

LED Downlight CATO Series C6R-10S-830



Light Output Ratio:	100.0%	
Luminaire Power:	13.43 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.95	fine grid method.

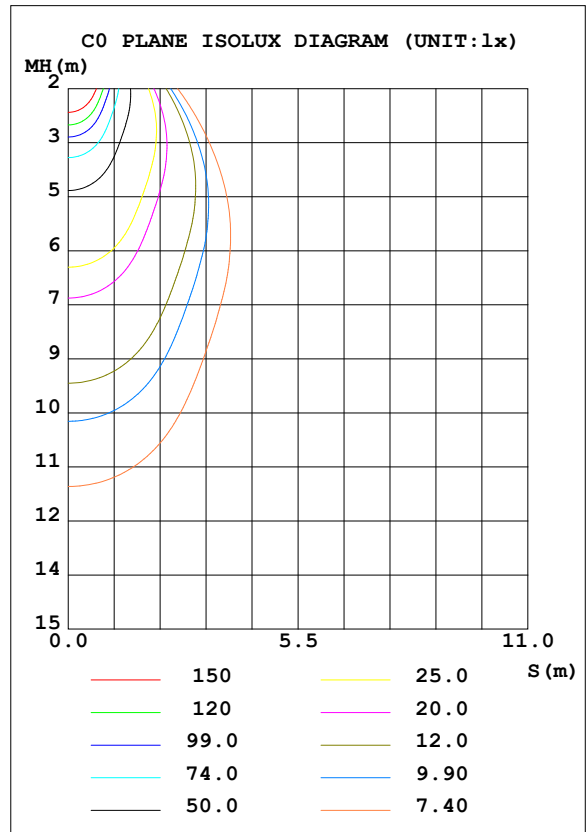
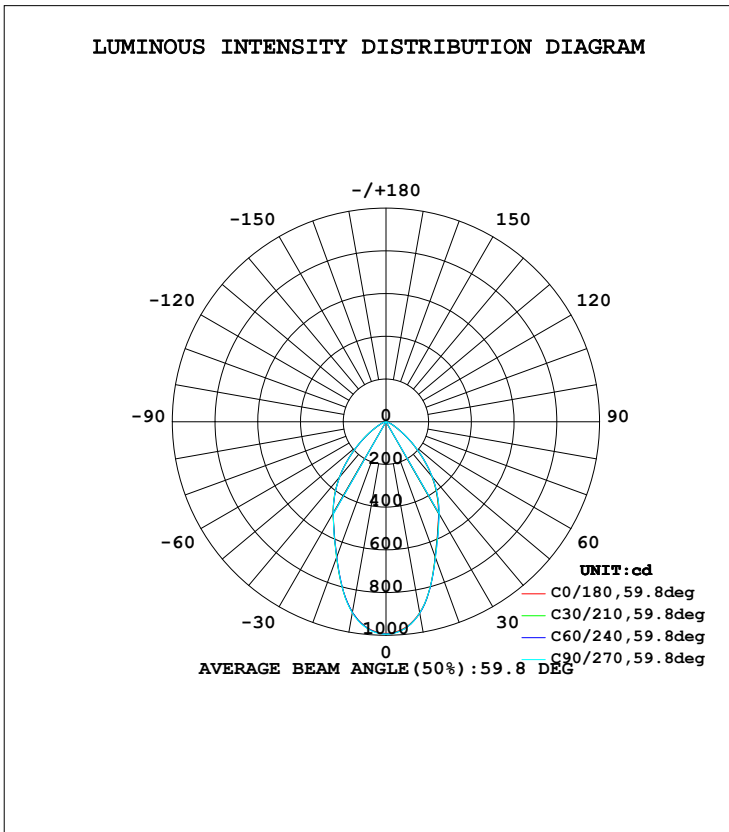
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Cao Chengpei
 Test Date: 2014-08-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity: 53.0%
 Test Distance: 5.780m [K=1.0000]
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.4V I:0.0661A P:13.43W PF:0.9212 Lamp Flux:1171.67x1 lm		
NAME: C6R-10S-830	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 87.26 lm/W			
MODEL	SAMSUNG-3000K	I _{max} (cd)	997.8	S/MH (C0/180)	0.82
NOMINAL POWER (W)	13	LOR (%)	100.0	S/MH (C90/270)	0.82
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1171.7	η UP, DN (C0-180)	0.0, 49.8
NOMINAL FLUX (lm)	1171.67	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.2
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	0.95



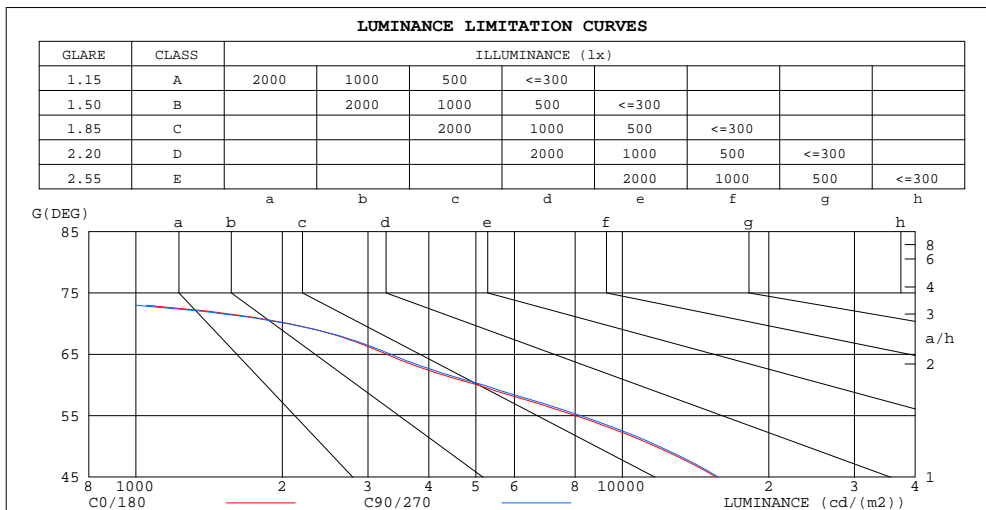
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**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	908.1	911.4	909.9	910.5	906.2	903.9	908.4	912.6	0- 10	90.94	90.94	7.76,7.76
20	673.9	676.0	677.4	674.4	674.1	673.7	675.1	681.9	10- 20	222.6	313.5	26.8,26.8
30	492.1	494.9	498.0	496.1	495.3	493.8	494.4	496.1	20- 30	265.4	579.0	49.4,49.4
40	333.3	337.3	336.1	339.1	337.7	338.8	337.4	341.6	30- 40	260.9	839.9	71.7,71.7
50	168.6	169.4	171.5	169.6	172.5	172.1	175.4	174.4	40- 50	194.4	1034	88.3,88.3
60	56.55	58.04	58.05	57.03	57.95	59.79	60.71	60.96	50- 60	96.50	1131	96.5,96.5
70	15.83	16.84	15.74	15.64	16.00	17.10	17.48	17.75	60- 70	33.83	1165	99.4,99.4
80	1.440	1.576	1.673	1.582	1.515	1.658	1.771	1.766	70- 80	5.637	1170	99.9,99.9
90	0.1289	0.0853	0.0395	0.0354	0.0062	0.0104	0.0125	0.1622	80- 90	1.438	1172	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	629	743
80	370	430
75	345	355
70	2064	2052
65	3277	3342
60	5045	5179
55	8020	8210
50	11697	11898
45	15597	15752

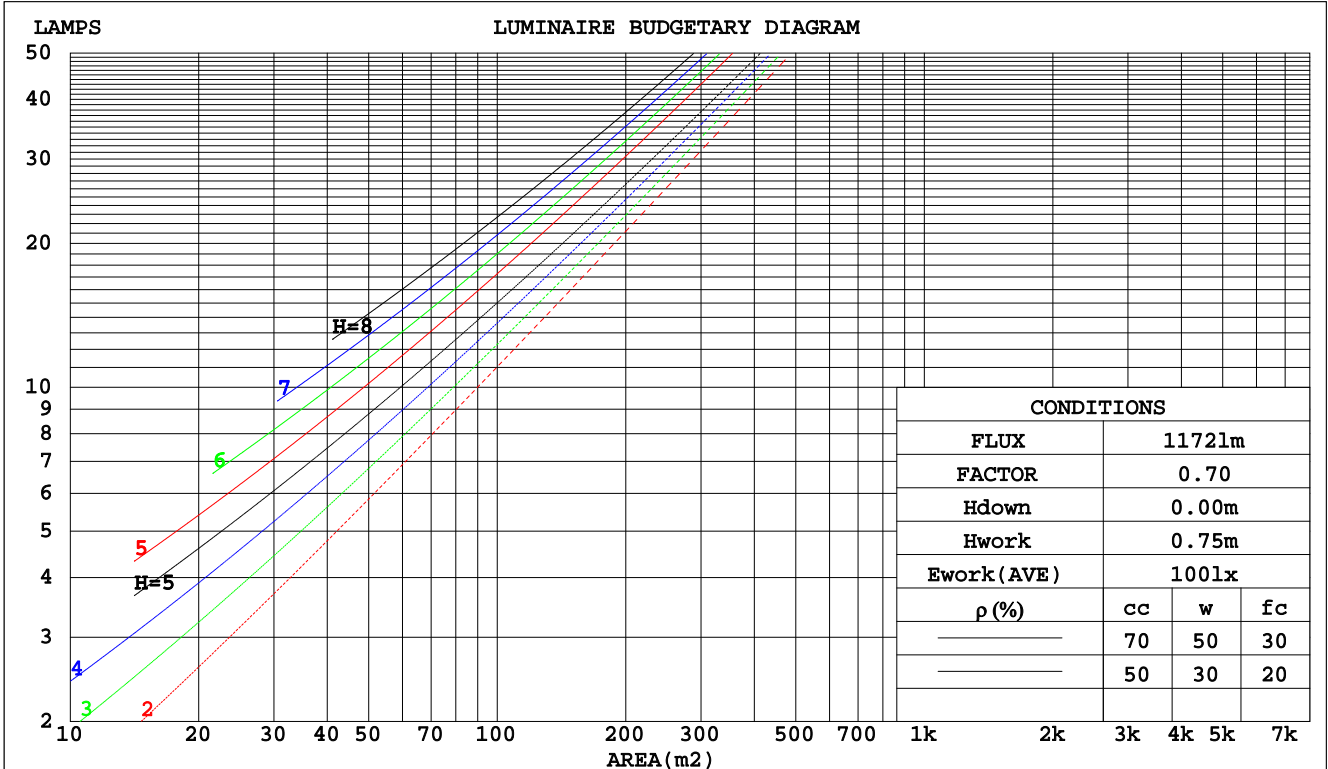
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.4V I:0.0661A P:13.43W PF:0.9212 Lamp Flux:1171.67x1 lm		
NAME: C6R-10S-830	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.09	1.06	1.03	1.07	1.04	1.02	1.03	1.01	.99	.99	.97	.96	.95	.94	.93	.91
2.0	.99	.94	.90	.98	.93	.89	.94	.90	.87	.91	.88	.85	.88	.86	.84	.82
3.0	.91	.85	.80	.89	.84	.79	.86	.82	.78	.84	.80	.77	.82	.78	.75	.74
4.0	.83	.76	.71	.82	.75	.71	.79	.74	.70	.77	.73	.69	.75	.71	.68	.66
5.0	.76	.69	.64	.75	.69	.64	.73	.67	.63	.71	.66	.62	.70	.65	.62	.60
6.0	.70	.63	.58	.69	.63	.58	.68	.62	.57	.66	.61	.57	.65	.60	.56	.55
7.0	.65	.58	.53	.64	.57	.53	.63	.57	.52	.62	.56	.52	.60	.55	.52	.50
8.0	.60	.53	.49	.60	.53	.48	.59	.52	.48	.57	.52	.48	.56	.51	.48	.46
9.0	.56	.49	.45	.56	.49	.45	.55	.49	.44	.54	.48	.44	.53	.48	.44	.43
10.0	.53	.46	.41	.52	.46	.41	.51	.45	.41	.50	.45	.41	.50	.45	.41	.40



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WEC AND CCEC

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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	.212	.121	.038	.205	.117	.037	.193	.111	.035	.181	.104	.033	.170	.099	.032	
2.0	.207	.113	.035	.201	.111	.034	.190	.106	.033	.180	.101	.032	.171	.097	.030	
3.0	.198	.105	.032	.193	.103	.031	.184	.099	.030	.175	.096	.029	.167	.092	.029	
4.0	.188	.098	.029	.184	.096	.028	.176	.093	.028	.168	.090	.027	.161	.087	.027	
5.0	.179	.091	.026	.175	.090	.026	.167	.087	.026	.161	.085	.025	.154	.082	.025	
6.0	.169	.085	.024	.166	.084	.024	.159	.082	.024	.153	.080	.023	.148	.078	.023	
7.0	.161	.079	.023	.158	.079	.022	.152	.077	.022	.146	.075	.022	.141	.073	.022	
8.0	.153	.075	.021	.150	.074	.021	.145	.072	.021	.140	.071	.020	.135	.069	.020	
9.0	.145	.070	.020	.143	.070	.020	.138	.068	.019	.134	.067	.019	.129	.066	.019	
10.0	.138	.066	.018	.136	.066	.018	.132	.065	.018	.128	.063	.018	.124	.062	.018	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.174	.157	.142	.149	.135	.122	.102	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.161	.132	.108	.138	.114	.094	.094	.079	.065	.054	.046	.038	.017	.015	.012	
3.0	.151	.114	.084	.129	.098	.073	.089	.068	.051	.051	.040	.030	.016	.013	.010	
4.0	.142	.100	.067	.122	.086	.059	.084	.060	.041	.048	.035	.024	.016	.011	.008	
5.0	.134	.089	.055	.115	.077	.048	.079	.054	.034	.046	.031	.020	.015	.010	.007	
6.0	.127	.080	.046	.109	.069	.040	.075	.048	.028	.044	.028	.017	.014	.009	.006	
7.0	.121	.072	.038	.104	.063	.033	.072	.044	.024	.042	.026	.014	.014	.008	.005	
8.0	.115	.066	.033	.099	.058	.029	.069	.040	.020	.040	.024	.012	.013	.008	.004	
9.0	.110	.061	.029	.095	.053	.025	.066	.037	.018	.038	.022	.011	.012	.007	.004	
10.0	.105	.057	.025	.091	.050	.022	.063	.035	.016	.037	.021	.009	.012	.007	.003	

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 Remarks:

UGR(Unified Glare Rating) Table

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SPEC.:3000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	19.0	20.2	19.3	20.4	20.6	19.1	20.3	19.4	20.5	20.7
3H	19.0	20.1	19.3	20.3	20.5	19.1	20.2	19.4	20.4	20.6
4H	18.9	19.9	19.2	20.2	20.4	19.0	20.1	19.3	20.3	20.5
6H	18.8	19.8	19.2	20.0	20.3	19.0	19.9	19.3	20.2	20.4
8H	18.8	19.7	19.1	20.0	20.2	18.9	19.8	19.2	20.1	20.4
12H	18.8	19.6	19.1	19.9	20.2	18.9	19.7	19.2	20.0	20.3
4H 2H	19.0	20.0	19.3	20.2	20.5	19.1	20.1	19.4	20.3	20.6
3H	19.0	19.9	19.3	20.2	20.4	19.1	20.0	19.4	20.3	20.5
4H	18.9	19.7	19.3	20.0	20.3	19.0	19.8	19.4	20.1	20.4
6H	18.8	19.5	19.2	19.9	20.2	18.9	19.6	19.3	20.0	20.3
8H	18.8	19.4	19.2	19.8	20.2	18.9	19.5	19.3	19.9	20.3
12H	18.8	19.3	19.2	19.7	20.1	18.9	19.4	19.3	19.8	20.2
8H 4H	18.8	19.4	19.2	19.8	20.2	18.9	19.5	19.3	19.9	20.3
6H	18.7	19.2	19.2	19.6	20.1	18.8	19.3	19.3	19.7	20.2
8H	18.7	19.1	19.1	19.6	20.0	18.8	19.2	19.2	19.7	20.1
12H	18.6	19.0	19.1	19.5	19.9	18.7	19.1	19.2	19.6	20.0
12H 4H	18.8	19.3	19.2	19.7	20.1	18.9	19.4	19.3	19.8	20.2
6H	18.7	19.1	19.1	19.6	20.0	18.8	19.2	19.2	19.7	20.1
8H	18.6	19.0	19.1	19.5	19.9	18.7	19.1	19.2	19.6	20.0
Variations with the observer position at spacings:										
S = 1.0H	+ 1.5 / - 2.7					+ 1.5 / - 2.7				
1.5H	+ 1.2 / - 1.9					+ 1.2 / - 1.8				
2.0H	+ 3.3 / - 4.2					+ 3.3 / - 4.1				

CIE Pub.117 Corrected 1172 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.6)

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 Remarks:

UTILIZATION FACTORS TABLE

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SPEC.:3000K	DIM.: φ169mm*H66mm	
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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	73	65	59	73	64	59	72	64	59	54
0.80	83	74	69	82	74	69	81	73	69	64
1.00	90	82	77	89	82	77	87	82	76	71
1.25	96	89	84	95	88	83	92	87	83	77
1.50	100	93	88	98	92	88	96	91	87	81
2.00	104	99	94	103	97	94	100	95	92	86
2.50	107	101	97	105	100	97	101	98	95	88
3.00	109	104	101	107	103	100	103	100	97	90
4.00	111	108	105	109	106	103	105	103	100	93
5.00	113	110	107	111	108	105	106	104	102	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

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ISOCANDELA DIAGRAM

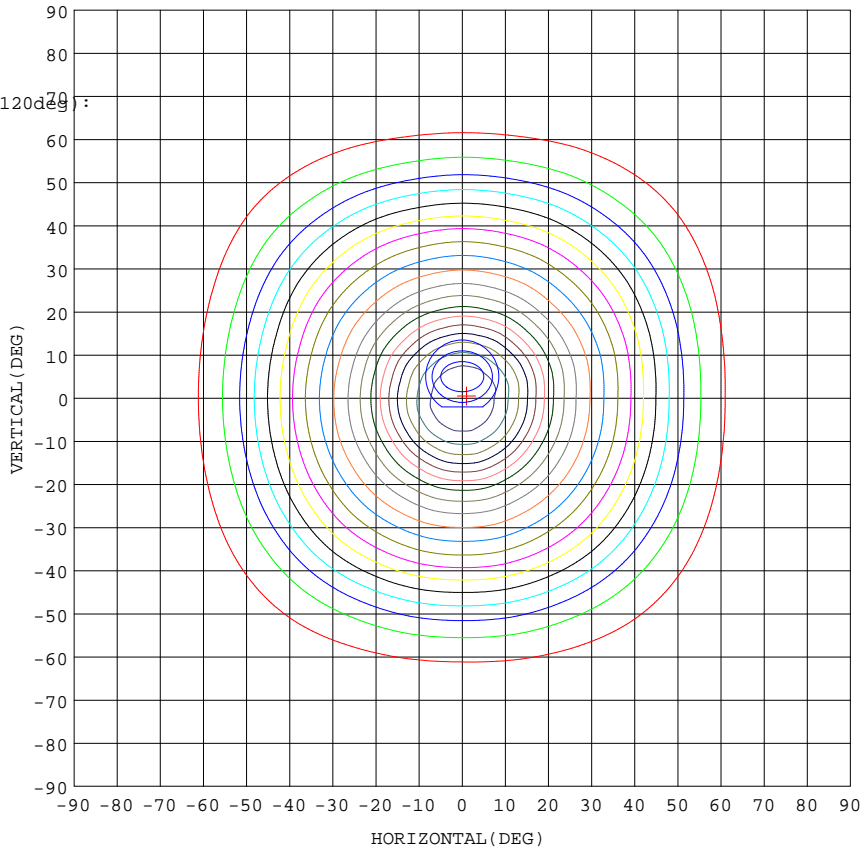
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Conical surface Flux(90deg):

949.02 lm
 %lum = 81.0%
 %lamp = 81.0%

Conical surface Flux(120deg):

1130.8 lm
 %lum = 96.5%
 %lamp = 96.5%



1. AVG=965.4, MIN=932.0
2. AVG=955.1, MIN=889.1
3. AVG=940.7, MIN=834.5

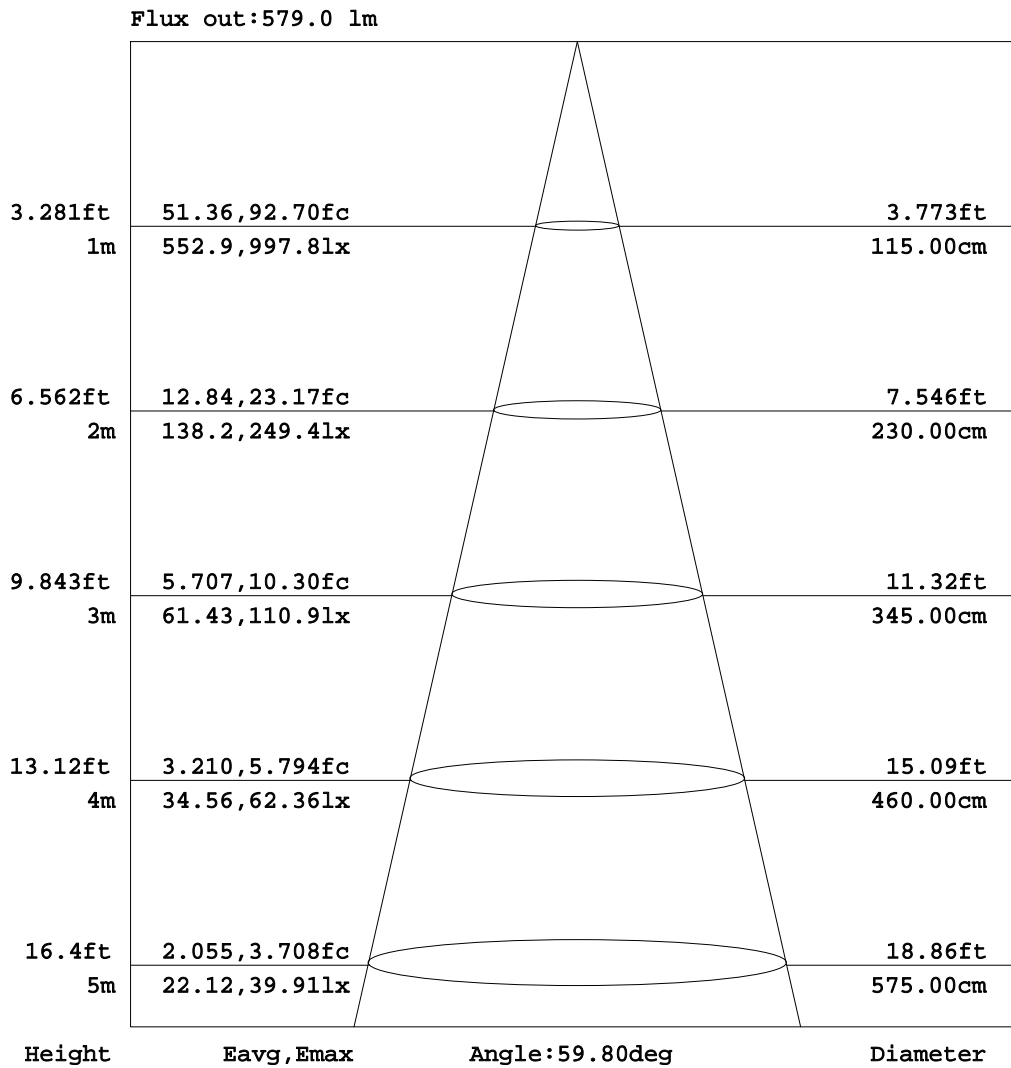
Imax:996.5 (H1.0, V0.5)
 (At:C=165.0, Gamma=0.0)
 UNIT: cd

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AAI Figure

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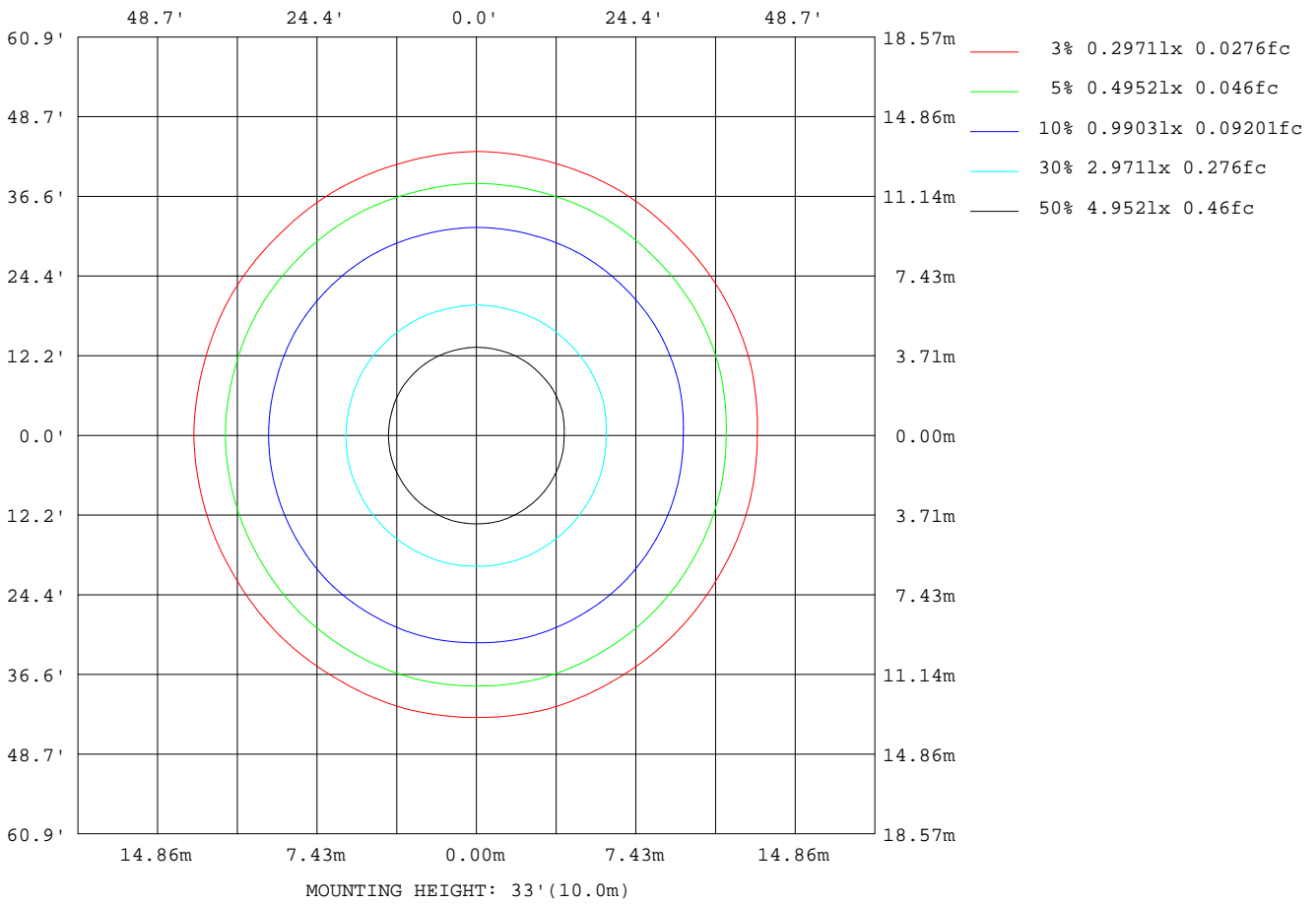
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

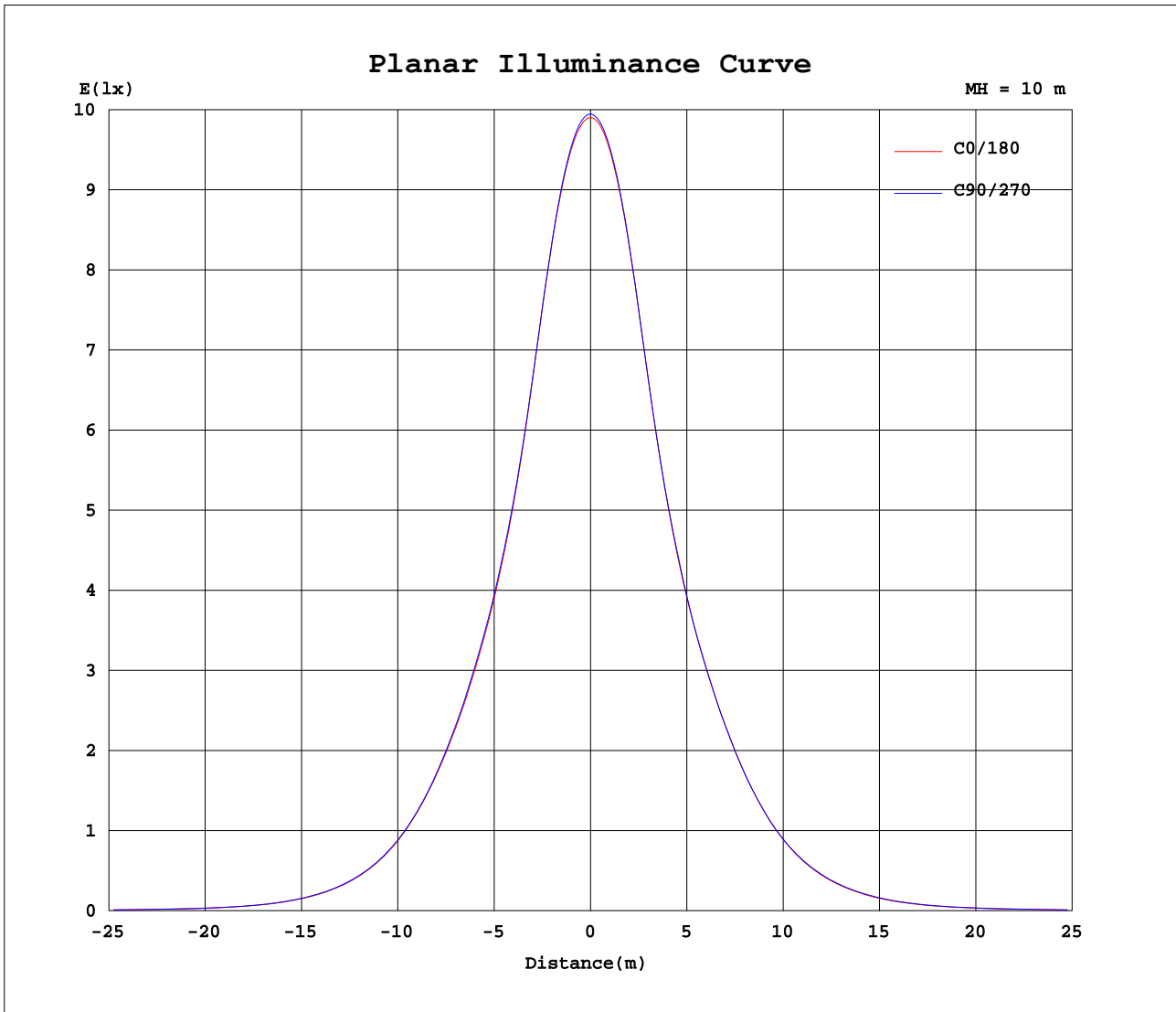
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Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.4V I:0.0661A P:13.43W PF:0.9212 Lamp Flux:1171.67x1 lm		
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Table--1 UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	990	990	993	993	994	995	995	995	996	996	997	998	990	990	993	993	994	995	995
5	971	972	973	974	974	976	975	976	975	976	975	976	970	969	972	970	972	972	974
10	908	910	910	911	910	913	910	912	909	910	909	910	906	903	907	904	906	905	908
15	800	803	801	803	802	805	801	803	799	800	798	800	798	795	799	795	796	794	798
20	674	675	674	676	677	681	677	678	674	674	672	674	674	673	677	674	675	672	675
25	572	574	574	576	578	581	578	579	576	576	573	574	573	572	575	573	575	574	576
30	492	493	494	495	496	500	498	499	496	496	495	496	495	493	496	494	494	492	494
35	415	417	416	417	419	423	420	421	419	419	417	418	420	419	421	419	419	417	420
40	333	335	335	337	338	340	336	338	338	339	337	337	338	337	340	339	339	336	337
45	247	249	250	252	251	253	250	252	251	253	250	250	252	250	255	254	254	251	253
50	169	169	168	169	170	173	171	173	170	170	168	170	173	171	174	172	174	173	175
55	103	104	102	102	104	107	106	106	102	102	101	103	106	105	106	105	106	107	110
60	56.6	56.8	57.3	58.0	58.8	59.2	58.1	57.9	57.0	57.0	56.5	56.5	58.0	58.0	59.6	59.8	60.0	59.7	60.7
65	31.1	31.5	32.2	32.9	32.9	32.8	31.7	31.8	31.5	31.8	31.4	31.4	32.0	32.2	33.6	33.8	33.9	33.1	33.4
70	15.8	16.2	16.4	16.8	16.6	16.5	15.7	15.8	15.4	15.6	15.3	15.6	16.0	16.0	17.0	17.1	17.4	17.0	17.5
75	2.00	2.18	2.05	2.33	2.06	2.18	2.06	2.07	1.96	1.90	1.89	1.89	1.91	1.93	2.07	2.11	2.41	2.32	2.64
80	1.44	1.45	1.52	1.58	1.59	1.62	1.67	1.70	1.62	1.58	1.56	1.54	1.52	1.55	1.62	1.66	1.72	1.75	1.77
85	1.23	1.23	1.29	1.34	1.36	1.39	1.45	1.47	1.42	1.37	1.35	1.33	1.29	1.32	1.38	1.43	1.49	1.53	1.56
90	0.13	0.12	0.12	0.09	0.06	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.01

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Cao Chengpei
 Test Date:2014-08-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:53.0%
 Test Distance:5.780m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.4V I:0.0661A P:13.43W PF:0.9212 Lamp Flux:1171.67x1 lm		
NAME: C6R-10S-830	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: ϕ 169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	285	300	315	330	345															
0	995	996	996	997	998															
5	974	976	976	979	979															
10	908	913	913	917	917															
15	798	805	806	812	811															
20	675	681	682	687	685															
25	574	577	576	580	581															
30	493	497	496	500	500															
35	419	421	421	424	424															
40	337	341	342	344	343															
45	252	257	257	259	256															
50	174	176	174	176	175															
55	108	109	106	108	108															
60	60.6	61.4	61.0	61.0	60.1															
65	33.5	34.5	34.3	34.3	33.4															
70	17.4	18.0	17.7	17.8	17.1															
75	2.55	2.87	2.62	2.80	2.38															
80	1.81	1.83	1.77	1.65	1.51															
85	1.61	1.61	1.57	1.44	1.31															
90	0.05	0.08	0.16	0.18	0.22															

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Cao Chengpei
 Test Date:2014-08-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:53.0%
 Test Distance:5.780m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	990.3	990.5	992.7	992.6	993.7	994.8	994.9	995.5	995.8	995.8
3.0	983.3	984.0	986.0	986.1	986.9	988.7	987.7	988.7	988.3	988.7
6.0	961.9	962.8	964.3	964.7	965.1	967.3	965.5	966.8	966.3	966.2
9.0	924.2	926.1	926.6	927.5	926.7	929.5	926.6	928.3	926.3	927.4
12.0	870.1	872.2	872.2	873.1	872.0	874.2	870.8	872.5	870.2	871.1
15.0	800.0	802.5	801.4	803.1	801.9	804.7	800.9	802.6	799.4	800.3
18.0	723.0	724.9	723.4	725.4	725.2	728.9	725.2	726.6	722.7	723.1
21.0	650.8	652.0	651.0	652.8	654.0	658.1	655.0	656.1	651.9	651.8
24.0	590.5	591.9	591.6	593.0	595.0	598.7	596.0	597.2	593.6	593.4
27.0	537.9	539.9	540.1	541.5	541.8	545.3	544.2	545.3	542.1	541.5
30.0	492.1	493.2	493.6	494.9	496.4	499.9	498.0	499.3	496.4	496.1
33.0	445.4	447.8	448.3	449.9	451.4	453.9	451.4	452.2	449.8	450.1
36.0	399.5	400.8	399.9	401.5	403.4	406.9	404.4	405.9	403.8	404.3
39.0	350.3	351.5	351.7	353.8	354.5	356.7	353.6	355.7	354.4	355.7
42.0	299.0	300.2	301.3	303.7	303.7	304.6	301.2	303.8	303.3	305.3
45.0	247.3	248.8	249.5	252.2	251.5	252.9	249.7	252.1	250.9	253.0
48.0	198.8	199.9	199.5	201.5	201.5	203.9	201.6	203.0	200.8	201.7
51.0	154.5	154.9	153.5	154.3	155.4	158.8	157.3	158.0	154.9	154.3
54.0	115.0	115.5	113.5	114.3	115.4	119.4	117.6	118.5	114.3	113.9
57.0	81.78	82.25	81.08	82.04	82.77	85.32	83.91	84.12	81.28	81.34
60.0	56.55	56.80	57.31	58.04	58.76	59.20	58.05	57.86	57.01	57.03
63.0	38.65	39.35	40.11	41.06	41.14	41.08	39.57	39.80	39.46	39.92
66.0	27.89	28.34	28.83	29.46	29.38	29.40	28.36	28.45	28.02	28.34
69.0	18.87	19.27	19.51	19.98	19.73	19.73	18.89	18.98	18.49	18.80
72.0	9.805	10.20	10.19	10.64	10.33	10.25	9.513	9.622	9.176	9.511
75.0	2.003	2.176	2.055	2.332	2.059	2.181	2.057	2.075	1.961	1.900
78.0	1.544	1.559	1.639	1.696	1.706	1.732	1.789	1.817	1.733	1.688
81.0	1.390	1.397	1.467	1.518	1.537	1.568	1.623	1.645	1.577	1.530
84.0	1.267	1.264	1.325	1.380	1.402	1.432	1.490	1.509	1.452	1.405
87.0	1.163	1.152	1.207	1.262	1.290	1.318	1.377	1.397	1.350	1.297
90.0	0.1289	0.1185	0.1206	0.0853	0.0624	0.0416	0.0395	0.0354	0.0374	0.0354
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	997.0	997.8	990.3	990.5	992.7	992.6	993.7	994.8	994.9	995.5
3.0	988.8	990.0	983.3	982.8	985.1	984.3	985.7	986.3	987.3	987.6
6.0	965.6	966.8	961.2	959.7	962.2	960.9	962.6	962.6	964.7	964.7
9.0	925.5	927.3	922.7	920.3	923.1	920.9	923.0	922.5	925.3	925.3
12.0	869.2	870.9	867.4	864.3	867.6	864.6	866.5	865.0	868.7	868.8
15.0	797.6	799.8	798.0	794.6	798.8	794.9	796.3	793.6	797.8	797.8
18.0	720.3	722.9	722.7	720.6	724.7	720.8	721.9	718.9	722.9	723.1
21.0	649.1	651.5	651.7	650.6	654.8	651.5	652.3	649.6	653.1	652.7
24.0	590.9	592.1	591.4	590.0	594.0	592.0	593.5	592.3	594.6	593.3
27.0	539.5	540.4	539.7	538.2	540.6	539.1	540.4	539.0	541.4	540.3
30.0	494.5	496.3	495.3	493.1	495.7	493.8	494.4	492.4	494.4	493.4
33.0	448.4	449.9	450.4	448.4	450.3	448.7	449.1	447.6	450.1	448.8
36.0	402.3	403.3	404.9	402.7	404.6	402.2	402.3	401.0	403.6	402.4
39.0	353.6	354.0	354.9	353.7	356.9	355.0	355.0	352.4	354.3	354.0
42.0	302.7	302.3	303.2	302.2	306.8	305.7	305.6	301.9	303.4	303.0
45.0	250.4	250.3	251.6	250.3	255.0	254.4	254.5	250.9	252.7	252.1
48.0	199.5	200.9	202.8	201.5	204.8	204.1	204.7	202.9	205.1	204.3
51.0	153.1	155.3	158.2	156.7	158.6	156.9	158.7	158.3	161.2	160.1
54.0	112.7	115.4	118.8	116.9	118.6	116.3	118.9	118.6	122.0	120.4
57.0	80.26	82.01	84.52	83.34	84.82	83.86	85.19	85.24	87.72	86.69
60.0	56.50	56.52	57.95	58.01	59.58	59.79	60.04	59.66	60.71	60.59
63.0	39.33	39.22	39.88	40.10	41.91	42.19	42.30	41.35	41.78	41.79
66.0	28.00	28.15	28.71	28.85	30.15	30.28	30.35	29.71	30.10	30.07
69.0	18.50	18.73	19.20	19.26	20.31	20.39	20.63	20.21	20.67	20.60
72.0	9.114	9.324	9.804	9.724	10.54	10.62	11.06	10.82	11.20	11.12
75.0	1.889	1.888	1.908	1.933	2.069	2.111	2.406	2.324	2.641	2.545
78.0	1.662	1.657	1.628	1.673	1.738	1.777	1.842	1.864	1.879	1.924
81.0	1.508	1.497	1.466	1.498	1.565	1.602	1.667	1.695	1.721	1.762
84.0	1.383	1.364	1.326	1.363	1.422	1.469	1.530	1.568	1.593	1.641
87.0	1.271	1.252	1.214	1.244	1.304	1.352	1.407	1.446	1.478	1.535
90.0	0.0354	0.0333	0.0062	0.0083	0.0062	0.0104	0.0062	0.0166	0.0125	0.0520
G/C	300.0	315.0	330.0	345.0						
0.0	995.8	995.8	997.0	997.8						
3.0	989.0	988.8	990.9	991.5						
6.0	967.2	966.9	969.9	970.4						
9.0	929.2	929.0	933.0	933.5						
12.0	874.3	874.5	879.6	879.7						
15.0	805.1	805.6	811.6	810.7						
18.0	730.3	731.0	736.5	734.5						
21.0	658.3	658.2	663.2	661.6						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Cao Chengpei
 Test Date: 2014-08-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity: 53.0%
 Test Distance: 5.780m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

24.0	596.3	595.1	599.4	599.5
27.0	542.5	541.6	545.3	546.2
30.0	496.9	496.1	499.7	500.3
33.0	450.9	450.3	453.5	454.1
36.0	405.5	405.1	408.9	408.7
39.0	357.6	357.9	360.8	359.7
42.0	308.0	308.4	311.0	308.5
45.0	256.8	257.0	259.4	256.3
48.0	207.3	206.3	208.3	206.5
51.0	161.5	159.2	161.4	160.6
54.0	121.3	118.3	120.6	119.9
57.0	87.33	85.44	86.57	85.90
60.0	61.43	60.96	61.00	60.14
63.0	43.15	42.92	42.94	41.65
66.0	30.92	30.73	30.75	29.89
69.0	21.21	20.95	20.99	20.30
72.0	11.72	11.40	11.42	10.77
75.0	2.866	2.624	2.798	2.376
78.0	1.935	1.876	1.757	1.623
81.0	1.775	1.718	1.601	1.469
84.0	1.649	1.597	1.478	1.350
87.0	1.541	1.496	1.378	1.248
90.0	0.0769	0.1622	0.1830	0.2163

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Cao Chengpei
 Test Date: 2014-08-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity: 53.0%
 Test Distance: 5.780m [K=1.0000]
 Remarks: