	37.26	36.84	34.63	32.96	32.43	31.73
108.0	37.11	38.78	42.12	31.75	46.99	33.90	42.22	38.79	37.75	37.98
111.0	42.11	44.72	48.53	37.51	56.84	38.76	49.88	44.79	43.09	43.59
114.0	47.00	50.71	56.64	52.54	66.26	51.44	58.56	50.68	48.25	50.11
117.0	51.80	55.90	63.30	65.76	75.81	67.77	67.05	56.42	53.17	57.07
120.0	56.37	60.45	61.20	73.05	85.03	76.91	65.67	62.09	58.14	62.41
123.0	60.50	65.25	58.96	83.09	94.48	89.66	64.07	67.48	62.99	66.60
126.0	64.61	68.72	60.40	89.93	103.1	102.6	61.56	72.44	67.39	70.85
129.0	68.64	70.05	76.41	91.21	108.0	105.1	74.06	74.11	71.60	74.22
132.0	72.54	71.42	87.97	86.67	114.4	108.9	88.23	74.47	75.86	74.41
135.0	76.13	74.54	103.7	96.71	121.9	119.9	101.0	77.41	79.57	77.52
138.0	79.57	81.84	118.4	106.8	128.7	128.4	117.8	82.39	83.17	86.94
141.0	82.81	102.7	127.7	114.6	135.3	135.4	129.4	96.00	86.59	109.0
144.0	98.35	122.3	136.6	122.6	141.1	141.5	139.5	124.4	96.19	129.7
147.0	109.2	122.1	144.1	132.3	146.3	147.2	146.7	135.1	120.7	130.0
150.0	94.93	125.2	148.2	141.1	151.2	152.1	150.6	129.0	103.6	133.0
153.0	93.51	121.2	148.3	149.0	155.6	156.8	147.2	125.5	102.2	128.6
156.0	94.56	104.6	134.0	151.6	159.5	156.3	129.5	108.0	99.50	109.7
159.0	96.99	99.80	129.3	149.5	163.7	146.0	119.5	101.6	101.6	101.7
162.0	98.50	100.9	128.7	151.1	162.2	133.2	107.2	102.0	103.5	101.8
165.0	99.74	101.6	127.1	152.3	150.3	120.6	100.9	103.3	104.7	103.4
168.0	100.3	101.8	124.9	149.4	138.4	109.2	101.6	104.3	105.4	104.3
171.0	101.0	101.1	118.0	132.4	126.9	102.0	102.9	105.3	106.2	105.4
174.0	100.4	100.5	111.7	114.5	113.9	101.9	103.3	105.3	105.3	105.1
177.0	137.0	127.2	94.61	84.22	85.54	102.1	105.8	129.9	159.0	137.0
180.0	184.8	184.5	154.1	104.9	87.90	117.0	160.2	185.2	184.7	184.3

G/C	225.0	247.5	270.0	292.5	315.0	337.5
0.0	4377	4377	4377	4377	4377	4377
3.0	4387	4375	4374	4371	4367	4374
6.0	4369	4360	4360	4348	4347	4348
9.0	4340	4327	4331	4319	4316	4318
12.0	4302	4293	4290	4284	4272	4276
15.0	4254	4239	4241	4227	4227	4213
18.0	4194	4179	4179	4166	4154	4150
21.0	4118	4106	4099	4088	4082	4074
24.0	4037	4016	4006	3992	3986	3982
27.0	3945	3918	3911	3899	3885	3880
30.0	3835	3806	3802	3783	3772	3768

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:22.3DEG
Operators:JY
Test Date:25 September 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:40.4%
Test Distance:26.000m [K=1.0000]
Remarks:

Photometric Data Table [cd]

33.0	3714	3684	3680	3660	3647	3635
36.0	3583	3552	3537	3527	3508	3497
39.0	3434	3403	3392	3360	3356	3343
42.0	3279	3246	3230	3209	3186	3172
45.0	3101	3078	3049	3027	3008	2993
48.0	2916	2886	2865	2839	2816	2797
51.0	2714	2684	2662	2635	2608	2591
54.0	2499	2475	2445	2415	2391	2372
57.0	2268	2246	2218	2185	2157	2137
60.0	2025	2002	1970	1937	1909	1891
63.0	1762	1737	1707	1674	1644	1623
66.0	1486	1460	1433	1398	1366	1344
69.0	1208	1189	1152	1119	1087	1064
72.0	922.7	906.9	871.1	840.1	810.5	787.6
75.0	649.5	634.0	608.6	586.6	557.8	539.4
78.0	415.2	396.8	378.4	359.9	341.6	328.1
81.0	233.1	220.7	205.1	193.1	175.0	156.7
84.0	94.05	87.41	75.79	67.84	59.12	53.40
87.0	26.54	23.32	19.77	16.67	15.06	15.40
90.0	8.695	6.357	5.129	5.472	6.628	8.309
93.0	7.447	4.842	4.203	5.601	8.303	10.84
96.0	12.14	9.716	9.096	10.56	13.15	15.73
99.0	18.24	16.76	16.19	17.43	19.39	20.98
102.0	25.28	25.16	24.70	25.94	26.41	26.87
105.0	33.00	33.70	33.96	34.20	33.47	32.85
108.0	40.69	31.03	43.62	30.75	40.52	38.52
111.0	49.00	37.06	53.47	35.86	47.12	43.63
114.0	57.19	53.69	63.33	50.65	54.11	49.40
117.0	64.86	65.56	73.02	64.18	59.74	54.76
120.0	63.34	75.01	82.54	73.26	58.56	59.64
123.0	62.32	89.93	91.84	86.70	59.09	64.14
126.0	60.90	101.2	100.7	98.49	59.25	67.89
129.0	77.75	109.1	109.0	107.1	72.73	69.76
132.0	92.22	117.0	116.8	115.2	86.14	71.58
135.0	113.4	124.8	124.4	123.9	99.91	75.33
138.0	127.8	132.1	131.8	132.8	105.9	83.85
141.0	137.2	138.9	138.5	139.5	118.4	96.24
144.0	145.3	145.4	144.9	145.6	141.6	102.3
147.0	152.3	151.5	150.9	151.6	151.9	109.6
150.0	156.5	157.1	156.5	157.3	155.4	119.7
153.0	154.9	162.1	161.4	162.2	151.8	121.4
156.0	136.9	163.4	165.8	163.5	135.5	106.3
159.0	126.3	155.0	169.8	159.9	130.5	101.0
162.0	112.5	142.5	171.1	160.8	130.8	101.8
165.0	103.2	130.3	160.7	162.1	130.9	102.1
168.0	101.5	118.0	149.6	160.8	129.9	102.2
171.0	103.4	107.6	138.5	146.2	124.1	101.5
174.0	103.7	101.6	125.8	130.3	121.1	100.7
177.0	107.7	102.1	96.63	102.3	111.7	137.1
180.0	154.1	104.9	87.92	116.8	160.2	185.3