

LED Downlight CATO Series C6R-20S-830



Light Output Ratio:	100.0%	
Luminaire Power:	21.42 W	
SHR Nominal:	1.00	Calculated using the TM5
SHR Maximum:	1.00	fine grid method.

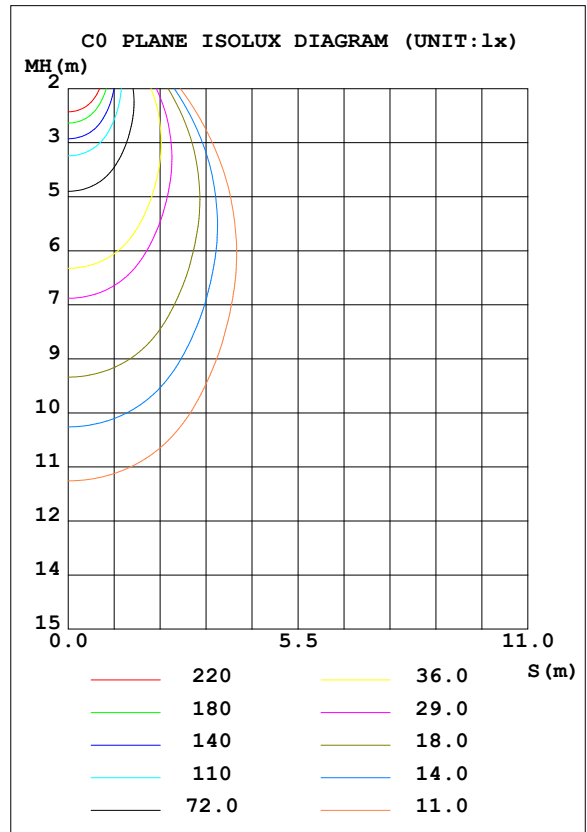
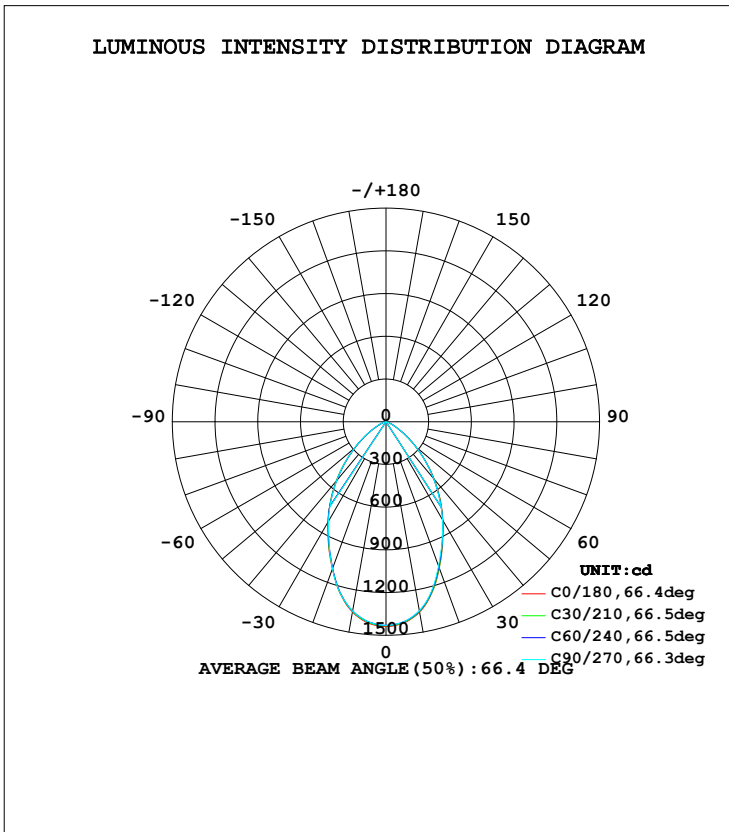
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Cao Chengpei
 Test Date: 2014-08-30

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:0.1014A P:21.42W PF:0.9589 Lamp Flux:1866.01x1 lm		
NAME: C6R-20S-830	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 87.12 lm/W			
MODEL	SAMSUNG-3000K	I _{max} (cd)	1438	S/MH (C0/180)	0.92
NOMINAL POWER (W)	22	LOR (%)	100.0	S/MH (C90/270)	0.92
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1866.0	η UP, DN (C0-180)	0.0, 49.5
NOMINAL FLUX (lm)	1866.01	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.5
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.00



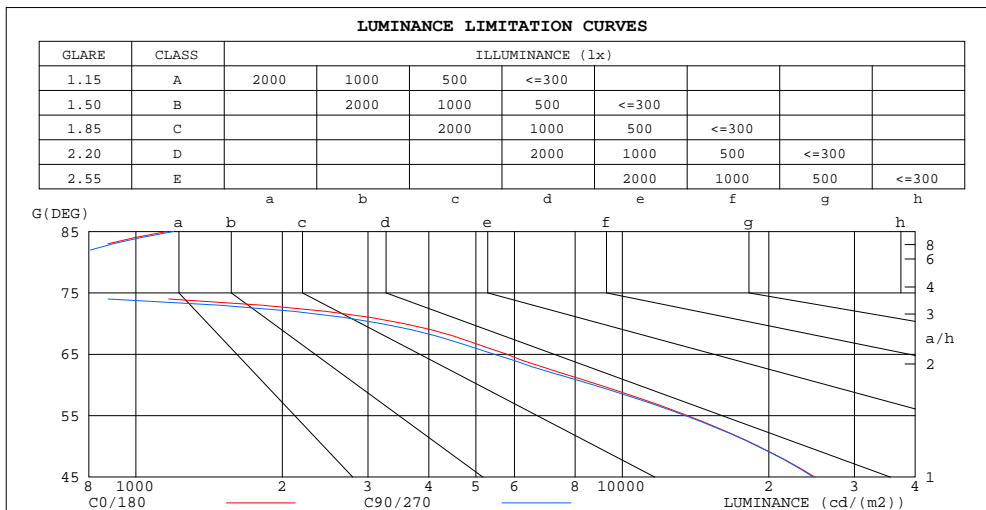
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Cao Chengpei
 Test Date: 2014-08-30

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	1358	1354	1348	1342	1358	1348	1350	1345	0- 10	132.7	132.7	7.11,7.11
20	1094	1097	1079	1081	1101	1088	1098	1088	10- 20	345.2	477.9	25.6,25.6
30	798.3	804.3	794.3	799.3	817.0	805.3	808.4	797.8	20- 30	432.2	910.1	48.8,48.8
40	526.2	527.2	519.9	526.9	542.9	534.1	539.0	529.7	30- 40	414.8	1325	71,71
50	274.8	276.4	273.7	274.2	288.4	285.1	291.1	284.6	40- 50	308.7	1634	87.5,87.5
60	100.5	99.03	97.72	99.94	103.3	105.6	110.7	105.3	50- 60	163.1	1797	96.3,96.3
70	27.33	26.39	24.53	25.24	26.23	27.76	29.97	28.97	60- 70	57.73	1854	99.4,99.4
80	2.621	2.663	2.671	2.755	2.497	2.704	2.871	2.754	70- 80	9.141	1864	99.9,99.9
90	0.1102	0.0853	0.0894	0.0853	0.0458	0.0749	0.1913	0.2870	80- 90	2.386	1866	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	1159	1196
80	673	686
75	602	545
70	3564	3199
65	5787	5447
60	8967	8717
55	13621	13480
50	19069	18994
45	24874	24712

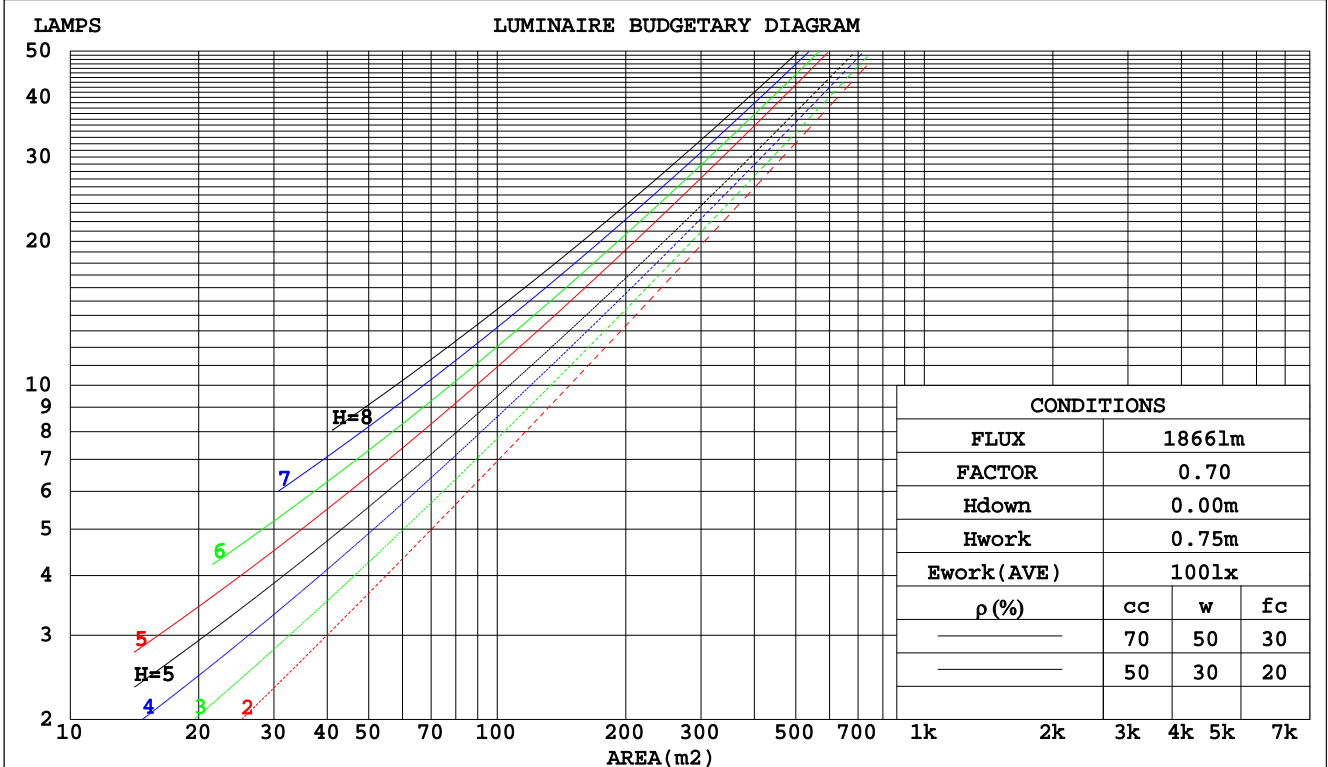
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Cao Chengpei
 Test Date:2014-08-30

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:0.1014A P:21.42W PF:0.9589 Lamp Flux:1866.01x1 lm		
NAME: C6R-20S-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	.00
1.0	1.09	1.06	1.03	1.07	1.04	1.02	1.03	1.00	.98	.99	.97	.95	.95	.94	.93	.91
2.0	.99	.94	.90	.97	.93	.89	.94	.90	.87	.91	.88	.85	.88	.86	.83	.81
3.0	.90	.84	.79	.89	.83	.79	.86	.81	.77	.84	.79	.76	.81	.78	.75	.73
4.0	.82	.76	.71	.81	.75	.70	.79	.74	.69	.77	.72	.68	.75	.71	.68	.66
5.0	.76	.69	.63	.75	.68	.63	.73	.67	.62	.71	.66	.62	.69	.65	.61	.60
6.0	.70	.62	.57	.69	.62	.57	.67	.61	.57	.66	.60	.56	.64	.60	.56	.54
7.0	.64	.57	.52	.64	.57	.52	.62	.56	.52	.61	.55	.51	.60	.55	.51	.49
8.0	.60	.53	.48	.59	.52	.48	.58	.52	.47	.57	.51	.47	.56	.51	.47	.45
9.0	.56	.49	.44	.55	.48	.44	.54	.48	.44	.53	.48	.44	.52	.47	.43	.42
10.0	.52	.45	.41	.52	.45	.41	.51	.45	.41	.50	.44	.40	.49	.44	.40	.39



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:0.1014A P:21.42W PF:0.9589 Lamp Flux:1866.01x1 lm		
NAME: C6R-20S-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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.214	.122	.039	.208	.118	.038	.195	.112	.036	.183	.106	.034	.172	.100	.032	
2.0	.209	.115	.035	.203	.112	.034	.192	.107	.033	.182	.102	.032	.173	.098	.031	
3.0	.200	.107	.032	.195	.104	.031	.186	.101	.031	.177	.097	.030	.169	.093	.029	
4.0	.190	.099	.029	.186	.097	.029	.178	.094	.028	.170	.091	.028	.163	.088	.027	
5.0	.180	.092	.027	.177	.091	.026	.169	.088	.026	.162	.086	.025	.156	.083	.025	
6.0	.171	.086	.025	.168	.085	.024	.161	.083	.024	.155	.081	.024	.149	.079	.023	
7.0	.162	.080	.023	.159	.079	.023	.153	.078	.022	.148	.076	.022	.143	.074	.022	
8.0	.154	.075	.021	.151	.074	.021	.146	.073	.021	.141	.072	.021	.137	.070	.020	
9.0	.146	.071	.020	.144	.070	.020	.139	.069	.020	.135	.068	.019	.131	.066	.019	
10.0	.139	.067	.019	.137	.066	.018	.133	.065	.018	.129	.064	.018	.125	.063	.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	.084	.059	.054	.049	.019	.017	.016	
2.0	.161	.132	.108	.138	.114	.093	.095	.079	.065	.055	.046	.038	.018	.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	.058	.084	.060	.041	.049	.035	.024	.016	.011	.008	
5.0	.135	.089	.055	.116	.077	.047	.080	.054	.034	.046	.031	.020	.015	.010	.007	
6.0	.128	.080	.045	.110	.069	.039	.076	.048	.028	.044	.028	.017	.014	.009	.005	
7.0	.122	.073	.038	.105	.063	.033	.072	.044	.024	.042	.026	.014	.014	.009	.005	
8.0	.116	.067	.033	.100	.058	.029	.069	.041	.020	.040	.024	.012	.013	.008	.004	
9.0	.111	.062	.028	.095	.053	.025	.066	.038	.018	.038	.022	.011	.012	.007	.003	
10.0	.106	.057	.025	.091	.050	.022	.063	.035	.016	.037	.021	.009	.012	.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:0.1014A P:21.42W PF:0.9589 Lamp Flux:1866.01x1 lm		
NAME: C6R-20S-830	TYPE:Downlight	SERIAL No.:
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	20.8	22.0	21.0	22.2	22.3	20.8	22.0	21.0	22.1	22.3
3H	20.8	21.9	21.1	22.1	22.3	20.8	21.8	21.0	22.0	22.3
4H	20.7	21.8	21.0	22.0	22.2	20.7	21.7	21.0	21.9	22.2
6H	20.6	21.6	20.9	21.8	22.1	20.6	21.5	20.9	21.8	22.0
8H	20.6	21.5	20.9	21.8	22.0	20.5	21.4	20.9	21.7	22.0
12H	20.5	21.4	20.9	21.7	22.0	20.5	21.4	20.8	21.6	21.9
4H 2H	20.8	21.8	21.1	22.0	22.3	20.7	21.8	21.0	22.0	22.2
3H	20.8	21.7	21.1	22.0	22.3	20.8	21.6	21.1	21.9	22.2
4H	20.7	21.5	21.1	21.8	22.2	20.7	21.5	21.0	21.8	22.1
6H	20.6	21.3	21.0	21.7	22.0	20.6	21.3	21.0	21.6	22.0
8H	20.6	21.2	21.0	21.6	22.0	20.5	21.2	20.9	21.5	21.9
12H	20.6	21.1	21.0	21.5	21.9	20.5	21.1	20.9	21.5	21.9
8H 4H	20.6	21.3	21.0	21.6	22.0	20.5	21.2	20.9	21.5	21.9
6H	20.5	21.0	21.0	21.4	21.9	20.5	21.0	20.9	21.4	21.8
8H	20.5	20.9	20.9	21.4	21.8	20.4	20.9	20.9	21.3	21.7
12H	20.4	20.8	20.9	21.3	21.8	20.4	20.8	20.9	21.2	21.7
12H 4H	20.6	21.1	21.0	21.5	21.9	20.5	21.1	20.9	21.5	21.9
6H	20.5	20.9	20.9	21.4	21.8	20.4	20.9	20.9	21.3	21.7
8H	20.4	20.8	20.9	21.3	21.7	20.4	20.8	20.8	21.2	21.7
Variations with the observer position at spacings:										
S = 1.0H	+ 1.4 / - 2.4					+ 1.4 / - 2.4				
1.5H	+ 1.1 / - 1.6					+ 1.0 / - 1.5				
2.0H	+ 3.0 / - 4.0					+ 3.0 / - 4.2				

CIE Pub.117 Corrected 1866 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.2)

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:0.1014A P:21.42W PF:0.9589 Lamp Flux:1866.01x1 lm		
NAME: C6R-20S-830	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	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	73	64	59	72	64	59	71	63	58	53
0.80	82	74	69	82	74	68	80	73	68	63
1.00	90	82	77	89	81	76	87	82	76	71
1.25	95	88	83	94	88	83	92	86	82	77
1.50	99	93	88	98	92	88	95	90	86	81
2.00	104	98	94	102	97	93	99	95	92	86
2.50	106	101	97	105	100	96	101	97	94	88
3.00	109	104	100	107	103	99	103	100	97	90
4.00	111	107	104	109	106	103	105	103	100	93
5.00	113	109	107	110	108	105	106	104	102	94
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

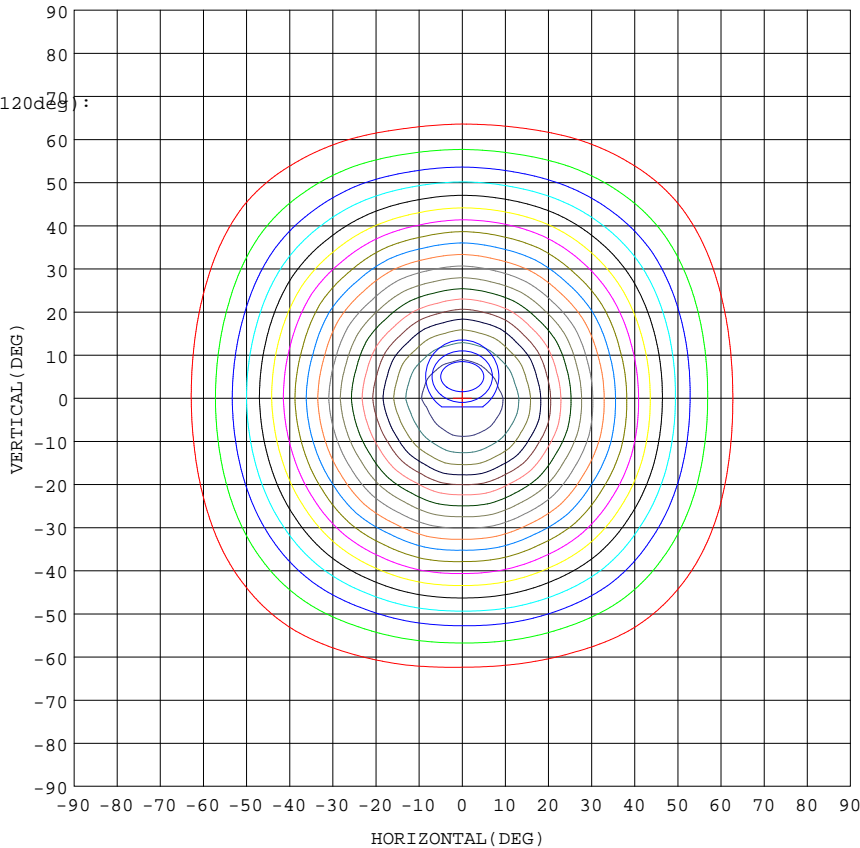
Test:U:220.3V I:0.1014A P:21.42W PF:0.9589 Lamp Flux:1866.01x1 lm		
NAME: C6R-20S-830	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

Conical surface Flux(90deg):

1496.8 lm
%lum = 80.2%
%lamp = 80.2%

Conical surface Flux(120deg):

1796.7 lm
%lum = 96.3%
%lamp = 96.3%



1. AVG=1401,MIN=1371
2. AVG=1392,MIN=1332
3. AVG=1379,MIN=1280

Imax:1438(H0.0,V0.0)
(At:C=0.0,Gamma=0.0)
UNIT: cd

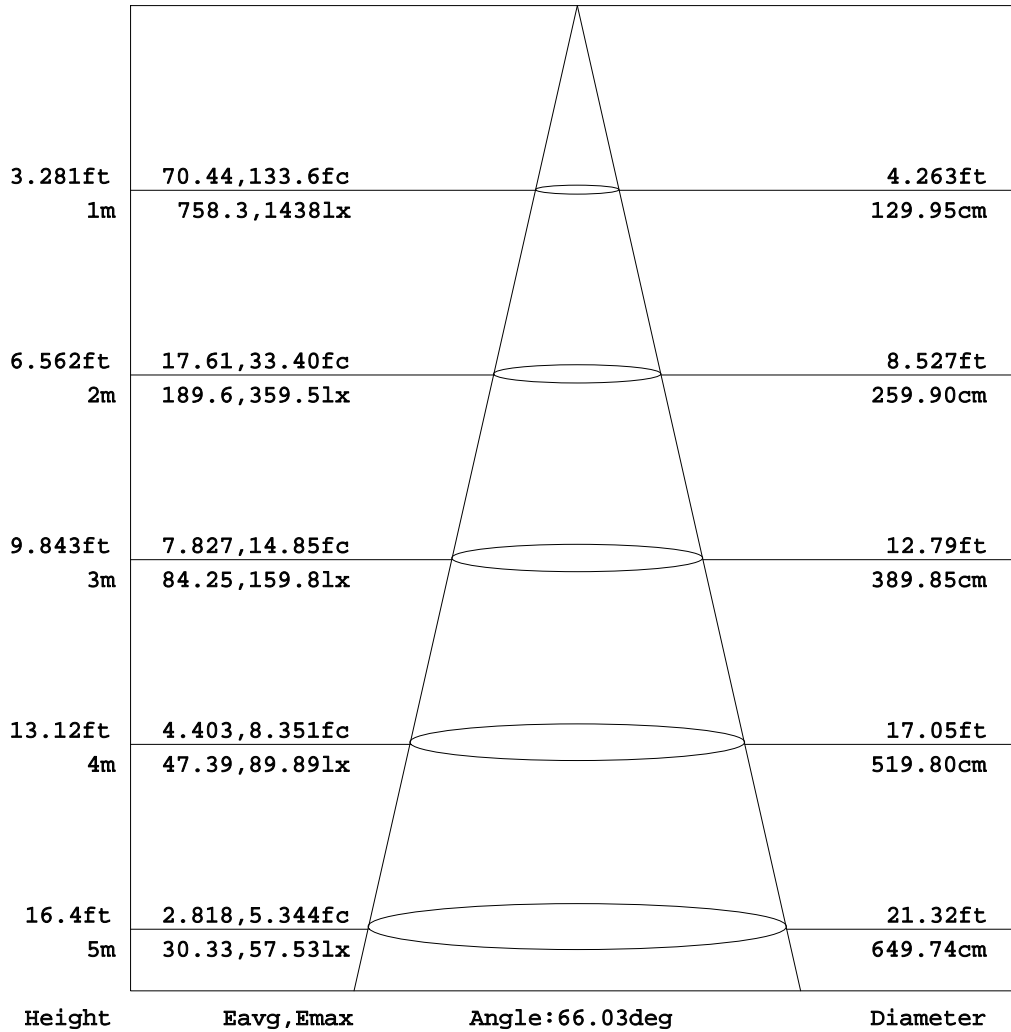
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Cao Chengpei
Test Date:2014-08-30

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:0.1014A P:21.42W PF:0.9589 Lamp Flux:1866.01x1 lm		
NAME: C6R-20S-830	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

Flux out:1084 lm



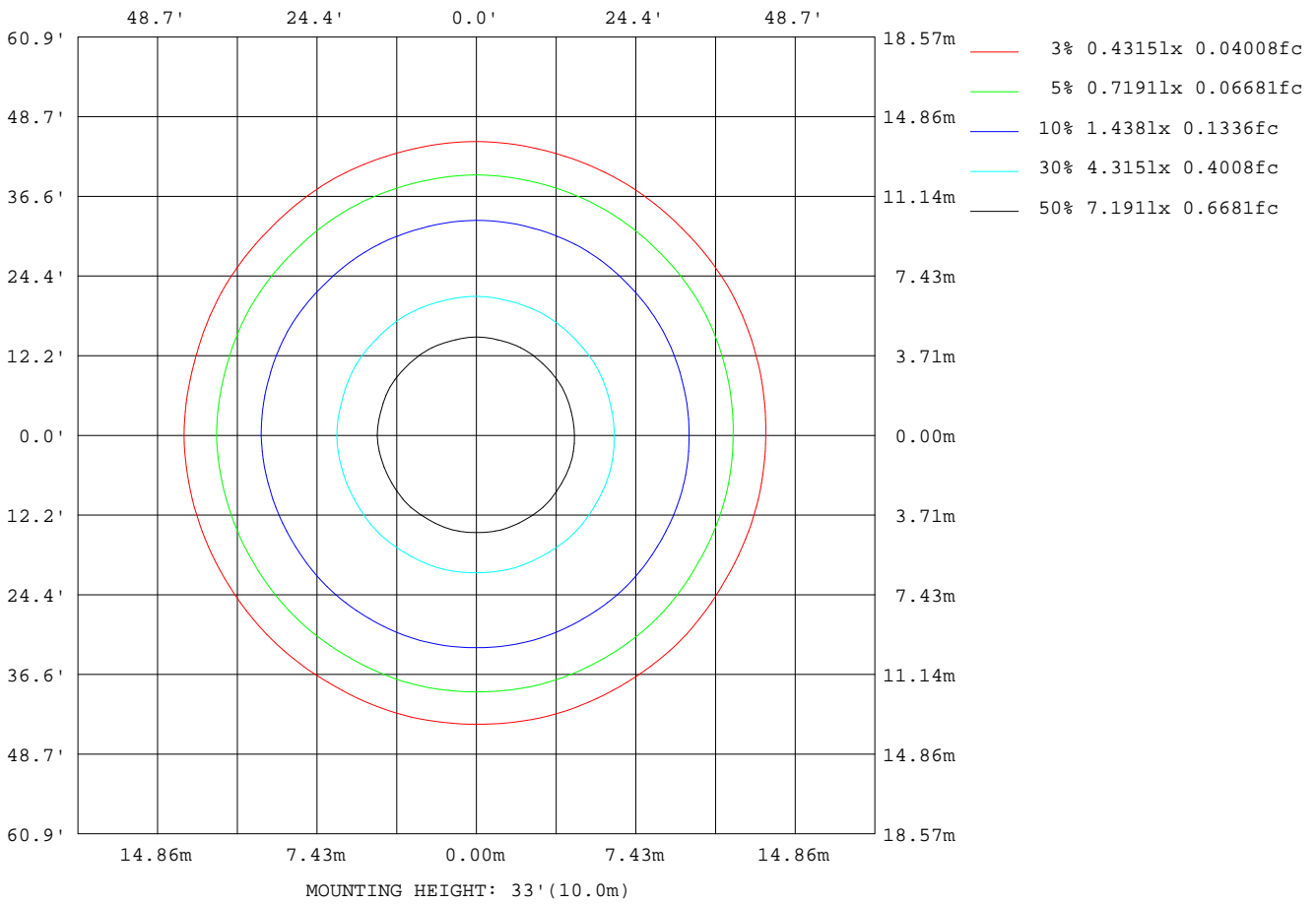
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

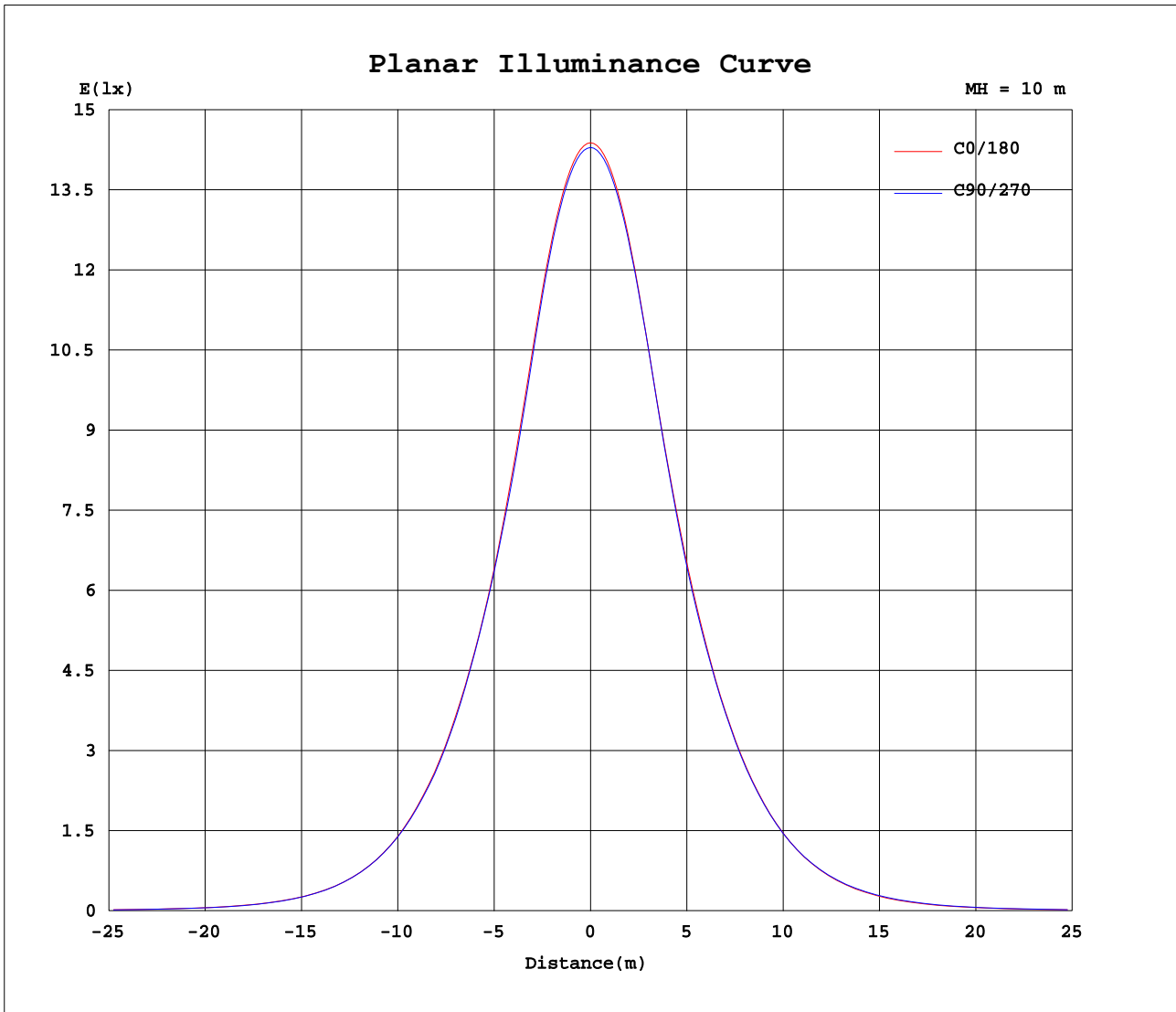
Test:U:220.3V I:0.1014A P:21.42W PF:0.9589 Lamp Flux:1866.01x1 lm		
NAME: C6R-20S-830	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		



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	1438	1436	1434	1431	1429	1428	1429	1428	1425	1424
3.0	1431	1430	1427	1425	1423	1422	1423	1422	1418	1417
6.0	1410	1409	1406	1405	1402	1402	1401	1400	1396	1396
9.0	1374	1374	1370	1370	1366	1365	1364	1364	1358	1358
12.0	1320	1321	1316	1316	1311	1311	1309	1309	1303	1303
15.0	1246	1249	1242	1245	1237	1239	1234	1236	1228	1231
18.0	1157	1163	1155	1159	1148	1151	1143	1148	1137	1143
21.0	1063	1069	1061	1065	1054	1056	1048	1052	1043	1051
24.0	972.4	976.8	967.8	973.0	964.6	968.2	961.5	965.3	957.5	965.2
27.0	882.3	886.5	878.6	885.2	878.1	882.8	876.1	880.8	872.1	877.5
30.0	798.3	804.6	797.7	804.3	797.5	801.4	794.3	798.9	793.1	799.3
33.0	716.6	721.3	714.3	720.1	711.6	715.3	710.8	717.4	711.0	718.6
36.0	633.6	640.1	632.4	638.2	628.6	632.4	626.7	633.0	627.8	637.0
39.0	552.0	558.5	550.7	554.6	545.1	549.4	545.1	552.3	547.4	554.4
42.0	473.7	476.8	472.3	473.4	468.7	470.3	468.9	472.4	470.4	472.4
45.0	394.3	396.2	392.1	395.5	392.1	394.3	391.8	394.7	391.8	393.8
48.0	320.6	320.8	317.0	322.3	320.7	322.1	319.5	321.2	317.8	320.3
51.0	253.1	251.7	248.7	254.4	253.9	254.8	252.1	252.8	249.3	252.3
54.0	193.2	191.6	188.7	193.3	192.5	194.4	191.6	192.3	189.1	192.2
57.0	142.2	141.6	138.7	140.8	139.5	141.7	139.9	140.7	138.6	141.2
60.0	100.5	101.5	98.50	99.03	96.92	98.48	97.72	99.55	98.37	99.94
63.0	69.36	70.45	68.29	68.42	65.84	66.24	66.19	68.79	68.04	68.54
66.0	48.44	48.80	47.62	47.72	45.67	45.47	45.48	47.22	46.71	46.72
69.0	32.52	32.66	31.63	31.58	30.00	29.92	29.61	30.77	30.27	30.40
72.0	17.01	17.26	16.29	16.28	14.90	14.93	14.61	15.40	14.97	15.23
75.0	3.494	3.589	3.283	3.311	3.215	3.206	3.165	3.114	3.171	3.208
78.0	2.813	2.811	2.823	2.850	2.834	2.852	2.831	2.821	2.860	2.909
81.0	2.544	2.540	2.546	2.578	2.580	2.597	2.592	2.591	2.636	2.680
84.0	2.326	2.310	2.317	2.353	2.367	2.391	2.394	2.401	2.446	2.495
87.0	2.139	2.118	2.126	2.162	2.180	2.204	2.213	2.233	2.284	2.331
90.0	0.1102	0.0915	0.0915	0.0853	0.0873	0.0853	0.0894	0.0853	0.0873	0.0853
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1424	1425	1438	1436	1434	1431	1429	1428	1429	1428
3.0	1417	1417	1431	1428	1427	1423	1422	1420	1422	1421
6.0	1395	1396	1410	1407	1406	1402	1401	1399	1402	1399
9.0	1356	1359	1373	1369	1369	1364	1365	1362	1366	1362
12.0	1301	1304	1319	1314	1316	1310	1312	1308	1313	1309
15.0	1226	1231	1247	1240	1246	1237	1242	1237	1244	1238
18.0	1137	1146	1162	1153	1160	1150	1157	1151	1161	1154
21.0	1047	1056	1072	1063	1069	1058	1064	1058	1067	1063
24.0	960.8	969.1	984.5	977.5	983.2	971.8	976.3	968.9	976.7	971.2
27.0	873.7	883.6	898.1	890.8	896.6	886.6	890.9	882.7	888.5	882.5
30.0	796.4	804.3	817.0	808.7	814.2	805.3	811.8	803.9	808.4	801.8
33.0	715.1	722.5	732.7	725.7	733.1	725.5	732.7	724.9	728.2	719.7
36.0	634.2	642.3	652.3	644.8	651.9	642.5	648.0	641.7	647.6	639.4
39.0	550.9	559.1	569.7	564.4	571.0	561.5	565.2	558.6	565.5	561.1
42.0	471.2	477.4	489.4	488.5	491.9	483.8	484.3	481.4	486.6	486.1
45.0	392.3	398.9	410.7	410.1	412.7	404.9	406.6	404.7	409.8	408.1
48.0	319.4	325.6	335.6	334.1	336.5	331.4	333.9	333.2	337.1	334.6
51.0	253.3	258.5	265.7	262.9	265.5	262.9	266.8	266.1	269.2	266.2
54.0	193.6	197.9	202.3	199.1	202.6	201.9	206.8	205.6	207.8	204.4
57.0	141.6	144.6	147.4	145.3	149.1	149.2	153.8	153.0	154.4	151.8
60.0	98.65	100.6	103.3	102.2	106.2	105.6	109.4	108.9	110.7	108.7
63.0	66.60	67.70	70.32	70.71	73.61	72.89	75.08	74.84	77.08	76.26
66.0	45.55	46.39	48.16	48.84	50.89	50.41	51.48	51.50	53.22	53.40
69.0	29.49	30.26	31.58	31.84	33.46	33.23	34.18	34.19	35.49	35.49
72.0	14.25	14.79	15.85	15.91	17.32	17.12	18.03	18.19	19.19	19.10
75.0	3.188	3.104	3.078	3.056	3.268	3.438	3.914	3.833	4.443	4.256
78.0	2.869	2.774	2.677	2.646	2.742	2.908	3.033	3.046	3.068	3.104
81.0	2.642	2.539	2.420	2.371	2.457	2.609	2.727	2.758	2.784	2.821
84.0	2.455	2.349	2.222	2.155	2.218	2.363	2.486	2.521	2.553	2.594
87.0	2.288	2.186	2.052	1.980	2.023	2.159	2.285	2.324	2.360	2.396
90.0	0.0853	0.0832	0.0458	0.0520	0.0478	0.0749	0.1040	0.1580	0.1913	0.2454
G/C	300.0	315.0	330.0	345.0						
0.0	1425	1424	1424	1425						
3.0	1419	1417	1418	1418						
6.0	1398	1396	1398	1398						
9.0	1362	1360	1363	1362						
12.0	1310	1307	1311	1309						
15.0	1241	1235	1240	1236						
18.0	1159	1149	1155	1148						
21.0	1067	1057	1063	1056						

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	975.9	968.1	975.0	967.7
27.0	887.0	879.8	885.3	877.3
30.0	805.0	797.8	802.5	794.7
33.0	723.2	715.3	720.6	714.2
36.0	641.9	632.7	638.4	631.2
39.0	563.4	554.0	556.4	549.0
42.0	487.0	479.6	477.4	472.5
45.0	410.0	403.4	401.9	396.1
48.0	335.0	330.4	330.5	324.9
51.0	265.6	262.3	263.7	258.2
54.0	204.0	201.0	202.4	197.9
57.0	151.8	148.5	148.7	145.4
60.0	109.2	105.3	105.0	102.1
63.0	76.20	73.09	72.32	70.08
66.0	53.12	51.17	50.52	49.20
69.0	35.70	34.36	34.23	33.31
72.0	19.41	18.29	18.59	17.85
75.0	4.721	4.199	4.406	3.940
78.0	3.072	2.933	2.852	2.810
81.0	2.784	2.671	2.590	2.546
84.0	2.563	2.457	2.374	2.326
87.0	2.374	2.280	2.193	2.145
90.0	0.2641	0.2870	0.2703	0.2599

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: