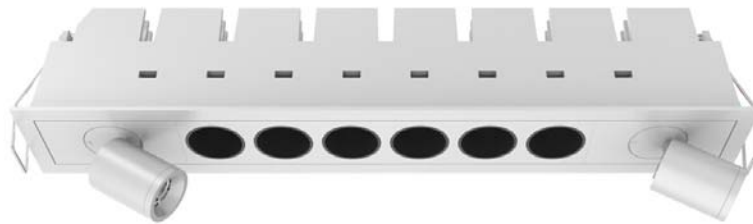


**LED Downlight FUSION Series LE-FF6-FS2-17W-930-40D**  
**Black**



Light Output Ratio:	100.0%	
Luminaire Power:	19.78 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.60	fine grid method.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-06

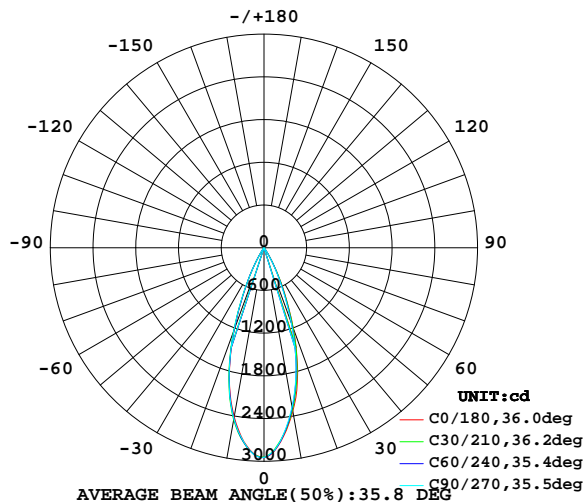
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

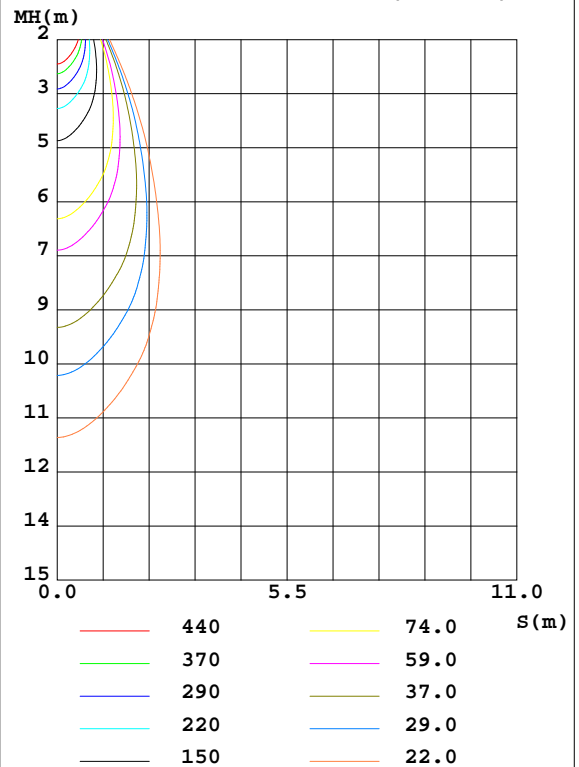
Test:U:220.8V I:0.0940A P:19.78W PF:0.9534 Lamp Flux:1102.4x1 lm		
NAME: FF6-FS2-17W-930-40D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*W45mm*H60mm	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 55.74 lm/W			
MODEL	CREE-3000K	I <sub>max</sub> (cd)	2950	S/MH(C0/180)	0.58
NOMINAL POWER(W)	19.0	LOR(%)	100.0	S/MH(C90/270)	0.58
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1102.4	η UP,DN(C0-180)	0.0,49.0
NOMINAL FLUX(lm)	1102.4	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,51.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	0.60

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



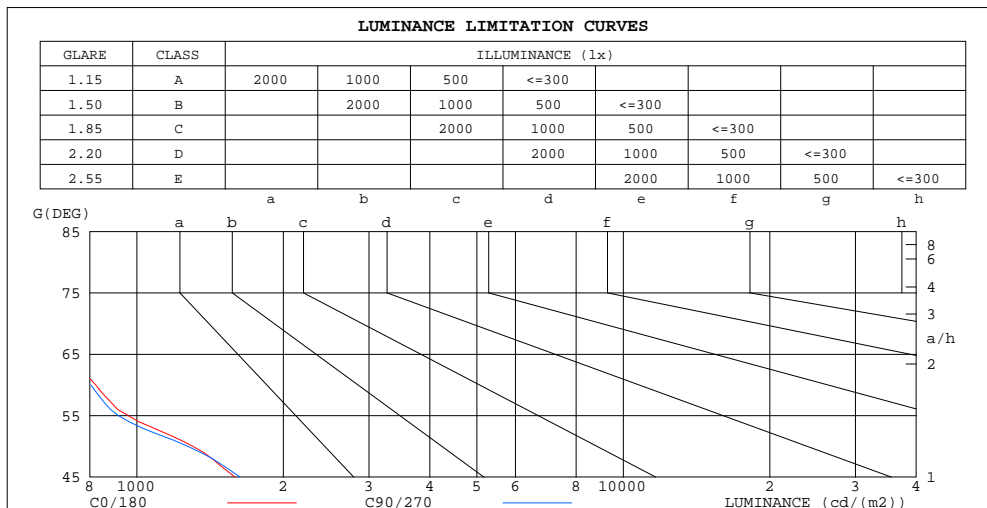
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-06-06

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 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	$\Phi$ lum, lamp
10	2331	2313	2269	2294	2412	2420	2440	2405	0- 10	250.4	250.4	22.7,22.7
20	1209	1175	1129	1124	1225	1209	1237	1224	10- 20	495.4	745.8	67.7,67.7
30	244.8	240.3	217.1	215.4	222.2	217.0	220.3	221.6	20- 30	284.5	1030	93.5,93.5
40	22.91	24.00	23.20	22.55	22.06	21.58	21.74	21.57	30- 40	47.86	1078	97.8,97.8
50	10.94	10.80	10.68	10.52	10.49	10.44	10.66	10.75	40- 50	11.66	1090	98.9,98.9
60	5.371	5.250	5.248	5.206	5.268	5.105	5.310	5.350	50- 60	6.504	1096	99.5,99.5
70	2.836	2.727	2.696	2.668	2.619	2.641	2.752	2.796	60- 70	3.903	1100	99.8,99.8
80	0.9260	0.9043	0.8189	0.7710	0.7576	0.7945	0.8450	0.8995	70- 80	1.681	1102	100,100
90	0.0612	0.0525	0.0525	0.0503	0.0350	0.0350	0.0350	0.0547	80- 90	0.4245	1102	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(°)	C0/180	C90/270
85	393	316
80	409	361
75	456	412
70	635	604
65	730	716
60	823	804
55	960	916
50	1304	1273
45	1591	1630

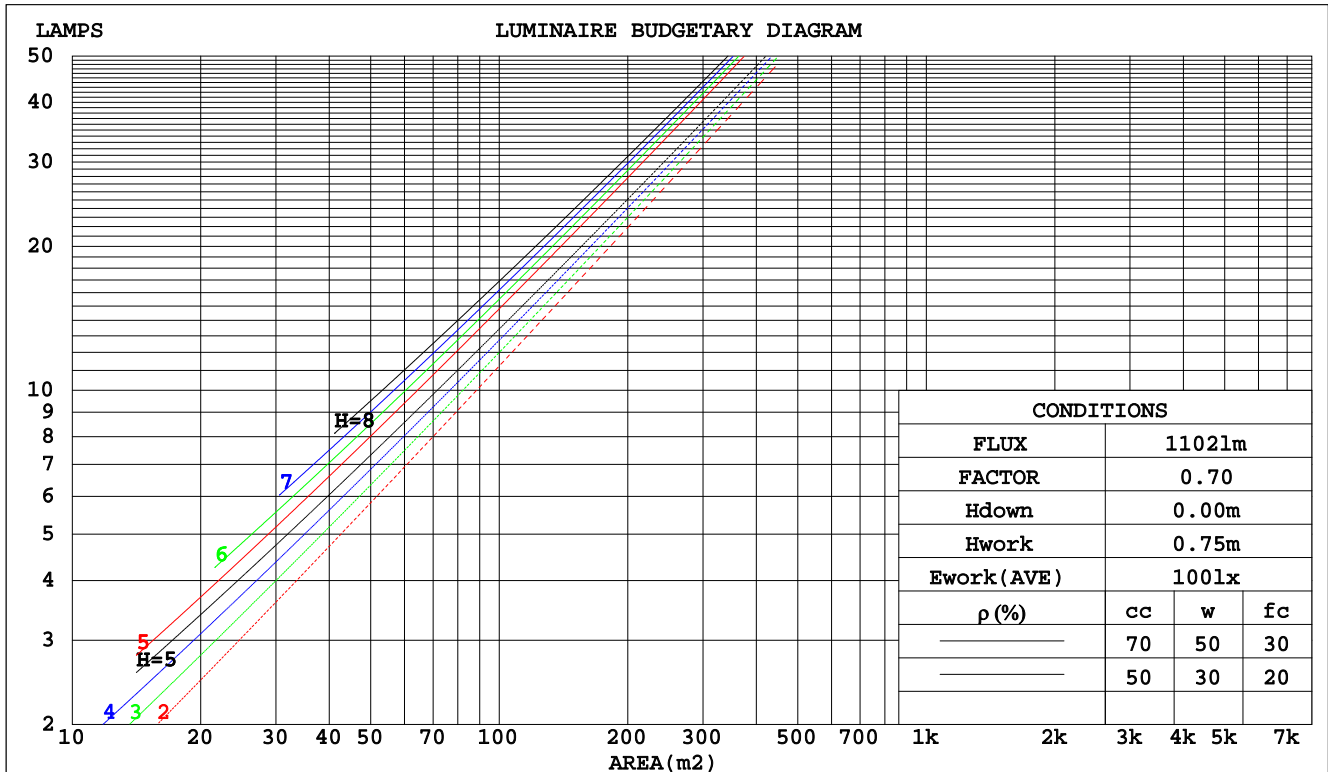
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-06-06

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity: 52%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.8V I:0.0940A P:19.78W PF:0.9534 Lamp Flux:1102.4x1 lm		
NAME: FF6-FS2-17W-930-40D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*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	.98	.97	.95	.96	.94	.93	.91
3.0	1.01	.97	.94	.90	.96	.93	.97	.94	.91	.95	.92	.90	.93	.91	.89	.87
4.0	.96	.92	.88	.95	.91	.88	.93	.90	.87	.91	.88	.86	.89	.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	.85	.80	.76	.84	.79	.76	.83	.79	.76	.82	.78	.76	.81	.78	.75	.74
8.0	.81	.77	.73	.81	.76	.73	.80	.76	.73	.79	.75	.73	.78	.75	.72	.71
9.0	.78	.74	.70	.78	.73	.70	.77	.73	.70	.76	.73	.70	.75	.72	.70	.69
10.0	.75	.71	.68	.75	.71	.68	.74	.70	.68	.74	.70	.67	.73	.70	.67	.66



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-06-06

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

## WEC AND CCEC

Test:U:220.8V I:0.0940A P:19.78W PF:0.9534 Lamp Flux:1102.4x1 lm		
NAME: FF6-FS2-17W-930-40D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.150	.085	.027	.144	.082	.026	.131	.075	.024	.120	.069	.022	.109	.063	.020		
2.0	.141	.077	.024	.135	.074	.023	.125	.069	.022	.115	.065	.020	.106	.060	.019		
3.0	.132	.070	.021	.127	.068	.021	.119	.064	.020	.111	.061	.019	.103	.057	.018		
4.0	.124	.065	.019	.120	.063	.019	.113	.060	.018	.106	.057	.017	.100	.054	.017		
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	.098	.051	.015	.094	.049	.015		
7.0	.107	.053	.015	.104	.052	.015	.099	.050	.014	.095	.049	.014	.091	.047	.014		
8.0	.102	.050	.014	.100	.049	.014	.096	.048	.014	.092	.046	.013	.088	.045	.013		
9.0	.098	.047	.013	.096	.047	.013	.092	.046	.013	.088	.044	.013	.085	.043	.012		
10.0	.094	.045	.013	.092	.045	.012	.089	.043	.012	.086	.043	.012	.083	.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	.087	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.116	.130	.114	.101	.089	.079	.070	.051	.046	.041	.017	.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	.075	.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	.094	.062	.039	.081	.054	.034	.056	.038	.024	.033	.022	.015	.011	.007	.005	
9.0	.089	.056	.034	.077	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.084	.052	.030	.073	.045	.026	.050	.032	.019	.029	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-06-06

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.8V I:0.0940A P:19.78W PF:0.9534 Lamp Flux:1102.4x1 lm										
NAME: FF6-FS2-17W-930-40D Black					TYPE:Downlight			SERIAL No.:		
SPEC.:3000K					DIM.: L290mm*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	6.1	6.8	6.3	7.0	7.1	5.6	6.3	5.8	6.5	6.6
3H	6.2	6.9	6.5	7.1	7.3	5.8	6.4	6.0	6.6	6.8
4H	6.3	6.9	6.5	7.1	7.4	5.8	6.4	6.1	6.7	6.9
6H	6.3	6.9	6.6	7.1	7.4	5.8	6.4	6.1	6.6	6.9
8H	6.3	6.9	6.6	7.1	7.4	5.8	6.4	6.1	6.6	6.9
12H	6.3	6.8	6.6	7.1	7.4	5.8	6.3	6.1	6.6	6.9
4H 2H	6.0	6.7	6.3	6.9	7.1	5.5	6.2	5.8	6.4	6.6
3H	6.3	6.8	6.6	7.1	7.4	5.8	6.4	6.1	6.7	6.9
4H	6.3	6.9	6.7	7.2	7.5	5.9	6.4	6.2	6.7	7.0
6H	6.4	6.8	6.8	7.2	7.5	5.9	6.4	6.3	6.7	7.1
8H	6.4	6.8	6.8	7.2	7.5	5.9	6.4	6.3	6.7	7.1
12H	6.4	6.8	6.8	7.1	7.5	5.9	6.3	6.3	6.7	7.1
8H 4H	6.3	6.7	6.7	7.1	7.4	5.8	6.3	6.2	6.6	7.0
6H	6.4	6.7	6.8	7.1	7.5	5.9	6.3	6.3	6.7	7.1
8H	6.4	6.7	6.8	7.1	7.6	5.9	6.2	6.4	6.7	7.1
12H	6.4	6.7	6.9	7.1	7.6	5.9	6.2	6.4	6.7	7.1
12H 4H	6.2	6.6	6.6	7.0	7.4	5.8	6.2	6.2	6.6	6.9
6H	6.3	6.6	6.8	7.1	7.5	5.9	6.2	6.3	6.6	7.0
8H	6.4	6.6	6.8	7.1	7.5	5.9	6.2	6.4	6.6	7.1
Variations with the observer position at spacings:										
S = 1.0H	+ 1.5 / - 1.5					+ 1.5 / - 1.5				
1.5H	+ 2.5 / - 1.2					+ 2.5 / - 1.3				
2.0H	+ 1.6 / - 1.0					+ 1.8 / - 1.0				

CIE Pub.117 Corrected 1102 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.3)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-06-06

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:220.8V I:0.0940A P:19.78W PF:0.9534 Lamp Flux:1102.4x1 lm		
NAME: FF6-FS2-17W-930-40D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*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) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	81	90	84	81	89	84	81	77
0.80	97	92	89	97	92	88	95	91	88	85
1.00	101	96	93	100	96	92	99	95	92	88
1.25	105	100	97	104	99	96	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	109	106	103	108	105	102	105	103	100	95
2.50	111	107	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	113	112	113	112	110	110	108	107	100
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:Meng Yongjian  
 Test Date:2017-06-06

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:220.8V I:0.0940A P:19.78W PF:0.9534 Lamp Flux:1102.4x1 lm		
NAME: FF6-FS2-17W-930-40D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*W45mm*H60mm	
MFR.:		

Conical surface Flux(90deg):

1084.8 lm

%lum = 98.4%

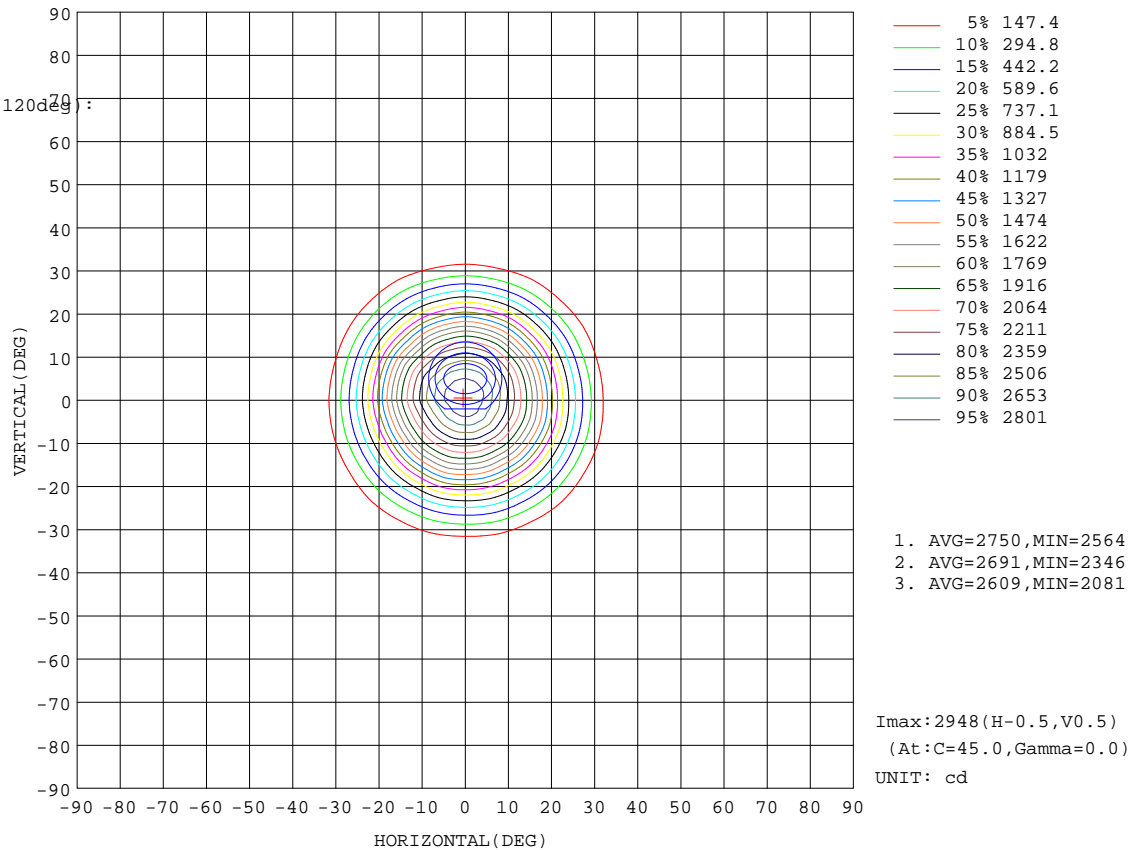
%lamp = 98.4%

Conical surface Flux(120deg):

1096.4 lm

%lum = 99.5%

%lamp = 99.5%



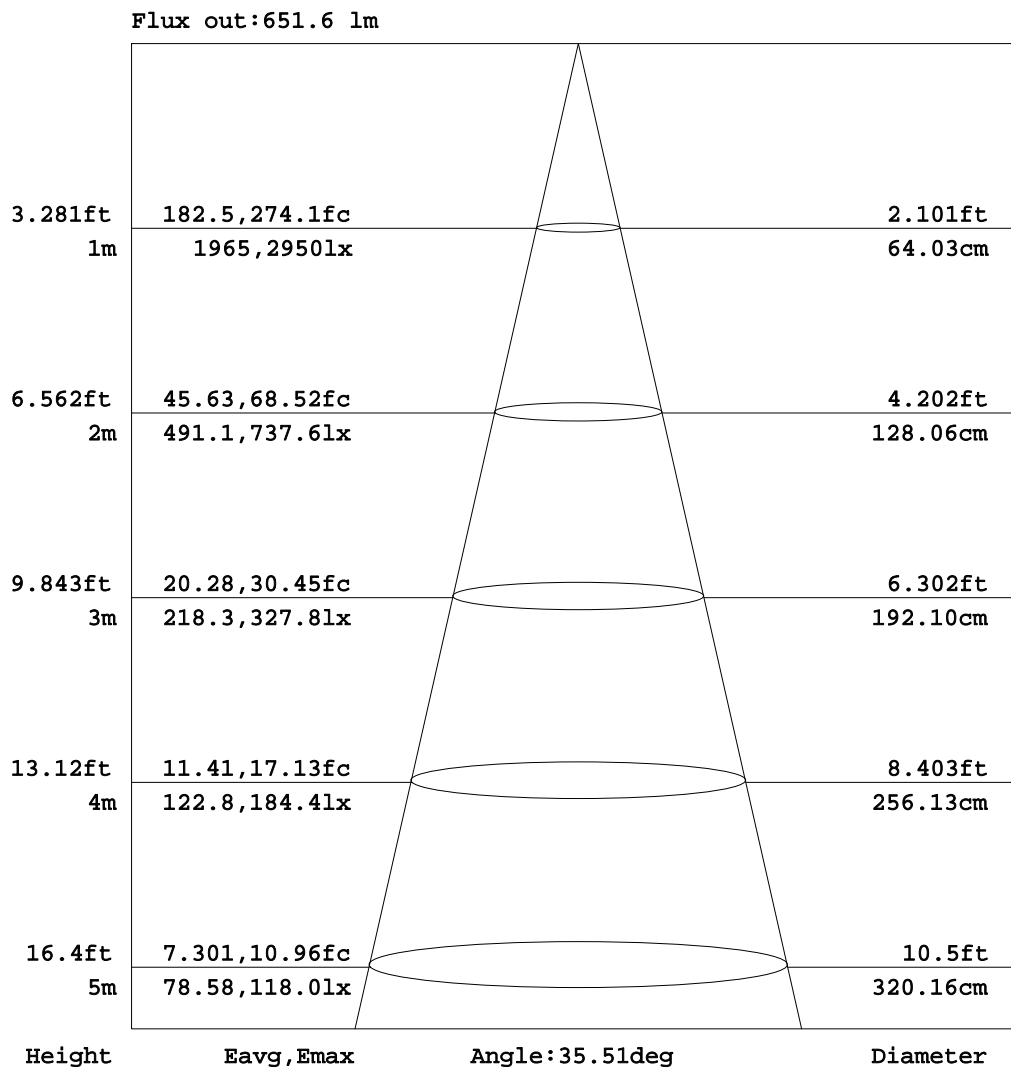
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-06

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:220.8V I:0.0940A P:19.78W PF:0.9534 Lamp Flux:1102.4x1 lm		
NAME: FF6-FS2-17W-930-40D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*W45mm*H60mm	
MFR.:		



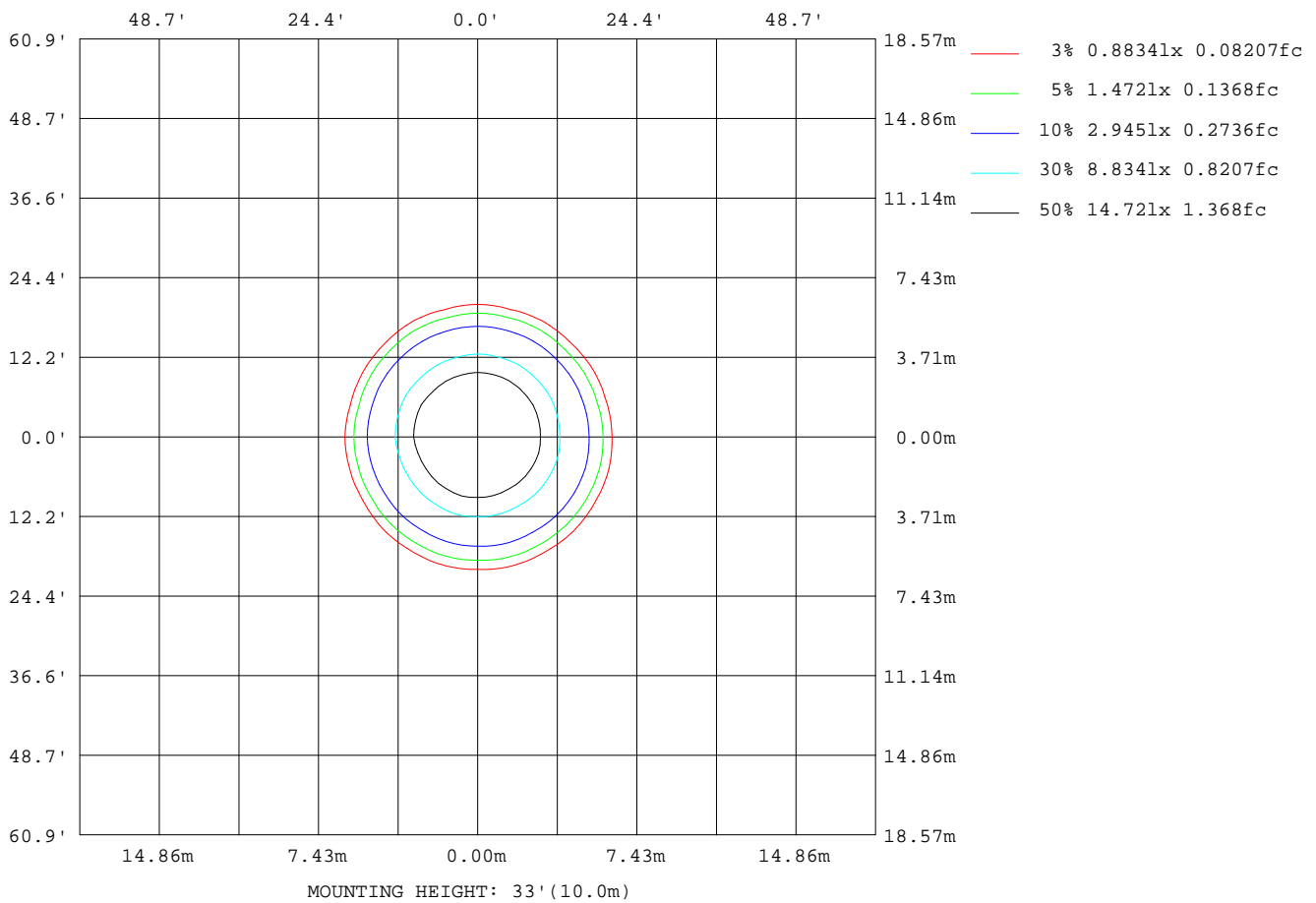
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-06

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

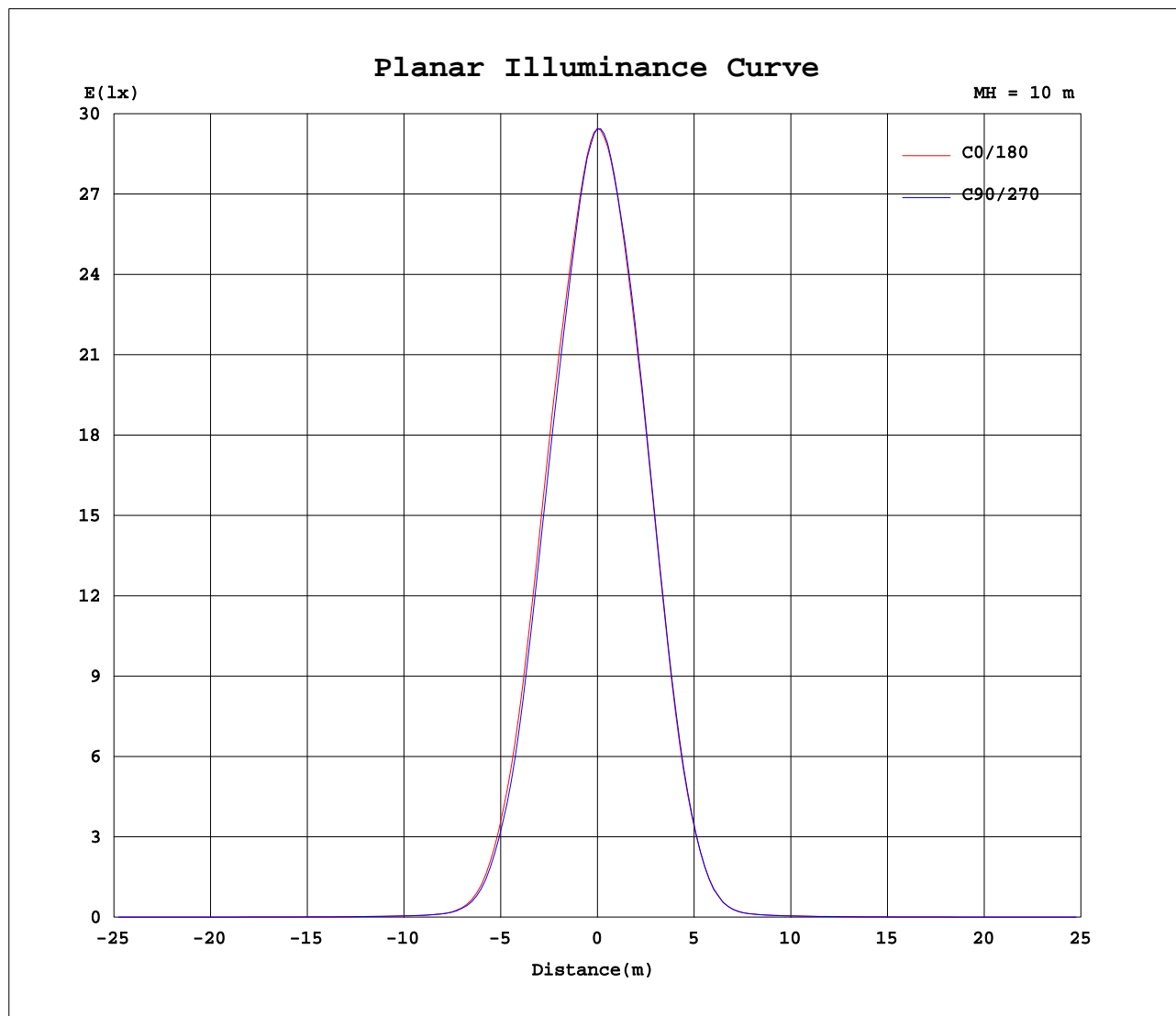
Test:U:220.8V I:0.0940A P:19.78W PF:0.9534 Lamp Flux:1102.4x1 lm		
NAME: FF6-FS2-17W-930-40D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*W45mm*H60mm	
MFR.:		



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-06-06

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-06

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:0.0940A P:19.78W PF:0.9534 Lamp Flux:1102.4x1 lm		
NAME: FF6-FS2-17W-930-40D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*W45mm*H60mm	
MFR.:		

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-06

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

```

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:0.0940A P:19.78W PF:0.9534 Lamp Flux:1102.4x1 lm		
NAME: FF6-FS2-17W-930-40D Black	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*W45mm*H60mm	
MFR.:		

Table--2

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-06

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
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	2945	2943	2940	2950	2948	2947	2945	2944	2942	2942
3.0	2856	2852	2836	2859	2850	2856	2848	2850	2841	2849
6.0	2658	2657	2638	2660	2643	2647	2632	2636	2626	2640
9.0	2419	2421	2401	2406	2381	2381	2362	2381	2376	2387
12.0	2154	2147	2116	2114	2086	2086	2072	2088	2083	2091
15.0	1830	1835	1799	1787	1747	1752	1742	1766	1748	1758
18.0	1459	1479	1442	1427	1384	1392	1380	1400	1371	1383
21.0	1080	1098	1067	1051	1011	1014	1003	1017	988.7	998.6
24.0	737.3	748.6	726.1	713.1	686.7	685.5	666.7	672.4	654.0	663.0
27.0	460.2	470.3	462.2	450.9	430.4	432.1	414.9	414.4	404.0	411.8
30.0	244.8	251.4	243.2	240.3	230.2	229.7	217.1	221.5	213.3	215.4
33.0	112.0	114.6	111.2	109.6	105.9	104.5	98.78	100.3	97.51	95.51
36.0	50.96	51.45	53.04	50.30	47.56	47.65	45.89	46.59	43.85	43.44
39.0	26.52	27.68	27.55	27.72	26.71	26.77	26.04	26.79	26.01	25.46
42.0	17.90	18.31	18.39	18.39	17.73	18.49	18.38	18.61	18.24	17.90
45.0	14.68	14.99	14.84	14.87	14.61	15.11	15.04	15.22	14.98	14.85
48.0	12.45	12.60	12.39	12.46	12.28	12.47	12.48	12.52	12.39	12.45
51.0	10.11	10.16	9.860	9.905	9.716	9.770	9.769	9.769	9.555	9.570
54.0	7.740	7.784	7.562	7.576	7.365	7.462	7.398	7.400	7.301	7.216
57.0	6.314	6.320	6.205	6.148	5.990	6.050	6.115	6.168	6.154	6.122
60.0	5.371	5.359	5.257	5.250	5.195	5.210	5.248	5.291	5.264	5.206
63.0	4.518	4.528	4.461	4.539	4.363	4.434	4.442	4.475	4.391	4.342
66.0	3.792	3.768	3.709	3.772	3.619	3.695	3.689	3.739	3.663	3.615
69.0	3.074	3.046	2.974	2.967	2.917	2.949	2.937	3.061	2.939	2.908
72.0	2.393	2.381	2.272	2.278	2.229	2.208	2.237	2.312	2.205	2.189
75.0	1.541	1.603	1.509	1.492	1.440	1.433	1.391	1.374	1.338	1.322
78.0	1.138	1.151	1.129	1.116	1.090	1.068	1.038	1.020	0.9961	0.9809
81.0	0.8232	0.8257	0.8101	0.8016	0.7707	0.7579	0.7225	0.7163	0.6854	0.6748
84.0	0.5303	0.5414	0.5237	0.5151	0.4866	0.4736	0.4428	0.4320	0.4078	0.3927
87.0	0.2830	0.2792	0.2698	0.2486	0.2392	0.2115	0.2021	0.1722	0.1671	0.1328
90.0	0.0612	0.0568	0.0590	0.0525	0.0525	0.0503	0.0525	0.0503	0.0503	0.0503
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	2941	2943	2943	2940	2940	2950	2948	2947	2945	2944
3.0	2846	2857	2890	2891	2898	2895	2899	2895	2901	2896
6.0	2645	2669	2733	2736	2751	2739	2747	2737	2739	2729
9.0	2390	2428	2500	2515	2540	2512	2524	2512	2525	2521
12.0	2096	2139	2221	2231	2259	2225	2238	2225	2244	2241
15.0	1753	1800	1886	1894	1913	1870	1888	1877	1901	1894
18.0	1380	1417	1495	1501	1526	1478	1499	1489	1509	1496
21.0	993.1	1024	1089	1090	1110	1076	1090	1081	1105	1090
24.0	660.8	682.9	721.3	720.4	737.5	716.2	727.5	715.7	735.5	725.2
27.0	407.6	420.3	435.8	428.8	439.2	434.0	440.7	433.1	441.4	433.5
30.0	207.6	215.4	222.2	212.1	216.9	217.0	224.9	214.3	220.3	216.0
33.0	92.61	93.17	95.34	91.31	94.03	94.59	97.33	92.91	95.01	93.16
36.0	40.70	40.54	41.15	39.89	41.96	42.18	42.54	41.17	42.60	40.94
39.0	24.23	24.38	24.71	24.40	24.72	24.55	24.80	24.15	24.60	23.90
42.0	17.46	17.51	17.95	18.02	17.95	17.49	17.68	17.43	17.54	17.29
45.0	14.57	14.56	15.01	14.85	14.85	14.69	14.71	14.48	14.53	14.28
48.0	12.26	12.16	12.49	12.33	12.30	12.26	12.41	12.18	12.21	12.12
51.0	9.333	9.371	9.542	9.465	9.524	9.494	9.889	9.740	9.788	9.738
54.0	7.136	7.105	7.278	7.159	7.264	7.223	7.543	7.433	7.527	7.558
57.0	5.972	5.980	6.119	6.070	6.005	5.917	6.061	6.044	6.167	6.230
60.0	5.089	5.066	5.268	5.228	5.150	5.105	5.170	5.208	5.310	5.304
63.0	4.313	4.281	4.459	4.439	4.365	4.316	4.389	4.471	4.499	4.452
66.0	3.604	3.564	3.635	3.577	3.596	3.566	3.697	3.723	3.741	3.684
69.0	2.880	2.827	2.857	2.827	2.888	2.870	2.958	2.965	3.008	3.006
72.0	2.065	2.090	2.175	2.128	2.212	2.187	2.221	2.213	2.280	2.344
75.0	1.289	1.294	1.326	1.322	1.354	1.350	1.383	1.386	1.411	1.422
78.0	0.9545	0.9459	0.9739	0.9805	0.9980	1.009	1.031	1.044	1.061	1.070
81.0	0.6482	0.6464	0.6570	0.6655	0.6898	0.6939	0.7226	0.7245	0.7467	0.7551
84.0	0.3749	0.3687	0.3772	0.3813	0.4034	0.4097	0.4384	0.4425	0.4712	0.4754
87.0	0.1365	0.1132	0.1152	0.1406	0.1414	0.1691	0.1763	0.1997	0.2134	0.2303
90.0	0.0503	0.0503	0.0350	0.0372	0.0328	0.0350	0.0350	0.0394	0.0350	0.0481
G/C	300.0	315.0	330.0	345.0						
0.0	2942	2942	2941	2941						
3.0	2899	2894	2891	2884						
6.0	2732	2714	2713	2693						
9.0	2520	2492	2482	2454						
12.0	2242	2216	2206	2170						
15.0	1902	1871	1873	1844						
18.0	1507	1487	1496	1469						
21.0	1107	1092	1107	1087						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: Meng Yongjian

Test Date: 2017-06-06

γ Range: 0 - 90DEG

γ Interval: 1.0DEG

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

Humidity: 52%

Test Distance: 5.850m [K=1.0000]

Remarks:

## Photometric Data Table [cd]

24.0	738.3	729.4	743.6	734.4
27.0	446.1	439.3	453.3	449.6
30.0	224.9	221.6	231.1	233.7
33.0	97.82	98.62	103.7	105.6
36.0	42.88	43.66	46.07	46.51
39.0	24.47	24.43	25.17	25.54
42.0	17.34	17.28	17.50	17.60
45.0	14.37	14.32	14.39	14.49
48.0	12.32	12.23	12.38	12.36
51.0	9.997	9.945	10.19	10.13
54.0	7.660	7.624	7.756	7.729
57.0	6.213	6.193	6.248	6.252
60.0	5.323	5.350	5.351	5.328
63.0	4.514	4.542	4.518	4.498
66.0	3.752	3.748	3.760	3.732
69.0	3.049	3.026	3.059	3.030
72.0	2.341	2.357	2.392	2.383
75.0	1.455	1.473	1.527	1.558
78.0	1.099	1.114	1.138	1.142
81.0	0.7860	0.7967	0.8276	0.8295
84.0	0.5062	0.5169	0.5433	0.5431
87.0	0.2419	0.2653	0.2790	0.2915
90.0	0.0481	0.0547	0.0547	0.0634

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
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γ Range: 0 - 90DEG  
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Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks: