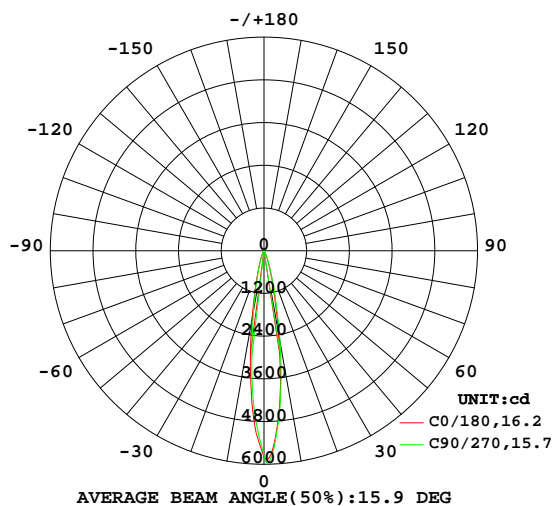


LUMINAIRE PHOTOMETRIC TEST REPORT

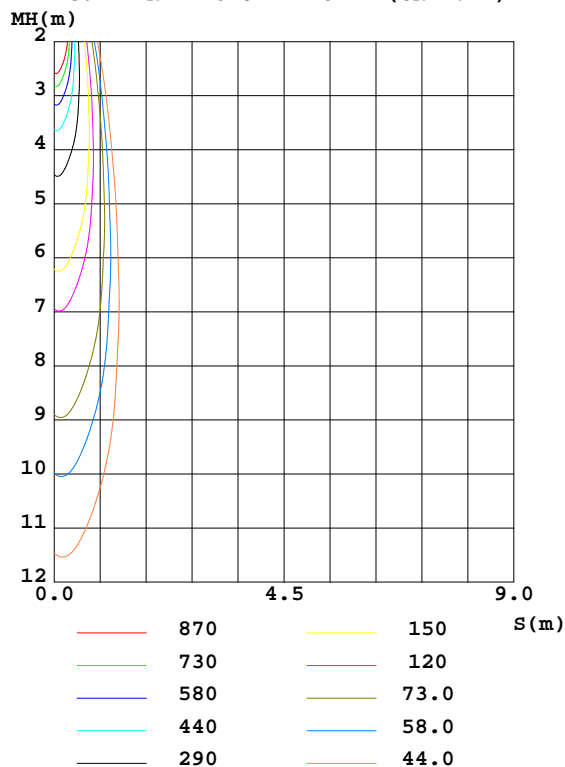
Test:U:12.23V I:0.6784A P:7.720W PF:0.9305 Freq:0Hz Lamp Flux:727.474x1 lm		
NAME: MR16-12V-SHL112218798-3-1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Zhejiang Shenghui Lighting Co.,Ltd.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 94.23 lm/W			
MODEL	MR16	I _{max} (cd)	6014	S/MH(C0/180)	0.26
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.24
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	727.47	η UP,DN(C0-180)	0.1,55.5
NOMINAL FLUX(lm)	727.474	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,44.2
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	12	η down(%)	99.8	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.4DEG
 Operators:YeChao
 Test Date:2021-12-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:24.4%
 Test Distance:1.146m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

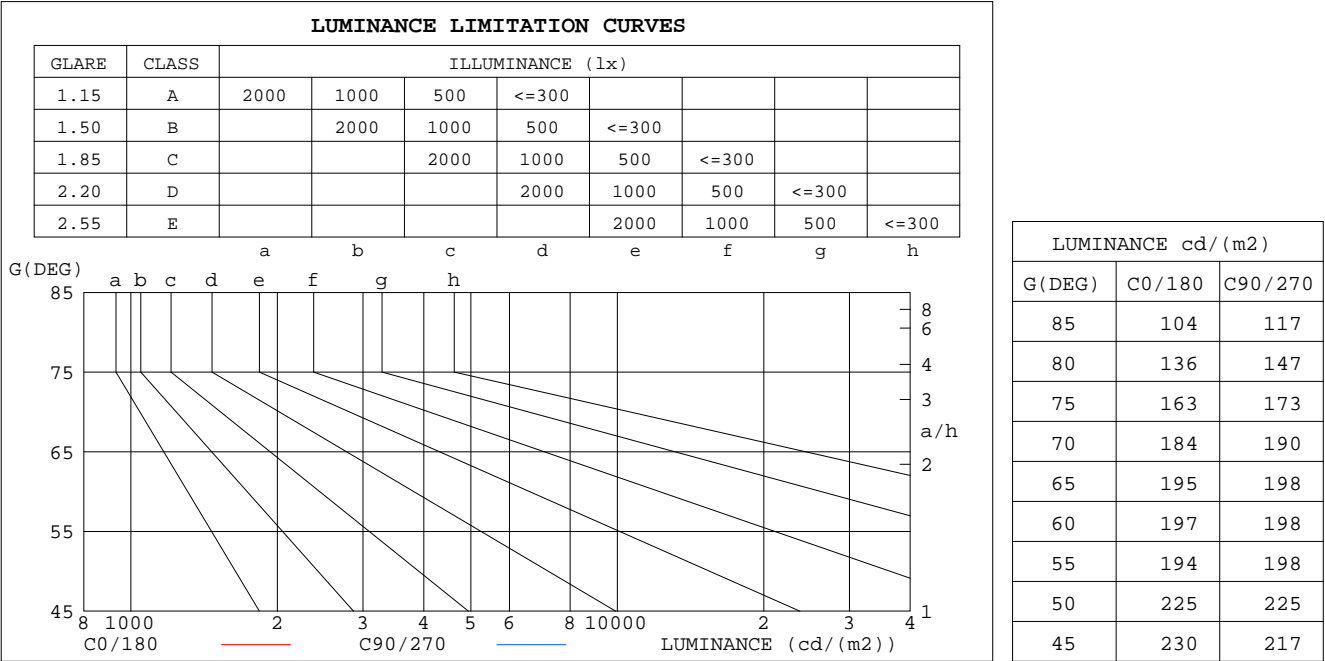
ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
5	4683	5006	4756	4421	4070	3741	3798	4278	0- 5	119.2	119.2	16.4,16.4
10	2380	2678	2637	2333	1919	1694	1689	1932	5- 10	221.2	340.3	46.8,46.8
15	908.8	1047	1051	925.4	757.2	683.0	677.9	757.9	10- 15	162.7	503.1	69.2,69.2
20	368.9	416.4	417.1	375.9	320.3	288.9	291.9	324.1	15- 20	90.42	593.5	81.6,81.6
25	156.2	176.8	184.4	172.5	141.4	126.0	124.9	138.5	20- 25	49.45	643.0	88.4,88.4
30	62.77	72.95	78.96	75.31	60.46	53.05	52.97	57.72	25- 30	25.63	668.6	91.9,91.9
35	27.35	31.26	33.94	33.00	26.78	25.68	26.19	26.09	30- 35	12.74	681.3	93.7,93.7
40	17.09	18.32	18.62	18.49	17.93	17.47	18.39	17.91	35- 40	7.420	688.7	94.7,94.7
45	16.28	15.54	15.32	16.45	17.02	19.23	23.30	18.79	40- 45	6.307	695.1	95.5,95.5
50	14.49	14.30	14.45	15.49	14.96	14.72	15.30	14.66	45- 50	7.015	702.1	96.5,96.5
55	11.10	11.32	11.33	11.56	11.51	11.48	11.49	10.89	50- 55	5.562	707.6	97.3,97.3
60	9.875	9.791	9.877	10.03	10.04	9.980	9.775	9.593	55- 60	4.909	712.5	97.9,97.9
65	8.220	8.442	8.377	8.331	8.164	7.998	7.795	7.679	60- 65	4.387	716.9	98.6,98.6
70	6.292	6.551	6.513	6.246	5.944	5.785	5.694	5.746	65- 70	3.607	720.5	99.99
75	4.214	4.490	4.466	4.096	3.758	3.629	3.660	3.774	70- 75	2.632	723.2	99.4,99.4
80	2.368	2.585	2.546	2.209	1.906	1.810	1.868	2.039	75- 80	1.634	724.8	99.6,99.6
85	0.9098	1.055	1.016	0.7911	0.5994	0.5389	0.5891	0.7343	80- 85	0.7748	725.6	99.7,99.7
90	0.1282	0.1584	0.1325	0.0594	0.0509	0.0686	0.0919	0.0937	85- 90	0.2027	725.8	99.8,99.8
95	0.0583	0.0557	0.0506	0.0514	0.0545	0.0601	0.0630	0.0620	90- 95	0.0340	725.8	99.8,99.8
100	0.0664	0.0648	0.0585	0.0602	0.0633	0.0698	0.0700	0.0719	95-100	0.0332	725.8	99.8,99.8
105	0.0793	0.0765	0.0694	0.0707	0.0762	0.0825	0.0837	0.0854	100-105	0.0383	725.9	99.8,99.8
110	0.0968	0.0890	0.0847	0.0860	0.0944	0.1068	0.1111	0.1035	105-110	0.0453	725.9	99.8,99.8
115	0.1259	0.1055	0.1048	0.1072	0.1369	0.1515	0.1652	0.1364	110-115	0.0569	726.0	99.8,99.8
120	0.1716	0.1463	0.1414	0.1530	0.2065	0.2075	0.2236	0.1887	115-120	0.0742	726.1	99.8,99.8
125	0.2310	0.2109	0.1953	0.1998	0.2891	0.2757	0.2981	0.2616	120-125	0.0981	726.2	99.8,99.8
130	1.234	0.4295	0.5962	1.594	0.5310	1.013	2.917	1.097	125-130	0.2569	726.4	99.9,99.9
135	0.5365	0.3723	0.4777	0.3069	0.5445	0.3701	0.4318	0.5127	130-135	0.4827	726.9	99.9,99.9
140	0.2911	0.2568	0.2593	0.2415	0.4390	0.2765	0.3002	0.3285	135-140	0.1281	727.0	99.9,99.9
145	0.2810	0.2881	0.2506	0.2373	0.3433	0.2879	0.3219	0.3110	140-145	0.0969	727.1	100,100
150	0.2546	0.2551	0.2097	0.1303	0.2564	0.2621	0.2674	0.2667	145-150	0.0786	727.2	100,100
155	0.2587	0.2597	0.1882	0.2544	0.2742	0.2822	0.2888	0.2836	150-155	0.0612	727.3	100,100
160	0.2955	0.2778	0.1939	0.2707	0.3352	0.3559	0.3435	0.3434	155-160	0.0578	727.3	100,100
165	0.3911	0.3636	0.3515	0.3658	0.4470	0.4799	0.4874	0.4386	160-165	0.0577	727.4	100,100
170	0.4555	0.4376	0.4226	0.4436	0.5393	0.5578	0.5662	0.5445	165-170	0.0545	727.4	100,100
175	0.4118	0.4182	0.3858	0.3516	0.4135	0.4154	0.4150	0.4123	170-175	0.0348	727.5	100,100
180	0	0	0	0	0	0.0000	0.0000	0.0000	175-180	0.0063	727.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.4DEG
 Operators:YeChao
 Test Date:2021-12-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:24.4%
 Test Distance:1.146m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES



WEC AND CCEC

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.139	.079	.025	.132	.076	.024	.120	.069	.022	.108	.062	.020	.098	.057	.018		
2.0	.128	.070	.022	.123	.068	.021	.112	.062	.019	.103	.058	.018	.094	.053	.017		
3.0	.118	.063	.019	.114	.061	.018	.105	.057	.017	.097	.053	.016	.090	.050	.015		
4.0	.110	.057	.017	.106	.055	.016	.099	.052	.016	.092	.049	.015	.086	.047	.014		
5.0	.103	.052	.015	.099	.051	.015	.093	.048	.014	.087	.046	.014	.082	.044	.013		
6.0	.096	.048	.014	.093	.047	.014	.088	.045	.013	.083	.043	.013	.078	.041	.012		
7.0	.091	.045	.013	.088	.044	.013	.084	.042	.012	.079	.041	.012	.075	.039	.011		
8.0	.086	.042	.012	.084	.041	.012	.080	.040	.011	.076	.038	.011	.072	.037	.011		
9.0	.081	.039	.011	.079	.039	.011	.076	.038	.011	.073	.036	.010	.069	.035	.010		
10.0	.077	.037	.010	.076	.037	.010	.073	.036	.010	.070	.035	.010	.067	.034	.010		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.170	.159	.150	.146	.137	.129	.100	.094	.089	.057	.054	.052	.018	.018	.017	
2.0	.152	.135	.120	.130	.116	.103	.089	.080	.072	.052	.047	.042	.017	.015	.014	
3.0	.137	.115	.098	.118	.099	.085	.081	.069	.059	.047	.040	.035	.015	.013	.011	
4.0	.124	.100	.081	.107	.086	.070	.073	.060	.049	.042	.035	.029	.014	.011	.010	
5.0	.114	.087	.068	.097	.076	.059	.067	.053	.042	.039	.031	.025	.013	.010	.008	
6.0	.104	.077	.058	.090	.067	.050	.062	.047	.036	.036	.028	.021	.012	.009	.007	
7.0	.096	.069	.050	.083	.060	.043	.057	.042	.031	.033	.025	.018	.011	.008	.006	
8.0	.090	.062	.043	.077	.054	.038	.053	.038	.027	.031	.022	.016	.010	.007	.005	
9.0	.084	.056	.038	.072	.049	.033	.050	.034	.024	.029	.020	.014	.009	.007	.005	
10.0	.078	.052	.034	.068	.045	.029	.047	.031	.021	.027	.019	.012	.009	.006	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.4DEG
 Operators:YeChao
 Test Date:2021-12-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:24.4%
 Test Distance:1.146m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

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	-0.5	0.1	-0.3	0.3	0.4	-0.3	0.3	-0.1	0.5	0.6
3H	1.0	1.6	1.2	1.8	2.0	1.2	1.8	1.4	2.0	2.2
4H	1.6	2.1	1.8	2.3	2.6	1.8	2.4	2.1	2.6	2.8
6H	1.9	2.5	2.2	2.7	2.9	2.2	2.7	2.5	3.0	3.2
8H	2.0	2.6	2.3	2.8	3.1	2.3	2.8	2.6	3.1	3.3
12H	2.1	2.6	2.4	2.8	3.1	2.4	2.9	2.7	3.1	3.4
4H 2H	0.2	0.7	0.4	0.9	1.1	0.3	0.9	0.6	1.1	1.3
3H	1.8	2.3	2.1	2.6	2.9	2.0	2.5	2.3	2.8	3.1
4H	2.5	3.0	2.8	3.3	3.6	2.7	3.2	3.1	3.5	3.8
6H	3.0	3.4	3.3	3.7	4.0	3.2	3.6	3.6	4.0	4.3
8H	3.1	3.5	3.5	3.8	4.2	3.4	3.7	3.7	4.1	4.5
12H	3.1	3.5	3.6	3.9	4.3	3.4	3.8	3.8	4.2	4.5
8H 4H	2.8	3.1	3.1	3.5	3.9	2.9	3.3	3.3	3.7	4.1
6H	3.3	3.6	3.7	4.0	4.5	3.6	3.9	4.0	4.3	4.7
8H	3.5	3.8	4.0	4.2	4.7	3.8	4.0	4.2	4.5	4.9
12H	3.6	3.9	4.1	4.3	4.8	3.9	4.1	4.4	4.6	5.1
12H 4H	2.8	3.1	3.2	3.5	3.9	2.9	3.3	3.3	3.7	4.1
6H	3.4	3.6	3.8	4.1	4.5	3.6	3.9	4.0	4.3	4.7
8H	3.6	3.8	4.0	4.3	4.7	3.8	4.1	4.3	4.5	5.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.1					+ 0.1 / - 0.2				
2.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 727.5 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -1.1$)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.4DEG
 Operators: YeChao
 Test Date: 2021-12-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 24.4%
 Test Distance: 1.146m [K=1.0000]
 Remarks:

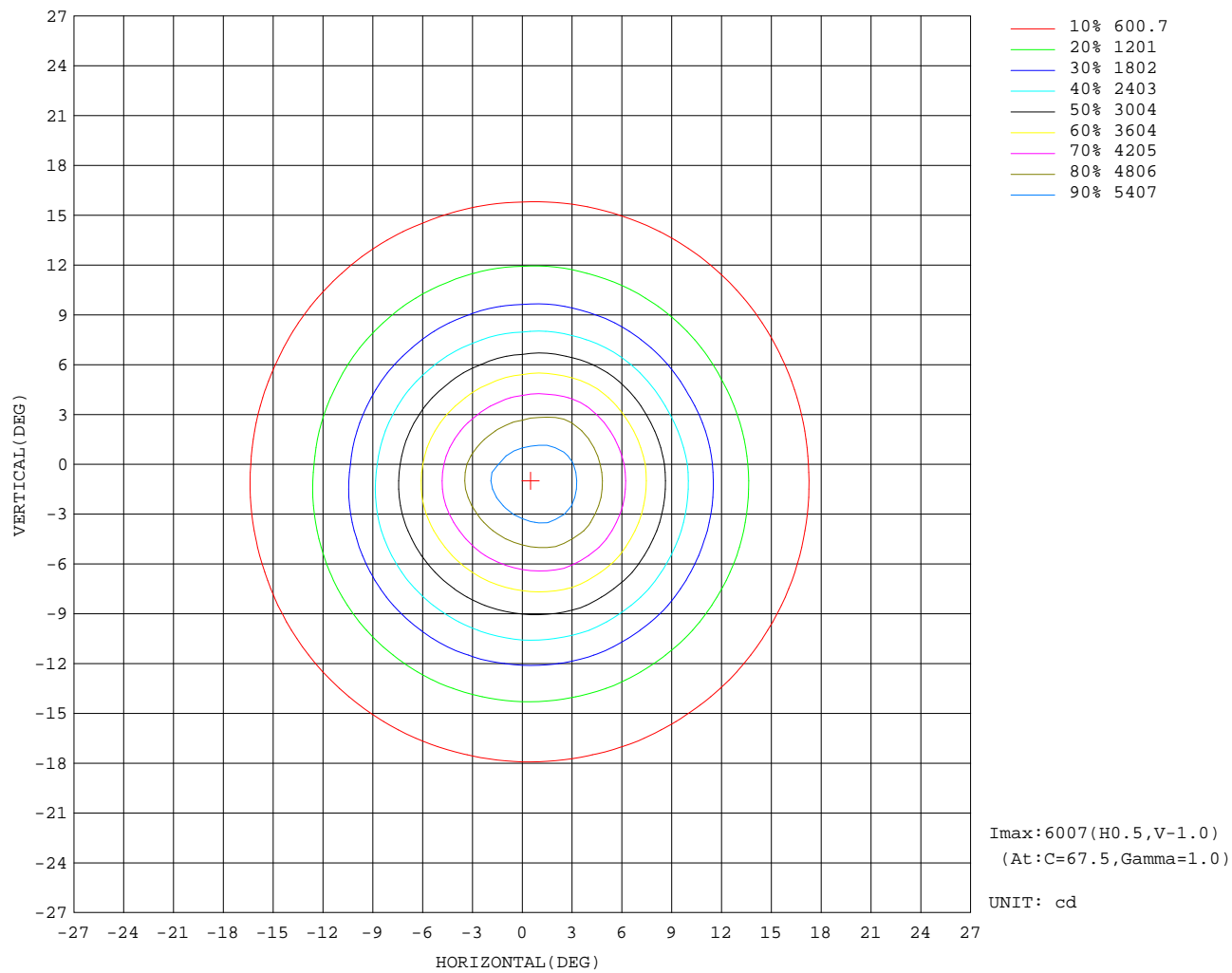
UTILIZATION FACTORS TABLE

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) $k(RI) \times RCR = 5$									
k = 0.60	88	82	78	88	82	78	87	82	78	75
0.80	95	90	86	95	89	86	94	89	86	82
1.00	100	94	91	99	94	90	97	93	90	86
1.25	103	98	95	102	98	94	100	97	94	90
1.50	106	101	98	105	101	98	103	99	96	92
2.00	109	104	101	107	103	100	104	101	99	94
2.50	110	106	103	109	105	103	105	103	101	95
3.00	112	108	106	110	107	105	107	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.4DEG
 Operators: YeChao
 Test Date: 2021-12-24

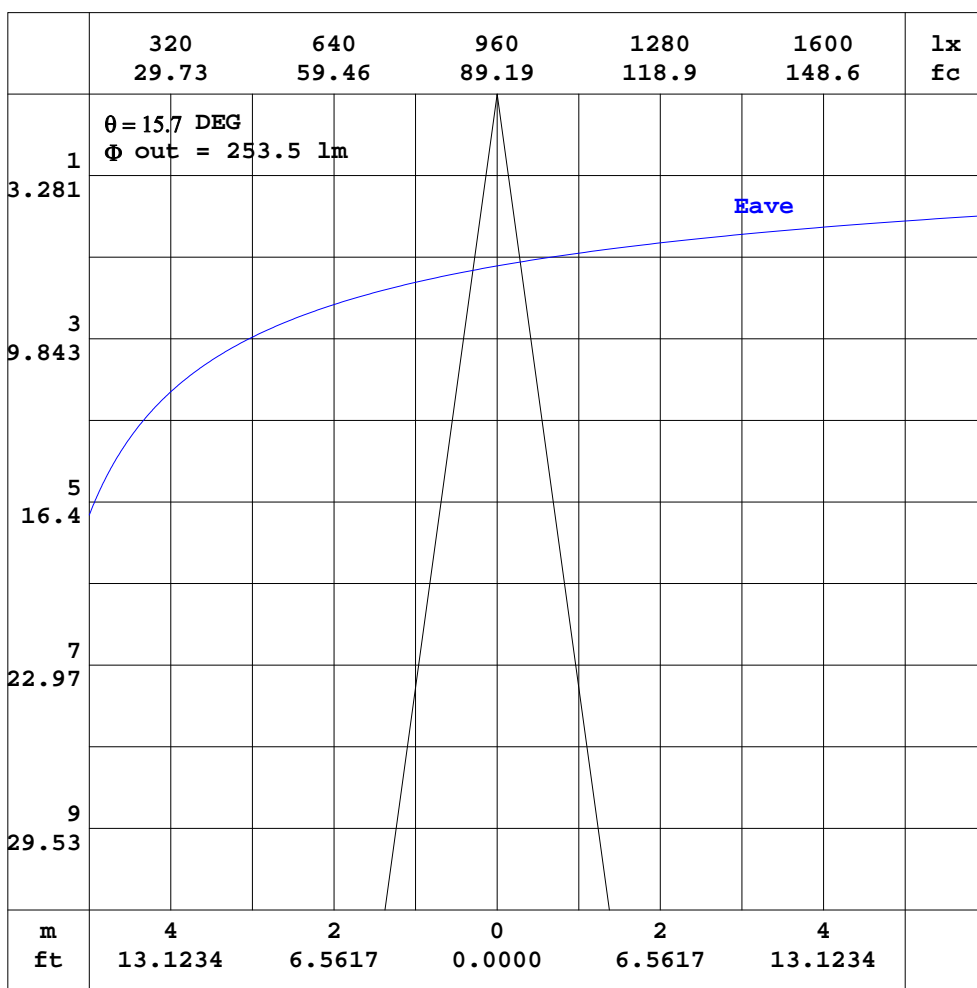
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 24.4%
 Test Distance: 1.146m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM



C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 22.5DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Temperature:24.4DEG	Humidity:24.4%
Operators:YeChao	Test Distance:1.146m [K=1.0000]
Test Date:2021-12-24	Remarks:

AAI CURVES

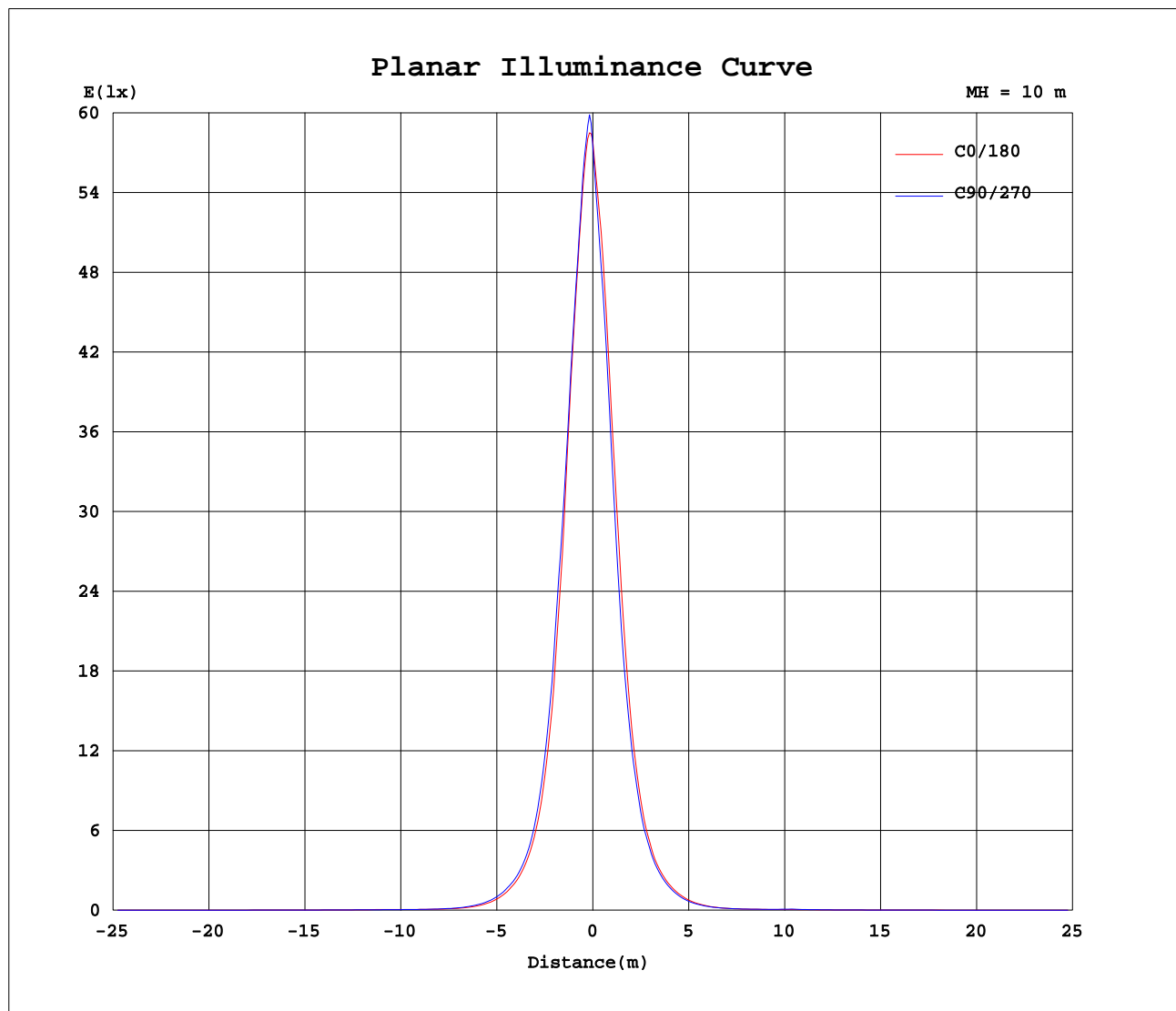


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.4DEG
Operators: YeChao
Test Date: 2021-12-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 24.4%
Test Distance: 1.146m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.4DEG
 Operators:YeChao
 Test Date:2021-12-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:24.4%
 Test Distance:1.146m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C(DEG) γ (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	5784	5743	5753	5753	5749	5740	5765	5763	5784	5743	5753	5753	5749	5740	5765	5763			
5	4683	4866	5006	4948	4756	4587	4421	4271	4070	3888	3741	3719	3798	3988	4278	4485			
10	2380	2552	2678	2716	2637	2484	2333	2143	1919	1782	1694	1666	1689	1780	1932	2108			
15	909	989	1047	1071	1051	1001	925	840	757	701	683	671	678	706	758	823			
20	369	395	416	422	417	401	376	347	320	299	289	286	292	306	324	344			
25	156	170	177	183	184	183	173	156	141	130	126	124	125	132	138	147			
30	62.8	67.5	72.9	76.6	79.0	80.5	75.3	66.3	60.5	56.1	53.0	52.7	53.0	56.4	57.7	59.3			
35	27.4	29.5	31.3	32.9	33.9	35.0	33.0	29.3	26.8	26.5	25.7	26.3	26.2	26.4	26.1	25.9			
40	17.1	17.2	18.3	18.7	18.6	19.3	18.5	17.4	17.9	17.2	17.5	18.7	18.4	18.5	17.9	16.6			
45	16.3	14.7	15.5	15.6	15.3	16.5	16.5	16.2	17.0	17.1	19.2	22.9	23.3	20.9	18.8	16.5			
50	14.5	13.8	14.3	15.6	14.4	15.2	15.5	15.0	15.0	14.9	14.7	16.0	15.3	15.0	14.7	14.2			
55	11.1	11.2	11.3	11.3	11.3	11.6	11.6	11.4	11.5	11.6	11.5	12.0	11.5	11.1	10.9	10.9			
60	9.87	9.77	9.79	10.00	9.88	10.0	10.0	9.92	10.0	10.1	9.98	10.2	9.78	9.64	9.59	9.59			
65	8.22	8.25	8.44	8.53	8.38	8.40	8.33	8.16	8.16	8.11	8.00	8.11	7.80	7.66	7.68	7.85			
70	6.29	6.34	6.55	6.64	6.51	6.38	6.25	6.03	5.94	5.86	5.79	5.85	5.69	5.64	5.75	5.94			
75	4.21	4.33	4.49	4.58	4.47	4.26	4.10	3.89	3.76	3.69	3.63	3.69	3.66	3.63	3.77	3.98			
80	2.37	2.47	2.58	2.63	2.55	2.37	2.21	2.04	1.91	1.86	1.81	1.85	1.87	1.90	2.04	2.22			
85	0.91	0.99	1.06	1.08	1.02	0.90	0.79	0.68	0.60	0.55	0.54	0.57	0.59	0.64	0.73	0.83			
90	0.13	0.15	0.16	0.15	0.13	0.10	0.06	0.05	0.05	0.06	0.07	0.09	0.09	0.09	0.09	0.11			
95	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06			
100	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07			
105	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.08			
110	0.10	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.09	0.10	0.11	0.12	0.11	0.11	0.10	0.10			
115	0.13	0.12	0.11	0.11	0.10	0.10	0.11	0.12	0.14	0.14	0.15	0.17	0.17	0.16	0.14	0.13			
120	0.17	0.16	0.15	0.15	0.14	0.14	0.15	0.17	0.21	0.19	0.21	0.23	0.22	0.22	0.19	0.18			
125	0.23	0.22	0.21	0.25	0.20	0.19	0.20	0.22	0.29	0.26	0.28	0.31	0.30	0.33	0.26	0.24			
130	1.23	0.60	0.43	0.39	0.60	1.17	1.59	4.09	0.53	2.42	1.01	3.87	2.92	1.45	1.10	3.11			
135	0.54	0.45	0.37	0.35	0.48	0.32	0.31	0.39	0.54	0.46	0.37	0.43	0.43	0.52	0.51	0.46			
140	0.29	0.27	0.26	0.27	0.26	0.24	0.24	0.29	0.44	0.32	0.28	0.29	0.30	0.37	0.33	0.29			
145	0.28	0.29	0.29	0.28	0.25	0.23	0.24	0.29	0.34	0.44	0.29	0.30	0.32	0.33	0.31	0.30			
150	0.25	0.26	0.26	0.23	0.21	0.17	0.13	0.23	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27			
155	0.26	0.27	0.26	0.22	0.19	0.19	0.25	0.19	0.27	0.28	0.28	0.29	0.29	0.29	0.28	0.28			
160	0.30	0.29	0.28	0.25	0.19	0.27	0.27	0.25	0.34	0.34	0.36	0.36	0.34	0.35	0.34	0.33			
165	0.39	0.38	0.36	0.27	0.35	0.36	0.37	0.39	0.45	0.46	0.48	0.50	0.49	0.46	0.44	0.44			
170	0.46	0.44	0.44	0.42	0.42	0.43	0.44	0.46	0.54	0.54	0.56	0.57	0.57	0.56	0.54	0.52			
175	0.41	0.42	0.42	0.41	0.39	0.37	0.35	0.36	0.41	0.42	0.42	0.41	0.41	0.41	0.41	0.42			
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.4DEG
 Operators: YeChao
 Test Date: 2021-12-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 24.4%
 Test Distance: 1.146m [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	5784	5743	5753	5753	5749	5740	5765	5763	5784	5743
2.5	5590	5728	5843	5839	5681	5519	5373	5246	5120	4951
5.0	4683	4866	5006	4948	4756	4587	4421	4271	4070	3888
7.5	3557	3757	3876	3851	3658	3477	3298	3145	2940	2752
10.0	2380	2552	2678	2716	2637	2484	2333	2143	1919	1782
12.5	1473	1591	1687	1716	1679	1606	1488	1336	1209	1124
15.0	908.8	989.5	1047	1071	1051	1001	925.4	839.9	757.2	700.6
17.5	572.0	616.1	647.6	660.9	648.5	618.2	574.4	528.6	481.9	448.8
20.0	368.9	394.6	416.4	421.7	417.1	401.2	375.9	347.1	320.3	299.2
22.5	242.7	256.8	269.8	277.4	277.3	271.1	257.7	237.7	214.5	198.7
25.0	156.2	170.4	176.8	182.7	184.4	182.5	172.5	156.0	141.4	130.0
27.5	99.52	107.4	115.0	119.5	121.8	121.7	114.2	102.5	91.41	83.90
30.0	62.77	67.53	72.95	76.56	78.96	80.53	75.31	66.29	60.46	56.10
32.5	40.64	43.94	47.07	49.62	51.43	53.10	49.87	43.63	38.95	37.59
35.0	27.35	29.53	31.26	32.87	33.94	35.01	33.00	29.32	26.78	26.47
37.5	20.78	22.06	23.31	24.07	24.55	25.08	23.92	22.02	20.73	20.28
40.0	17.09	17.23	18.32	18.66	18.62	19.26	18.49	17.36	17.93	17.15
42.5	15.74	15.18	16.03	16.32	15.97	16.70	16.19	15.99	16.39	16.91
45.0	16.28	14.71	15.54	15.58	15.32	16.53	16.45	16.18	17.02	17.13
47.5	18.85	16.09	15.15	15.26	14.46	15.59	15.65	15.75	17.04	18.06
50.0	14.49	13.83	14.30	15.63	14.45	15.24	15.49	15.01	14.96	14.86
52.5	12.60	12.36	12.67	12.83	12.78	13.17	13.09	12.71	12.64	12.56
55.0	11.10	11.21	11.32	11.33	11.33	11.61	11.56	11.41	11.51	11.57
57.5	10.30	10.34	10.47	10.55	10.53	10.70	10.71	10.65	10.83	10.94
60.0	9.875	9.768	9.791	9.999	9.877	10.02	10.03	9.919	10.04	10.08
62.5	8.989	9.051	9.155	9.354	9.189	9.265	9.230	9.093	9.168	9.132
65.0	8.220	8.251	8.442	8.532	8.377	8.396	8.331	8.164	8.164	8.105
67.5	7.320	7.339	7.523	7.639	7.476	7.443	7.322	7.121	7.076	6.985
70.0	6.292	6.341	6.551	6.643	6.513	6.379	6.246	6.029	5.944	5.860
72.5	5.239	5.336	5.532	5.631	5.493	5.320	5.143	4.938	4.827	4.737
75.0	4.214	4.327	4.490	4.582	4.466	4.262	4.096	3.887	3.758	3.692
77.5	3.254	3.372	3.490	3.568	3.460	3.273	3.100	2.913	2.770	2.725
80.0	2.368	2.473	2.585	2.634	2.546	2.367	2.209	2.042	1.906	1.860
82.5	1.571	1.665	1.755	1.791	1.716	1.566	1.431	1.290	1.176	1.127
85.0	0.9098	0.9881	1.055	1.077	1.016	0.8995	0.7911	0.6833	0.5994	0.5545
87.5	0.4140	0.4679	0.5060	0.5138	0.4715	0.3975	0.3264	0.2602	0.2165	0.1921
90.0	0.1282	0.1483	0.1584	0.1536	0.1325	0.0971	0.0594	0.0500	0.0509	0.0569
92.5	0.0570	0.0560	0.0531	0.0502	0.0485	0.0483	0.0484	0.0489	0.0515	0.0552
95.0	0.0583	0.0581	0.0557	0.0526	0.0506	0.0509	0.0514	0.0519	0.0545	0.0581
97.5	0.0619	0.0622	0.0597	0.0564	0.0541	0.0550	0.0554	0.0560	0.0584	0.0626
100.0	0.0664	0.0670	0.0648	0.0611	0.0585	0.0597	0.0602	0.0606	0.0633	0.0675
102.5	0.0716	0.0725	0.0705	0.0665	0.0634	0.0649	0.0652	0.0662	0.0695	0.0732
105.0	0.0793	0.0782	0.0765	0.0721	0.0694	0.0702	0.0707	0.0739	0.0762	0.0791
107.5	0.0878	0.0857	0.0824	0.0784	0.0765	0.0759	0.0772	0.0821	0.0834	0.0883
110.0	0.0968	0.0948	0.0890	0.0857	0.0847	0.0829	0.0860	0.0906	0.0944	0.1003
112.5	0.1089	0.1041	0.0969	0.0943	0.0940	0.0928	0.0945	0.1025	0.1112	0.1193
115.0	0.1259	0.1157	0.1055	0.1069	0.1048	0.1047	0.1072	0.1215	0.1369	0.1421
117.5	0.1475	0.1365	0.1195	0.1242	0.1192	0.1223	0.1283	0.1428	0.1716	0.1642
120.0	0.1716	0.1615	0.1463	0.1466	0.1414	0.1431	0.1530	0.1660	0.2065	0.1905
122.5	0.2009	0.1902	0.1805	0.1946	0.1656	0.1670	0.1728	0.1922	0.2391	0.2201
125.0	0.2310	0.2175	0.2109	0.2484	0.1953	0.1924	0.1998	0.2232	0.2891	0.2564
127.5	0.2722	0.2533	0.2552	0.3090	0.2340	0.2217	0.2306	0.2760	0.3681	0.3271
130.0	1.234	0.5980	0.4295	0.3942	0.5962	1.168	1.594	4.087	0.5310	2.423
132.5	1.818	2.357	1.314	0.4765	2.193	0.5925	0.4261	0.5339	0.5353	0.6158
135.0	0.5365	0.4536	0.3723	0.3507	0.4777	0.3169	0.3069	0.3941	0.5445	0.4605
137.5	0.3569	0.3154	0.2867	0.2854	0.2926	0.2576	0.2712	0.3279	0.5050	0.3686
140.0	0.2911	0.2749	0.2568	0.2708	0.2593	0.2434	0.2415	0.2910	0.4390	0.3238
142.5	0.2922	0.2758	0.2523	0.2611	0.2591	0.2372	0.2241	0.2720	0.3988	0.3231
145.0	0.2810	0.2890	0.2881	0.2818	0.2506	0.2330	0.2373	0.2868	0.3433	0.4354
147.5	0.2628	0.2823	0.2604	0.2466	0.2418	0.2211	0.2040	0.2516	0.2737	0.2831
150.0	0.2546	0.2637	0.2551	0.2348	0.2097	0.1740	0.1303	0.2276	0.2564	0.2650
152.5	0.2532	0.2589	0.2556	0.2245	0.2016	0.1219	0.1726	0.1962	0.2586	0.2649
155.0	0.2587	0.2651	0.2597	0.2167	0.1882	0.1913	0.2544	0.1937	0.2742	0.2839
157.5	0.2761	0.2693	0.2558	0.2344	0.1436	0.2650	0.2568	0.2054	0.3020	0.3106
160.0	0.2955	0.2896	0.2778	0.2459	0.1939	0.2732	0.2707	0.2542	0.3352	0.3434
162.5	0.3325	0.3219	0.3080	0.2436	0.2916	0.3080	0.3096	0.3142	0.3807	0.3897
165.0	0.3911	0.3791	0.3636	0.2702	0.3515	0.3582	0.3658	0.3869	0.4470	0.4560
167.5	0.4423	0.4375	0.4177	0.3513	0.4025	0.3939	0.4232	0.4532	0.5128	0.5170
170.0	0.4555	0.4445	0.4376	0.4220	0.4226	0.4300	0.4436	0.4638	0.5393	0.5399
172.5	0.4784	0.4773	0.4797	0.4598	0.4512	0.4454	0.4487	0.4563	0.5333	0.5338
175.0	0.4118	0.4158	0.4182	0.4125	0.3858	0.3652	0.3516	0.3558	0.4135	0.4153
177.5	0.2158	0.2214	0.2262	0.2248	0.2200	0.1986	0.1774	0.1824	0.1882	0.1993
180.0	0	0	0	0	0	0	0	0	0	0

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.4DEG
 Operators: YeChao
 Test Date: 2021-12-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 24.4%
 Test Distance: 1.146m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

G/C	225.0	247.5	270.0	292.5	315.0	337.5
0.0	5753	5753	5749	5740	5765	5763
2.5	4844	4825	4860	4994	5209	5372
5.0	3741	3719	3798	3988	4278	4485
7.5	2611	2557	2596	2767	3034	3277
10.0	1694	1666	1689	1780	1932	2108
12.5	1076	1062	1083	1133	1217	1318
15.0	683.0	671.0	677.9	706.5	757.9	822.6
17.5	432.8	429.0	441.9	463.5	501.4	535.5
20.0	288.9	286.4	291.9	305.7	324.1	344.2
22.5	192.6	189.8	192.0	201.7	213.9	226.2
25.0	126.0	123.5	124.9	131.6	138.5	147.0
27.5	81.21	80.23	80.79	85.14	88.56	93.63
30.0	53.05	52.73	52.97	56.35	57.72	59.31
32.5	35.77	35.95	36.33	37.09	37.55	38.19
35.0	25.68	26.26	26.19	26.38	26.09	25.94
37.5	20.14	20.76	20.67	20.87	20.58	19.80
40.0	17.47	18.74	18.39	18.48	17.91	16.59
42.5	17.67	19.27	18.72	17.84	16.40	15.29
45.0	19.23	22.88	23.30	20.86	18.79	16.54
47.5	18.29	20.63	20.92	21.38	21.55	19.73
50.0	14.72	15.95	15.30	15.03	14.66	14.23
52.5	12.49	13.31	12.74	12.20	12.01	12.19
55.0	11.48	12.02	11.49	11.07	10.89	10.92
57.5	10.96	11.46	10.94	10.43	10.20	10.05
60.0	9.980	10.21	9.775	9.644	9.593	9.594
62.5	9.058	9.219	8.838	8.634	8.628	8.703
65.0	7.998	8.113	7.795	7.664	7.679	7.853
67.5	6.910	6.997	6.744	6.647	6.750	6.919
70.0	5.785	5.850	5.694	5.638	5.746	5.940
72.5	4.670	4.731	4.643	4.599	4.751	4.951
75.0	3.629	3.687	3.660	3.633	3.774	3.980
77.5	2.661	2.708	2.714	2.719	2.868	3.064
80.0	1.810	1.853	1.868	1.901	2.039	2.217
82.5	1.095	1.127	1.148	1.201	1.322	1.459
85.0	0.5389	0.5689	0.5891	0.6419	0.7343	0.8345
87.5	0.1938	0.2150	0.2318	0.2628	0.3163	0.3692
90.0	0.0686	0.0895	0.0919	0.0876	0.0937	0.1089
92.5	0.0589	0.0712	0.0804	0.0714	0.0652	0.0600
95.0	0.0601	0.0613	0.0630	0.0636	0.0620	0.0615
97.5	0.0645	0.0644	0.0651	0.0662	0.0663	0.0657
100.0	0.0698	0.0698	0.0700	0.0717	0.0719	0.0707
102.5	0.0755	0.0760	0.0765	0.0776	0.0783	0.0765
105.0	0.0825	0.0835	0.0837	0.0861	0.0854	0.0834
107.5	0.0925	0.0930	0.0929	0.0957	0.0946	0.0917
110.0	0.1068	0.1151	0.1111	0.1077	0.1035	0.1022
112.5	0.1283	0.1506	0.1402	0.1261	0.1143	0.1143
115.0	0.1515	0.1690	0.1652	0.1566	0.1364	0.1326
117.5	0.1744	0.1917	0.1877	0.1816	0.1605	0.1551
120.0	0.2075	0.2250	0.2236	0.2165	0.1887	0.1814
122.5	0.2352	0.2650	0.2615	0.2630	0.2245	0.2160
125.0	0.2757	0.3087	0.2981	0.3271	0.2616	0.2433
127.5	0.3626	0.4289	0.3805	0.4503	0.3517	0.2844
130.0	1.013	3.872	2.917	1.450	1.097	3.105
132.5	0.4539	0.6624	0.5945	0.7319	0.7467	1.274
135.0	0.3701	0.4334	0.4318	0.5250	0.5127	0.4598
137.5	0.2984	0.3259	0.3331	0.4133	0.3855	0.3354
140.0	0.2765	0.2925	0.3002	0.3668	0.3285	0.2905
142.5	0.2761	0.2918	0.3004	0.3388	0.3086	0.2828
145.0	0.2879	0.3032	0.3219	0.3282	0.3110	0.2983
147.5	0.2719	0.2779	0.2892	0.2801	0.2745	0.2882
150.0	0.2621	0.2615	0.2674	0.2725	0.2667	0.2700
152.5	0.2642	0.2632	0.2657	0.2754	0.2695	0.2644
155.0	0.2822	0.2851	0.2888	0.2932	0.2836	0.2802
157.5	0.3120	0.3210	0.2979	0.3160	0.3094	0.3005
160.0	0.3559	0.3599	0.3435	0.3533	0.3434	0.3285
162.5	0.4091	0.4190	0.4026	0.4076	0.3905	0.3794
165.0	0.4799	0.4968	0.4874	0.4649	0.4386	0.4439
167.5	0.5416	0.5526	0.5588	0.5194	0.4927	0.5112
170.0	0.5578	0.5656	0.5662	0.5582	0.5445	0.5237
172.5	0.5429	0.5483	0.5438	0.5403	0.5319	0.5279
175.0	0.4154	0.4136	0.4150	0.4134	0.4123	0.4181
177.5	0.1946	0.1880	0.1865	0.1922	0.2012	0.2089
180.0	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.4DEG
 Operators: YeChao
 Test Date: 2021-12-24

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 24.4%
 Test Distance: 1.146m [K=1.0000]
 Remarks: