

LED Downlight FUSION Series FF6-FS2-17W-840-40D Specular



Light Output Ratio:	100.0%	
Luminaire Power:	19.65 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.65	fine grid method.

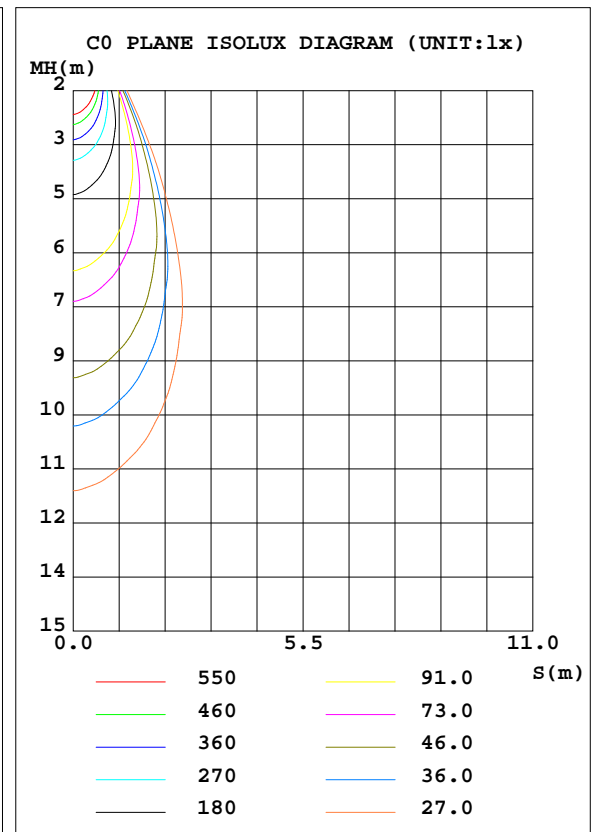
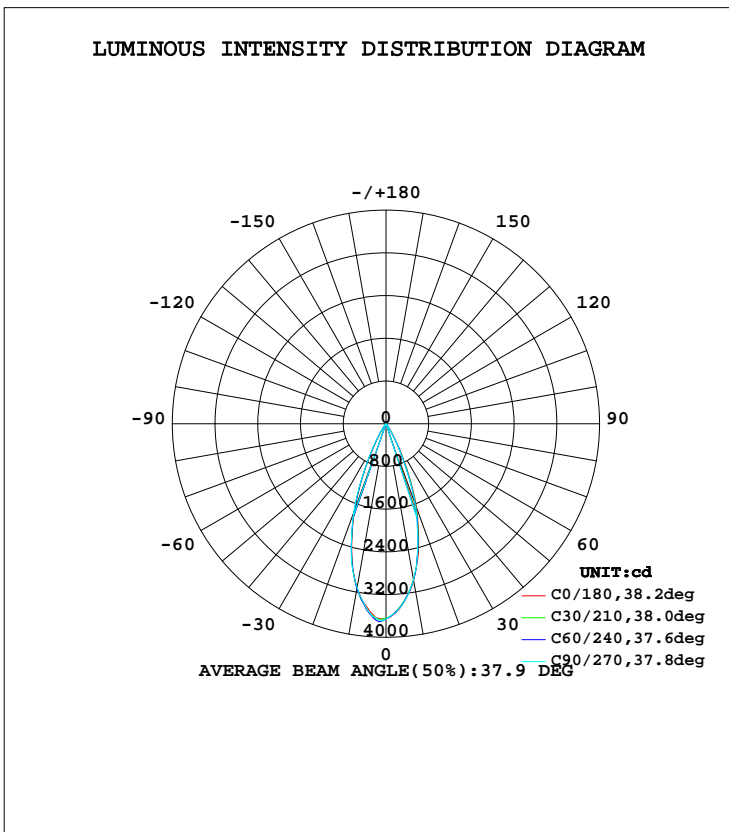
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-11

$\gamma$  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:0.0935A P:19.65W PF:0.9531 Lamp Flux:1505.26x1 lm		
NAME: FF6-FS2-17W-840-40D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L290mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 76.58 lm/W
MODEL	CREE-4000K	I <sub>max</sub> (cd)	3711	S/MH(C0/180)	0.61	
NOMINAL POWER(W)	20.0	LOR(%)	100.0	S/MH(C90/270)	0.62	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1505.3	η UP, DN(C0-180)	0.0, 48.4	
NOMINAL FLUX(lm)	1505.26	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 51.6	
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	



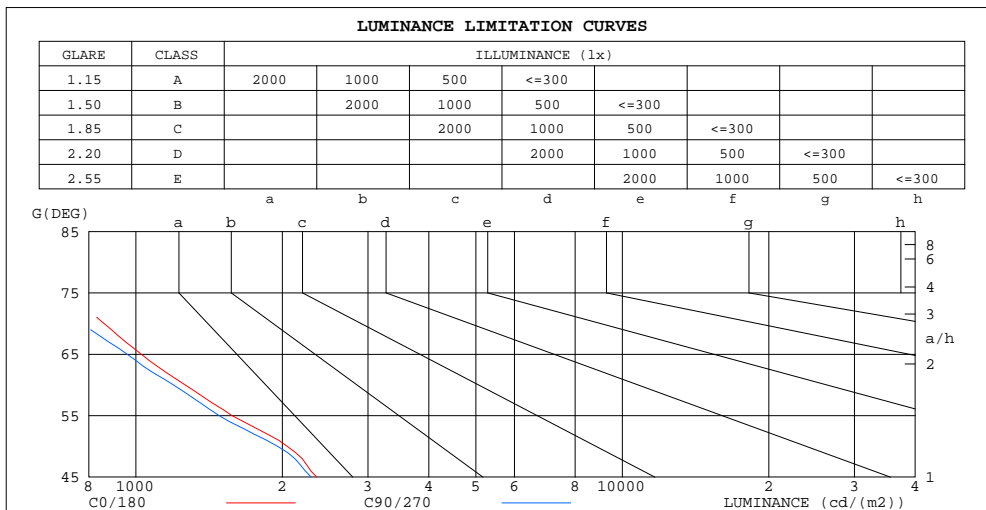
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 Remarks:

**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	2983	2967	2969	3003	3114	3121	3113	3056	0- 10	317.8	317.8	21.1,21.1
20	1679	1660	1592	1636	1718	1721	1768	1754	10- 20	657.8	975.5	64.8,64.8
30	350.5	331.4	299.3	297.3	330.1	333.4	372.8	392.0	20- 30	414.4	1390	92.3,92.3
40	37.09	36.39	34.59	34.34	36.84	38.16	41.25	41.69	30- 40	77.99	1468	97.5,97.5
50	17.18	16.82	16.41	17.11	17.34	17.38	17.52	16.89	40- 50	18.12	1486	98.7,98.7
60	8.238	7.855	7.799	7.846	8.373	7.972	8.233	8.241	50- 60	10.58	1497	99.4,99.4
70	3.843	3.614	3.467	3.640	3.873	3.927	4.188	3.906	60- 70	5.613	1502	99.8,99.8
80	1.160	1.149	1.127	1.173	1.205	1.269	1.312	1.250	70- 80	2.385	1505	100,100
90	0.0809	0.0809	0.0831	0.0875	0.0547	0.0634	0.0612	0.0612	80- 90	0.6188	1505	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	430	420
80	512	498
75	580	554
70	861	777
65	1026	960
60	1263	1195
55	1577	1484
50	2048	1957
45	2355	2293

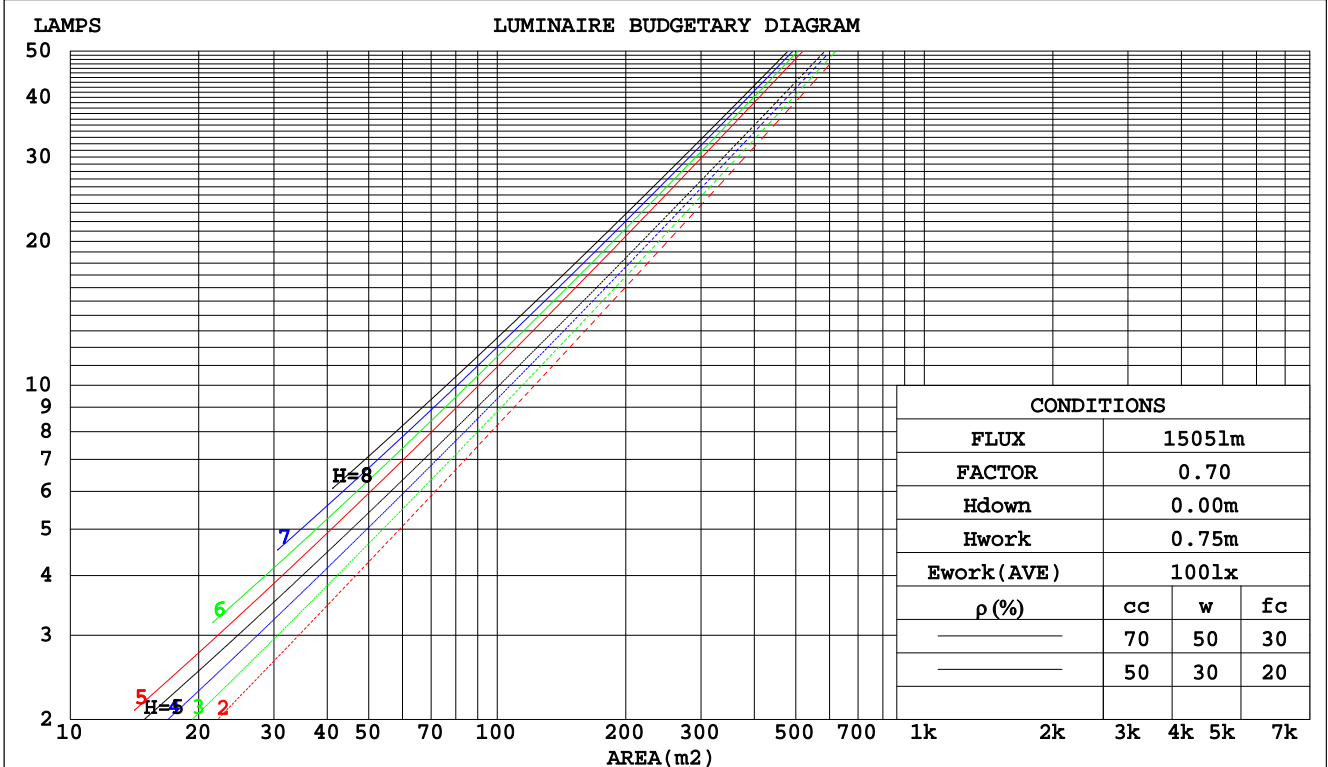
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Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

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pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc																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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97	.95
2.0	1.06	1.03	.00	1.04	1.01	.99	1.01	.99	.96	.98	.96	.94	.95	.94	.92	.91
3.0	1.00	.96	.93	.99	.95	.92	.97	.93	.91	.94	.92	.90	.92	.90	.88	.87
4.0	.96	.91	.88	.95	.90	.87	.92	.89	.86	.91	.88	.85	.89	.86	.84	.83
5.0	.91	.86	.83	.90	.86	.83	.89	.85	.82	.87	.84	.81	.86	.83	.81	.79
6.0	.87	.82	.79	.86	.82	.79	.85	.81	.78	.84	.80	.78	.83	.80	.77	.76
7.0	.84	.79	.75	.83	.78	.75	.82	.78	.75	.81	.77	.74	.80	.76	.74	.73
8.0	.80	.75	.72	.80	.75	.72	.79	.75	.72	.78	.74	.71	.77	.74	.71	.70
9.0	.77	.72	.69	.77	.72	.69	.76	.72	.69	.75	.71	.69	.74	.71	.68	.67
10.0	.74	.70	.66	.74	.69	.66	.73	.69	.66	.72	.69	.66	.72	.68	.66	.65



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WEC AND CCEC

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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	.153	.087	.028	.146	.083	.026	.134	.077	.024	.122	.071	.023	.112	.065	.021	
2.0	.143	.079	.024	.138	.076	.023	.127	.071	.022	.118	.066	.021	.109	.062	.019	
3.0	.135	.072	.021	.130	.070	.021	.121	.066	.020	.113	.062	.019	.106	.059	.018	
4.0	.127	.066	.019	.123	.064	.019	.116	.061	.018	.109	.058	.018	.103	.056	.017	
5.0	.121	.061	.018	.117	.060	.018	.111	.058	.017	.105	.055	.016	.099	.053	.016	
6.0	.115	.057	.016	.112	.056	.016	.106	.054	.016	.101	.052	.015	.096	.051	.015	
7.0	.109	.054	.015	.107	.053	.015	.102	.052	.015	.097	.050	.015	.093	.048	.014	
8.0	.105	.051	.014	.102	.050	.014	.098	.049	.014	.094	.048	.014	.090	.046	.013	
9.0	.100	.048	.014	.098	.048	.013	.094	.047	.013	.091	.046	.013	.087	.044	.013	
10.0	.096	.046	.013	.094	.046	.013	.091	.045	.013	.088	.044	.012	.085	.043	.012	

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	.169	.158	.147	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.116	.131	.114	.100	.089	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.138	.113	.093	.119	.098	.081	.081	.068	.057	.047	.040	.033	.015	.013	.011	
4.0	.127	.098	.076	.109	.085	.066	.075	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.117	.086	.064	.100	.075	.055	.069	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.109	.077	.053	.093	.066	.046	.064	.046	.033	.037	.027	.020	.012	.009	.006	
7.0	.102	.069	.045	.087	.059	.040	.060	.042	.028	.035	.025	.017	.011	.008	.006	
8.0	.095	.062	.039	.082	.054	.034	.057	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.090	.057	.034	.078	.049	.030	.054	.035	.021	.031	.020	.013	.010	.007	.004	
10.0	.085	.052	.030	.074	.045	.026	.051	.032	.018	.030	.019	.011	.010	.006	.004	

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 Humidity:52%  
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 Remarks:

UGR(Unified Glare Rating) Table

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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	7.8	8.5	8.0	8.7	8.8	7.2	7.9	7.4	8.1	8.2
3H	7.9	8.6	8.1	8.8	9.0	7.3	8.0	7.5	8.2	8.4
4H	7.9	8.6	8.2	8.8	9.0	7.3	8.0	7.6	8.2	8.4
6H	7.9	8.5	8.2	8.7	9.0	7.3	7.9	7.6	8.2	8.4
8H	7.9	8.5	8.1	8.7	9.0	7.3	7.9	7.6	8.1	8.4
12H	7.8	8.4	8.1	8.7	8.9	7.3	7.8	7.6	8.1	8.4
4H 2H	7.7	8.4	8.0	8.6	8.8	7.1	7.8	7.4	8.0	8.2
3H	7.9	8.5	8.2	8.7	9.0	7.3	7.9	7.6	8.2	8.5
4H	7.9	8.4	8.3	8.7	9.0	7.4	7.9	7.7	8.2	8.5
6H	7.9	8.4	8.3	8.7	9.1	7.4	7.9	7.8	8.2	8.5
8H	7.9	8.3	8.3	8.7	9.1	7.4	7.8	7.8	8.2	8.5
12H	7.9	8.3	8.3	8.6	9.0	7.4	7.8	7.8	8.1	8.5
8H 4H	7.8	8.3	8.2	8.6	9.0	7.3	7.7	7.7	8.1	8.5
6H	7.9	8.2	8.3	8.6	9.0	7.3	7.7	7.8	8.1	8.5
8H	7.9	8.2	8.3	8.6	9.0	7.4	7.7	7.8	8.1	8.5
12H	7.9	8.1	8.3	8.6	9.0	7.4	7.6	7.8	8.1	8.5
12H 4H	7.8	8.2	8.2	8.6	8.9	7.3	7.7	7.7	8.0	8.4
6H	7.8	8.1	8.3	8.6	9.0	7.3	7.6	7.8	8.0	8.5
8H	7.8	8.1	8.3	8.5	9.0	7.3	7.6	7.8	8.0	8.5
Variations with the observer position at spacings:										
S = 1.0H	+ 2.0 / - 1.9					+ 1.8 / - 1.8				
1.5H	+ 3.3 / - 1.4					+ 2.8 / - 1.2				
2.0H	+ 1.5 / - 1.5					+ 1.5 / - 1.4				

CIE Pub.117 Corrected 1505 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.4)

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UTILIZATION FACTORS TABLE

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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	80	77
0.80	97	92	88	96	91	88	95	91	88	84
1.00	101	96	92	100	95	92	99	95	92	88
1.25	105	100	97	104	99	96	102	98	95	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	109	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

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**ISOCANDELA DIAGRAM**

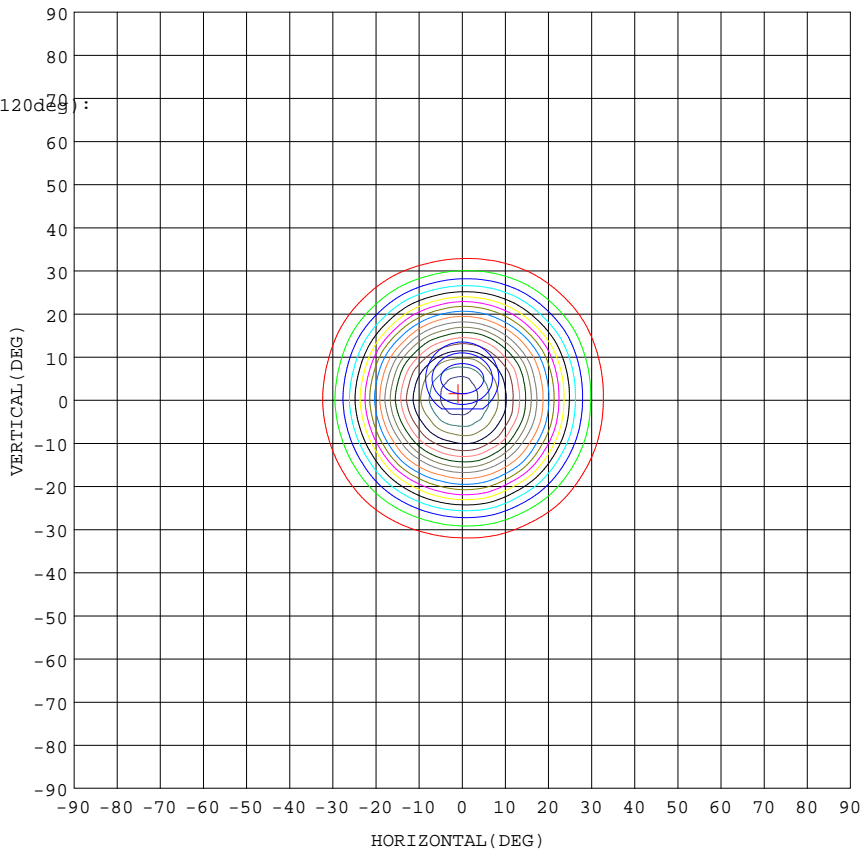
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Conical surface Flux(90deg):

1478.2 lm  
%lum = 98.2%  
%lamp = 98.2%

Conical surface Flux(120deg):

1496.6 lm  
%lum = 99.4%  
%lamp = 99.4%



1. AVG=3479, MIN=3262
2. AVG=3403, MIN=3008
3. AVG=3309, MIN=2730

Imax: 3702(H=1.0, V1.5)  
(At: C=240.0, Gamma=2.0)  
UNIT: cd

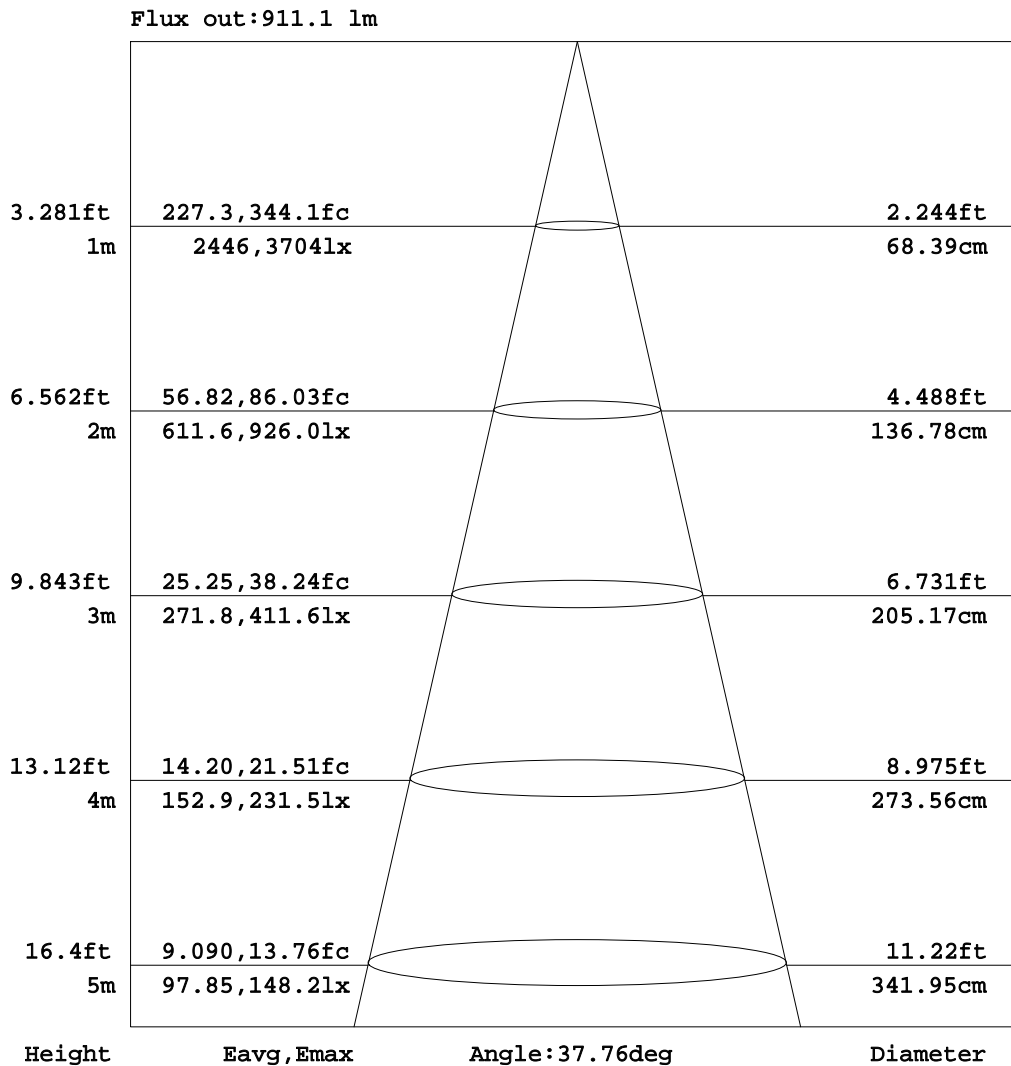
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**AAI Figure**

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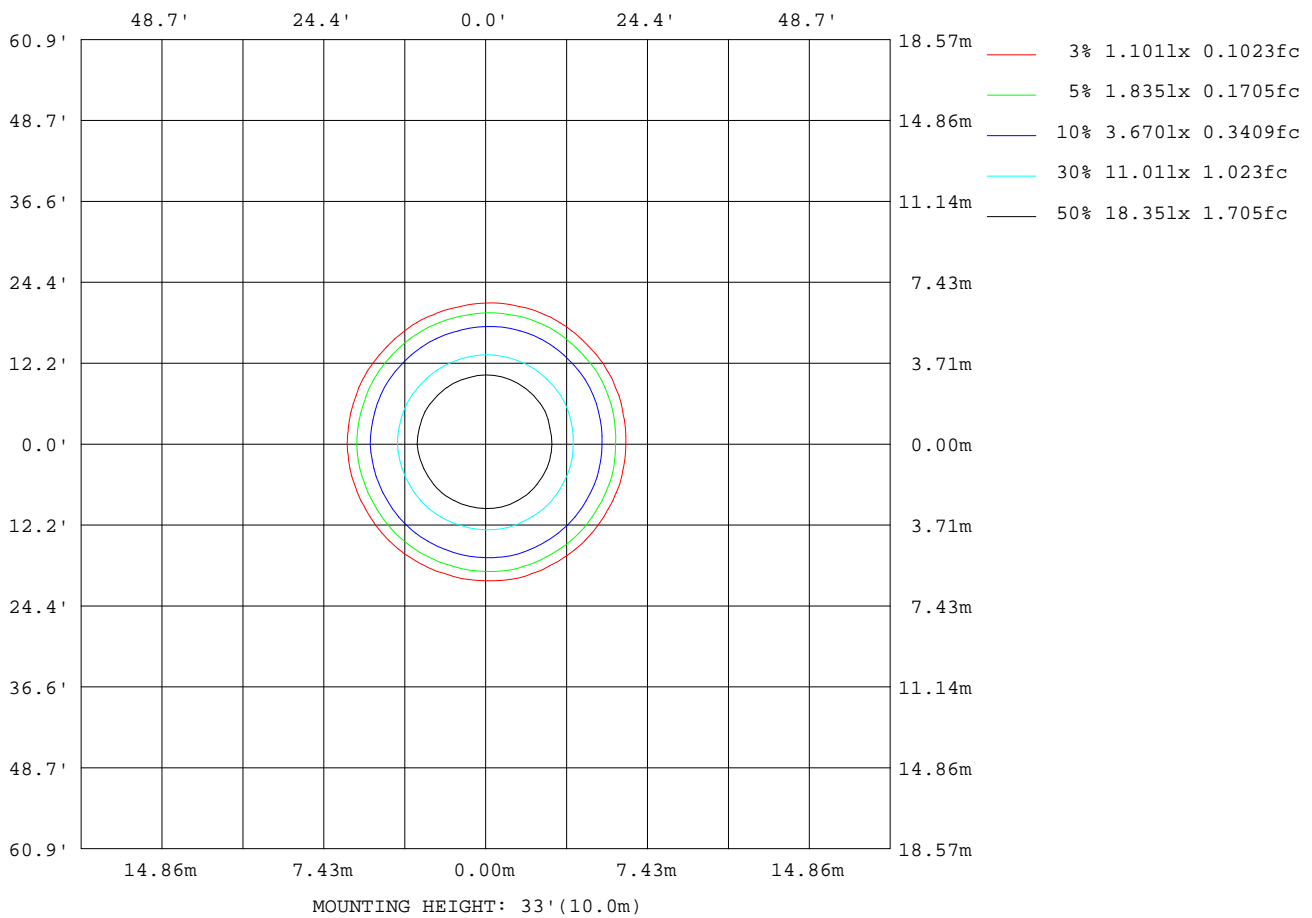
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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**ISOLUX DIAGRAM**

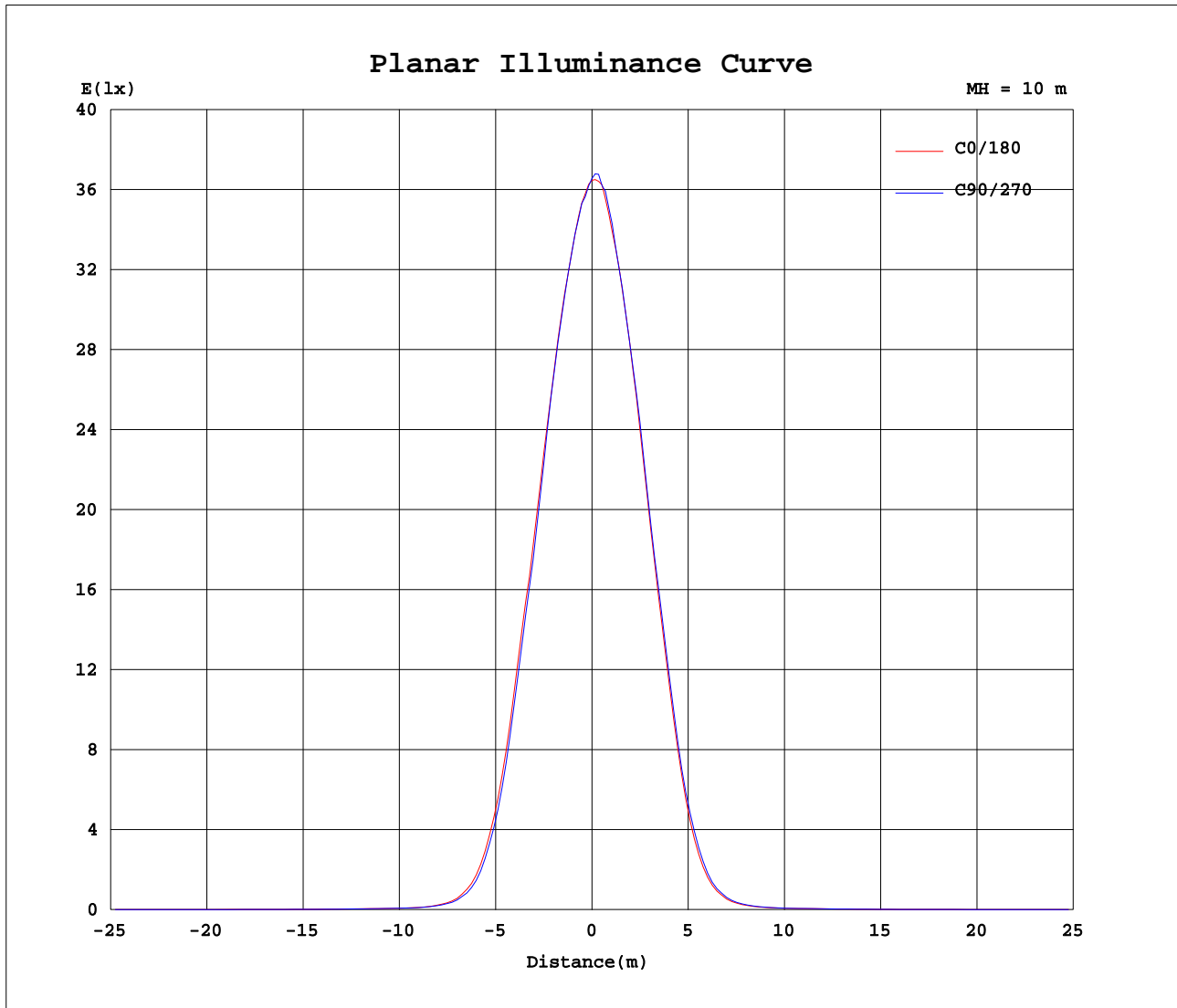
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Planar Illuminance Curve



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 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.0935A P:19.65W PF:0.9531 Lamp Flux:1505.26x1 lm		
NAME: FF6-FS2-17W-840-40D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L290mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

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	3647	3644	3638	3655	3656	3661	3657	3650	3651	3652	3650	3656	3647	3644	3638	3655	3656	3661	3657
5	3415	3415	3401	3406	3407	3407	3418	3405	3463	3472	3473	3499	3520	3525	3552	3544	3562	3562	3549
10	2983	2987	2961	2967	2974	2985	2969	2952	2982	3003	3022	3070	3114	3110	3133	3121	3142	3123	3113
15	2362	2367	2323	2330	2317	2325	2304	2292	2317	2348	2364	2420	2487	2478	2504	2484	2499	2476	2520
20	1679	1671	1642	1660	1619	1617	1592	1573	1592	1636	1637	1668	1718	1720	1747	1721	1742	1747	1768
25	901	897	875	865	838	852	821	805	807	818	821	851	904	891	913	905	935	924	946
30	350	350	332	331	316	317	299	288	290	297	292	306	330	321	337	333	349	351	373
35	104	103	97.0	96.5	91.6	91.5	88.4	83.4	85.8	88.6	87.5	90.8	96.5	96.0	101	99.1	104	105	111
40	37.1	36.9	36.1	36.4	35.5	35.8	34.6	33.8	33.8	34.3	34.0	35.1	36.8	36.3	37.8	38.2	39.5	39.4	41.3
45	21.7	21.7	21.4	21.3	21.2	21.3	21.2	20.9	21.3	21.5	21.5	21.8	22.0	21.9	22.3	22.3	22.4	22.4	22.6
50	17.2	17.1	16.9	16.8	16.6	16.6	16.4	16.3	16.8	17.1	17.0	17.0	17.3	17.2	17.4	17.4	17.5	17.4	17.5
55	11.8	11.7	11.4	11.4	11.2	11.3	11.1	11.0	11.0	11.4	11.3	11.4	11.8	11.5	11.4	11.4	11.6	11.4	11.6
60	8.24	8.11	7.82	7.86	7.75	7.84	7.80	7.62	7.58	7.85	7.94	8.07	8.37	8.11	8.00	7.97	8.14	8.08	8.23
65	5.66	5.52	5.33	5.38	5.33	5.32	5.29	5.22	5.18	5.40	5.56	5.60	5.62	5.63	5.59	5.62	5.72	5.78	5.95
70	3.84	3.73	3.58	3.61	3.58	3.53	3.47	3.45	3.48	3.64	3.69	3.76	3.87	3.87	3.86	3.93	4.05	4.08	4.19
75	1.96	1.96	1.92	1.92	1.90	1.91	1.87	1.86	1.90	1.92	1.92	1.93	1.98	2.00	2.05	2.07	2.12	2.12	2.16
80	1.16	1.17	1.15	1.15	1.13	1.14	1.13	1.11	1.16	1.17	1.17	1.18	1.21	1.22	1.26	1.27	1.30	1.29	1.31
85	0.49	0.52	0.50	0.50	0.48	0.50	0.48	0.47	0.51	0.53	0.53	0.55	0.53	0.56	0.60	0.59	0.62	0.61	0.62
90	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.08	0.05	0.06	0.05	0.06	0.06	0.07	0.06

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-06-11  
 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:220.7V I:0.0935A P:19.65W PF:0.9531 Lamp Flux:1505.26x1 lm		
NAME: FF6-FS2-17W-840-40D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L290mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	3650	3651	3652	3650	3656														
5	3546	3484	3474	3452	3424														
10	3134	3098	3056	3036	2998														
15	2526	2493	2475	2448	2391														
20	1769	1748	1754	1748	1703														
25	968	976	963	970	934														
30	391	403	392	397	372														
35	117	124	118	124	111														
40	42.8	43.3	41.7	41.6	39.0														
45	22.8	22.6	22.0	22.2	21.8														
50	17.5	17.1	16.9	17.1	16.9														
55	11.7	11.6	11.5	11.8	11.6														
60	8.30	8.25	8.24	8.30	8.18														
65	5.91	5.87	5.71	5.77	5.62														
70	4.15	3.93	3.91	3.91	3.77														
75	2.19	2.11	2.06	2.05	1.98														
80	1.33	1.28	1.25	1.23	1.18														
85	0.64	0.59	0.57	0.56	0.53														
90	0.08	0.06	0.06	0.05	0.06														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-06-11

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	3647	3644	3638	3655	3656	3661	3657	3650	3651	3652
3.0	3547	3543	3527	3520	3526	3539	3545	3543	3560	3567
6.0	3340	3350	3324	3345	3331	3350	3335	3337	3369	3401
9.0	3085	3078	3064	3088	3074	3090	3070	3061	3085	3111
12.0	2749	2766	2734	2759	2742	2751	2742	2735	2744	2779
15.0	2362	2367	2323	2330	2317	2325	2304	2292	2317	2348
18.0	1935	1941	1911	1914	1900	1889	1875	1854	1887	1927
21.0	1527	1521	1488	1499	1460	1469	1442	1414	1426	1465
24.0	1046	1045	1022	1016	978.3	995.5	964.3	947.0	948.9	970.2
27.0	648.7	646.2	622.3	619.2	597.4	600.9	577.4	561.0	562.1	575.3
30.0	350.5	349.6	332.0	331.4	316.2	316.7	299.3	288.3	289.9	297.3
33.0	173.1	169.3	159.6	158.5	151.6	149.7	142.1	142.1	139.8	147.1
36.0	82.02	81.38	77.83	76.89	74.10	72.48	69.81	67.55	69.83	70.89
39.0	45.44	45.12	44.13	44.00	42.42	42.21	40.69	39.86	40.22	41.16
42.0	28.18	28.23	27.59	27.51	27.23	27.32	26.68	26.19	26.41	26.99
45.0	21.73	21.67	21.38	21.33	21.21	21.33	21.16	20.89	21.27	21.48
48.0	19.19	19.02	18.89	18.84	18.63	18.65	18.53	18.42	18.87	19.12
51.0	16.13	15.99	15.70	15.64	15.45	15.47	15.24	15.13	15.50	15.92
54.0	12.79	12.63	12.31	12.28	12.05	12.16	11.96	11.82	11.93	12.36
57.0	10.23	10.06	9.746	9.824	9.731	9.776	9.678	9.503	9.497	9.824
60.0	8.238	8.106	7.816	7.855	7.753	7.842	7.799	7.619	7.582	7.846
63.0	6.568	6.421	6.176	6.236	6.176	6.190	6.087	6.087	6.047	6.262
66.0	5.250	5.133	4.939	5.011	4.954	4.919	4.889	4.818	4.806	5.046
69.0	4.169	4.068	3.895	3.944	3.937	3.858	3.777	3.767	3.797	3.979
72.0	3.203	3.104	2.954	2.957	2.923	2.929	2.855	2.883	2.911	3.012
75.0	1.960	1.956	1.924	1.923	1.896	1.910	1.872	1.860	1.905	1.921
78.0	1.462	1.466	1.443	1.446	1.416	1.437	1.405	1.398	1.440	1.462
81.0	1.014	1.026	1.016	1.013	0.9919	0.9981	0.9897	0.9718	1.022	1.035
84.0	0.6096	0.6395	0.6226	0.6263	0.6073	0.6176	0.6028	0.5914	0.6335	0.6526
87.0	0.2614	0.2768	0.2681	0.2594	0.2571	0.2594	0.2593	0.2398	0.2920	0.3009
90.0	0.0809	0.0809	0.0809	0.0809	0.0809	0.0787	0.0831	0.0831	0.0875	0.0875
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	3650	3656	3647	3644	3638	3655	3656	3661	3657	3650
3.0	3583	3616	3638	3646	3658	3669	3684	3681	3635	3636
6.0	3399	3431	3448	3455	3485	3483	3501	3475	3486	3459
9.0	3119	3169	3213	3211	3235	3231	3232	3216	3223	3226
12.0	2786	2844	2890	2895	2902	2897	2903	2903	2905	2912
15.0	2364	2420	2487	2478	2504	2484	2499	2476	2520	2526
18.0	1927	1961	2029	2019	2043	2031	2047	2041	2057	2059
21.0	1469	1504	1558	1554	1580	1561	1570	1577	1607	1611
24.0	967.2	1003	1062	1046	1072	1057	1085	1078	1108	1117
27.0	571.5	593.7	630.5	625.8	650.8	642.3	664.5	661.8	684.5	708.8
30.0	291.7	305.6	330.1	321.2	336.6	333.4	349.1	350.7	372.8	390.8
33.0	142.4	150.3	158.4	156.8	161.2	160.5	167.8	168.0	177.5	186.8
36.0	69.73	72.76	76.82	76.66	80.29	80.04	83.15	83.32	87.33	90.94
39.0	40.76	41.93	44.17	44.25	46.70	47.04	48.22	47.87	49.77	51.69
42.0	26.71	27.21	28.18	28.13	28.80	28.94	29.59	29.42	30.43	31.13
45.0	21.51	21.82	22.04	21.91	22.30	22.25	22.41	22.42	22.58	22.85
48.0	19.02	19.17	19.46	19.22	19.41	19.42	19.57	19.63	19.53	19.50
51.0	15.79	15.74	16.16	16.01	16.17	16.18	16.30	16.16	16.31	16.34
54.0	12.23	12.37	12.74	12.42	12.56	12.46	12.56	12.42	12.60	12.73
57.0	9.763	9.923	10.35	9.991	9.817	9.795	9.970	9.904	9.998	10.08
60.0	7.936	8.074	8.373	8.114	8.001	7.972	8.145	8.079	8.233	8.302
63.0	6.421	6.476	6.571	6.535	6.486	6.461	6.593	6.570	6.779	6.763
66.0	5.149	5.201	5.198	5.220	5.191	5.249	5.340	5.421	5.572	5.507
69.0	4.022	4.108	4.184	4.207	4.179	4.262	4.358	4.402	4.518	4.485
72.0	3.050	3.091	3.270	3.241	3.256	3.331	3.458	3.512	3.560	3.502
75.0	1.920	1.932	1.977	2.001	2.053	2.074	2.119	2.118	2.160	2.192
78.0	1.464	1.475	1.498	1.517	1.564	1.569	1.605	1.600	1.629	1.632
81.0	1.040	1.044	1.048	1.079	1.118	1.129	1.148	1.149	1.166	1.188
84.0	0.6531	0.6636	0.6566	0.6834	0.7200	0.7206	0.7397	0.7359	0.7527	0.7709
87.0	0.3117	0.3141	0.3007	0.3246	0.3464	0.3552	0.3661	0.3662	0.3748	0.3881
90.0	0.0853	0.0831	0.0547	0.0590	0.0547	0.0634	0.0590	0.0656	0.0612	0.0765
G/C	300.0	315.0	330.0	345.0						
0.0	3651	3652	3650	3656						
3.0	3607	3593	3581	3565						
6.0	3435	3398	3376	3368						
9.0	3189	3146	3128	3097						
12.0	2888	2853	2839	2783						
15.0	2493	2475	2448	2391						
18.0	2047	2022	2007	1960						
21.0	1597	1591	1596	1552						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: Meng Yongjian

Test Date: 2017-06-11

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	1129	1111	1124	1080
27.0	721.0	700.7	709.9	676.3
30.0	402.8	392.0	397.4	372.1
33.0	192.8	188.0	190.4	181.2
36.0	92.55	90.88	91.55	87.19
39.0	52.82	51.42	51.15	48.26
42.0	31.14	30.04	30.03	28.89
45.0	22.57	21.99	22.18	21.77
48.0	19.24	18.81	18.99	18.82
51.0	16.02	15.78	16.01	15.80
54.0	12.51	12.52	12.72	12.55
57.0	10.15	10.09	10.22	10.07
60.0	8.245	8.241	8.295	8.175
63.0	6.761	6.606	6.678	6.540
66.0	5.412	5.327	5.370	5.207
69.0	4.273	4.262	4.270	4.105
72.0	3.280	3.257	3.234	3.128
75.0	2.108	2.061	2.049	1.984
78.0	1.577	1.551	1.527	1.477
81.0	1.133	1.110	1.089	1.046
84.0	0.7243	0.7052	0.6937	0.6528
87.0	0.3398	0.3225	0.3092	0.2918
90.0	0.0590	0.0612	0.0547	0.0590

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-06-11

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: