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LED Downlight FUSION Series LE-FF1-2W-830-40D  
Black

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Light Output Ratio:	100.0%	
Luminaire Power:	3.202 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.65	fine grid method.

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C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Cao Chengpei  
Test Date: 2016-06-25

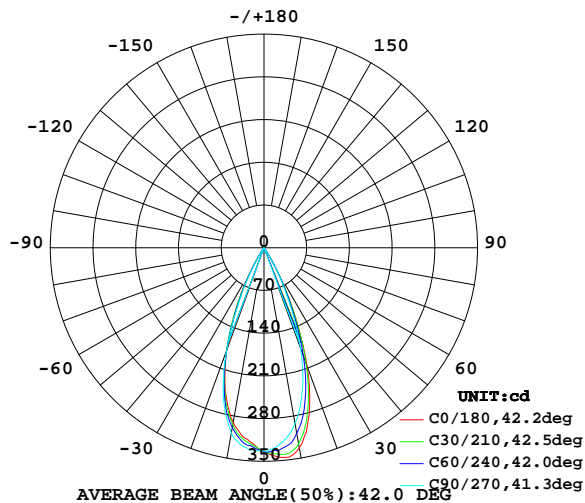
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 53.0%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

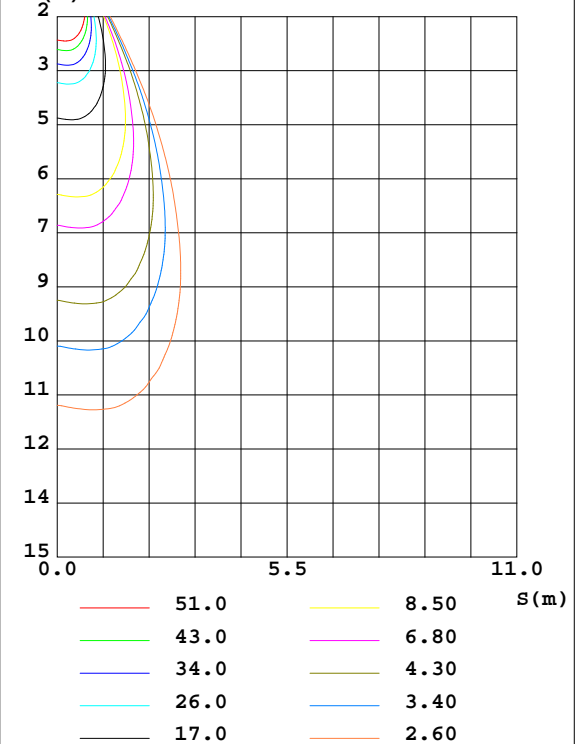
Test:U:220.6V I:0.0203A P:3.202W PF:0.7149 Lamp Flux:154.069x1 lm		
NAME: FF1-2W-830-40D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L45mm*W45mm*H60mm	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 48.12 lm/W			
MODEL	CREE-3000K	I <sub>max</sub> (cd)	345.8	S/MH(C0/180)	0.65
NOMINAL POWER(W)	3.0	LOR(%)	100.0	S/MH(C90/270)	0.63
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	154.07	η UP,DN(C0-180)	0.0,50.2
NOMINAL FLUX(lm)	154.069	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.8
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	0.65

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Cao Chengpei  
 Test Date:2016-06-25

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:53.0%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

### ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

#### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	333.3	319.4	291.9	284.1	291.1	296.3	308.1	323.4	0- 10	30.66	30.66	19.9,19.9
20	206.8	197.7	175.5	171.9	178.9	178.2	179.3	191.3	10- 20	69.91	100.6	65.3,65.3
30	38.95	42.09	38.68	39.96	41.09	36.29	32.99	33.07	20- 30	47.04	147.6	95.8,95.8
40	0.6168	0.7713	0.7313	0.9428	0.8963	0.7598	0.5789	0.5245	30- 40	6.284	153.9	99.9,99.9
50	0.0533	0.0276	0.0384	0.0234	0.0277	0.0511	0.0277	0.0448	40- 50	0.1136	154.0	100,100
60	0.0256	0.0107	0.0192	0.0085	0.0107	0.0256	0.0085	0.0213	50- 60	0.0209	154.0	100,100
70	0.0192	0.0107	0.0150	0.0085	0.0107	0.0170	0.0085	0.0170	60- 70	0.0151	154.0	100,100
80	0.0149	0.0107	0.0170	0.0085	0.0107	0.0107	0.0085	0.0107	70- 80	0.0132	154.1	100,100
90	0.0128	0.0107	0.0128	0.0128	0.0107	0.0107	0.0085	0.0085	80- 90	0.0121	154.1	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	73	97
80	42	48
75	28	49
70	28	22
65	22	20
60	25	19
55	29	26
50	41	29
45	61	46

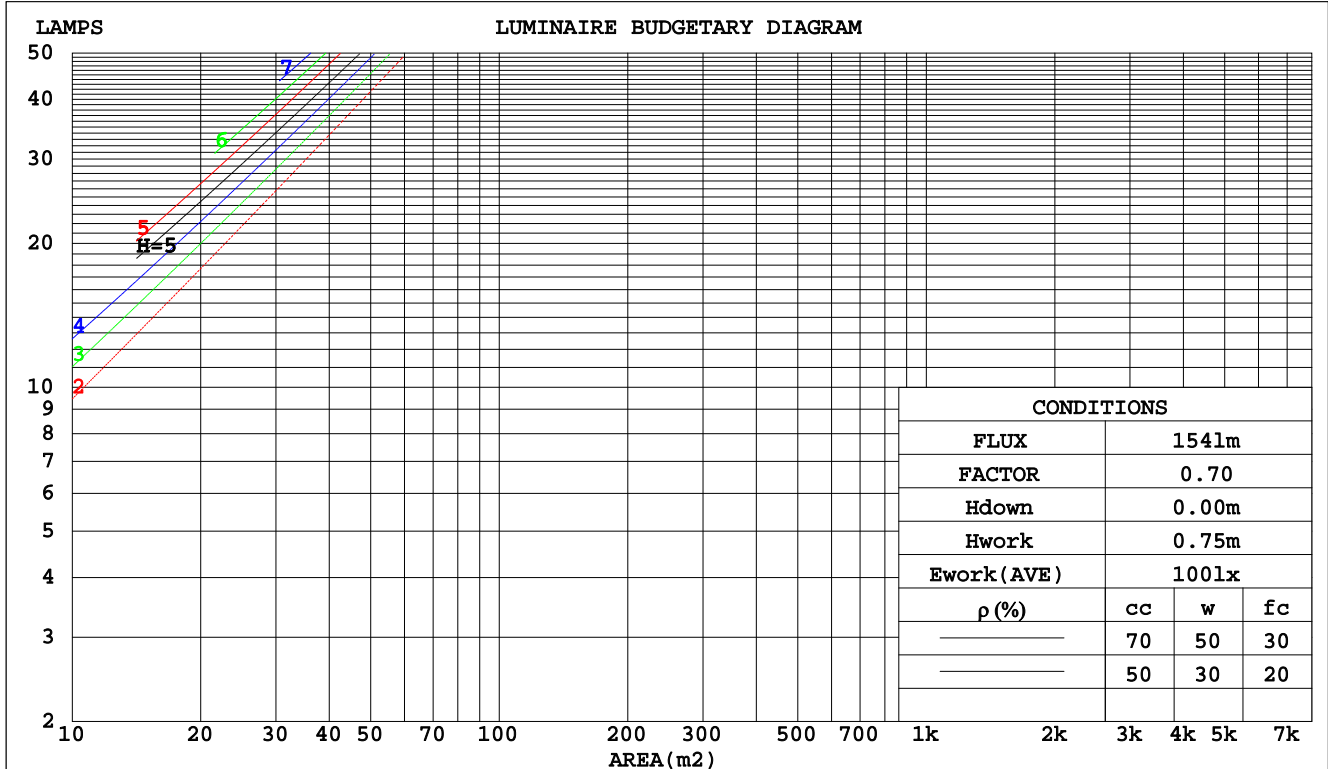
C Range: 0 - 360DEG  
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Temperature:25.3DEG  
Operators:Cao Chengpei  
Test Date:2016-06-25

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 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:53.0%  
Test Distance:5.850m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.6V I:0.0203A P:3.202W PF:0.7149 Lamp Flux:154.069x1 lm		
NAME: FF1-2W-830-40D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L45mm*W45mm*H60mm	
MFR.:		

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	1.12	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96
2.0	1.06	1.03	1.00	1.05	1.02	.99	1.01	.99	.97	.99	.97	.95	.96	.94	.93	.92
3.0	1.01	.97	.94	.90	.96	.93	.97	.94	.92	.95	.92	.90	.93	.91	.89	.88
4.0	.96	.92	.89	.95	.91	.88	.93	.90	.87	.91	.88	.86	.90	.87	.85	.84
5.0	.92	.87	.84	.91	.87	.84	.89	.86	.83	.88	.85	.82	.86	.84	.81	.80
6.0	.88	.83	.80	.87	.83	.80	.86	.82	.79	.85	.81	.79	.83	.80	.78	.77
7.0	.84	.80	.76	.84	.79	.76	.83	.79	.76	.82	.78	.75	.80	.77	.75	.74
8.0	.81	.76	.73	.80	.76	.73	.79	.75	.73	.79	.75	.72	.78	.74	.72	.71
9.0	.78	.73	.70	.77	.73	.70	.77	.72	.70	.76	.72	.69	.75	.72	.69	.68
10.0	.75	.70	.67	.75	.70	.67	.74	.70	.67	.73	.69	.67	.72	.69	.67	.66



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 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:53.0%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

## WEC AND CCEC

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MFR.:					

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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.149	.085	.027	.142	.081	.026	.130	.074	.024	.118	.068	.022	.108	.063	.020	
2.0	.139	.076	.023	.134	.074	.023	.124	.069	.021	.114	.064	.020	.105	.060	.019	
3.0	.131	.070	.021	.126	.068	.020	.118	.064	.019	.110	.060	.018	.102	.057	.018	
4.0	.124	.064	.019	.120	.063	.019	.113	.060	.018	.106	.057	.017	.099	.054	.016	
5.0	.118	.060	.017	.114	.059	.017	.108	.056	.017	.102	.054	.016	.097	.052	.016	
6.0	.112	.056	.016	.109	.055	.016	.104	.053	.015	.099	.051	.015	.094	.049	.015	
7.0	.107	.053	.015	.105	.052	.015	.100	.050	.015	.095	.049	.014	.091	.047	.014	
8.0	.103	.050	.014	.100	.049	.014	.096	.048	.014	.092	.047	.013	.088	.045	.013	
9.0	.099	.048	.013	.097	.047	.013	.093	.046	.013	.089	.045	.013	.086	.044	.013	
10.0	.095	.046	.013	.093	.045	.013	.090	.044	.012	.087	.043	.012	.084	.042	.012	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.169	.158	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.116	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.138	.113	.094	.118	.098	.081	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.126	.098	.077	.108	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.116	.086	.064	.100	.074	.056	.069	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.108	.076	.054	.093	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.101	.068	.046	.087	.059	.040	.060	.042	.028	.035	.024	.017	.011	.008	.006	
8.0	.095	.062	.039	.082	.054	.034	.056	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.089	.056	.034	.077	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.085	.052	.030	.073	.045	.026	.051	.032	.019	.030	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
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Temperature:25.3DEG  
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γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:53.0%  
Test Distance:5.850m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.6V I:0.0203A P:3.202W PF:0.7149 Lamp Flux:154.069x1 lm										
NAME: FF1-2W-830-40D Black					TYPE:Downlight			SERIAL No.:		
SPEC.:3000K					DIM.: L45mm*W45mm*H60mm					
MFR.:										
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	3.7	4.4	3.9	4.6	4.8	4.2	5.0	4.5	5.1	5.3
3H	3.5	4.2	3.8	4.4	4.6	4.1	4.8	4.3	5.0	5.2
4H	3.5	4.1	3.7	4.3	4.5	4.0	4.7	4.3	4.9	5.1
6H	3.4	4.0	3.7	4.2	4.5	3.9	4.5	4.2	4.8	5.0
8H	3.3	3.9	3.6	4.2	4.4	3.9	4.5	4.2	4.7	5.0
12H	3.3	3.9	3.6	4.1	4.4	3.8	4.4	4.2	4.7	4.9
4H 2H	3.5	4.1	3.7	4.3	4.5	4.0	4.7	4.3	4.9	5.1
3H	3.3	3.9	3.6	4.1	4.4	3.8	4.4	4.1	4.7	4.9
4H	3.2	3.7	3.5	4.0	4.3	3.7	4.3	4.1	4.6	4.9
6H	3.1	3.5	3.5	3.9	4.2	3.6	4.1	4.0	4.4	4.8
8H	3.0	3.5	3.4	3.8	4.2	3.6	4.0	4.0	4.4	4.7
12H	3.0	3.4	3.4	3.8	4.1	3.5	3.9	3.9	4.3	4.7
8H 4H	3.0	3.5	3.4	3.8	4.2	3.6	4.0	4.0	4.4	4.7
6H	2.9	3.3	3.4	3.7	4.1	3.5	3.8	3.9	4.2	4.6
8H	2.9	3.2	3.3	3.6	4.0	3.4	3.7	3.9	4.2	4.6
12H	2.8	3.1	3.3	3.5	4.0	3.4	3.6	3.8	4.1	4.5
12H 4H	3.0	3.4	3.4	3.7	4.1	3.5	3.9	3.9	4.3	4.7
6H	2.9	3.2	3.3	3.6	4.0	3.4	3.7	3.9	4.1	4.6
8H	2.8	3.1	3.3	3.5	4.0	3.4	3.6	3.8	4.1	4.5
Variations with the observer position at spacings:										
S = 1.0H	+ 5.2 / - 9.1					+ 5.6 / -10.3				
1.5H	+ 8.0 / - 9.3					+ 8.4 / -10.5				
2.0H	+ 1.5 / - 0.9					+ 0.8 / - 0.7				

CIE Pub.117 Corrected 154.1 lm Total Lamp Luminous Flux.(8log(F/F0) = -6.5)

C Range: 0 - 360DEG  
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γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:53.0%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:220.6V I:0.0203A P:3.202W PF:0.7149 Lamp Flux:154.069x1 lm		
NAME: FF1-2W-830-40D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L45mm*W45mm*H60mm	
MFR.:		

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) $k(RI) \times RCR = 5$									
$k = 0.60$	92	86	83	91	86	82	90	85	82	79
0.80	98	93	90	98	93	90	97	92	90	86
1.00	102	97	94	101	97	94	100	96	93	90
1.25	106	101	98	105	100	98	103	99	97	93
1.50	108	104	101	107	103	100	105	102	99	95
2.00	110	106	103	109	105	103	106	103	101	96
2.50	111	108	105	110	107	105	107	104	103	97
3.00	113	110	107	111	108	106	108	106	104	98
4.00	115	112	110	113	111	109	109	107	106	99
5.00	116	114	112	114	112	111	110	109	108	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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## ISOCANDELA DIAGRAM

Test:U:220.6V I:0.0203A P:3.202W PF:0.7149 Lamp Flux:154.069x1 lm		
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SPEC.:3000K	DIM.: L45mm*W45mm*H60mm	
MFR.:		

Conical surface Flux(90deg):

153.99 lm

%lum = 99.9%

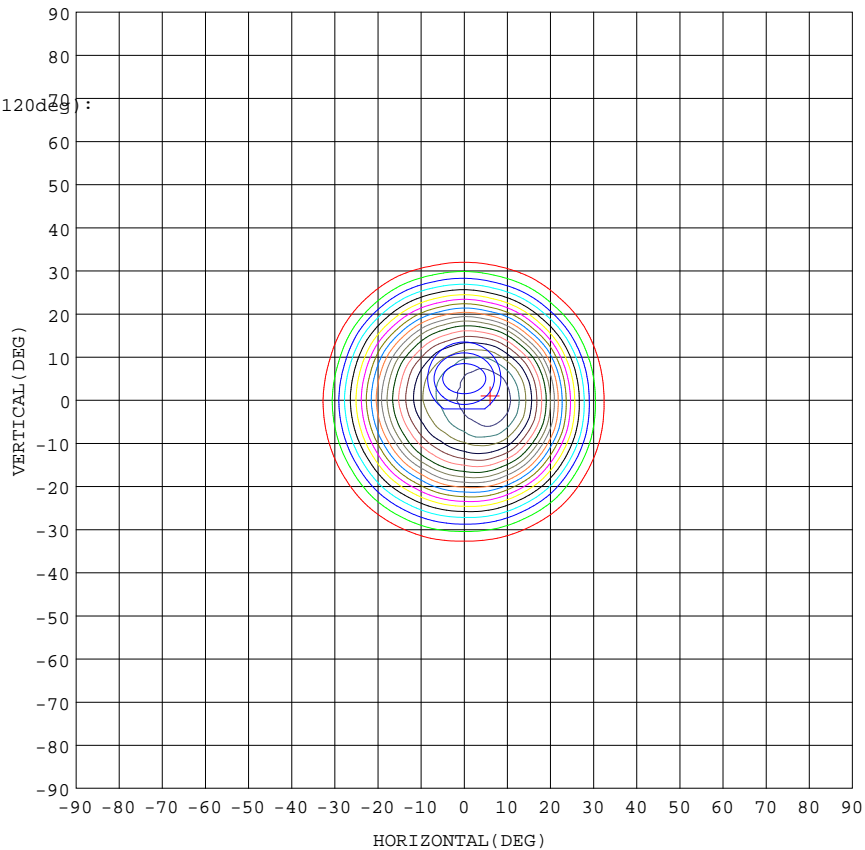
%lamp = 99.9%

Conical surface Flux(120deg):

154.03 lm

%lum = 100.0%

%lamp = 100.0%



1. AVG=327.4, MIN=311.1
2. AVG=324.1, MIN=295.7
3. AVG=318.7, MIN=273.2

Imax:345.6 (H6.0, V1.0)  
(At:C=345.0, Gamma=6.0)

UNIT: cd

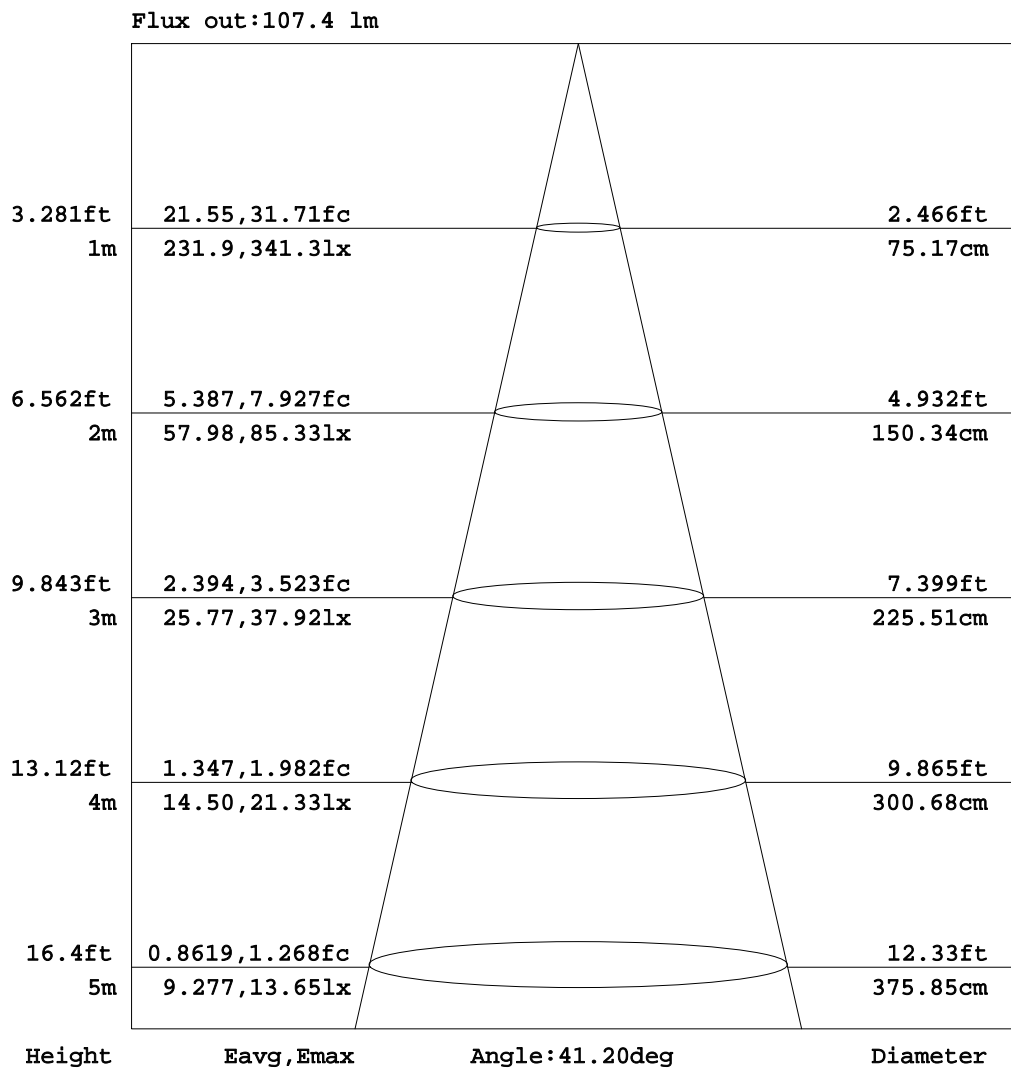
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## AAI Figure

Test:U:220.6V I:0.0203A P:3.202W PF:0.7149 Lamp Flux:154.069x1 lm		
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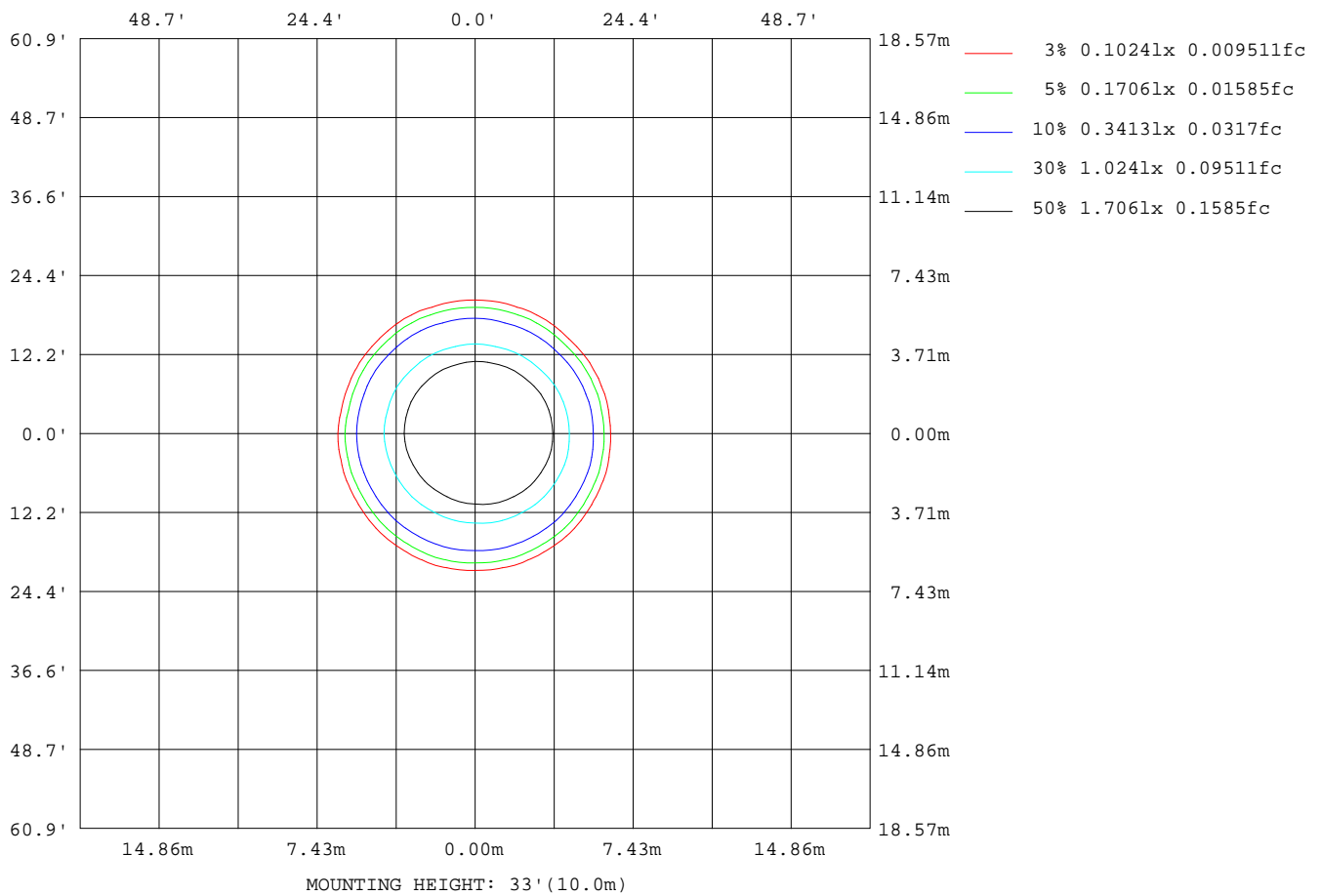
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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Test Distance:5.850m [K=1.0000]  
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## ISOLUX DIAGRAM

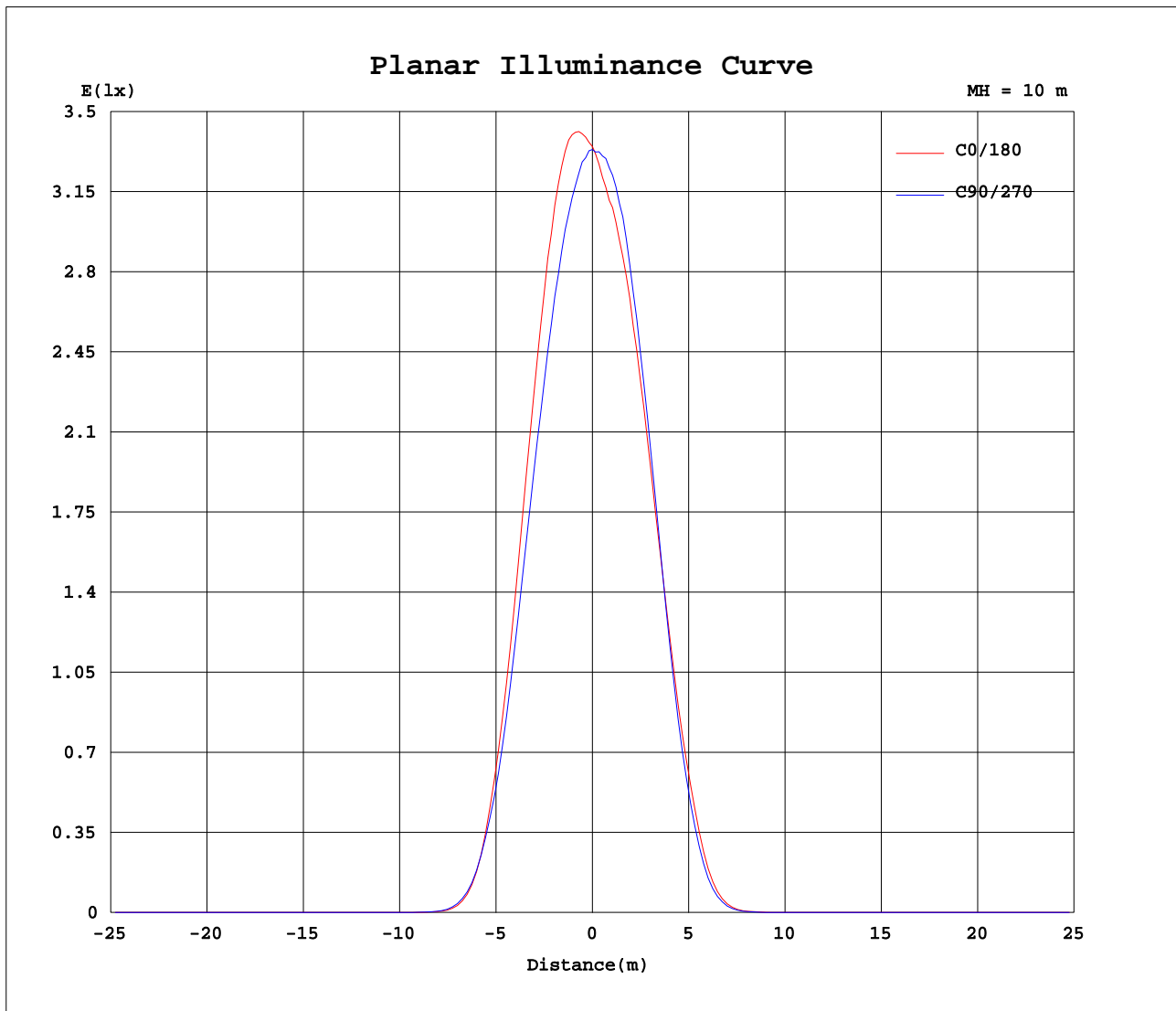
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## Planar Illuminance Curve



C Range: 0 - 360DEG  
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## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:0.0203A P:3.202W PF:0.7149 Lamp Flux:154.069x1 lm		
NAME: FF1-2W-830-40D Black	TYPE:Downlight	SERIAL No.:
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Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Cao Chengpei  
Test Date: 2016-06-25

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:53.0%
Test Distance:5.850m [K=1.0000]
Remarks:

```

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:0.0203A P:3.202W PF:0.7149 Lamp Flux:154.069x1 lm		
NAME: FF1-2W-830-40D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L45mm*W45mm*H60mm	
MFR.:		

Table--2

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Cao Chengpei  
Test Date: 2016-06-25

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:53.0%
Test Distance:5.850m [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	334.7	333.9	334.1	333.7	333.9	333.4	333.4	333.2	333.1	333.1
3.0	341.7	340.4	338.1	336.1	332.3	331.2	329.3	325.0	322.9	324.9
6.0	345.5	344.5	340.0	336.7	328.4	324.3	317.5	314.8	312.6	310.0
9.0	338.7	337.4	332.3	326.1	316.7	309.5	300.3	295.8	292.0	292.9
12.0	317.3	316.4	310.4	303.3	293.5	284.6	275.1	269.8	267.1	268.1
15.0	285.1	284.3	276.9	272.1	260.1	253.0	242.6	239.6	236.6	236.8
18.0	241.3	242.3	234.8	230.1	219.9	213.5	204.7	201.4	197.8	200.4
21.0	188.1	190.2	184.9	180.9	173.3	167.7	159.7	158.5	155.0	157.4
24.0	131.8	135.1	130.8	128.6	121.6	117.8	112.6	111.4	110.3	113.0
27.0	81.22	84.04	82.57	81.21	76.60	74.61	71.02	71.63	71.57	73.91
30.0	38.95	41.27	40.20	42.09	39.97	40.02	38.68	39.88	39.10	39.96
33.0	13.59	14.77	14.73	15.90	15.77	16.02	15.36	16.31	15.74	15.75
36.0	3.516	4.063	4.061	4.509	4.527	4.951	4.644	4.947	4.807	4.965
39.0	0.8872	0.9748	0.9586	1.166	1.225	1.177	1.131	1.280	1.359	1.395
42.0	0.1878	0.1976	0.1965	0.2947	0.2977	0.3729	0.3241	0.3644	0.2868	0.3539
45.0	0.0876	0.0659	0.0812	0.0574	0.0769	0.0489	0.0662	0.0446	0.0684	0.0510
48.0	0.0619	0.0362	0.0554	0.0298	0.0490	0.0277	0.0448	0.0277	0.0469	0.0277
51.0	0.0490	0.0277	0.0426	0.0213	0.0384	0.0191	0.0341	0.0170	0.0341	0.0234
54.0	0.0362	0.0149	0.0362	0.0107	0.0320	0.0128	0.0298	0.0149	0.0298	0.0106
57.0	0.0298	0.0107	0.0277	0.0107	0.0277	0.0128	0.0256	0.0149	0.0298	0.0085
60.0	0.0256	0.0107	0.0234	0.0107	0.0234	0.0128	0.0192	0.0149	0.0235	0.0085
63.0	0.0256	0.0107	0.0213	0.0107	0.0192	0.0128	0.0192	0.0149	0.0213	0.0085
66.0	0.0192	0.0107	0.0192	0.0107	0.0171	0.0128	0.0170	0.0149	0.0192	0.0085
69.0	0.0170	0.0107	0.0170	0.0107	0.0149	0.0128	0.0191	0.0149	0.0170	0.0085
72.0	0.0149	0.0107	0.0191	0.0107	0.0149	0.0128	0.0149	0.0149	0.0149	0.0085
75.0	0.0149	0.0107	0.0149	0.0107	0.0128	0.0128	0.0255	0.0149	0.0128	0.0085
78.0	0.0149	0.0107	0.0128	0.0107	0.0128	0.0128	0.0171	0.0128	0.0128	0.0085
81.0	0.0149	0.0128	0.0128	0.0107	0.0128	0.0128	0.0170	0.0128	0.0128	0.0085
84.0	0.0170	0.0128	0.0107	0.0107	0.0128	0.0128	0.0170	0.0128	0.0128	0.0128
87.0	0.0128	0.0128	0.0107	0.0107	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128
90.0	0.0128	0.0128	0.0107	0.0107	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	332.9	333.3	334.7	333.9	334.1	333.7	333.4	333.9	333.4	333.2
3.0	321.8	322.0	322.6	324.4	324.9	327.0	327.5	328.6	332.0	333.9
6.0	309.5	308.8	313.1	313.2	316.6	317.1	321.4	323.1	327.5	330.8
9.0	292.4	294.3	297.5	298.9	301.7	302.7	305.9	309.0	315.5	318.8
12.0	267.6	271.7	273.9	275.4	277.8	279.5	283.2	284.5	289.6	294.4
15.0	236.2	239.5	244.7	244.3	247.1	247.8	250.6	250.6	256.3	259.7
18.0	199.5	202.4	206.1	206.1	208.7	207.6	210.2	208.6	213.2	215.2
21.0	158.3	160.9	164.2	163.0	165.4	162.2	162.7	159.6	161.9	161.5
24.0	113.2	115.9	119.1	117.7	118.9	115.4	114.1	110.2	110.8	109.6
27.0	73.54	76.36	78.92	77.34	77.78	73.84	72.00	68.00	67.59	66.34
30.0	38.37	40.00	41.09	37.84	38.39	36.29	35.77	32.99	32.99	31.86
33.0	15.07	15.44	15.55	13.70	13.83	13.23	13.19	11.76	11.98	11.64
36.0	4.480	4.391	4.420	3.922	4.107	3.870	3.793	3.261	3.323	3.012
39.0	1.252	1.222	1.143	1.100	1.210	1.138	1.095	0.8972	0.8635	0.8091
42.0	0.2746	0.2736	0.2942	0.1867	0.1845	0.1564	0.1317	0.1403	0.1294	0.1357
45.0	0.0769	0.0595	0.0595	0.0832	0.0574	0.0768	0.0574	0.0683	0.0446	0.0661
48.0	0.0512	0.0298	0.0319	0.0554	0.0319	0.0554	0.0362	0.0554	0.0277	0.0469
51.0	0.0405	0.0234	0.0276	0.0426	0.0277	0.0469	0.0277	0.0426	0.0255	0.0384
54.0	0.0320	0.0107	0.0107	0.0362	0.0192	0.0384	0.0191	0.0362	0.0106	0.0299
57.0	0.0298	0.0107	0.0107	0.0298	0.0106	0.0299	0.0106	0.0298	0.0085	0.0277
60.0	0.0256	0.0107	0.0107	0.0234	0.0085	0.0256	0.0085	0.0256	0.0085	0.0255
63.0	0.0213	0.0107	0.0107	0.0213	0.0085	0.0234	0.0085	0.0234	0.0085	0.0213
66.0	0.0213	0.0107	0.0107	0.0213	0.0085	0.0213	0.0085	0.0192	0.0085	0.0213
69.0	0.0192	0.0107	0.0107	0.0213	0.0085	0.0171	0.0085	0.0170	0.0085	0.0171
72.0	0.0170	0.0107	0.0107	0.0170	0.0085	0.0170	0.0085	0.0171	0.0085	0.0149
75.0	0.0149	0.0107	0.0107	0.0170	0.0085	0.0149	0.0085	0.0128	0.0085	0.0149
78.0	0.0128	0.0107	0.0107	0.0149	0.0085	0.0128	0.0085	0.0128	0.0085	0.0149
81.0	0.0107	0.0107	0.0107	0.0128	0.0085	0.0107	0.0085	0.0128	0.0085	0.0149
84.0	0.0107	0.0107	0.0107	0.0107	0.0085	0.0107	0.0085	0.0128	0.0085	0.0128
87.0	0.0107	0.0107	0.0107	0.0107	0.0085	0.0107	0.0085	0.0107	0.0085	0.0107
90.0	0.0107	0.0107	0.0107	0.0085	0.0085	0.0107	0.0085	0.0085	0.0085	0.0107
G/C	300.0	315.0	330.0	345.0						
0.0	333.1	333.1	332.9	333.3						
3.0	337.2	337.8	340.2	341.3						
6.0	335.9	340.3	343.3	345.8						
9.0	325.9	330.2	335.4	338.5						
12.0	302.4	307.5	313.8	318.0						
15.0	267.5	271.8	280.1	284.4						
18.0	222.8	227.3	237.4	240.6						
21.0	168.6	172.5	183.6	186.8						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: Cao Chengpei

Test Date: 2016-06-25

γ Range: 0 - 90DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288

Humidity: 53.0%

Test Distance: 5.850m [K=1.0000]

Remarks:

## Photometric Data Table [cd]

24.0	114.3	117.7	126.5	129.7
27.0	68.78	70.17	76.24	79.34
30.0	33.39	33.07	36.53	38.18
33.0	12.01	11.70	12.92	13.35
36.0	3.148	3.095	3.412	3.468
39.0	0.8761	0.7941	0.8532	0.8349
42.0	0.1211	0.1483	0.1423	0.1680
45.0	0.0468	0.0747	0.0595	0.0811
48.0	0.0298	0.0512	0.0340	0.0575
51.0	0.0191	0.0426	0.0255	0.0426
54.0	0.0107	0.0341	0.0128	0.0341
57.0	0.0085	0.0277	0.0085	0.0298
60.0	0.0085	0.0213	0.0085	0.0256
63.0	0.0085	0.0234	0.0085	0.0213
66.0	0.0085	0.0192	0.0085	0.0234
69.0	0.0085	0.0171	0.0085	0.0171
72.0	0.0085	0.0149	0.0085	0.0149
75.0	0.0085	0.0128	0.0085	0.0149
78.0	0.0085	0.0107	0.0085	0.0149
81.0	0.0085	0.0107	0.0085	0.0128
84.0	0.0085	0.0128	0.0085	0.0107
87.0	0.0085	0.0085	0.0085	0.0085
90.0	0.0085	0.0085	0.0085	0.0085

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Cao Chengpei  
Test Date: 2016-06-25

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 53.0%  
Test Distance: 5.850m [K=1.0000]  
Remarks: