

LED Downlight CATO Series C6F-20S-840



Light Output Ratio:	100.0%	
Luminaire Power:	21.53 W	
SHR Nominal:	1.00	Calculated using the TM5
SHR Maximum:	1.15	fine grid method.

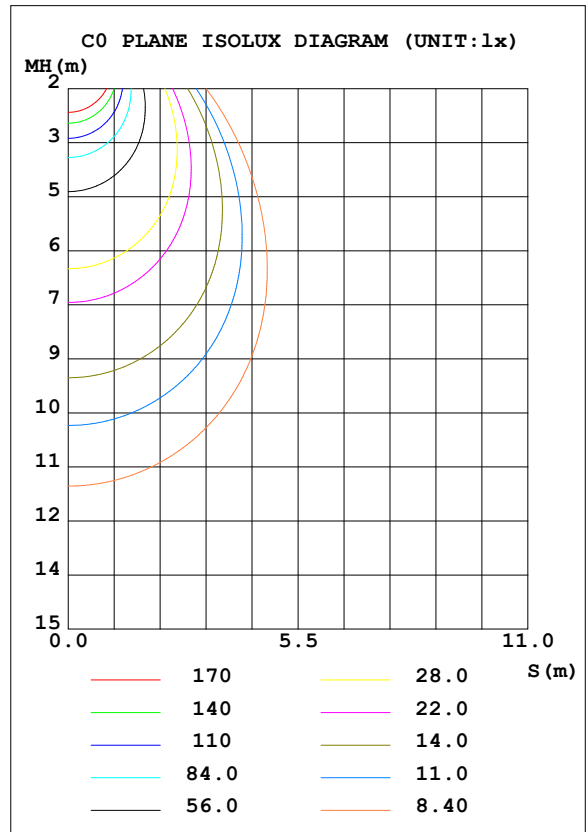
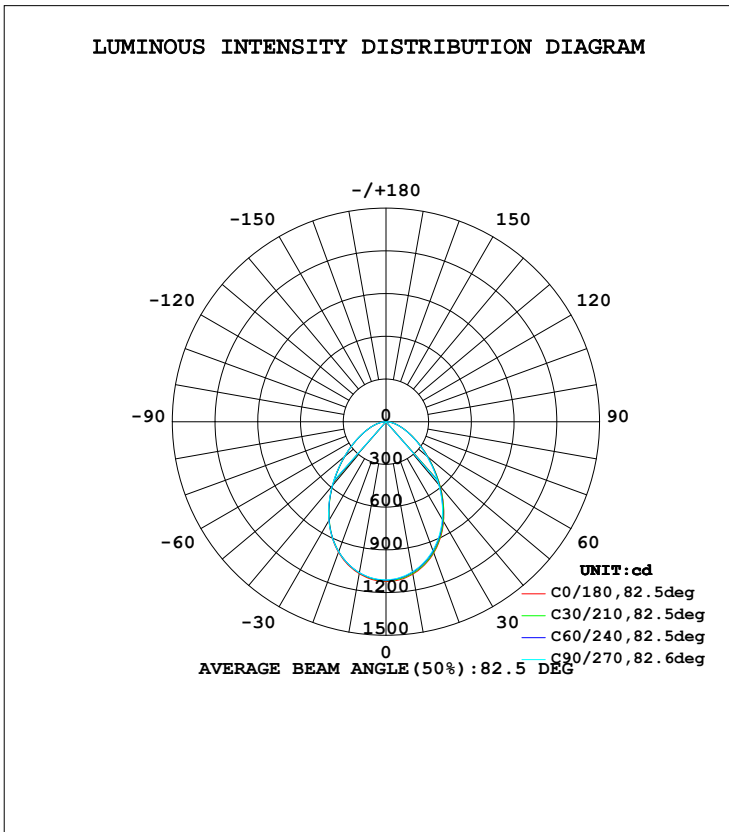
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Cao Chengpei
 Test Date: 2014-08-30

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:220.3V I:0.1018A P:21.53W PF:0.9593 Lamp Flux:2133.4x1 lm		
NAME: C6F-20S-840	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 99.11 lm/W			
MODEL	SAMSUNG-4000K	I _{max} (cd)	1122	S/MH (C0/180)	1.09
NOMINAL POWER (W)	22	LOR (%)	100.0	S/MH (C90/270)	1.10
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	2133.4	η UP, DN (C0-180)	0.0, 49.8
NOMINAL FLUX (lm)	2133.4	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.2
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



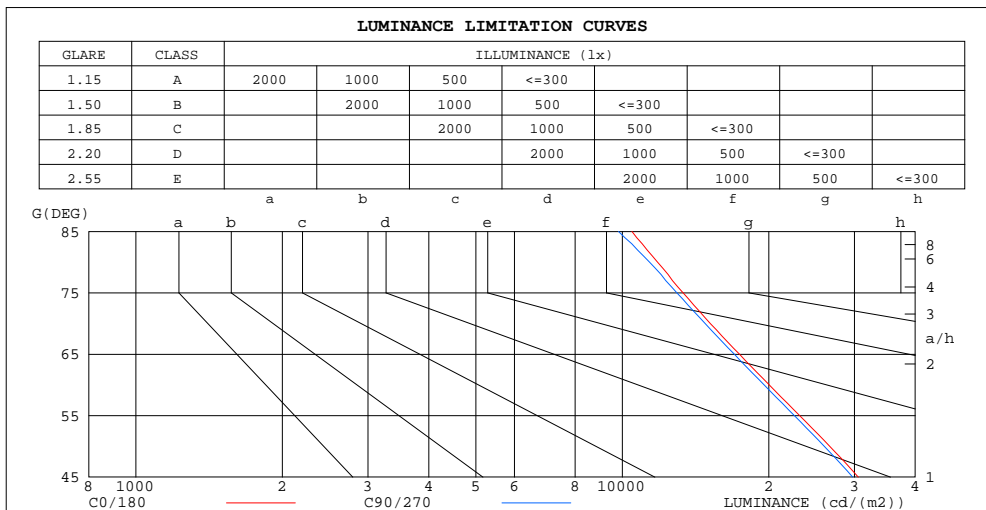
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Cao Chengpei
 Test Date: 2014-08-30

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:

**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	1086	1077	1070	1068	1084	1077	1076	1074	0- 10	104.4	104.4	4.89,4.89
20	980.7	971.2	962.1	960.3	975.7	969.3	972.2	970.3	10- 20	289.7	394.1	18.5,18.5
30	808.7	800.8	790.4	788.2	801.8	796.3	802.3	800.9	20- 30	408.8	802.8	37.6,37.6
40	592.5	587.0	577.3	575.2	584.9	581.3	588.4	587.3	30- 40	432.1	1235	57.9,57.9
50	384.8	381.7	374.9	372.8	378.6	376.0	382.6	381.5	40- 50	368.1	1603	75.1,75.1
60	224.8	223.6	219.4	217.6	220.8	218.9	223.5	222.7	50- 60	263.6	1867	87.5,87.5
70	116.4	116.1	113.5	112.7	114.5	113.3	116.0	115.6	60- 70	162.3	2029	95.1,95.1
80	46.01	45.74	44.29	44.03	45.07	44.91	46.15	46.03	70- 80	81.70	2111	98.9,98.9
90	0.2870	0.2662	0.2683	0.2683	0.2392	0.3286	0.6779	0.6925	80- 90	22.89	2133	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	10469	9817
80	11817	11377
75	13340	12954
70	15176	14804
65	17413	16994
60	20056	19573
55	23153	22580
50	26703	26015
45	30545	29754

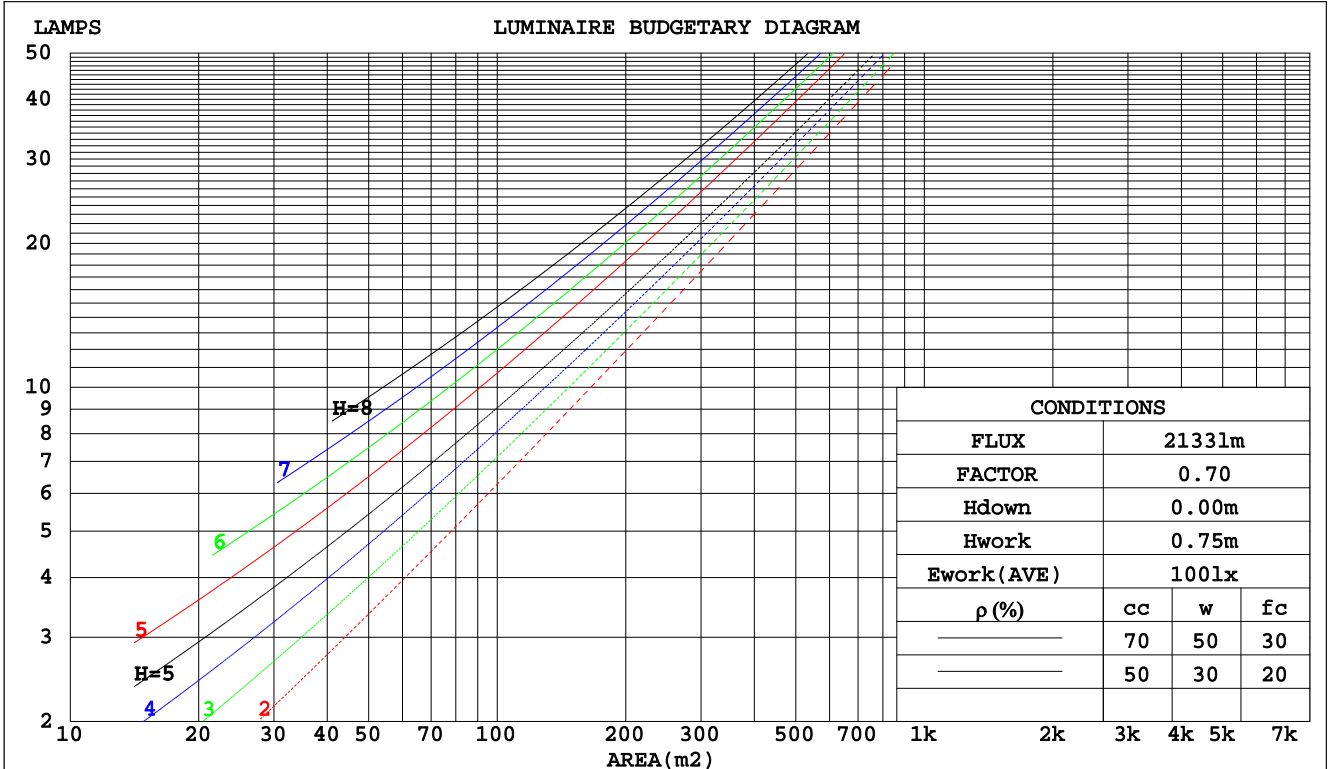
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Cao Chengpei
 Test Date:2014-08-30

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.3V I:0.1018A P:21.53W PF:0.9593 Lamp Flux:2133.4x1 lm		
NAME: C6F-20S-840	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	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	1.06	1.03	.99	1.04	1.01	.98	.90	.97	.95	.96	.94	.92	.92	.91	.89	.87
2.0	.95	.89	.84	.93	.87	.83	.89	.85	.81	.86	.82	.79	.83	.80	.77	.75
3.0	.85	.77	.72	.83	.77	.71	.80	.75	.70	.78	.73	.69	.75	.71	.68	.66
4.0	.76	.68	.62	.75	.68	.62	.73	.66	.61	.70	.65	.60	.68	.64	.60	.58
5.0	.69	.61	.55	.68	.60	.55	.66	.59	.54	.64	.58	.54	.62	.57	.53	.51
6.0	.63	.55	.49	.62	.54	.49	.60	.53	.48	.59	.53	.48	.57	.52	.48	.46
7.0	.58	.50	.44	.57	.49	.44	.55	.48	.43	.54	.48	.43	.53	.47	.43	.41
8.0	.53	.45	.40	.52	.45	.40	.51	.44	.39	.50	.44	.39	.49	.43	.39	.37
9.0	.49	.41	.36	.48	.41	.36	.47	.41	.36	.46	.40	.36	.45	.40	.36	.34
10.0	.45	.38	.33	.45	.38	.33	.44	.37	.33	.43	.37	.33	.42	.37	.33	.31



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:

WEC AND CCEC

Test:U:220.3V I:0.1018A P:21.53W PF:0.9593 Lamp Flux:2133.4x1 lm		
NAME: C6F-20S-840	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.263	.150	.047	.256	.146	.046	.243	.140	.045	.231	.134	.043	.220	.128	.041	
2.0	.251	.138	.042	.245	.135	.042	.234	.130	.040	.224	.125	.039	.214	.121	.038	
3.0	.236	.126	.038	.231	.123	.037	.221	.120	.036	.211	.116	.036	.203	.112	.035	
4.0	.220	.115	.034	.216	.113	.033	.207	.110	.033	.199	.107	.032	.191	.104	.032	
5.0	.206	.105	.030	.202	.104	.030	.194	.101	.030	.187	.099	.029	.180	.096	.029	
6.0	.193	.097	.028	.189	.096	.028	.182	.094	.027	.176	.091	.027	.170	.089	.027	
7.0	.181	.090	.025	.178	.089	.025	.172	.087	.025	.166	.085	.025	.161	.083	.025	
8.0	.170	.083	.023	.168	.083	.023	.162	.081	.023	.157	.079	.023	.152	.078	.023	
9.0	.161	.078	.022	.158	.077	.022	.153	.076	.021	.149	.074	.021	.144	.073	.021	
10.0	.152	.073	.020	.150	.072	.020	.145	.071	.020	.141	.070	.020	.137	.069	.020	

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	.177	.157	.138	.152	.134	.119	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.167	.132	.103	.143	.114	.089	.098	.079	.062	.056	.046	.036	.018	.015	.012	
3.0	.158	.114	.079	.135	.098	.069	.093	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.150	.100	.063	.129	.087	.054	.088	.060	.038	.051	.035	.023	.016	.012	.007	
5.0	.142	.090	.051	.122	.078	.044	.084	.054	.031	.049	.032	.019	.016	.010	.006	
6.0	.135	.081	.042	.116	.070	.037	.080	.049	.026	.047	.029	.015	.015	.009	.005	
7.0	.129	.074	.036	.111	.064	.031	.077	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.123	.068	.031	.106	.059	.027	.073	.041	.019	.043	.024	.011	.014	.008	.004	
9.0	.117	.063	.027	.101	.055	.023	.070	.039	.017	.041	.023	.010	.013	.007	.003	
10.0	.112	.059	.024	.096	.051	.021	.067	.036	.015	.039	.021	.009	.013	.007	.003	

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:

UGR(Unified Glare Rating) Table

Test:U:220.3V I:0.1018A P:21.53W PF:0.9593 Lamp Flux:2133.4x1 lm		
NAME: C6F-20S-840	TYPE:Downlight	SERIAL No.:
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	23.2	24.5	23.4	24.7	24.9	23.0	24.4	23.3	24.6	24.8
3H	24.0	25.3	24.3	25.5	25.7	23.9	25.1	24.2	25.4	25.6
4H	24.3	25.5	24.6	25.8	26.0	24.2	25.4	24.5	25.6	25.9
6H	24.6	25.7	24.9	25.9	26.2	24.4	25.5	24.8	25.8	26.1
8H	24.6	25.7	25.0	26.0	26.3	24.5	25.6	24.8	25.8	26.1
12H	24.7	25.7	25.0	26.0	26.3	24.5	25.6	24.9	25.8	26.1
4H 2H	23.5	24.7	23.8	24.9	25.2	23.4	24.6	23.7	24.8	25.1
3H	24.5	25.5	24.9	25.8	26.1	24.4	25.5	24.8	25.7	26.0
4H	25.0	25.9	25.3	26.2	26.5	24.9	25.8	25.2	26.1	26.4
6H	25.3	26.1	25.7	26.5	26.8	25.2	26.0	25.6	26.4	26.7
8H	25.4	26.2	25.8	26.6	26.9	25.3	26.1	25.7	26.4	26.8
12H	25.5	26.2	25.9	26.6	27.0	25.4	26.1	25.8	26.5	26.9
8H 4H	25.1	25.9	25.5	26.2	26.6	25.0	25.8	25.4	26.1	26.5
6H	25.6	26.2	26.0	26.6	27.0	25.5	26.1	25.9	26.5	26.9
8H	25.8	26.3	26.2	26.7	27.2	25.6	26.2	26.1	26.6	27.1
12H	25.9	26.4	26.4	26.8	27.3	25.8	26.3	26.2	26.7	27.2
12H 4H	25.1	25.8	25.5	26.2	26.6	25.0	25.7	25.4	26.1	26.5
6H	25.6	26.1	26.0	26.6	27.0	25.5	26.0	25.9	26.5	26.9
8H	25.8	26.3	26.3	26.7	27.2	25.7	26.2	26.2	26.6	27.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.5				
1.5H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
2.0H	+ 0.7 / - 0.6					+ 0.6 / - 0.6				

CIE Pub.117 Corrected 2133 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.6)

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:

UTILIZATION FACTORS TABLE

Test:U:220.3V I:0.1018A P:21.53W PF:0.9593 Lamp Flux:2133.4x1 lm		
NAME: C6F-20S-840	TYPE:Downlight	SERIAL No.:
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	65	55	49	65	55	49	64	54	49	43
0.80	75	65	59	74	65	58	73	64	58	52
1.00	83	73	67	82	73	67	80	74	66	60
1.25	89	80	74	88	80	74	86	78	73	67
1.50	94	85	80	92	85	79	89	83	78	71
2.00	99	92	87	98	91	86	95	89	85	78
2.50	103	96	91	101	95	90	97	92	88	81
3.00	105	100	95	103	98	94	100	95	92	84
4.00	109	104	100	106	102	99	102	99	96	88
5.00	111	107	103	108	105	102	104	101	99	90
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

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:

ISOCANDELA DIAGRAM

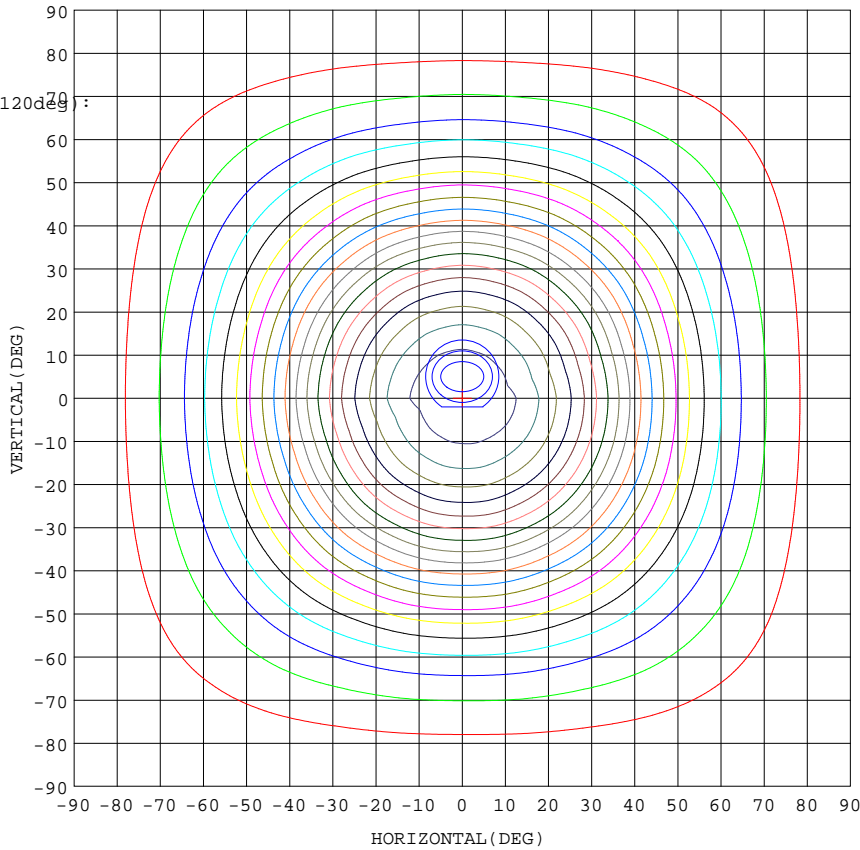
Test:U:220.3V I:0.1018A P:21.53W PF:0.9593 Lamp Flux:2133.4x1 lm		
NAME: C6F-20S-840	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

Conical surface Flux(90deg):

1430.8 lm
%lum = 67.1%
%lamp = 67.1%

Conical surface Flux(120deg):

1866.5 lm
%lum = 87.5%
%lamp = 87.5%



1. AVG=1099,MIN=1085
2. AVG=1095,MIN=1069
3. AVG=1090,MIN=1048

I_{max}:1122(H0.0,V0.0)
(At:C=0.0,Gamma=0.0)
UNIT: cd

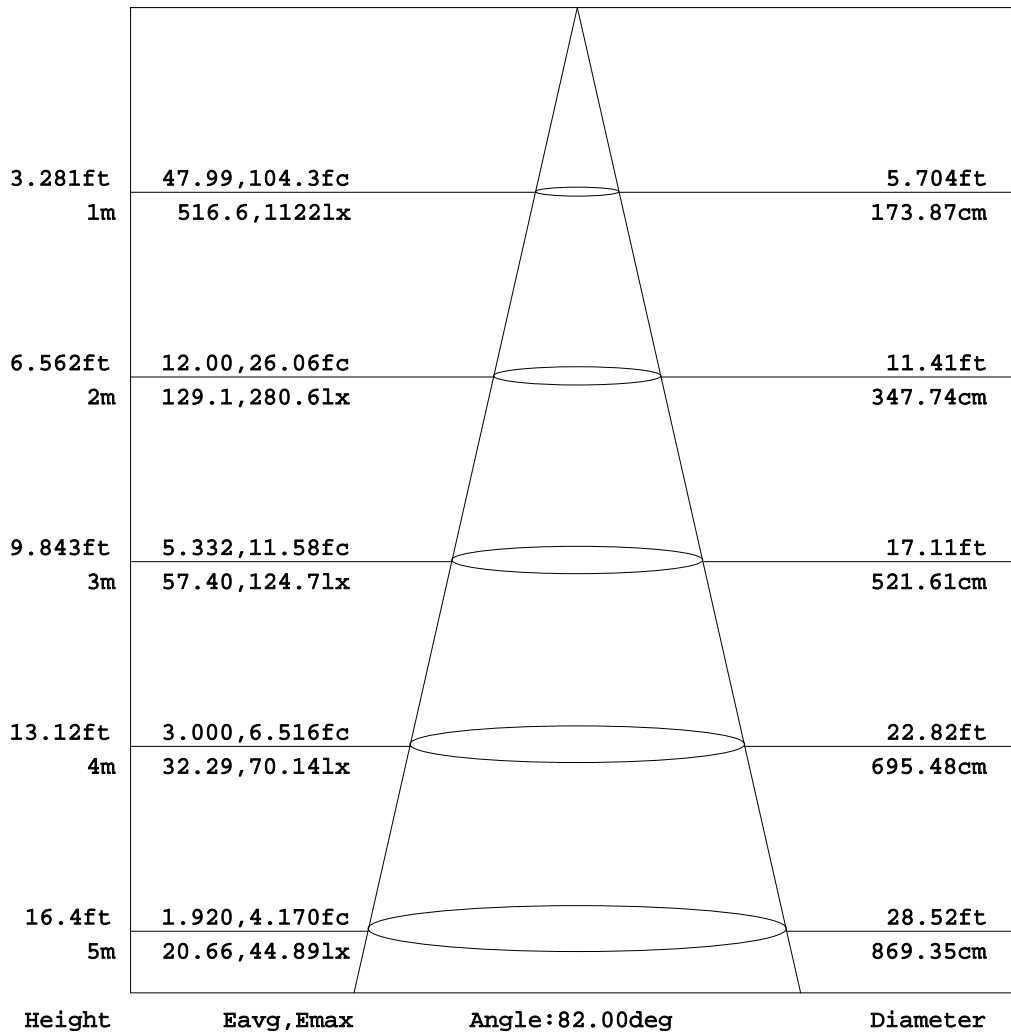
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Cao Chengpei
Test Date:2014-08-30

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:

AAI Figure

Test:U:220.3V I:0.1018A P:21.53W PF:0.9593 Lamp Flux:2133.4x1 lm		
NAME: C6F-20S-840	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

Flux out:1316 lm



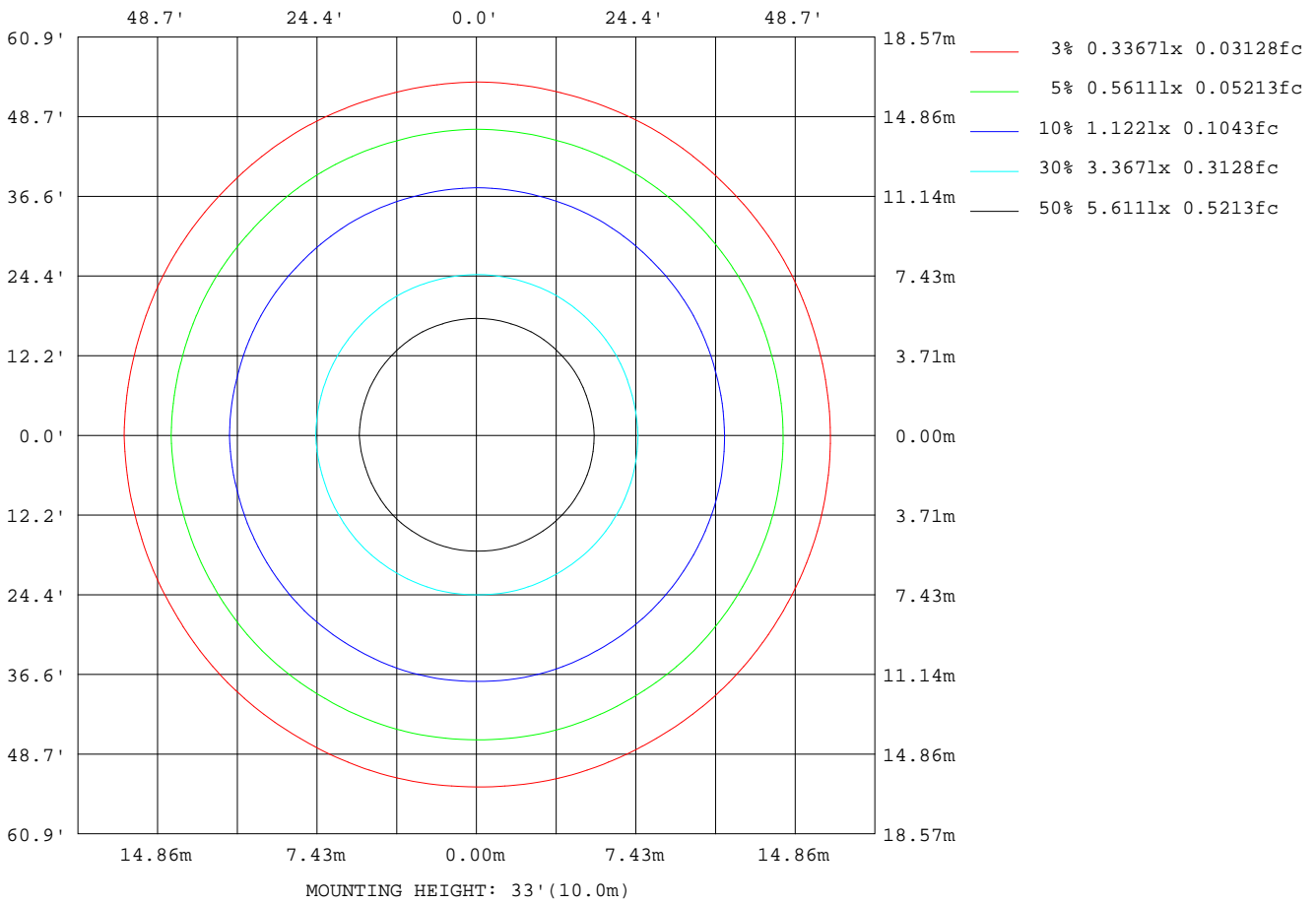
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:

ISOLUX DIAGRAM

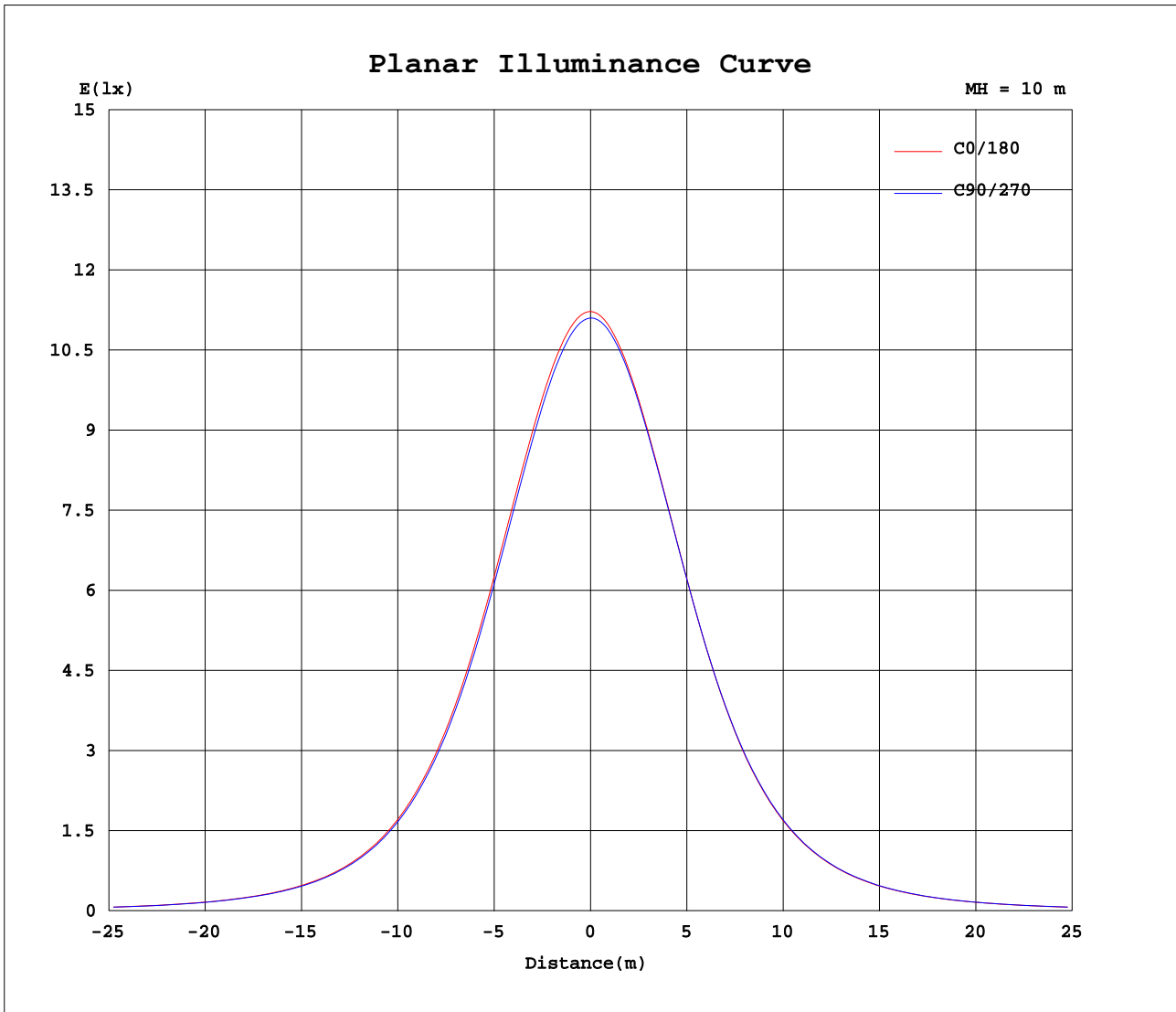
Test:U:220.3V I:0.1018A P:21.53W PF:0.9593 Lamp Flux:2133.4x1 lm		
NAME: C6F-20S-840	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		



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:

Planar Illuminance Curve



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	1122	1120	1117	1114	1112	1111	1110	1109	1108	1108
3.0	1119	1117	1114	1110	1108	1107	1106	1105	1104	1103
6.0	1110	1107	1104	1100	1098	1096	1095	1094	1093	1092
9.0	1093	1091	1088	1084	1081	1080	1077	1077	1075	1075
12.0	1071	1068	1066	1061	1057	1056	1054	1053	1051	1052
15.0	1042	1040	1037	1032	1029	1027	1024	1024	1022	1022
18.0	1007	1005	1002	997.5	993.7	992.5	988.9	988.6	986.2	987.2
21.0	966.3	964.6	961.8	957.0	952.7	951.7	947.6	947.4	944.7	945.9
24.0	919.3	917.8	915.0	910.5	906.0	904.9	900.5	900.1	897.3	898.6
27.0	866.6	865.4	862.5	858.2	853.6	852.6	847.9	847.5	844.4	845.9
30.0	808.7	807.8	805.0	800.8	796.1	795.2	790.4	790.0	786.7	788.2
33.0	746.3	745.9	742.8	739.0	734.1	733.4	728.5	728.4	724.9	726.4
36.0	681.1	681.4	677.8	674.8	669.6	669.3	664.2	664.6	660.7	662.4
39.0	614.8	615.3	611.8	609.1	604.0	603.9	599.1	599.6	595.8	597.2
42.0	548.9	549.2	546.0	543.5	538.8	538.9	534.5	534.7	531.1	532.2
45.0	484.2	485.2	481.7	480.1	475.5	476.1	471.7	472.4	468.4	469.7
48.0	423.2	424.0	421.1	419.7	415.6	416.2	412.2	412.7	409.0	410.0
51.0	366.4	367.1	364.5	363.3	360.1	360.5	357.0	357.3	354.1	354.7
54.0	314.1	315.0	312.4	311.9	308.9	309.5	306.3	306.7	303.4	304.2
57.0	267.0	267.8	265.6	265.2	262.7	263.3	260.5	260.7	257.9	258.5
60.0	224.8	225.7	223.6	223.6	221.3	221.9	219.4	219.7	217.1	217.6
63.0	187.3	188.2	186.4	186.5	184.5	185.2	182.9	183.2	180.8	181.3
66.0	154.3	155.2	153.5	153.8	152.0	152.7	150.6	151.0	148.8	149.4
69.0	125.3	126.4	124.6	125.2	123.4	124.3	122.2	122.8	120.8	121.5
72.0	99.81	100.6	99.27	99.63	98.16	98.85	97.16	97.65	95.96	96.55
75.0	77.41	78.23	76.98	77.38	75.98	76.70	75.17	75.73	74.26	74.90
78.0	57.89	58.30	57.56	57.59	56.68	56.98	55.99	56.21	55.21	55.56
81.0	40.45	40.77	40.22	40.12	39.38	39.62	38.81	39.02	38.26	38.58
84.0	25.09	25.33	24.93	24.81	24.18	24.36	23.73	23.91	23.36	23.65
87.0	12.02	12.13	11.96	11.74	11.33	11.38	10.99	11.10	10.78	10.98
90.0	0.2870	0.2703	0.2849	0.2662	0.2662	0.2662	0.2683	0.2683	0.2683	0.2683
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1107	1107	1122	1120	1117	1114	1112	1111	1110	1109
3.0	1103	1103	1118	1116	1113	1110	1110	1108	1108	1107
6.0	1091	1092	1108	1105	1102	1100	1100	1099	1099	1097
9.0	1074	1075	1091	1088	1085	1083	1084	1083	1083	1082
12.0	1051	1051	1068	1064	1062	1060	1061	1060	1061	1060
15.0	1021	1022	1038	1035	1033	1031	1031	1031	1033	1031
18.0	985.9	987.1	1003	999.0	997.7	996.1	998.0	996.8	998.5	997.0
21.0	944.5	946.0	961.3	957.3	956.4	954.7	957.2	956.0	958.3	956.5
24.0	897.0	898.9	913.6	909.6	909.1	907.4	910.3	909.2	911.8	910.2
27.0	844.1	846.1	860.3	856.3	855.9	854.5	857.5	856.7	859.6	858.0
30.0	786.2	788.3	801.8	797.8	797.9	796.3	799.8	798.6	802.3	800.7
33.0	724.0	726.2	739.2	735.3	735.4	734.1	737.6	736.7	740.6	739.1
36.0	659.5	661.9	673.7	670.1	670.5	669.2	672.9	671.9	676.2	674.5
39.0	594.2	596.2	607.0	603.6	604.1	603.4	606.9	606.3	610.3	609.0
42.0	529.4	531.0	541.2	537.6	538.7	537.7	541.8	540.8	544.9	543.4
45.0	466.6	468.4	477.3	473.7	475.1	474.0	478.1	477.3	481.4	479.7
48.0	407.2	408.8	416.6	413.3	414.7	413.8	417.5	417.0	420.6	419.1
51.0	352.2	353.3	360.3	357.3	358.7	357.7	361.3	360.8	364.1	362.8
54.0	301.6	302.8	308.8	306.0	307.5	306.5	309.9	309.3	312.5	311.0
57.0	256.1	257.1	262.3	259.8	261.2	260.3	263.2	262.7	265.4	264.3
60.0	215.4	216.4	220.8	218.4	219.8	218.9	221.5	220.8	223.5	222.3
63.0	179.4	180.3	184.0	182.1	183.3	182.5	184.7	184.2	186.3	185.5
66.0	147.6	148.5	151.6	150.0	151.1	150.2	152.2	151.7	153.5	152.7
69.0	119.7	120.8	123.4	121.7	122.8	122.0	123.8	123.1	125.0	124.0
72.0	95.15	96.00	98.21	96.89	97.75	97.19	98.64	98.07	99.54	98.80
75.0	73.58	74.47	76.19	75.10	75.85	75.40	76.69	76.10	77.38	76.67
78.0	54.79	55.31	56.76	56.13	56.52	56.46	57.31	57.02	57.87	57.50
81.0	37.98	38.45	39.59	39.11	39.46	39.46	40.20	39.97	40.66	40.34
84.0	23.23	23.65	24.47	24.21	24.38	24.58	25.11	24.98	25.50	25.31
87.0	10.64	10.92	11.68	11.54	11.64	11.91	12.30	12.24	12.60	12.47
90.0	0.2703	0.2683	0.2392	0.2496	0.2350	0.3286	0.4263	0.5864	0.6779	0.7549
G/C	300.0	315.0	330.0	345.0						
0.0	1108	1108	1107	1107						
3.0	1106	1106	1105	1104						
6.0	1097	1096	1096	1095						
9.0	1082	1081	1081	1079						
12.0	1060	1059	1059	1057						
15.0	1032	1030	1031	1029						
18.0	998.2	996.3	997.4	995.0						
21.0	958.2	956.1	957.5	954.9						

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	912.1	910.1	911.7	908.9
27.0	860.3	858.1	859.9	857.0
30.0	803.3	800.9	802.9	799.9
33.0	741.8	739.5	741.6	738.5
36.0	677.7	675.1	677.4	674.2
39.0	611.9	609.4	611.5	608.7
42.0	546.5	543.8	546.1	543.2
45.0	482.6	480.0	482.4	479.7
48.0	421.7	419.5	421.7	419.5
51.0	365.1	363.1	365.2	363.1
54.0	313.3	311.4	313.5	311.5
57.0	266.3	264.7	266.6	264.9
60.0	224.2	222.7	224.7	222.9
63.0	187.0	185.8	187.4	186.1
66.0	154.2	153.1	154.6	153.3
69.0	125.5	124.4	125.8	124.5
72.0	100.0	99.16	100.3	99.25
75.0	77.79	76.98	78.00	77.05
78.0	58.21	57.75	58.32	57.73
81.0	40.92	40.49	41.00	40.47
84.0	25.68	25.40	25.69	25.30
87.0	12.72	12.49	12.65	12.35
90.0	0.7299	0.6925	0.5615	0.4596

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: