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LED Downlight FUSION Series LE-FF5-11W-940-40D  
Specular

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Light Output Ratio:	100.0%	
Luminaire Power:	12.42 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: Meng Yongjian  
Test Date: 2017-06-05

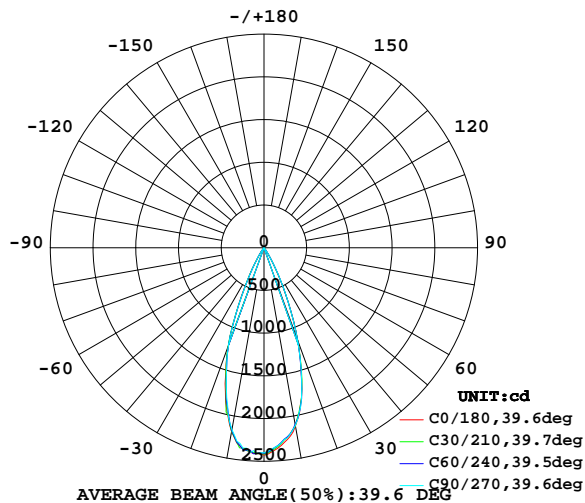
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

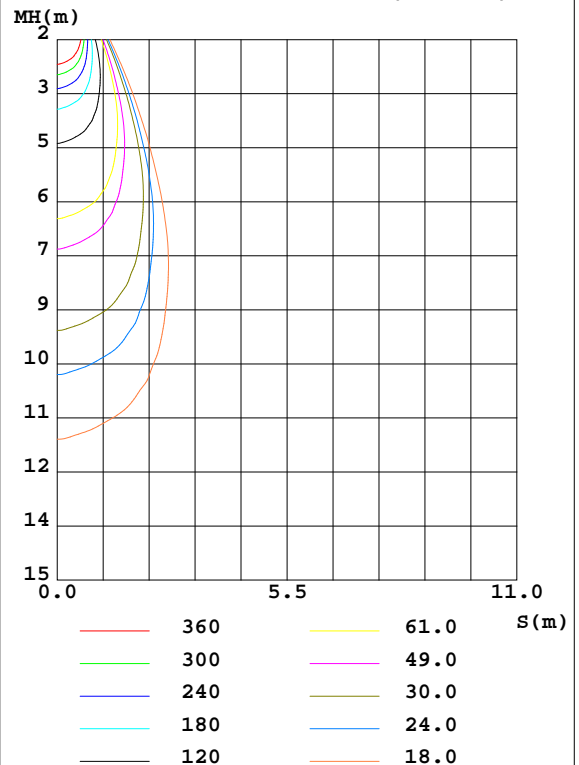
Test:U:220.7V I:0.0630A P:12.42W PF:0.8936 Lamp Flux:1018.78x1 lm		
NAME: FF5-11W-940-40D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 82.04 lm/W			
MODEL	CREE-4000K	Imax(cd)	2426	S/MH(C0/180)	0.62
NOMINAL POWER(W)	13.0	LOR(%)	100.0	S/MH(C90/270)	0.62
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1018.8	$\eta$ UP,DN(C0-180)	0.0,49.7
NOMINAL FLUX(lm)	1018.78	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,50.3
LAMPS INSIDE	1	$\eta$ up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	$\eta$ 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  
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 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-06-05

$\gamma$  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:

## 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	2120	2116	2113	2125	2188	2161	2163	2130	0- 10	216.8	216.8	21.3,21.3
20	1160	1166	1149	1173	1221	1225	1211	1164	10- 20	465.3	682.1	67,67
30	215.4	229.5	230.3	231.6	235.5	218.0	222.2	215.2	20- 30	283.9	966.0	94.8,94.8
40	13.79	13.36	14.24	15.73	17.94	17.27	17.39	15.29	30- 40	49.09	1015	99.6,99.6
50	0.5644	0.5464	0.5841	0.6447	0.7190	0.7197	0.6796	0.6037	40- 50	2.708	1018	99.9,99.9
60	0.3565	0.3540	0.3675	0.3977	0.4370	0.4418	0.4261	0.3872	50- 60	0.4542	1018	100,100
70	0.1816	0.1770	0.2013	0.2032	0.2119	0.2232	0.2206	0.2013	60- 70	0.2881	1019	100,100
80	0.0745	0.0699	0.0898	0.0765	0.0743	0.0963	0.0808	0.0875	70- 80	0.1452	1019	100,100
90	0.0437	0.0437	0.0394	0.0394	0.0328	0.0284	0.0262	0.0306	80- 90	0.0580	1019	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	84	98
80	62	75
75	70	79
70	77	85
65	89	95
60	104	107
55	116	119
50	128	132
45	240	251

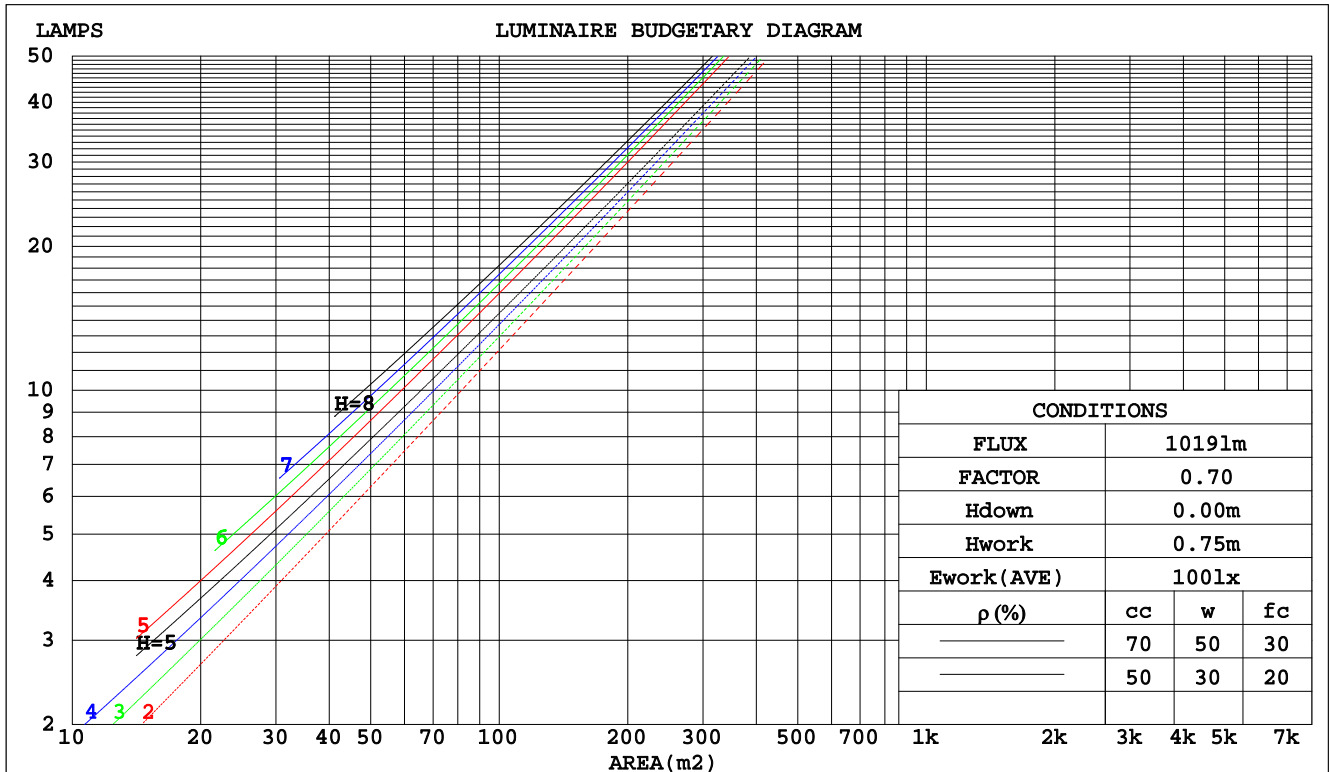
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-06-05

$\gamma$  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:220.7V I:0.0630A P:12.42W PF:0.8936 Lamp Flux:1018.78x1 lm		
NAME: FF5-11W-940-40D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*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															



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:52%  
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 Remarks:

## WEC AND CCEC

Test:U:220.7V I:0.0630A P:12.42W PF:0.8936 Lamp Flux:1018.78x1 lm		
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SPEC.:4000K	DIM.: L153mm*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	.148	.084	.027	.141	.081	.026	.129	.074	.024	.118	.068	.022	.107	.062	.020	
2.0	.139	.076	.023	.133	.073	.023	.123	.068	.021	.113	.064	.020	.104	.059	.019	
3.0	.130	.069	.021	.126	.067	.020	.117	.063	.019	.109	.060	.018	.102	.056	.017	
4.0	.123	.064	.019	.119	.062	.018	.112	.059	.018	.105	.056	.017	.099	.054	.016	
5.0	.117	.059	.017	.113	.058	.017	.107	.056	.016	.101	.053	.016	.096	.051	.015	
6.0	.111	.056	.016	.108	.055	.016	.103	.053	.015	.098	.051	.015	.093	.049	.015	
7.0	.106	.053	.015	.104	.052	.015	.099	.050	.014	.094	.048	.014	.090	.047	.014	
8.0	.102	.050	.014	.100	.049	.014	.095	.048	.014	.091	.046	.013	.088	.045	.013	
9.0	.098	.047	.013	.096	.047	.013	.092	.045	.013	.088	.044	.013	.085	.043	.012	
10.0	.094	.045	.013	.092	.045	.012	.089	.044	.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	.088	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.117	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.138	.113	.094	.118	.098	.082	.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	.092	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.100	.068	.046	.086	.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  
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Operators:Meng Yongjian  
Test Date:2017-06-05

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:220.7V I:0.0630A P:12.42W PF:0.8936 Lamp Flux:1018.78x1 lm										
NAME: FF5-11W-940-40D Specular					TYPE:Downlight			SERIAL No.:		
SPEC.:4000K					DIM.: L153mm*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	6.4	7.1	6.6	7.3	7.4	6.8	7.6	7.1	7.7	7.9
3H	6.2	6.9	6.5	7.1	7.3	6.7	7.4	6.9	7.6	7.8
4H	6.2	6.8	6.4	7.0	7.2	6.6	7.3	6.9	7.5	7.7
6H	6.1	6.7	6.4	6.9	7.2	6.5	7.1	6.8	7.4	7.6
8H	6.0	6.6	6.3	6.9	7.1	6.5	7.1	6.8	7.3	7.6
12H	6.0	6.5	6.3	6.8	7.1	6.4	7.0	6.8	7.3	7.5
4H 2H	6.2	6.8	6.4	7.0	7.2	6.6	7.3	6.9	7.5	7.7
3H	6.0	6.5	6.3	6.8	7.1	6.4	7.0	6.8	7.3	7.5
4H	5.9	6.4	6.2	6.7	7.0	6.3	6.9	6.7	7.2	7.5
6H	5.8	6.2	6.2	6.6	6.9	6.3	6.7	6.6	7.0	7.4
8H	5.7	6.2	6.1	6.5	6.9	6.2	6.6	6.6	7.0	7.3
12H	5.7	6.1	6.1	6.4	6.8	6.1	6.5	6.6	6.9	7.3
8H 4H	5.7	6.2	6.1	6.5	6.9	6.2	6.6	6.6	7.0	7.3
6H	5.6	6.0	6.1	6.4	6.8	6.1	6.4	6.5	6.8	7.2
8H	5.6	5.9	6.0	6.3	6.7	6.0	6.3	6.5	6.8	7.2
12H	5.5	5.8	6.0	6.2	6.7	6.0	6.2	6.4	6.7	7.1
12H 4H	5.7	6.1	6.1	6.4	6.8	6.1	6.5	6.5	6.9	7.3
6H	5.6	5.9	6.0	6.3	6.7	6.0	6.3	6.5	6.8	7.2
8H	5.5	5.8	6.0	6.2	6.7	6.0	6.2	6.4	6.7	7.1
Variations with the observer position at spacings:										
S = 1.0H	+ 4.5 / -13.6					+ 4.7 / -13.9				
1.5H	+ 7.3 / -13.3					+ 7.5 / -13.6				
2.0H	+ 2.5 / - 0.7					+ 2.4 / - 0.6				

CIE Pub.117 Corrected 1019 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.1)

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:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:220.7V I:0.0630A P:12.42W PF:0.8936 Lamp Flux:1018.78x1 lm		
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SPEC.:4000K	DIM.: L153mm*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) $k(RI) \times RCR = 5$									
$k = 0.60$	91	86	82	91	86	82	90	85	82	79
0.80	98	93	90	98	93	90	97	92	89	86
1.00	102	97	94	101	97	94	100	96	93	89
1.25	105	101	98	104	100	97	103	99	97	93
1.50	108	104	101	107	103	100	105	101	99	95
2.00	110	106	103	109	105	103	106	103	101	96
2.50	111	108	105	110	107	104	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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 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
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 Remarks:

## ISOCANDELA DIAGRAM

Test:U:220.7V I:0.0630A P:12.42W PF:0.8936 Lamp Flux:1018.78x1 lm		
NAME: FF5-11W-940-40D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.:		

Conical surface Flux(90deg):

1017.5 lm

%lum = 99.9%

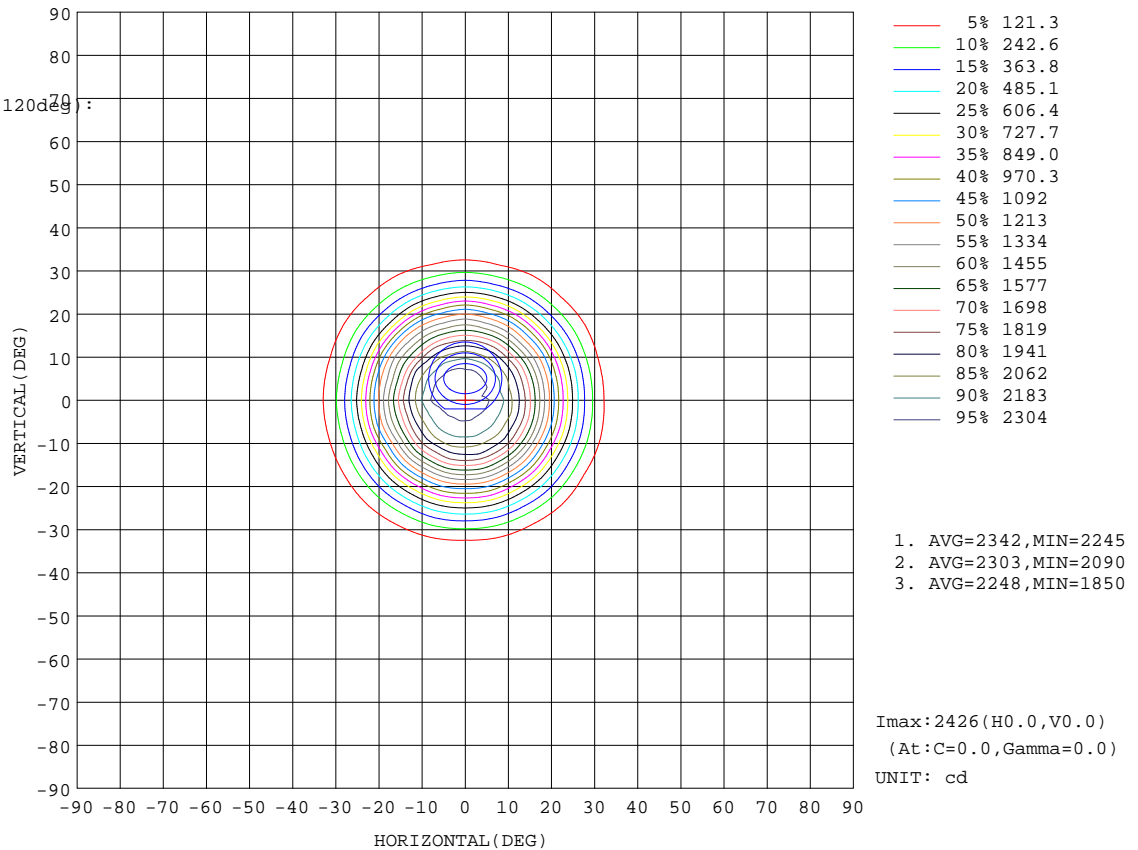
%lamp = 99.9%

Conical surface Flux(120deg):

1018.3 lm

%lum = 100.0%

%lamp = 100.0%



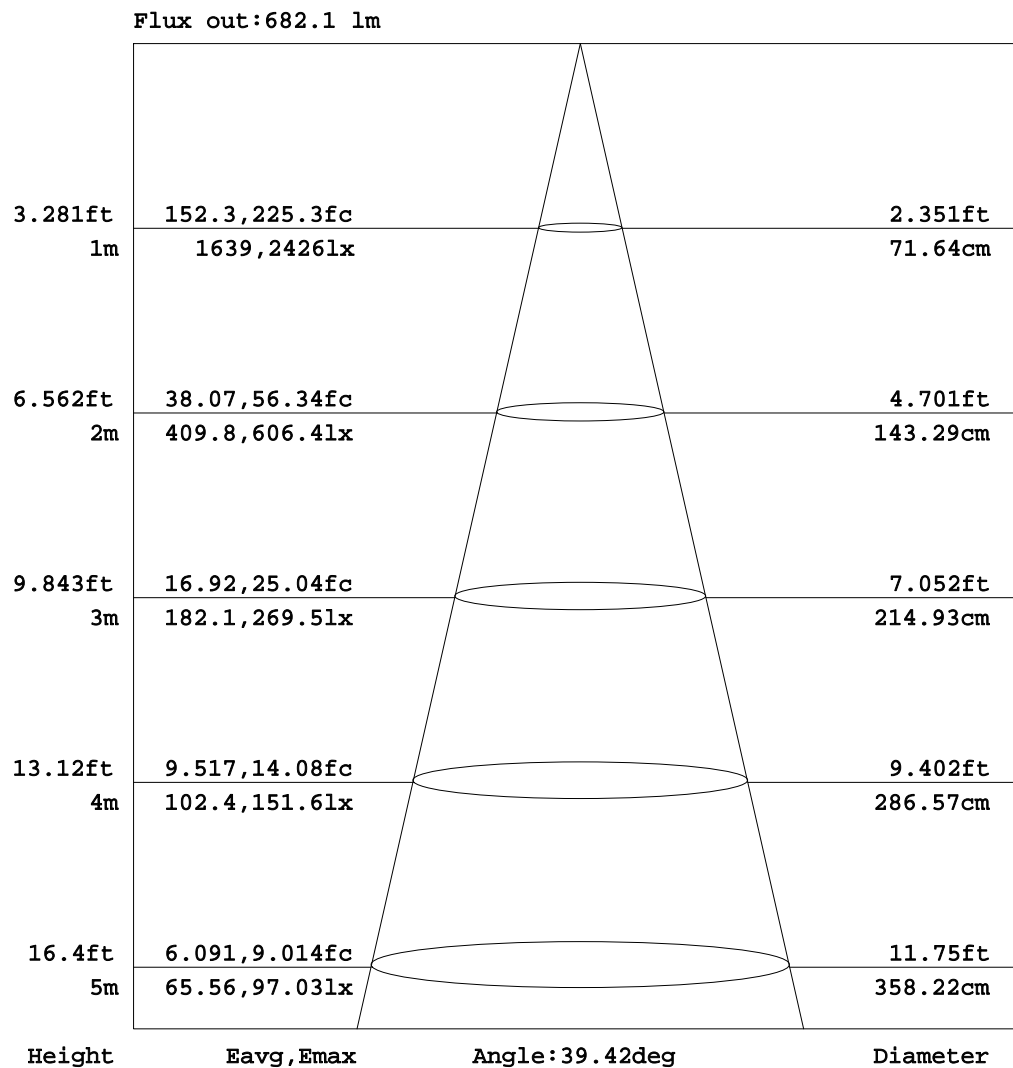
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## AAI Figure

Test:U:220.7V I:0.0630A P:12.42W PF:0.8936 Lamp Flux:1018.78x1 lm		
NAME: FF5-11W-940-40D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
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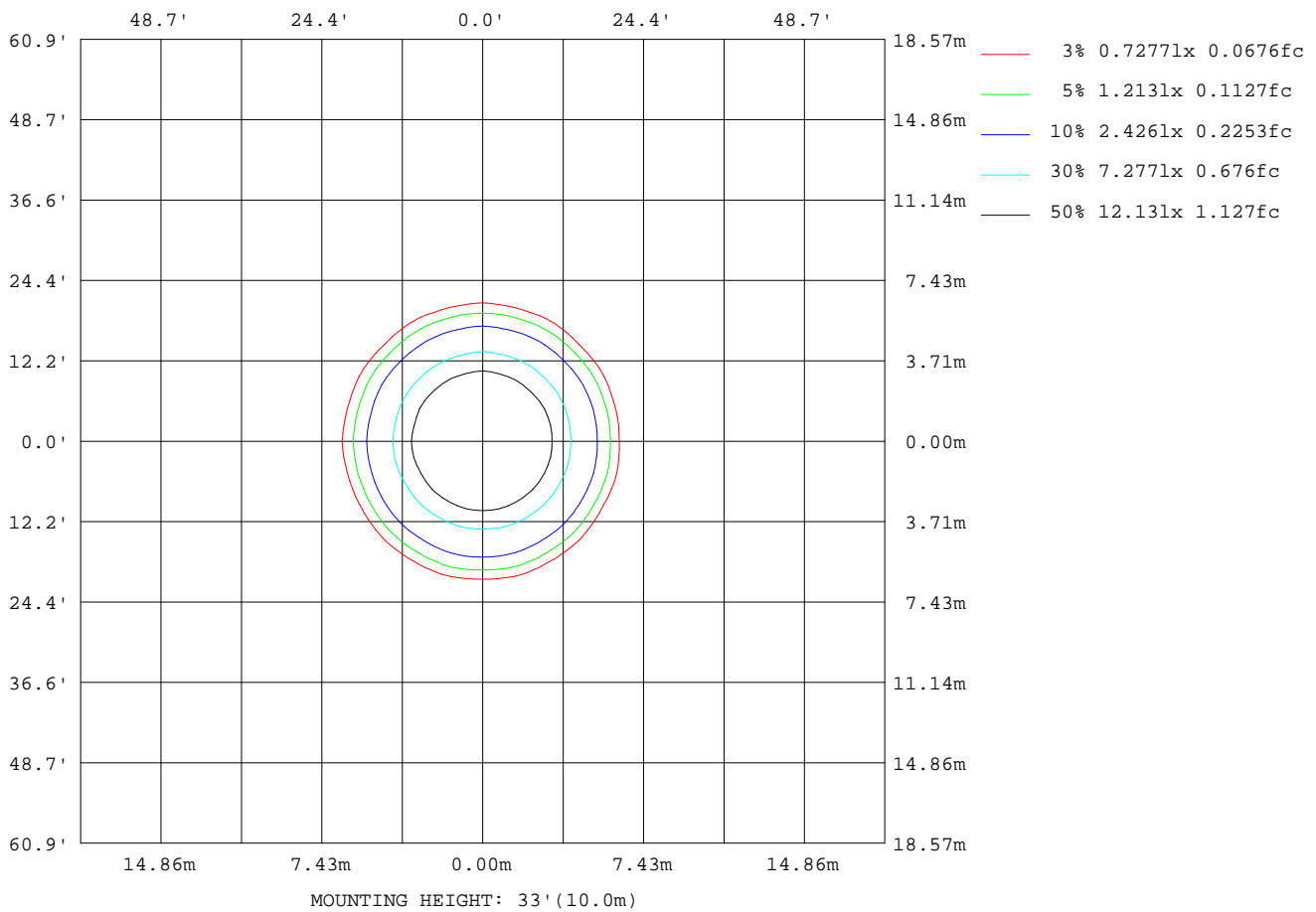
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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## ISOLUX DIAGRAM

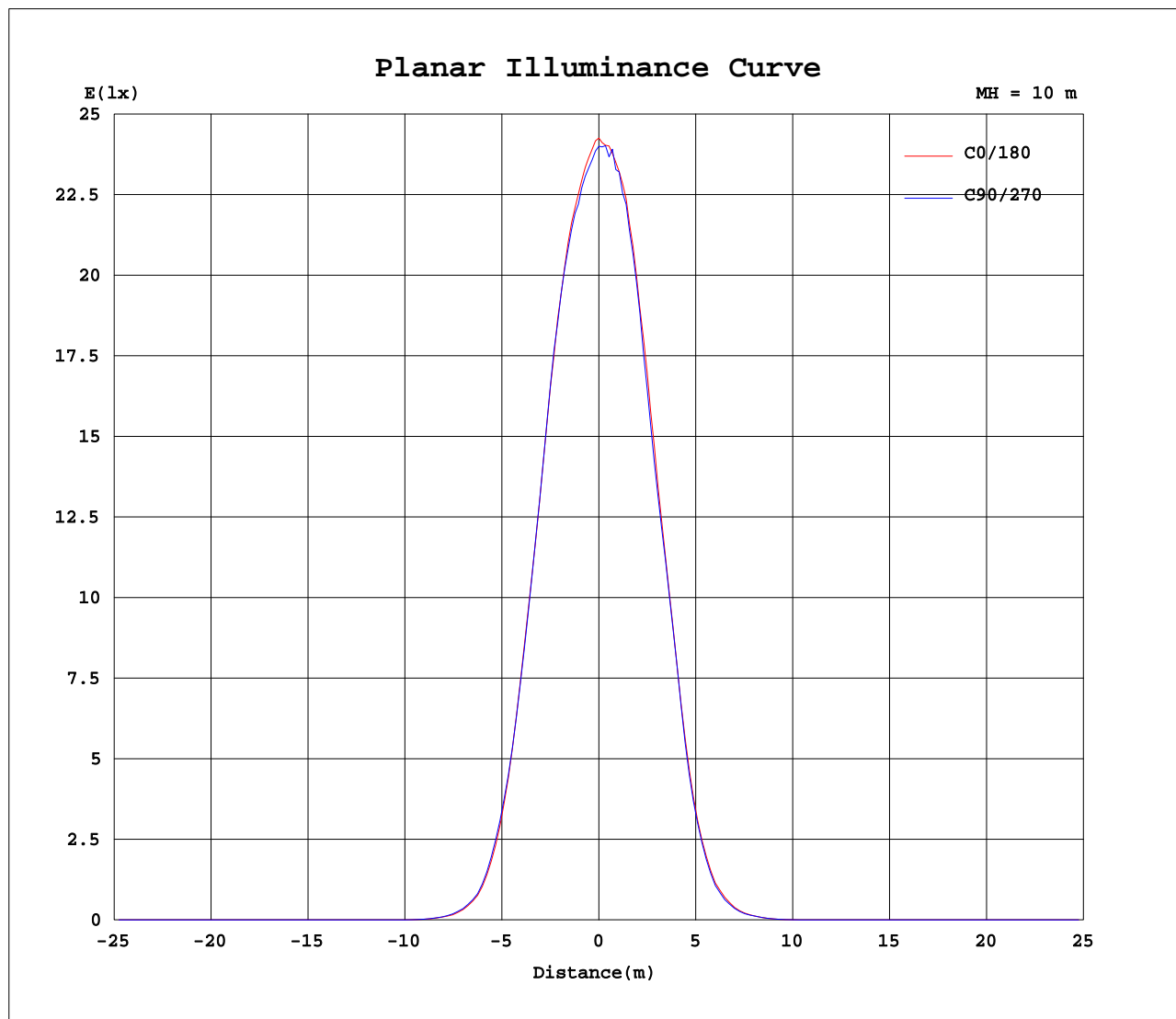
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 Remarks:

## Planar Illuminance Curve



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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:220.7V I:0.0630A P:12.42W PF:0.8936 Lamp Flux:1018.78x1 lm		
NAME: FF5-11W-940-40D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.:		

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
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γ Range: 0 - 90DEG
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Test:U:220.7V I:0.0630A P:12.42W PF:0.8936 Lamp Flux:1018.78x1 lm		
NAME: FF5-11W-940-40D Specular	TYPE:Downlight	SERIAL No.:
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Table--2

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-05

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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	2426	2420	2415	2410	2405	2403	2400	2397	2395	2391
3.0	2373	2369	2359	2350	2344	2353	2342	2345	2354	2350
6.0	2290	2280	2263	2278	2254	2267	2258	2271	2273	2294
9.0	2181	2165	2157	2163	2156	2169	2161	2170	2173	2177
12.0	1992	1992	1971	1985	1984	1992	1979	1991	1974	1992
15.0	1708	1724	1715	1725	1713	1723	1713	1726	1711	1732
18.0	1376	1384	1382	1383	1374	1384	1381	1380	1370	1398
21.0	1049	1057	1038	1054	1038	1054	1036	1055	1041	1067
24.0	700.0	710.8	696.0	709.5	698.2	710.6	703.7	712.5	701.3	713.7
27.0	413.1	428.1	423.9	438.4	428.4	442.5	435.2	443.1	429.2	437.3
30.0	215.4	222.9	220.3	229.5	225.6	235.0	230.3	237.7	228.1	231.6
33.0	100.4	101.8	100.2	103.9	106.2	109.0	107.0	110.6	110.6	111.8
36.0	44.26	46.18	44.63	47.05	48.54	49.04	50.71	50.35	51.48	50.65
39.0	18.87	19.15	18.36	19.47	19.53	20.73	20.20	21.68	21.40	22.64
42.0	5.577	5.580	5.486	5.617	5.584	6.024	6.100	6.654	6.671	7.129
45.0	1.171	1.231	1.188	1.275	1.181	1.260	1.224	1.336	1.299	1.473
48.0	0.6059	0.5945	0.6015	0.5901	0.5994	0.6142	0.6278	0.6492	0.6759	0.6994
51.0	0.5425	0.5355	0.5338	0.5267	0.5360	0.5442	0.5622	0.5792	0.5950	0.6163
54.0	0.4790	0.4765	0.4638	0.4699	0.4725	0.4787	0.4900	0.5049	0.5228	0.5420
57.0	0.4156	0.4131	0.4047	0.4109	0.4134	0.4218	0.4288	0.4393	0.4529	0.4677
60.0	0.3565	0.3562	0.3435	0.3540	0.3544	0.3628	0.3675	0.3781	0.3872	0.3977
63.0	0.2954	0.2906	0.2823	0.2972	0.2998	0.3037	0.3107	0.3190	0.3260	0.3321
66.0	0.2407	0.2382	0.2363	0.2426	0.2473	0.2578	0.2604	0.2644	0.2735	0.2753
69.0	0.1948	0.1923	0.1926	0.1966	0.2057	0.2076	0.2166	0.2163	0.2232	0.2207
72.0	0.1575	0.1464	0.1532	0.1530	0.1685	0.1639	0.1773	0.1704	0.1816	0.1704
75.0	0.1247	0.1071	0.1204	0.1180	0.1357	0.1311	0.1401	0.1311	0.1444	0.1289
78.0	0.0941	0.0808	0.0985	0.0896	0.1072	0.0961	0.1116	0.0961	0.1138	0.1005
81.0	0.0678	0.0568	0.0766	0.0634	0.0809	0.0655	0.0832	0.0634	0.0875	0.0677
84.0	0.0526	0.0437	0.0591	0.0437	0.0635	0.0459	0.0635	0.0481	0.0700	0.0524
87.0	0.0438	0.0437	0.0460	0.0437	0.0504	0.0415	0.0503	0.0394	0.0547	0.0394
90.0	0.0437	0.0437	0.0437	0.0437	0.0437	0.0415	0.0394	0.0394	0.0415	0.0394
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	2391	2352	2420	2415	2410	2405	2403	2400	2397	2391
3.0	2353	2347	2411	2402	2397	2401	2414	2387	2378	2368
6.0	2295	2308	2360	2360	2360	2363	2376	2351	2359	2337
9.0	2170	2193	2241	2247	2239	2236	2235	2217	2220	2209
12.0	1983	2004	2026	2026	2012	1998	1998	1990	2011	1985
15.0	1707	1710	1750	1721	1722	1695	1703	1702	1703	1702
18.0	1375	1415	1437	1400	1431	1397	1406	1387	1411	1381
21.0	1044	1107	1111	1106	1120	1105	1103	1080	1103	1070
24.0	695.2	719.5	739.2	715.4	724.3	705.3	720.2	703.3	721.2	709.2
27.0	428.0	426.5	436.1	422.1	430.6	417.8	419.6	411.9	424.1	408.5
30.0	223.3	223.0	235.5	222.8	228.8	218.0	221.2	215.0	222.2	213.1
33.0	111.7	111.6	119.5	116.2	115.5	112.0	110.4	106.5	107.0	104.9
36.0	51.33	50.10	54.32	53.70	52.20	51.51	50.43	50.60	49.48	49.42
39.0	21.85	22.58	25.16	24.17	24.96	24.04	25.22	23.85	24.41	23.13
42.0	7.053	7.410	8.250	7.926	8.249	7.834	8.241	7.754	7.981	7.470
45.0	1.463	1.534	1.828	1.708	1.833	1.705	1.724	1.542	1.587	1.454
48.0	0.7284	0.7322	0.7738	0.7787	0.7889	0.7742	0.7628	0.7458	0.7321	0.7064
51.0	0.6388	0.6491	0.6884	0.6956	0.6949	0.6890	0.6774	0.6628	0.6512	0.6256
54.0	0.5535	0.5704	0.6010	0.6081	0.6032	0.6015	0.5901	0.5797	0.5682	0.5490
57.0	0.4726	0.4917	0.5178	0.5206	0.5179	0.5184	0.5157	0.5052	0.4939	0.4812
60.0	0.3960	0.4130	0.4370	0.4331	0.4391	0.4418	0.4435	0.4287	0.4261	0.4090
63.0	0.3326	0.3431	0.3627	0.3566	0.3605	0.3654	0.3692	0.3610	0.3561	0.3435
66.0	0.2735	0.2797	0.2971	0.2932	0.2975	0.2975	0.3059	0.2997	0.2950	0.2822
69.0	0.2210	0.2207	0.2337	0.2363	0.2316	0.2406	0.2447	0.2450	0.2360	0.2297
72.0	0.1816	0.1704	0.1769	0.1882	0.1813	0.1925	0.1944	0.1991	0.1857	0.1881
75.0	0.1466	0.1333	0.1376	0.1466	0.1377	0.1532	0.1485	0.1554	0.1398	0.1488
78.0	0.1160	0.0961	0.1026	0.1160	0.1048	0.1181	0.1113	0.1225	0.1048	0.1138
81.0	0.0875	0.0677	0.0677	0.0832	0.0677	0.0854	0.0743	0.0919	0.0721	0.0853
84.0	0.0700	0.0481	0.0393	0.0656	0.0502	0.0700	0.0524	0.0700	0.0480	0.0613
87.0	0.0591	0.0437	0.0306	0.0482	0.0328	0.0460	0.0306	0.0503	0.0306	0.0416
90.0	0.0437	0.0437	0.0328	0.0306	0.0306	0.0284	0.0284	0.0284	0.0262	0.0284
G/C	300.0	315.0	330.0	345.0						
0.0	2395	2391	2391	2352						
3.0	2378	2382	2374	2317						
6.0	2328	2309	2301	2255						
9.0	2208	2200	2190	2142						
12.0	2004	1981	1980	1970						
15.0	1714	1698	1718	1708						
18.0	1383	1368	1389	1379						
21.0	1078	1061	1079	1058						

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-06-05

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	718.0	705.7	714.4	707.6
27.0	419.0	412.5	419.3	420.1
30.0	220.1	215.2	221.5	215.9
33.0	105.8	103.3	101.8	98.51
36.0	49.63	48.15	47.85	44.34
39.0	23.43	21.63	21.36	19.30
42.0	7.498	6.894	6.756	5.810
45.0	1.511	1.403	1.443	1.225
48.0	0.6797	0.6561	0.6338	0.5949
51.0	0.6075	0.5796	0.5660	0.5403
54.0	0.5289	0.5140	0.4961	0.4790
57.0	0.4655	0.4506	0.4305	0.4156
60.0	0.4020	0.3872	0.3649	0.3565
63.0	0.3386	0.3237	0.3015	0.2932
66.0	0.2753	0.2647	0.2469	0.2428
69.0	0.2206	0.2166	0.1966	0.1947
72.0	0.1726	0.1750	0.1551	0.1597
75.0	0.1289	0.1357	0.1158	0.1247
78.0	0.0939	0.1051	0.0895	0.0985
81.0	0.0634	0.0831	0.0633	0.0744
84.0	0.0393	0.0634	0.0415	0.0569
87.0	0.0284	0.0438	0.0284	0.0437
90.0	0.0262	0.0306	0.0262	0.0306

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-05

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: