

LED Downlight CATO Series C6F-10S-840



Light Output Ratio:	100.0%	
Luminaire Power:	13.39 W	
SHR Nominal:	1.00	Calculated using the TM5
SHR Maximum:	1.15	fine grid method.

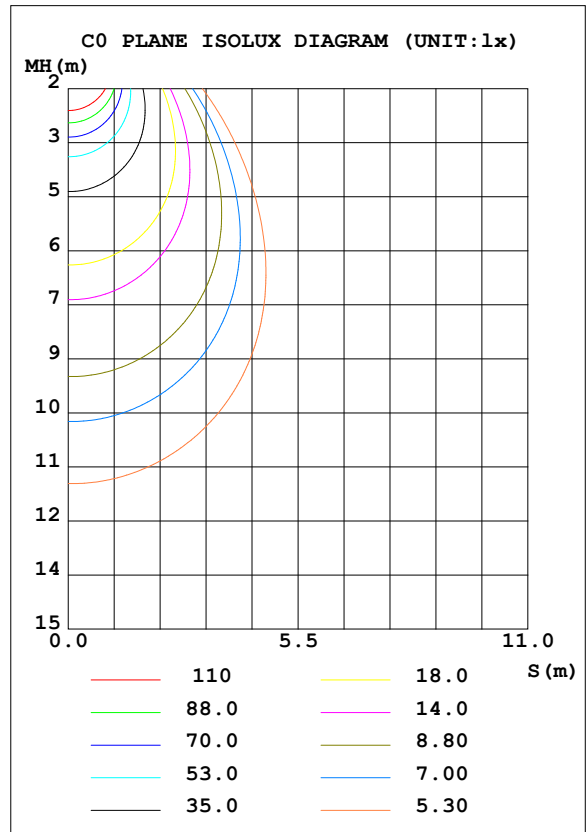
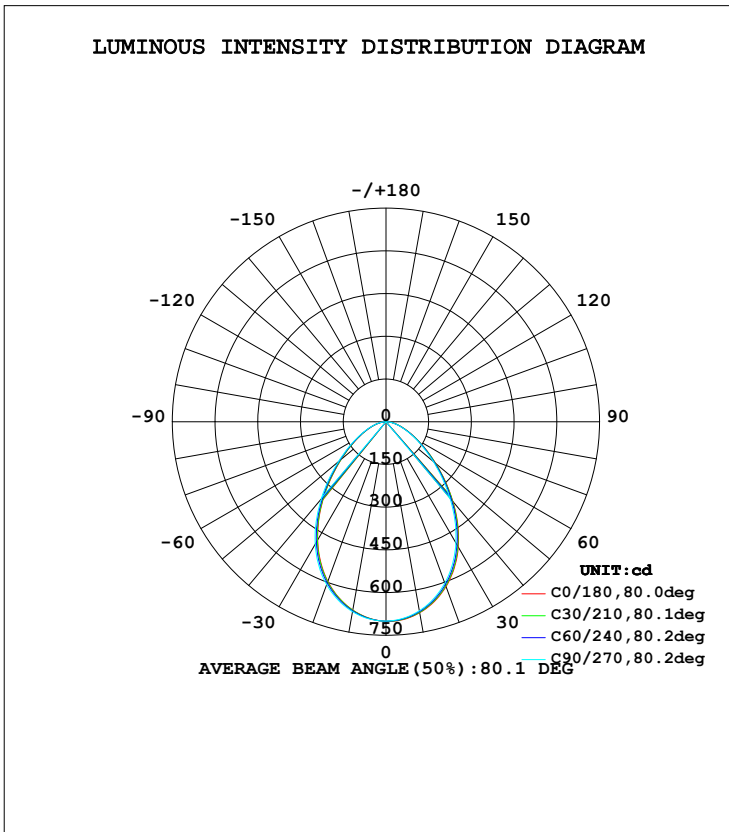
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Cao Chengpei
 Test Date: 2014-09-01

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:220.3V I:0.0660A P:13.39W PF:0.9212 Lamp Flux:1273.05x1 lm		
NAME: C6F-10S-840	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 95.08 lm/W			
MODEL	SAMSUNG-4000K	I _{max} (cd)	701.1	S/MH (C0/180)	1.06
NOMINAL POWER (W)	13	LOR (%)	100.0	S/MH (C90/270)	1.09
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1273.0	η UP, DN (C0-180)	0.0, 50.0
NOMINAL FLUX (lm)	1273.05	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.15



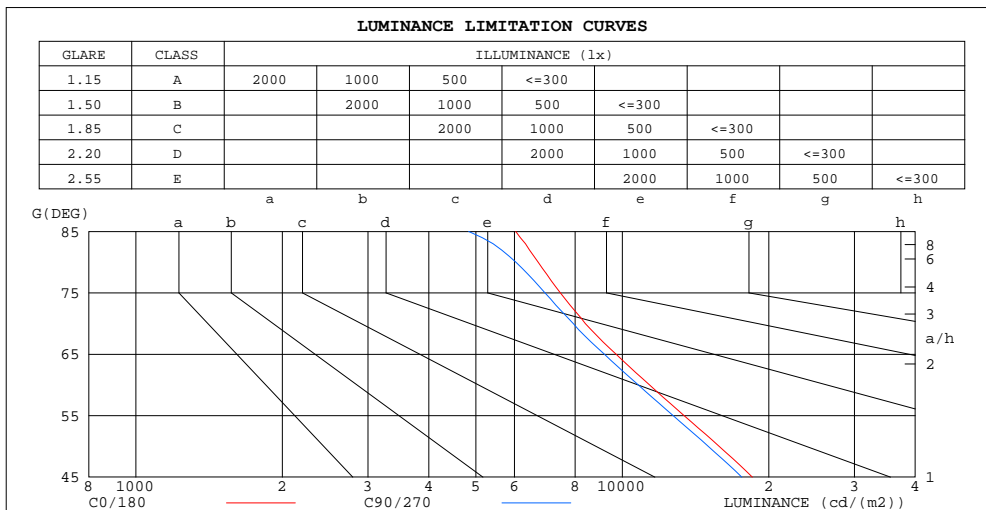
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**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	681.1	679.0	674.0	671.1	671.5	672.7	677.4	680.3	0- 10	65.66	65.66	5.16,5.16
20	616.2	612.1	603.5	597.1	596.9	599.6	609.0	615.2	10- 20	181.6	247.3	19.4,19.4
30	507.6	503.2	491.0	482.1	480.2	484.2	497.1	506.5	20- 30	254.5	501.8	39.4,39.4
40	365.6	362.5	349.2	339.5	336.5	340.5	353.7	364.2	30- 40	264.5	766.3	60.2,60.2
50	227.9	226.2	216.4	208.3	205.5	208.2	218.5	226.2	40- 50	216.8	983.1	77.2,77.2
60	127.5	127.0	120.9	116.0	114.2	115.1	121.8	125.9	50- 60	147.7	1131	88.8,88.8
70	64.36	64.06	60.80	58.29	57.21	57.67	61.01	63.53	60- 70	87.39	1218	95.7,95.7
80	26.13	25.54	23.53	22.16	21.77	22.09	23.99	25.80	70- 80	43.34	1262	99.1,99.1
90	1.002	0.4845	0.1248	0.1269	0.1061	0.1061	0.2516	1.021	80- 90	11.51	1273	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	6036	4832
80	6711	6045
75	7460	6937
70	8393	7929
65	9712	9188
60	11372	10784
55	13403	12721
50	15815	15018
45	18506	17602

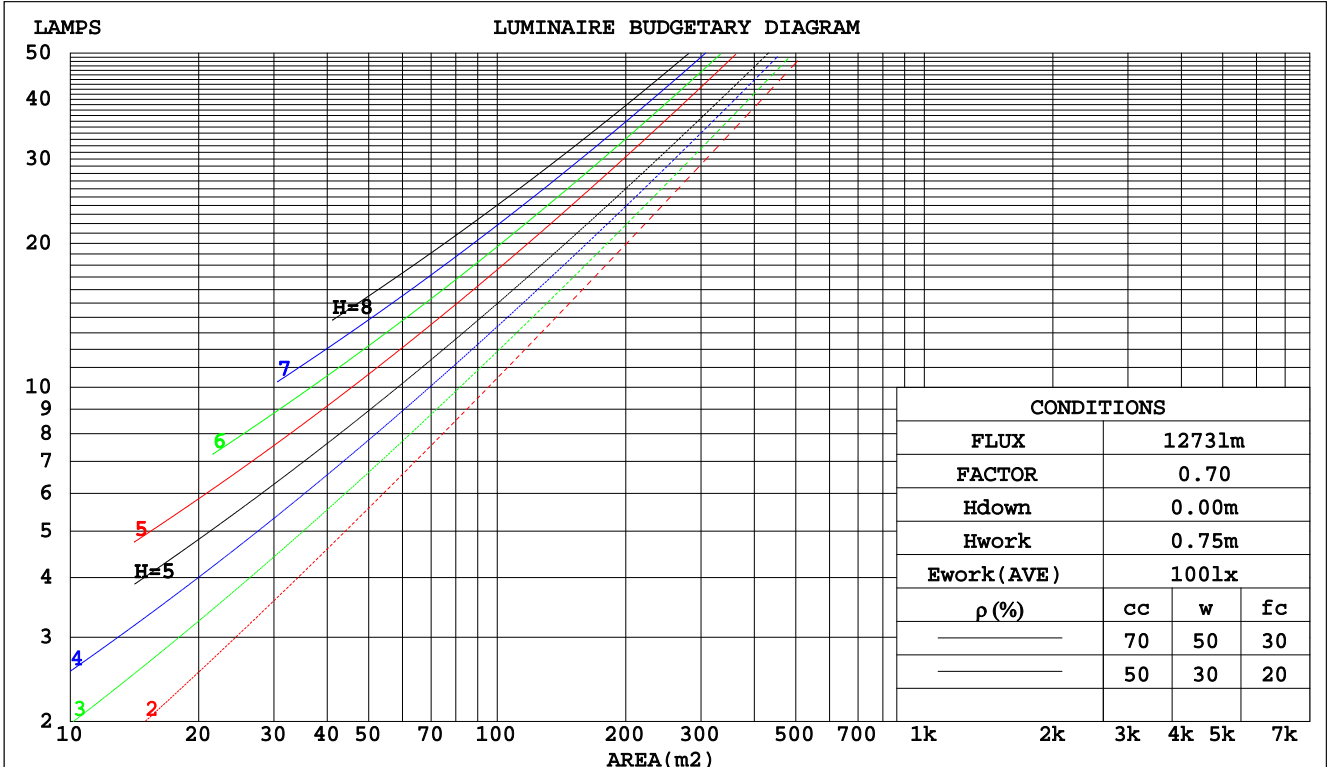
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 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.3V I:0.0660A P:13.39W PF:0.9212 Lamp Flux:1273.05x1 lm		
NAME: C6F-10S-840	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρw																0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.07	1.03	.00	1.04	1.01	.98	1.00	.98	.95	.96	.94	.92	.93	.91	.90	.88
2.0	.95	.90	.85	.94	.88	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.86	.79	.73	.84	.78	.72	.81	.76	.71	.79	.74	.70	.76	.72	.69	.67
4.0	.77	.70	.64	.76	.69	.63	.74	.67	.62	.71	.66	.62	.69	.65	.61	.59
5.0	.70	.62	.56	.69	.62	.56	.67	.60	.55	.65	.59	.55	.63	.58	.54	.52
6.0	.64	.56	.50	.63	.56	.50	.61	.55	.50	.60	.54	.49	.58	.53	.49	.47
7.0	.59	.51	.45	.58	.50	.45	.56	.50	.45	.55	.49	.44	.54	.48	.44	.42
8.0	.54	.46	.41	.53	.46	.41	.52	.45	.41	.51	.45	.40	.50	.44	.40	.38
9.0	.50	.43	.37	.49	.42	.37	.48	.42	.37	.47	.41	.37	.46	.41	.37	.35
10.0	.46	.39	.34	.46	.39	.34	.45	.39	.34	.44	.38	.34	.43	.38	.34	.32



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WEC AND CCEC

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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	.256	.145	.046	.249	.142	.045	.236	.135	.043	.224	.129	.041	.213	.123	.040	
2.0	.245	.134	.041	.239	.132	.041	.228	.127	.039	.217	.122	.038	.207	.117	.037	
3.0	.230	.123	.037	.225	.121	.036	.215	.117	.035	.206	.113	.035	.198	.109	.034	
4.0	.216	.112	.033	.211	.110	.033	.202	.107	.032	.194	.104	.031	.187	.102	.031	
5.0	.202	.103	.030	.198	.102	.030	.190	.099	.029	.183	.097	.029	.176	.094	.028	
6.0	.190	.095	.027	.186	.094	.027	.179	.092	.027	.173	.090	.026	.167	.088	.026	
7.0	.178	.088	.025	.175	.087	.025	.169	.085	.025	.163	.084	.024	.158	.082	.024	
8.0	.168	.082	.023	.165	.081	.023	.160	.080	.023	.154	.078	.023	.150	.077	.022	
9.0	.159	.077	.021	.156	.076	.021	.151	.075	.021	.146	.073	.021	.142	.072	.021	
10.0	.150	.072	.020	.148	.071	.020	.143	.070	.020	.139	.069	.020	.135	.068	.020	

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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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.177	.157	.139	.151	.134	.119	.103	.092	.083	.059	.054	.048	.019	.017	.016	
2.0	.166	.132	.104	.142	.114	.090	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.157	.114	.080	.134	.098	.069	.092	.068	.049	.053	.040	.029	.017	.013	.009	
4.0	.149	.100	.063	.128	.087	.055	.088	.060	.039	.051	.035	.023	.016	.012	.008	
5.0	.141	.089	.051	.121	.077	.045	.083	.054	.032	.048	.032	.019	.016	.010	.006	
6.0	.134	.081	.043	.115	.070	.037	.080	.049	.026	.046	.029	.016	.015	.009	.005	
7.0	.128	.074	.036	.110	.064	.031	.076	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.122	.068	.031	.105	.059	.027	.072	.041	.019	.042	.024	.011	.014	.008	.004	
9.0	.116	.063	.027	.100	.055	.024	.069	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.111	.059	.024	.096	.051	.021	.066	.036	.015	.039	.021	.009	.013	.007	.003	

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 Humidity:53.0%
 Test Distance:5.780m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

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SPEC.:4000K	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	21.3	22.6	21.5	22.8	23.0	21.1	22.4	21.3	22.6	22.8
3H	22.0	23.2	22.3	23.5	23.7	21.8	23.0	22.1	23.2	23.5
4H	22.3	23.5	22.6	23.7	24.0	22.1	23.2	22.4	23.5	23.7
6H	22.5	23.6	22.8	23.9	24.1	22.3	23.3	22.6	23.6	23.9
8H	22.6	23.6	22.9	23.9	24.2	22.3	23.4	22.6	23.6	23.9
12H	22.6	23.6	23.0	23.9	24.2	22.3	23.3	22.7	23.6	23.9
4H 2H	21.5	22.7	21.8	22.9	23.2	21.4	22.5	21.7	22.8	23.0
3H	22.5	23.5	22.8	23.8	24.1	22.3	23.3	22.6	23.6	23.9
4H	22.9	23.8	23.3	24.1	24.4	22.7	23.6	23.0	23.9	24.2
6H	23.2	24.0	23.6	24.4	24.7	23.0	23.8	23.4	24.1	24.5
8H	23.3	24.1	23.7	24.5	24.8	23.1	23.8	23.5	24.2	24.6
12H	23.4	24.1	23.8	24.5	24.9	23.1	23.8	23.5	24.2	24.6
8H 4H	23.0	23.8	23.4	24.1	24.5	22.8	23.6	23.2	23.9	24.3
6H	23.5	24.1	23.9	24.5	24.9	23.2	23.8	23.7	24.2	24.7
8H	23.6	24.2	24.1	24.6	25.1	23.4	23.9	23.8	24.4	24.8
12H	23.8	24.3	24.3	24.7	25.2	23.5	24.0	24.0	24.4	24.9
12H 4H	23.0	23.7	23.4	24.1	24.5	22.8	23.5	23.2	23.9	24.3
6H	23.5	24.0	23.9	24.4	24.9	23.3	23.8	23.7	24.2	24.7
8H	23.7	24.2	24.2	24.6	25.1	23.4	23.9	23.9	24.4	24.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.5 / - 0.6				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.8 / - 0.7					+ 0.8 / - 0.7				

CIE Pub.117 Corrected 1273 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.8)

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UTILIZATION FACTORS TABLE

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SPEC.:4000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

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	67	57	51	66	56	51	65	56	50	45
0.80	76	67	60	75	66	60	74	65	60	54
1.00	84	75	69	83	74	69	81	75	68	62
1.25	90	82	76	89	81	76	87	80	75	69
1.50	95	87	81	93	86	81	90	84	79	73
2.00	100	93	88	99	92	87	95	90	86	79
2.50	103	97	92	101	96	91	98	93	89	82
3.00	106	100	96	104	99	95	100	96	93	85
4.00	109	105	101	107	103	99	103	100	97	89
5.00	111	107	104	109	105	102	104	102	99	91
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

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ISOCANDELA DIAGRAM

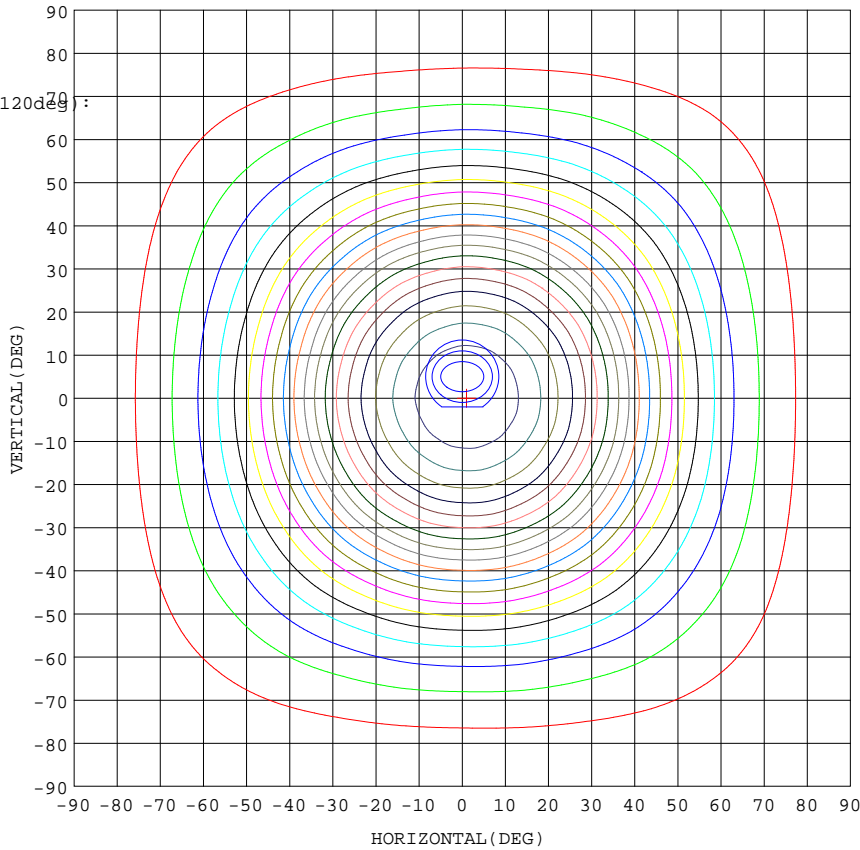
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Conical surface Flux(90deg):

882.97 lm
 %lum = 69.4%
 %lamp = 69.4%

Conical surface Flux(120deg):

1130.8 lm
 %lum = 88.8%
 %lamp = 88.8%



1. AVG=692.2,MIN=682.3
2. AVG=689.4,MIN=671.5
3. AVG=685.6,MIN=657.8

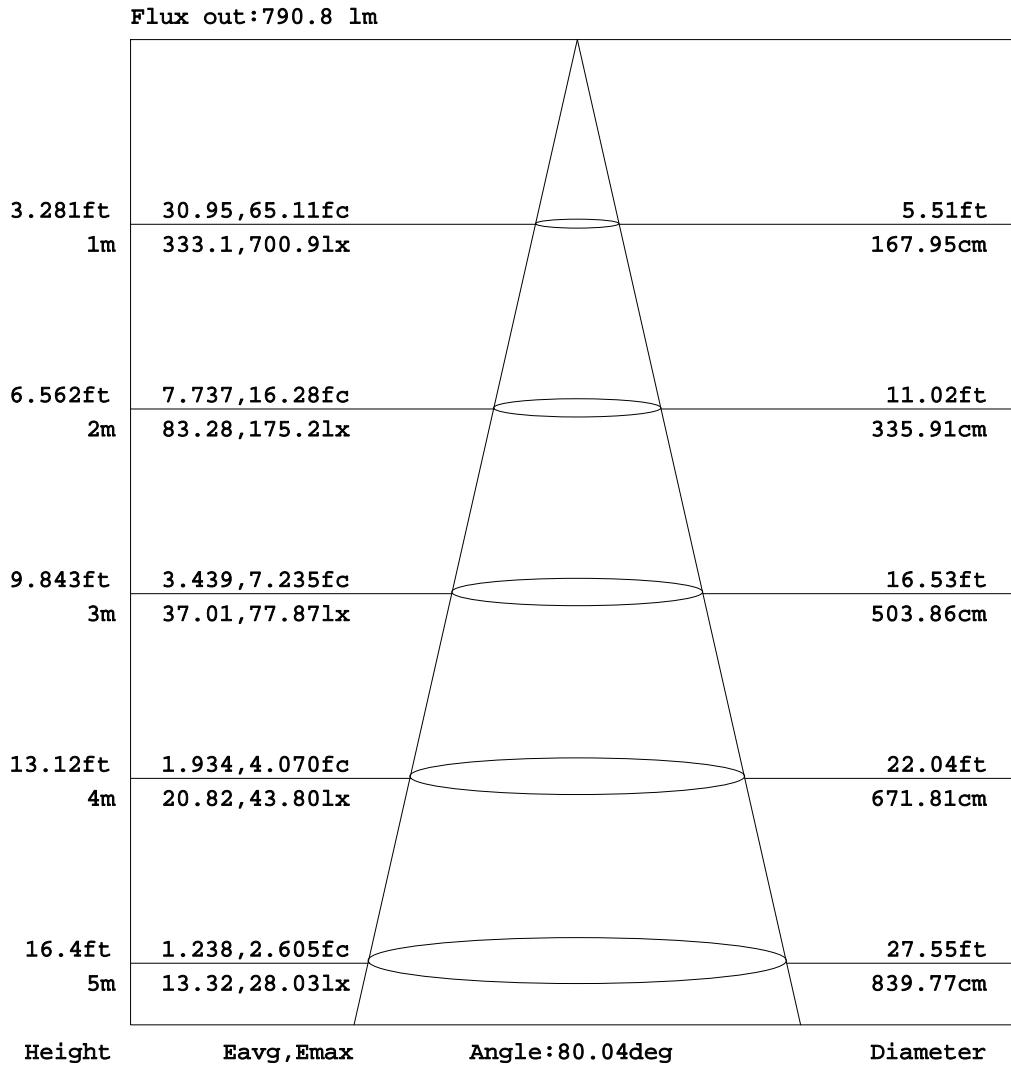
I_{max}:701.1(H1.0,V0.0)
 (At:C=0.0,Gamma=1.0)
 UNIT: cd

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AAI Figure

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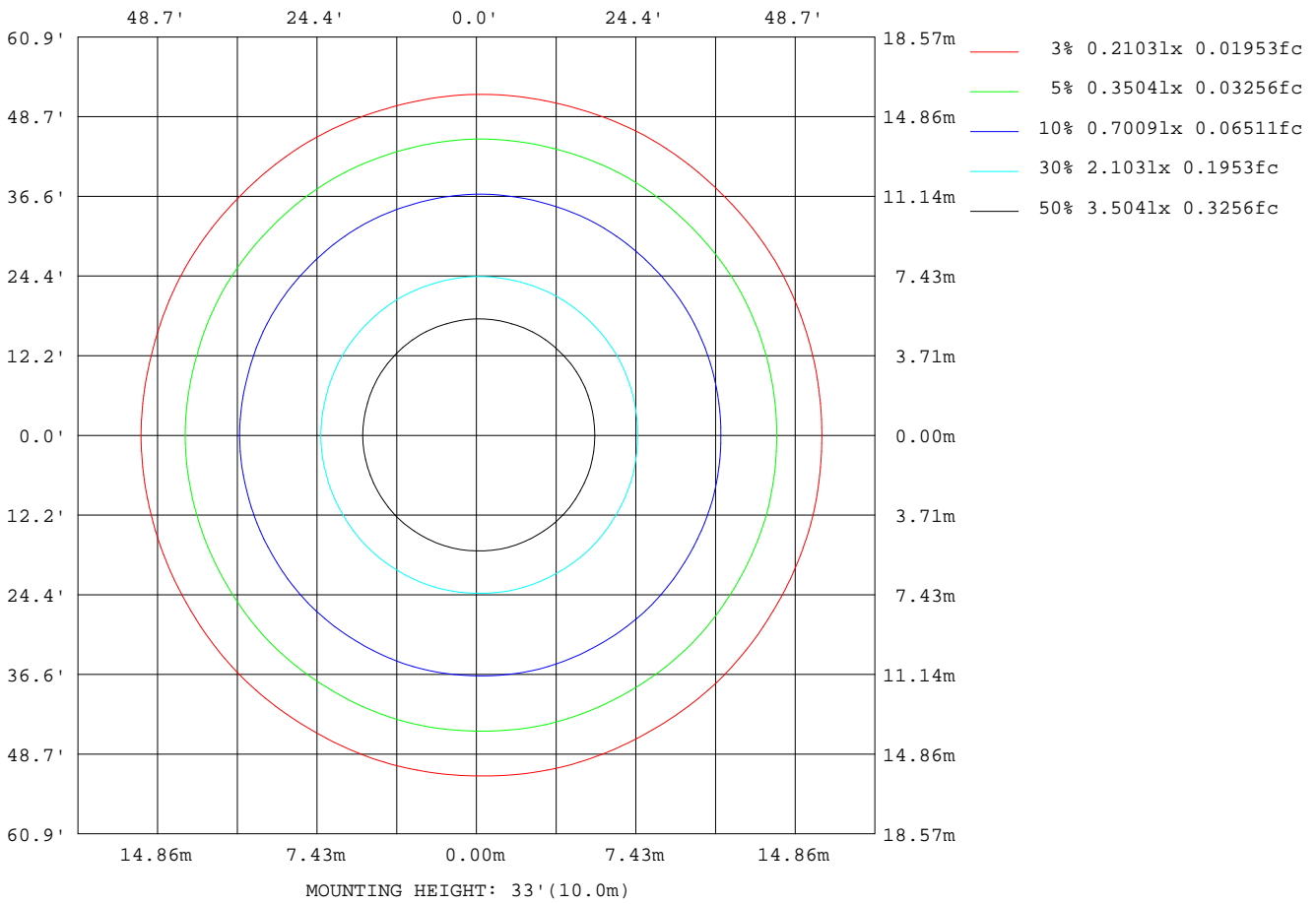
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

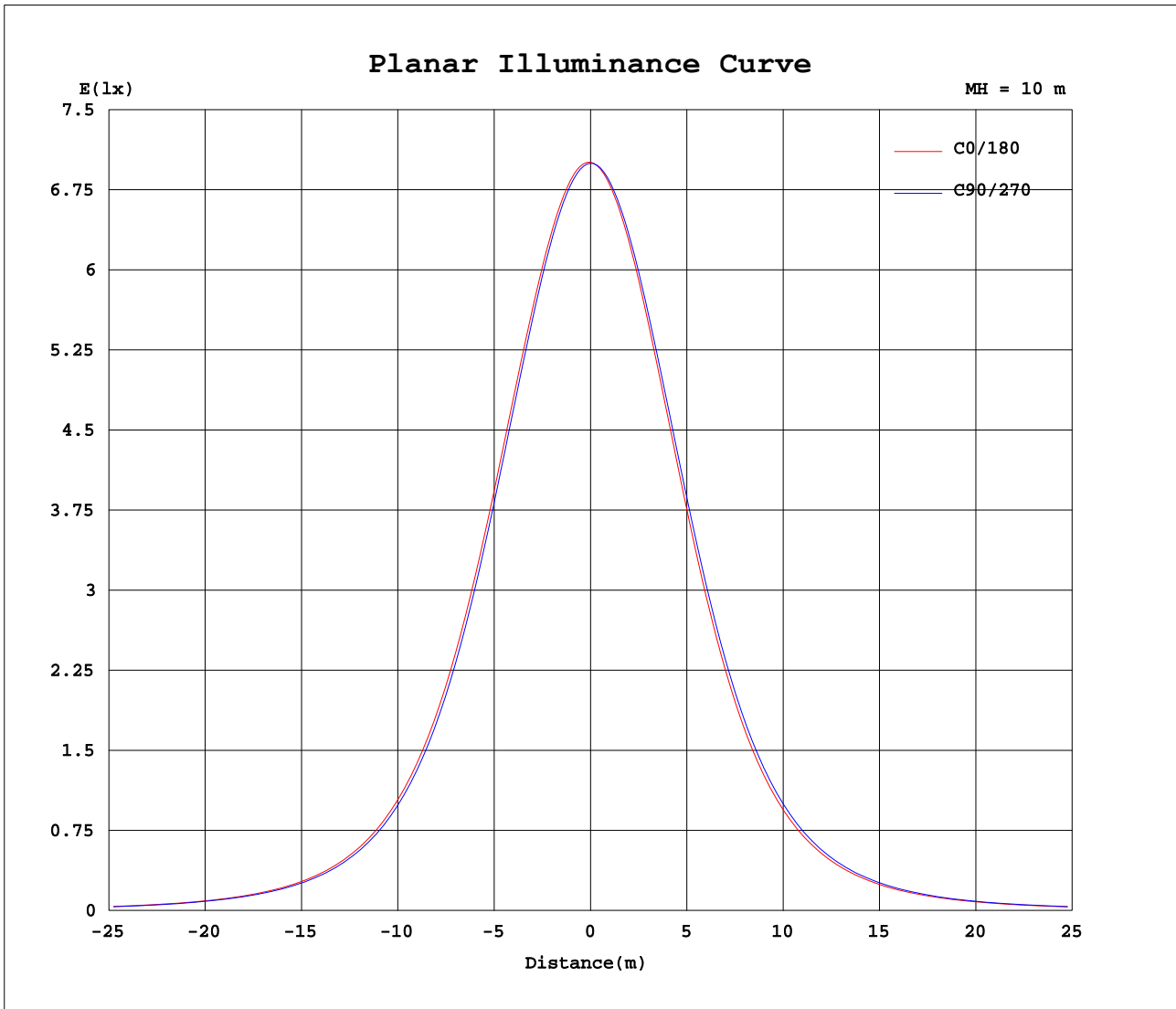
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Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

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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	701	701	701	700	700	700	700	700	700	700	700	700	701	701	701	700	700	700	700
5	697	697	696	696	695	694	693	693	692	691	691	691	692	692	692	693	693	694	694
10	681	681	680	679	677	676	674	673	671	671	670	670	672	671	672	673	674	675	677
15	654	654	652	651	648	647	644	643	640	639	638	638	640	639	641	641	644	646	649
20	616	616	613	612	609	607	603	602	598	597	595	595	597	596	599	600	603	605	609
25	567	567	564	563	559	557	552	550	546	545	542	542	543	543	546	547	551	553	558
30	508	508	505	503	499	496	491	489	484	482	478	478	480	479	483	484	489	492	497
35	439	440	436	435	430	428	422	419	414	412	408	408	410	409	412	414	419	421	427
40	366	366	363	362	358	355	349	347	341	339	335	335	336	335	339	341	346	348	354
45	293	294	292	291	286	284	279	277	272	270	266	265	267	266	269	270	275	277	283
50	228	229	227	226	222	221	216	215	210	208	205	204	206	205	207	208	212	214	219
55	172	173	171	171	168	167	164	162	158	157	154	154	155	154	156	156	160	161	165
60	127	128	127	127	124	124	121	120	117	116	113	113	114	113	115	115	118	119	122
65	92.0	92.8	91.5	91.6	89.7	89.3	87.1	86.5	84.2	83.6	81.6	81.5	82.2	81.4	82.6	82.7	84.7	85.2	87.5
70	64.4	65.0	63.9	64.1	62.5	62.4	60.8	60.3	58.7	58.3	57.0	56.8	57.2	56.8	57.5	57.7	59.0	59.5	61.0
75	43.3	43.6	42.8	42.8	41.7	41.4	40.3	39.9	38.7	38.4	37.5	37.4	37.8	37.4	38.0	38.1	39.0	39.3	40.5
80	26.1	26.3	25.7	25.5	24.7	24.4	23.5	23.2	22.4	22.2	21.5	21.5	21.8	21.6	22.0	22.1	22.8	23.1	24.0
85	11.8	11.8	11.3	11.1	10.5	10.1	9.44	9.14	8.52	8.37	7.92	7.93	8.24	8.17	8.53	8.64	9.15	9.43	10.1
90	1.00	0.89	0.71	0.48	0.26	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.11	0.11	0.11	0.11	0.10	0.11	0.25

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Cao Chengpei
 Test Date:2014-09-01

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:220.3V I:0.0660A P:13.39W PF:0.9212 Lamp Flux:1273.05x1 lm		
NAME: C6F-10S-840	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	700	700	700	700	700														
5	695	696	696	697	696														
10	678	680	680	681	681														
15	650	652	653	655	654														
20	611	614	615	617	617														
25	561	565	566	569	568														
30	500	505	507	510	509														
35	430	436	438	441	441														
40	357	362	364	368	367														
45	285	290	292	295	295														
50	220	225	226	229	229														
55	166	170	171	173	173														
60	122	126	126	128	128														
65	88.2	90.5	90.9	92.7	92.4														
70	61.7	63.3	63.5	65.0	64.7														
75	41.1	42.3	42.7	43.6	43.6														
80	24.5	25.5	25.8	26.5	26.4														
85	10.6	11.4	11.7	12.1	12.1														
90	0.55	0.79	1.02	1.14	1.23														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Cao Chengpei
Test Date:2014-09-01

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	700.9	700.8	700.6	700.3	700.1	700.0	699.9	700.0	700.0	700.0
3.0	700.1	700.0	699.4	699.1	698.4	697.9	697.2	697.1	696.5	696.3
6.0	694.9	694.6	693.7	693.3	692.0	691.3	690.1	689.6	688.5	688.3
9.0	685.2	685.2	683.7	683.2	681.4	680.6	678.7	678.0	676.3	676.1
12.0	671.6	671.5	669.8	669.0	666.7	665.7	663.4	662.4	660.2	659.7
15.0	654.0	653.9	651.8	650.8	648.2	646.9	644.0	642.9	640.1	639.3
18.0	632.5	632.4	630.0	628.8	625.9	624.3	621.0	619.5	616.3	615.3
21.0	607.2	607.0	604.2	603.0	599.8	597.9	594.1	592.2	588.7	587.4
24.0	577.8	577.6	574.7	573.5	569.7	567.7	563.2	561.2	557.2	555.8
27.0	544.5	544.4	541.4	540.2	535.9	533.8	528.9	526.6	522.1	520.7
30.0	507.6	507.7	504.6	503.2	498.7	496.3	491.0	488.6	483.8	482.1
33.0	467.3	467.6	464.4	463.1	458.2	455.7	450.1	447.6	442.5	440.7
36.0	424.6	425.3	421.8	420.9	415.7	413.2	407.2	404.9	399.5	397.8
39.0	380.6	381.3	378.1	377.2	372.1	369.6	363.7	361.2	356.0	354.0
42.0	336.4	337.2	334.3	333.4	328.7	326.2	320.6	318.1	312.9	311.0
45.0	293.4	294.5	291.6	291.1	286.4	284.5	279.0	276.9	271.7	270.0
48.0	253.0	254.0	251.5	251.0	247.0	245.2	240.4	238.3	233.5	231.7
51.0	216.0	216.9	214.8	214.3	210.7	209.3	205.1	203.2	198.9	197.1
54.0	182.5	183.6	181.6	181.3	178.1	177.1	173.3	171.8	167.9	166.4
57.0	153.2	154.1	152.4	152.1	149.5	148.6	145.4	144.1	140.7	139.4
60.0	127.5	128.4	126.7	127.0	124.4	124.0	120.9	120.3	116.9	116.0
63.0	105.1	106.0	104.5	104.6	102.5	102.1	99.61	98.89	96.28	95.60
66.0	85.86	86.66	85.30	85.54	83.64	83.39	81.15	80.70	78.43	78.03
69.0	69.32	70.06	68.85	69.06	67.44	67.27	65.34	65.04	63.12	62.87
72.0	55.45	55.79	54.95	54.91	53.74	53.36	51.98	51.53	50.17	49.76
75.0	43.29	43.58	42.81	42.78	41.74	41.44	40.26	39.89	38.74	38.44
78.0	32.62	32.78	32.12	32.02	31.16	30.84	29.86	29.52	28.57	28.32
81.0	23.08	23.19	22.59	22.46	21.68	21.39	20.52	20.23	19.42	19.23
84.0	14.47	14.51	13.98	13.82	13.12	12.83	12.08	11.81	11.12	10.96
87.0	6.752	6.719	6.278	6.058	5.489	5.167	4.587	4.328	3.875	3.748
90.0	1.002	0.8901	0.7112	0.4845	0.2599	0.1227	0.1248	0.1248	0.1269	0.1269
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	699.8	699.8	700.9	700.6	700.3	700.3	700.1	700.0	699.9	700.0
3.0	695.9	695.9	697.1	697.0	697.2	697.1	697.5	697.6	698.1	698.6
6.0	687.5	687.6	688.9	688.7	689.2	689.4	690.4	690.9	692.0	692.6
9.0	674.9	675.1	676.4	676.1	677.1	677.6	679.1	679.8	681.7	682.4
12.0	658.2	658.5	660.1	659.6	660.9	661.6	663.7	664.9	667.2	668.1
15.0	637.5	637.9	639.6	639.0	640.7	641.4	644.3	645.6	648.6	649.9
18.0	613.1	613.3	615.4	614.7	616.7	617.6	621.0	622.6	626.3	627.9
21.0	584.8	585.0	587.1	586.4	589.0	589.9	593.6	595.5	599.8	601.8
24.0	552.9	553.0	555.1	554.4	557.1	558.3	562.5	564.7	569.4	571.8
27.0	517.3	517.3	519.2	518.5	521.6	523.1	527.6	529.9	535.1	537.6
30.0	478.5	478.4	480.2	479.4	482.7	484.2	489.3	491.6	497.1	499.6
33.0	436.7	436.5	438.4	437.5	441.1	442.7	447.9	450.2	456.0	458.7
36.0	393.3	393.2	395.0	393.9	397.7	399.2	404.7	406.8	412.8	415.5
39.0	349.7	349.3	351.0	350.1	353.7	355.3	360.5	362.7	368.4	371.4
42.0	306.8	306.2	307.9	306.9	310.5	311.8	317.0	319.1	324.7	327.3
45.0	265.7	265.4	266.9	265.9	269.2	270.4	275.3	277.2	282.6	284.7
48.0	227.9	227.5	228.8	227.9	230.7	231.9	236.3	238.2	242.9	245.0
51.0	193.7	193.2	194.5	193.5	196.1	197.0	200.9	202.6	206.9	208.7
54.0	163.3	162.9	164.1	163.0	165.3	166.0	169.5	170.9	174.7	176.1
57.0	136.7	136.3	137.3	136.4	138.3	138.9	141.8	143.0	146.3	147.5
60.0	113.5	113.3	114.2	113.1	114.9	115.1	117.9	118.5	121.8	122.5
63.0	93.38	93.33	94.01	93.18	94.60	94.72	97.01	97.60	100.2	100.9
66.0	76.08	76.10	76.66	75.83	77.15	77.10	79.06	79.43	81.65	82.24
69.0	61.42	61.28	61.73	61.24	62.09	61.93	63.63	63.90	65.82	66.25
72.0	48.63	48.50	48.91	48.53	49.17	49.32	50.42	50.84	52.22	52.85
75.0	37.48	37.42	37.75	37.44	37.99	38.08	38.99	39.34	40.52	41.09
78.0	27.54	27.49	27.84	27.58	28.05	28.15	28.91	29.22	30.23	30.77
81.0	18.60	18.56	18.90	18.70	19.14	19.20	19.88	20.15	21.05	21.51
84.0	10.44	10.45	10.77	10.67	11.03	11.14	11.70	11.98	12.73	13.21
87.0	3.458	3.476	3.754	3.743	4.004	4.110	4.506	4.747	5.342	5.763
90.0	0.1269	0.1269	0.1061	0.1061	0.1061	0.1061	0.1040	0.1123	0.2516	0.5490
G/C	300.0	315.0	330.0	345.0						
0.0	700.0	700.0	699.8	699.8						
3.0	699.0	699.1	699.3	699.2						
6.0	693.5	693.8	694.4	694.3						
9.0	683.8	684.3	685.3	685.0						
12.0	670.2	670.8	671.9	671.6						
15.0	652.5	653.1	654.7	654.1						
18.0	631.0	631.7	633.4	632.9						
21.0	605.4	606.2	608.4	607.7						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: Cao Chengpei

Test Date: 2014-09-01

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	575.9	577.0	579.4	578.7
27.0	542.4	543.7	546.5	545.7
30.0	505.0	506.5	509.8	508.8
33.0	464.4	466.2	469.7	468.7
36.0	421.6	423.2	427.0	426.1
39.0	377.3	379.1	382.8	382.0
42.0	333.1	334.8	338.6	337.7
45.0	290.3	291.7	295.5	294.7
48.0	249.8	251.3	254.6	254.2
51.0	212.9	214.2	217.2	216.8
54.0	180.0	180.8	183.7	183.3
57.0	150.8	151.6	154.0	153.8
60.0	125.6	125.9	128.3	127.9
63.0	103.5	103.9	105.9	105.6
66.0	84.55	84.85	86.57	86.25
69.0	68.25	68.45	69.98	69.65
72.0	54.31	54.75	55.80	55.76
75.0	42.33	42.71	43.61	43.59
78.0	31.82	32.17	32.91	32.91
81.0	22.45	22.76	23.40	23.36
84.0	14.00	14.29	14.80	14.79
87.0	6.424	6.699	7.091	7.070
90.0	0.7944	1.021	1.142	1.227

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Cao Chengpei
 Test Date: 2014-09-01

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: