

LED Downlight CATO Series C6R-10S-840



Light Output Ratio:	100.0%	
Luminaire Power:	13.41 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.95	fine grid method.

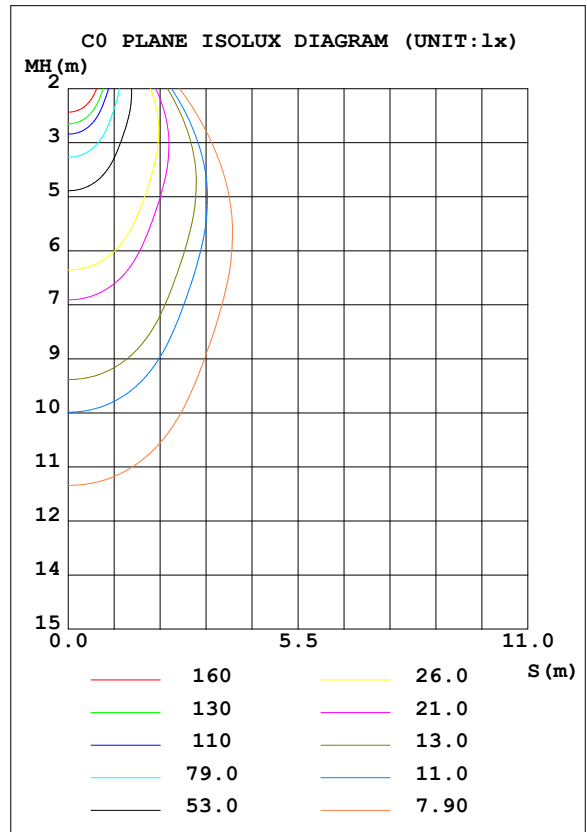
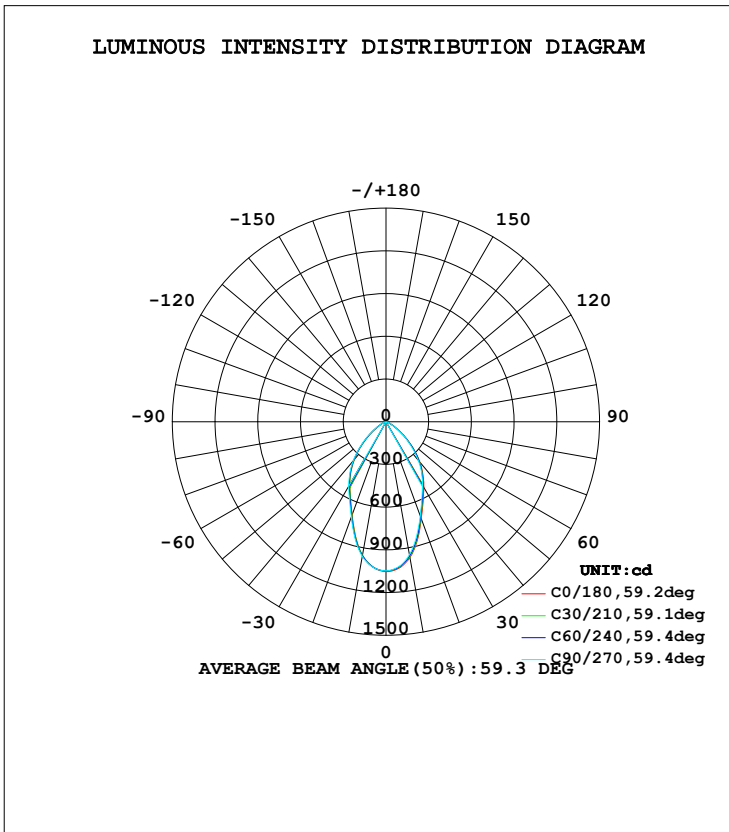
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Cao Chengpei
 Test Date: 2014-09-01

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:13.41W PF:0.9213 Lamp Flux:1231.11x1 lm		
NAME: C6R-10S-840	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	SAMSUNG-4000K	Imax (cd)	1052	S/MH (C0/180)	0.80
NOMINAL POWER (W)	13	LOR (%)	100.0	S/MH (C90/270)	0.82
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1231.1	η UP, DN (C0-180)	0.0, 49.9
NOMINAL FLUX (lm)	1231.11	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.1
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



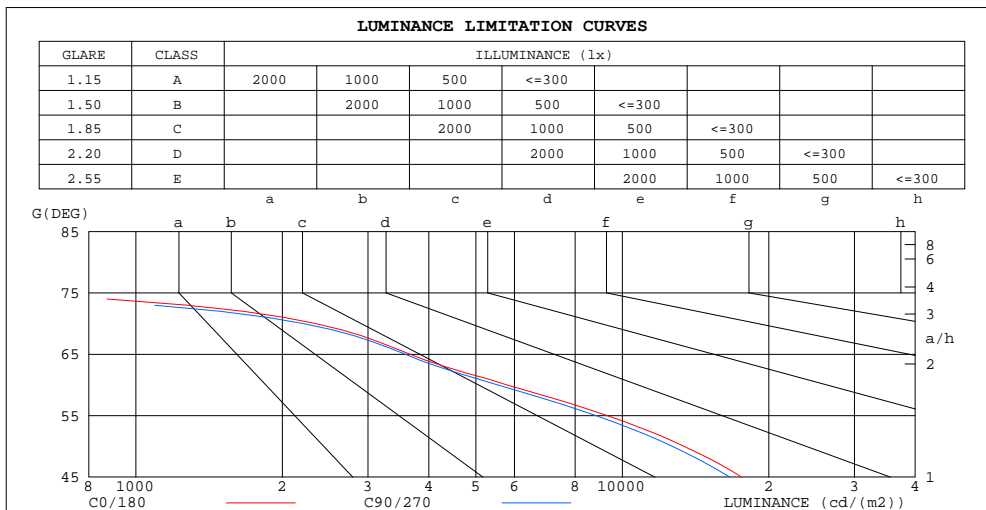
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Cao Chengpei
 Test Date: 2014-09-01

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:

**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	967.6	961.0	949.2	943.8	952.6	950.9	959.8	962.9	0- 10	95.66	95.66	7.77,7.77
20	725.4	715.9	704.2	691.7	696.2	699.9	712.4	721.3	10- 20	233.3	329.0	26.7,26.7
30	532.3	523.9	514.5	505.6	508.8	511.3	523.8	528.7	20- 30	277.6	606.5	49.3,49.3
40	370.0	365.8	352.2	345.4	345.8	349.8	357.5	368.7	30- 40	273.8	880.3	71.5,71.5
50	193.2	191.4	182.7	173.7	173.9	173.8	184.5	190.6	40- 50	206.0	1086	88.2,88.2
60	64.94	65.41	62.13	59.05	56.58	57.83	61.53	64.19	50- 60	102.3	1189	96.6,96.6
70	17.99	18.45	16.97	16.65	16.01	16.15	16.65	18.26	60- 70	35.11	1224	99.4,99.4
80	1.795	1.649	1.677	1.792	1.846	1.726	1.490	1.672	70- 80	5.861	1230	99.9,99.9
90	0.4700	0.2059	0.0374	0.0354	0.0104	0.0104	0.0707	0.4970	80- 90	1.500	1231	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	798	735
80	461	431
75	503	361
70	2346	2213
65	3659	3579
60	5793	5543
55	9317	8832
50	13403	12675
45	17607	16622

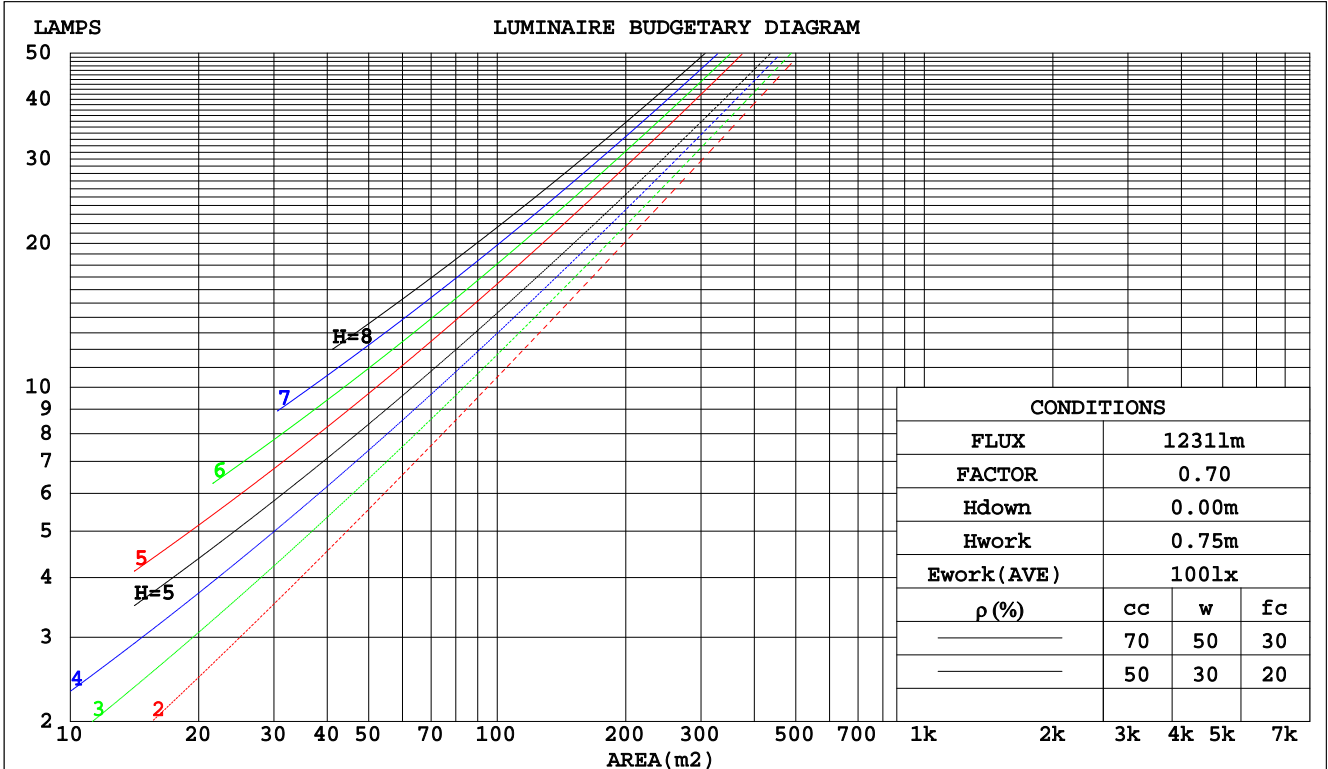
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Cao Chengpei
 Test Date: 2014-09-01

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.3V I:0.0660A P:13.41W PF:0.9213 Lamp Flux:1231.11x1 lm		
NAME: C6R-10S-840	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

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															
	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	.97	.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	.76	.81	.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	.48	.60	.53	.48	.58	.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	.39



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:

WEC AND CCEC

Test:U:220.3V I:0.0660A P:13.41W PF:0.9213 Lamp Flux:1231.11x1 lm		
NAME: C6R-10S-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	.212	.121	.038	.206	.117	.037	.193	.111	.035	.181	.104	.034	.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	.100	.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	.168	.087	.026	.161	.085	.025	.154	.083	.025	
6.0	.170	.085	.024	.166	.084	.024	.160	.082	.024	.154	.080	.023	.148	.078	.023	
7.0	.161	.080	.023	.158	.079	.022	.152	.077	.022	.147	.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	.130	.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	.045	.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	

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:

UGR(Unified Glare Rating) Table

Test:U:220.3V I:0.0660A P:13.41W PF:0.9213 Lamp Flux:1231.11x1 lm		
NAME: C6R-10S-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	19.7	20.8	19.9	21.0	21.2	19.5	20.7	19.7	20.8	21.0
3H	19.7	20.7	19.9	20.9	21.2	19.5	20.6	19.8	20.8	21.0
4H	19.6	20.6	19.9	20.8	21.1	19.4	20.4	19.7	20.6	20.9
6H	19.5	20.4	19.8	20.7	20.9	19.3	20.3	19.6	20.5	20.8
8H	19.4	20.4	19.8	20.6	20.9	19.3	20.2	19.6	20.4	20.7
12H	19.4	20.3	19.7	20.5	20.8	19.2	20.1	19.6	20.4	20.7
4H 2H	19.6	20.6	19.9	20.9	21.1	19.5	20.5	19.7	20.7	20.9
3H	19.6	20.5	20.0	20.8	21.1	19.5	20.4	19.8	20.6	20.9
4H	19.6	20.4	19.9	20.7	21.0	19.4	20.2	19.8	20.5	20.8
6H	19.5	20.2	19.9	20.5	20.9	19.3	20.0	19.7	20.3	20.7
8H	19.4	20.1	19.8	20.4	20.8	19.3	19.9	19.7	20.3	20.6
12H	19.4	20.0	19.8	20.4	20.7	19.2	19.8	19.6	20.2	20.6
8H 4H	19.4	20.1	19.8	20.4	20.8	19.3	19.9	19.7	20.3	20.6
6H	19.4	19.9	19.8	20.3	20.7	19.2	19.7	19.6	20.1	20.5
8H	19.3	19.8	19.8	20.2	20.6	19.2	19.6	19.6	20.0	20.5
12H	19.3	19.7	19.7	20.1	20.6	19.1	19.5	19.6	19.9	20.4
12H 4H	19.4	20.0	19.8	20.4	20.7	19.2	19.8	19.7	20.2	20.6
6H	19.3	19.8	19.8	20.2	20.6	19.1	19.6	19.6	20.0	20.5
8H	19.3	19.7	19.7	20.1	20.6	19.1	19.5	19.6	19.9	20.4
Variations with the observer position at spacings:										
S = 1.0H	+ 1.5 / - 2.5					+ 1.5 / - 2.6				
1.5H	+ 1.0 / - 1.7					+ 1.1 / - 1.7				
2.0H	+ 3.2 / - 4.4					+ 3.2 / - 4.2				

CIE Pub.117 Corrected 1231 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.7)

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:

UTILIZATION FACTORS TABLE

Test:U:220.3V I:0.0660A P:13.41W PF:0.9213 Lamp Flux:1231.11x1 lm		
NAME: C6R-10S-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	73	64	59	73	64	59	72	64	59	54
0.80	83	74	69	82	74	69	80	73	68	63
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	93	100	95	92	86
2.50	106	101	97	105	100	96	101	98	95	88
3.00	109	104	101	107	103	99	103	100	97	90
4.00	111	108	104	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			

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:

ISOCANDELA DIAGRAM

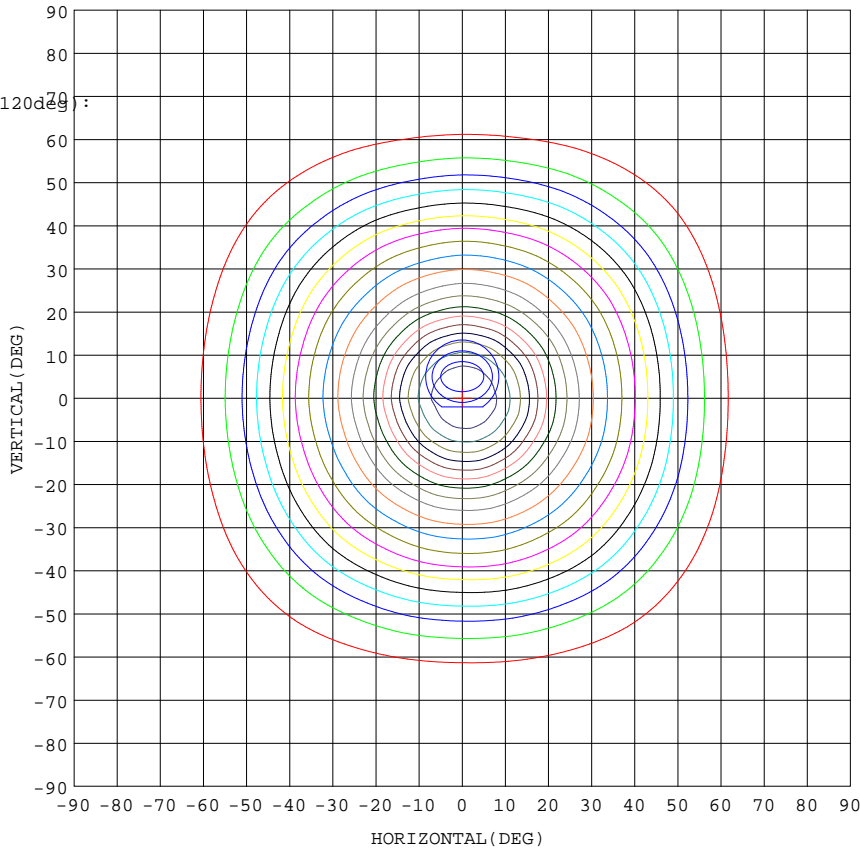
Test:U:220.3V I:0.0660A P:13.41W PF:0.9213 Lamp Flux:1231.11x1 lm		
NAME: C6R-10S-840	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

Conical surface Flux(90deg):

995.78 lm
 %lum = 80.9%
 %lamp = 80.9%

Conical surface Flux(120deg):

1188.6 lm
 %lum = 96.6%
 %lamp = 96.6%



- 5% 52.61
- 10% 105.2
- 15% 157.8
- 20% 210.5
- 25% 263.1
- 30% 315.7
- 35% 368.3
- 40% 420.9
- 45% 473.5
- 50% 526.1
- 55% 578.7
- 60% 631.4
- 65% 684.0
- 70% 736.6
- 75% 789.2
- 80% 841.8
- 85% 894.4
- 90% 947.0
- 95% 999.7

1. AVG=1018,MIN=983.3
2. AVG=1007,MIN=939.8
3. AVG=992.2,MIN=882.8

Imax:1052(H0.0,V0.0)
 (At:C=0.0,Gamma=0.0)
 UNIT: cd

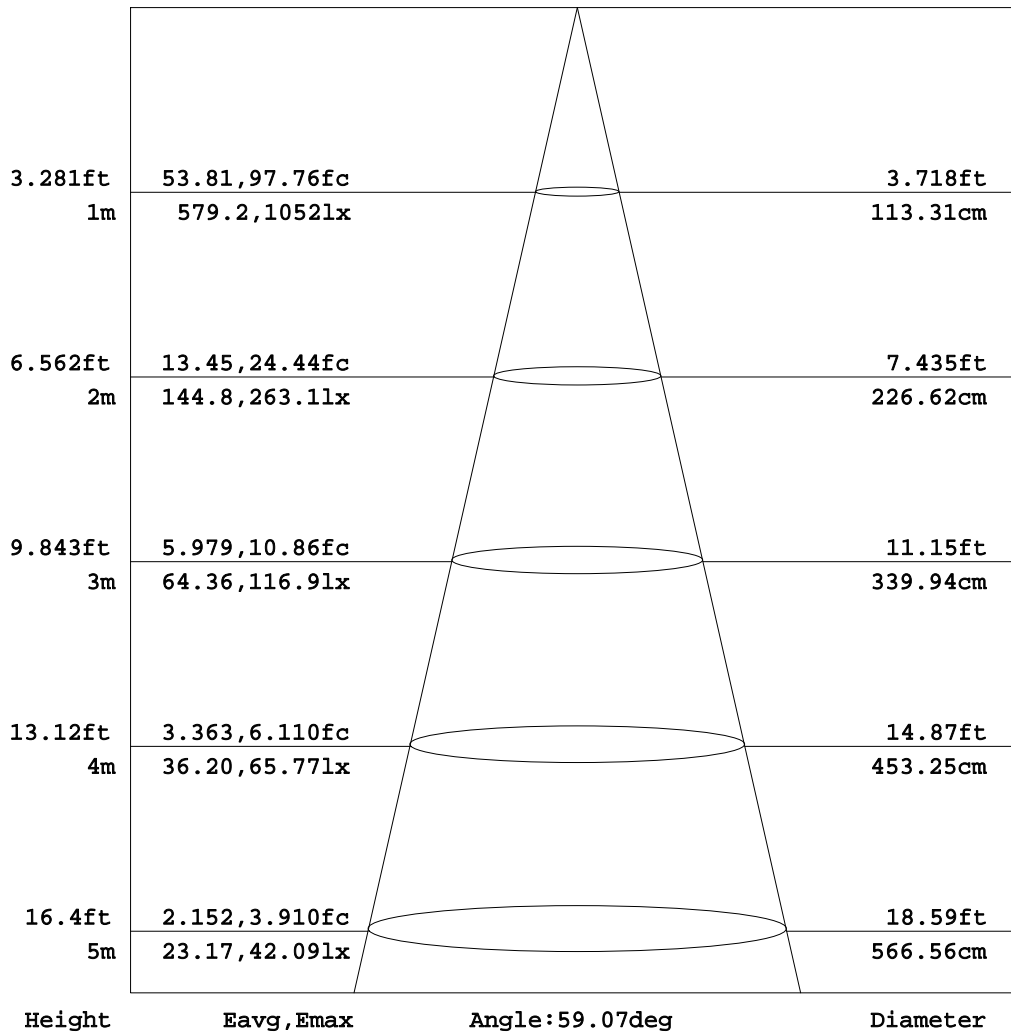
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Cao Chengpei
 Test Date:2014-09-01

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:

AAI Figure

Test:U:220.3V I:0.0660A P:13.41W PF:0.9213 Lamp Flux:1231.11x1 lm		
NAME: C6R-10S-840	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

Flux out:606.5 lm



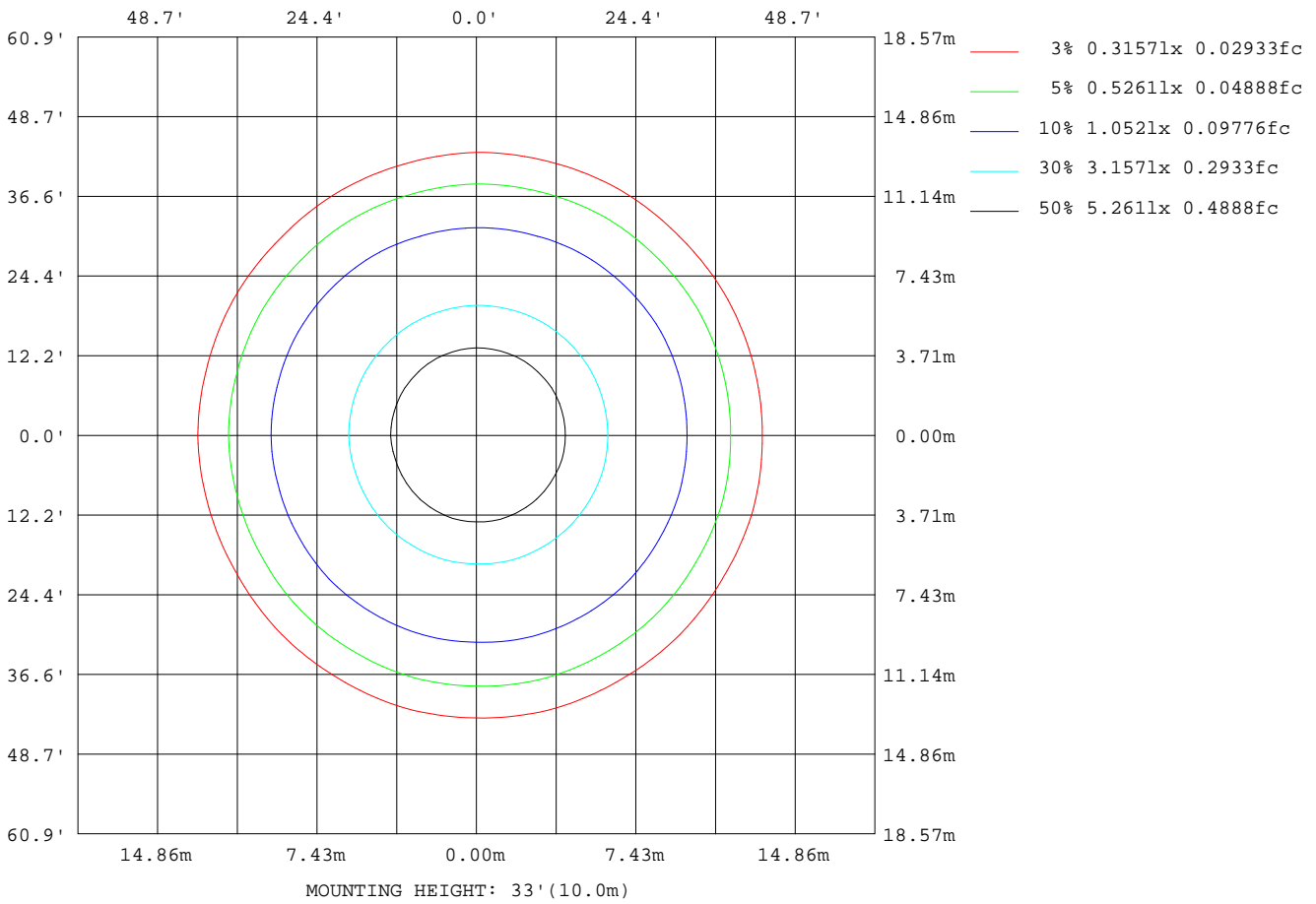
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:

ISOLUX DIAGRAM

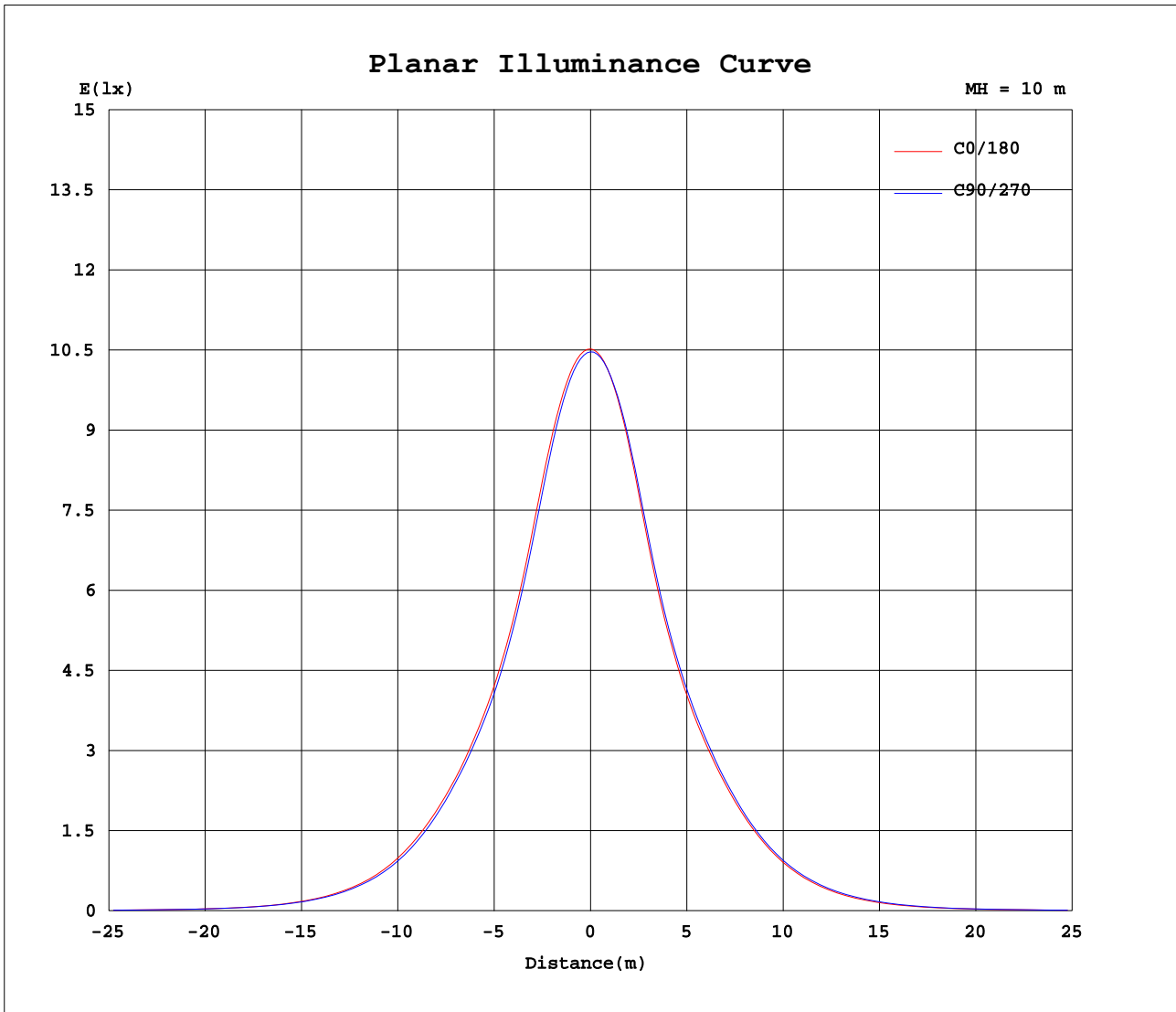
Test:U:220.3V I:0.0660A P:13.41W PF:0.9213 Lamp Flux:1231.11x1 lm		
NAME: C6R-10S-840	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		



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

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:

Planar Illuminance Curve



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:13.41W PF:0.9213 Lamp Flux:1231.11x1 lm		
NAME: C6R-10S-840	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ169mm*H66mm	
MFR.: E-LITE LIGHTING CO.,LTD.		

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	1052	1051	1049	1048	1048	1047	1047	1046	1046	1046	1046	1045	1052	1051	1049	1048	1048	1047	1047
5	1033	1033	1028	1027	1025	1025	1022	1021	1019	1019	1018	1019	1027	1026	1025	1023	1026	1025	1027
10	968	968	962	961	956	955	949	948	944	944	940	942	953	951	952	951	956	955	960
15	857	857	849	848	842	840	832	831	823	823	817	819	830	828	833	832	839	838	844
20	725	725	717	716	711	710	704	702	695	692	686	687	696	696	700	700	706	707	712
25	618	617	611	609	604	602	597	595	589	588	584	585	592	590	592	592	599	601	608
30	532	531	525	524	521	520	514	513	507	506	501	502	509	509	511	511	517	519	524
35	452	452	447	446	442	442	437	435	428	427	423	425	431	430	433	433	437	438	444
40	370	370	366	366	362	359	352	350	346	345	341	341	346	345	349	350	354	354	357
45	279	281	278	279	274	271	264	262	258	258	253	252	256	255	260	261	265	263	267
50	193	195	191	191	188	187	183	181	176	174	169	170	174	173	174	174	178	180	184
55	120	121	117	117	115	116	114	112	107	105	101	102	105	103	104	103	107	109	114
60	64.9	66.0	64.3	65.4	64.1	64.3	62.1	61.8	60.0	59.0	57.0	55.7	56.6	56.2	57.2	57.8	59.3	59.7	61.5
65	34.7	35.2	35.1	36.0	35.5	35.0	33.9	34.0	33.5	33.5	32.3	31.7	31.9	31.6	32.3	32.4	32.9	32.3	32.7
70	18.0	18.3	17.9	18.4	18.0	17.8	17.0	17.1	16.5	16.6	15.9	15.8	16.0	15.7	16.2	16.1	16.6	16.1	16.7
75	2.92	2.99	2.62	2.73	2.27	2.29	2.09	2.12	2.13	2.15	2.15	2.12	2.16	2.18	2.13	2.06	1.99	1.91	2.22
80	1.80	1.74	1.66	1.65	1.64	1.65	1.68	1.72	1.75	1.79	1.81	1.82	1.85	1.86	1.82	1.73	1.60	1.49	1.49
85	1.56	1.51	1.45	1.42	1.41	1.41	1.44	1.48	1.52	1.56	1.59	1.61	1.64	1.66	1.62	1.53	1.39	1.29	1.26
90	0.47	0.40	0.31	0.21	0.09	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.01	0.01	0.01	0.01	0.01	0.02	0.07

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 15.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Temperature:25.3DEG	Humidity:53.0%
Operators:Cao Chengpei	Test Distance:5.780m [K=1.0000]
Test Date:2014-09-01	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.3V I:0.0660A P:13.41W PF:0.9213 Lamp Flux:1231.11x1 lm		
NAME: C6R-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	1046	1046	1046	1046	1045														
5	1027	1028	1028	1029	1028														
10	960	964	963	966	964														
15	845	852	852	857	855														
20	713	719	721	727	725														
25	609	614	615	619	617														
30	525	529	529	532	531														
35	445	449	450	454	453														
40	359	366	369	373	371														
45	269	277	279	284	282														
50	186	190	191	195	194														
55	114	117	116	119	120														
60	61.6	64.2	64.2	66.2	65.5														
65	33.1	34.7	35.3	36.0	35.4														
70	16.9	18.0	18.3	18.7	18.4														
75	2.39	3.00	3.10	3.46	3.23														
80	1.56	1.64	1.67	1.69	1.74														
85	1.31	1.38	1.42	1.44	1.49														
90	0.24	0.37	0.50	0.55	0.60														

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	1052	1051	1049	1048	1048	1047	1047	1046	1046	1046
3.0	1046	1045	1042	1041	1040	1039	1037	1037	1036	1035
6.0	1024	1023	1019	1018	1015	1015	1011	1011	1008	1008
9.0	984.4	985.1	978.9	978.2	974.2	972.9	967.7	967.1	962.7	963.0
12.0	928.5	928.9	922.2	920.9	915.8	913.4	906.7	905.4	899.7	899.7
15.0	857.0	857.2	849.3	848.3	842.3	840.1	832.3	830.6	823.3	822.5
18.0	776.8	776.8	768.7	767.8	762.1	760.9	753.9	751.7	743.9	741.8
21.0	701.1	700.4	692.9	691.6	686.4	685.9	680.3	678.7	671.3	668.5
24.0	636.8	636.1	629.4	627.8	623.0	621.8	616.6	614.7	608.7	606.7
27.0	581.1	580.5	573.8	572.2	568.1	566.6	561.5	559.4	554.1	552.6
30.0	532.3	531.5	525.1	523.9	521.4	519.6	514.5	512.6	507.3	505.6
33.0	484.3	484.4	478.9	477.9	474.5	473.0	467.7	465.2	459.9	458.3
36.0	437.2	436.8	431.2	430.5	427.1	426.2	420.5	417.9	412.0	410.5
39.0	387.5	387.3	382.5	382.2	378.5	376.2	369.9	367.8	362.8	362.2
42.0	334.2	334.7	331.6	331.9	327.6	324.0	316.7	314.8	311.3	311.1
45.0	279.1	280.7	277.6	279.1	274.3	270.8	263.5	262.0	258.1	258.3
48.0	226.4	227.9	224.9	226.0	221.8	219.5	213.8	212.1	207.3	206.3
51.0	177.4	178.6	174.9	174.9	172.1	172.0	167.8	166.2	160.6	158.2
54.0	133.3	134.6	130.4	130.7	128.1	129.7	126.2	125.3	119.3	117.0
57.0	95.31	96.25	93.07	93.44	91.93	92.97	90.57	89.67	85.38	83.83
60.0	64.94	66.00	64.26	65.41	64.10	64.33	62.13	61.80	60.04	59.05
63.0	43.93	44.64	44.38	45.43	44.69	44.16	42.51	42.49	41.75	41.75
66.0	31.03	31.46	31.22	32.07	31.60	31.29	30.32	30.45	29.91	29.99
69.0	21.24	21.56	21.17	21.79	21.33	21.17	20.32	20.43	19.87	20.01
72.0	11.53	11.75	11.42	11.85	11.29	11.18	10.34	10.40	9.867	10.03
75.0	2.918	2.985	2.622	2.735	2.271	2.293	2.094	2.120	2.125	2.145
78.0	1.926	1.859	1.779	1.757	1.758	1.767	1.802	1.848	1.877	1.911
81.0	1.739	1.688	1.612	1.597	1.585	1.595	1.621	1.667	1.695	1.738
84.0	1.600	1.549	1.481	1.455	1.448	1.451	1.475	1.522	1.558	1.603
87.0	1.481	1.435	1.375	1.343	1.333	1.328	1.356	1.401	1.435	1.476
90.0	0.4700	0.3972	0.3078	0.2059	0.0894	0.0333	0.0374	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	1046	1045	1052	1051	1049	1048	1048	1047	1047	1046
3.0	1034	1035	1043	1042	1040	1039	1040	1039	1040	1040
6.0	1006	1007	1016	1015	1014	1013	1016	1015	1017	1017
9.0	959.9	961.9	971.4	969.9	970.7	969.3	973.6	973.3	977.3	977.1
12.0	895.6	897.7	908.4	906.6	909.3	908.3	913.6	913.5	918.7	918.8
15.0	816.9	818.8	829.5	828.4	833.0	832.4	838.7	838.2	844.3	844.6
18.0	735.5	736.9	747.5	746.7	751.6	751.6	758.0	757.5	763.8	763.8
21.0	662.8	663.4	672.9	671.9	675.7	675.7	682.1	682.7	688.9	688.9
24.0	602.5	603.4	611.3	609.2	611.0	611.2	617.9	620.6	626.6	627.3
27.0	548.8	548.7	556.6	555.3	556.9	557.5	563.6	566.3	572.4	573.5
30.0	501.2	501.9	508.8	508.6	511.0	511.3	516.6	519.1	523.8	524.8
33.0	454.6	455.7	462.3	461.3	463.3	463.7	468.4	469.8	476.4	478.5
36.0	406.8	408.0	414.2	413.4	416.1	416.5	421.3	422.5	427.7	428.2
39.0	358.2	358.1	363.5	362.8	366.4	367.1	371.0	371.3	375.3	377.0
42.0	306.7	305.4	309.9	309.2	313.8	314.8	319.0	317.7	321.0	322.9
45.0	253.4	252.2	256.3	255.3	259.6	260.6	264.8	263.4	267.3	268.9
48.0	201.5	201.5	205.4	204.4	207.0	207.2	211.5	211.9	216.4	217.9
51.0	154.0	154.8	158.6	157.2	158.7	157.9	162.5	164.3	169.2	170.1
54.0	113.1	114.2	117.2	115.5	116.6	115.6	120.4	122.1	127.4	127.4
57.0	80.53	80.64	82.76	81.32	82.38	82.09	85.23	86.51	90.57	90.79
60.0	56.98	55.74	56.58	56.20	57.16	57.83	59.28	59.65	61.53	61.59
63.0	40.06	39.16	39.35	39.02	40.12	40.49	41.31	40.63	41.38	41.87
66.0	28.89	28.49	28.72	28.35	28.95	28.99	29.43	28.81	29.27	29.57
69.0	19.16	19.03	19.25	18.91	19.42	19.37	19.78	19.31	19.82	20.08
72.0	9.430	9.373	9.658	9.394	9.895	9.826	10.24	9.903	10.47	10.68
75.0	2.149	2.117	2.162	2.178	2.133	2.055	1.993	1.912	2.218	2.388
78.0	1.929	1.927	1.958	1.974	1.931	1.835	1.709	1.606	1.609	1.691
81.0	1.760	1.767	1.798	1.814	1.778	1.681	1.555	1.446	1.439	1.502
84.0	1.629	1.645	1.682	1.693	1.657	1.562	1.432	1.321	1.297	1.356
87.0	1.500	1.522	1.561	1.581	1.539	1.456	1.324	1.213	1.183	1.234
90.0	0.0374	0.0374	0.0104	0.0104	0.0083	0.0104	0.0104	0.0187	0.0707	0.2433
G/C	300.0	315.0	330.0	345.0						
0.0	1046	1046	1046	1045						
3.0	1041	1040	1041	1040						
6.0	1019	1019	1020	1019						
9.0	980.4	979.6	982.3	980.7						
12.0	924.2	923.7	927.7	925.7						
15.0	851.7	851.9	857.4	855.2						
18.0	771.4	772.6	778.9	776.5						
21.0	695.6	696.8	702.6	700.7						

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	632.0	633.0	637.7	636.3
27.0	577.6	577.0	579.8	579.9
30.0	529.2	528.7	532.0	530.9
33.0	482.7	483.2	485.8	484.3
36.0	433.1	434.3	438.5	437.4
39.0	383.4	385.4	389.6	388.5
42.0	330.9	333.9	338.2	336.3
45.0	276.5	279.5	284.1	281.5
48.0	223.5	225.5	229.7	228.0
51.0	173.9	174.0	177.9	177.9
54.0	130.4	128.9	132.5	133.2
57.0	92.95	92.33	94.90	95.32
60.0	64.18	64.19	66.16	65.46
63.0	44.01	44.70	45.72	44.95
66.0	31.01	31.42	32.08	31.60
69.0	21.21	21.45	21.98	21.64
72.0	11.66	11.95	12.36	12.00
75.0	2.996	3.102	3.464	3.233
78.0	1.773	1.802	1.811	1.872
81.0	1.584	1.614	1.638	1.683
84.0	1.424	1.460	1.482	1.535
87.0	1.301	1.342	1.366	1.419
90.0	0.3702	0.4970	0.5469	0.6031

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: