

LED Downlight FUSION Series FS1-2W-840-30D



Light Output Ratio:	100.0%	
Luminaire Power:	3.105 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	fine grid method.

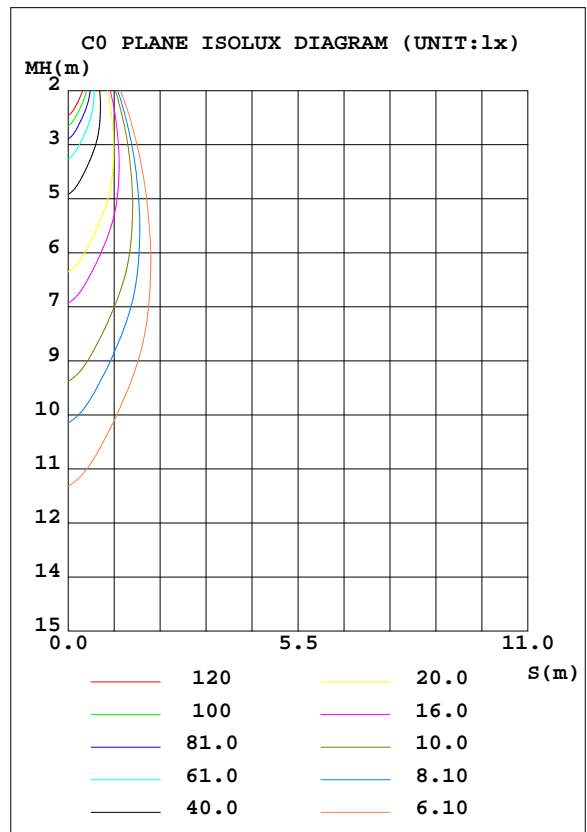
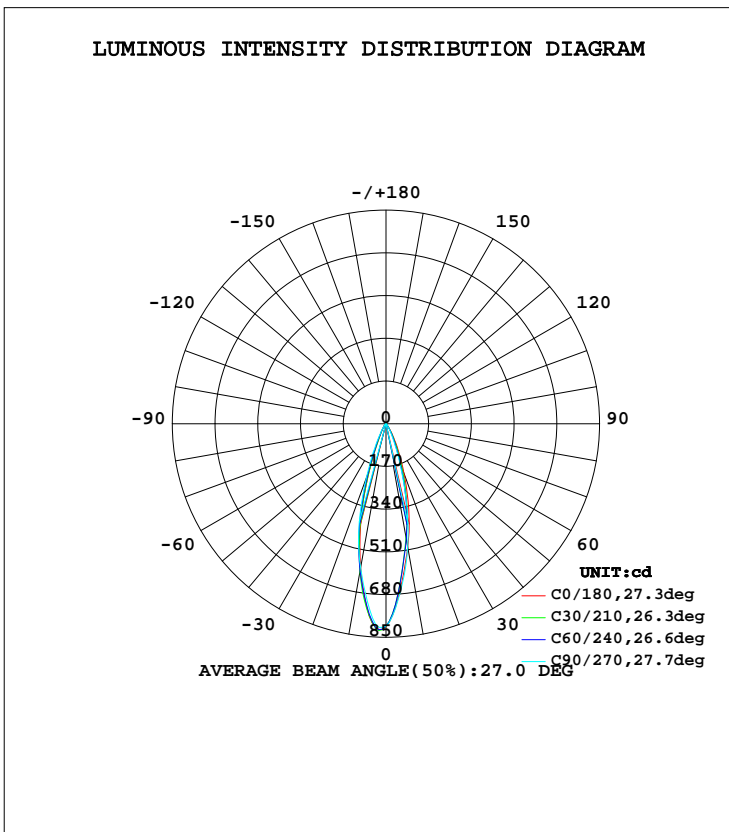
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-06-14

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:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.7V I:0.0198A P:3.105W PF:0.7089 Lamp Flux:228.258x1 lm		
NAME: FS1-2W-840-30D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L70mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 73.52 lm/W
MODEL	CREE-4000K	I _{max} (cd)	823.2	S/MH(C0/180)	0.48	
NOMINAL POWER(W)	3.0	LOR(%)	100.0	S/MH(C90/270)	0.51	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	228.26	η UP, DN(C0-180)	0.0, 46.0	
NOMINAL FLUX(lm)	228.258	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 54.0	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	1.00	



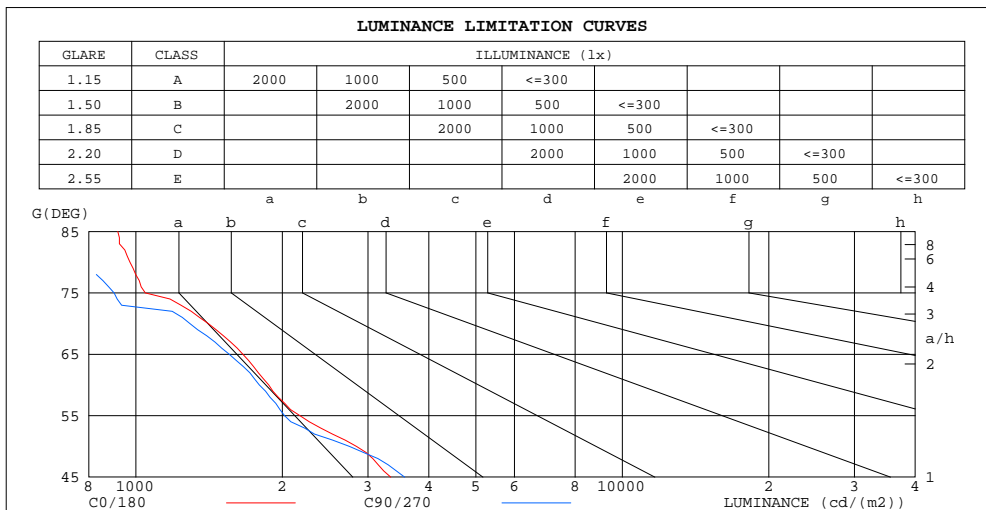
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Remarks:

**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	498.9	463.8	498.4	532.7	580.9	586.7	582.7	530.4	0- 10	61.76	61.76	27.1,27.1
20	210.1	180.7	151.7	148.0	184.4	188.6	229.6	224.8	10- 20	95.97	157.7	69.1,69.1
30	55.97	43.02	33.44	30.14	35.98	36.18	46.55	58.54	20- 30	42.99	200.7	87.9,87.9
40	10.07	9.443	10.34	12.30	13.77	12.67	11.85	11.19	30- 40	13.91	214.6	94,94
50	5.753	5.622	5.564	5.866	6.716	6.810	6.597	6.014	40- 50	6.511	221.1	96.9,96.9
60	2.953	2.830	2.824	2.828	3.267	3.325	3.195	2.968	50- 60	3.716	224.9	98.5,98.5
70	1.519	1.442	1.392	1.405	1.870	1.698	1.693	1.577	60- 70	2.241	227.1	99.5,99.5
80	0.5320	0.4630	0.4248	0.3865	0.4235	0.4706	0.4957	0.5427	70- 80	0.9432	228.0	99.9,99.9
90	0.0175	0.0066	0.0087	0.0066	0.0044	0.0044	0.0066	0.0262	80- 90	0.2218	228.3	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		



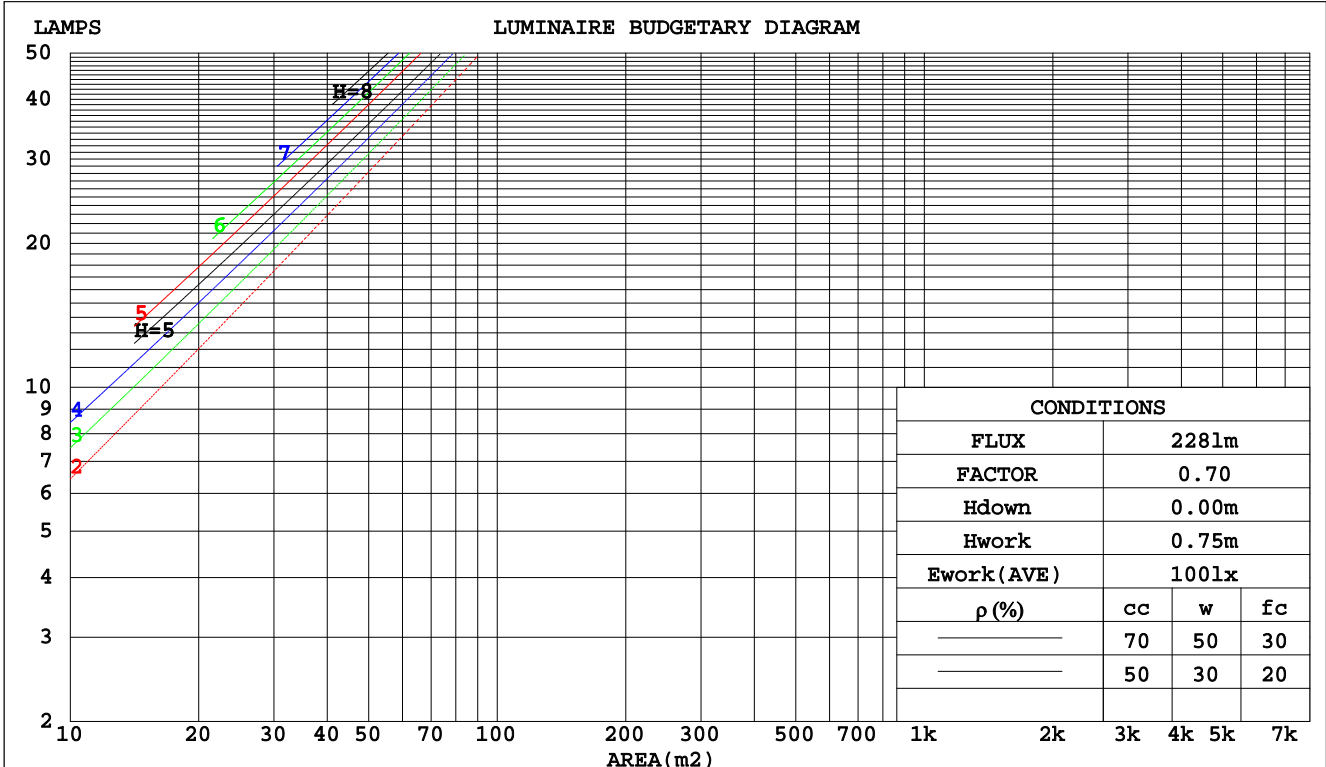
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.7V I:0.0198A P:3.105W PF:0.7089 Lamp Flux:228.258x1 lm		
NAME: FS1-2W-840-30D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L70mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

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



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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	.155	.088	.028	.148	.084	.027	.136	.078	.025	.124	.072	.023	.113	.066	.021	
2.0	.145	.079	.024	.139	.077	.024	.129	.072	.022	.119	.067	.021	.111	.063	.020	
3.0	.136	.072	.022	.131	.070	.021	.122	.066	.020	.114	.063	.019	.107	.059	.018	
4.0	.127	.066	.019	.124	.065	.019	.116	.062	.018	.109	.059	.018	.103	.056	.017	
5.0	.120	.061	.018	.117	.060	.017	.110	.058	.017	.105	.055	.016	.099	.053	.016	
6.0	.114	.057	.016	.111	.056	.016	.105	.054	.016	.100	.052	.015	.095	.050	.015	
7.0	.108	.053	.015	.105	.053	.015	.101	.051	.015	.096	.049	.014	.092	.048	.014	
8.0	.103	.050	.014	.101	.050	.014	.096	.048	.014	.092	.047	.013	.089	.045	.013	
9.0	.098	.048	.013	.096	.047	.013	.092	.046	.013	.089	.045	.013	.086	.043	.013	
10.0	.094	.045	.013	.092	.045	.012	.089	.044	.012	.086	.043	.012	.083	.042	.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	.170	.158	.147	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.116	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.119	.098	.081	.082	.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	.108	.076	.054	.093	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.006	
7.0	.101	.068	.046	.087	.059	.040	.060	.042	.028	.035	.025	.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	.084	.052	.030	.073	.045	.026	.050	.032	.019	.029	.019	.011	.010	.006	.004	

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 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

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MFR.: NEKO LIGHTING AG		

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	9.5	10.3	9.7	10.4	10.6	8.8	9.5	9.0	9.7	9.9
3H	10.0	10.7	10.3	10.9	11.1	9.3	10.1	9.6	10.2	10.4
4H	10.2	10.8	10.4	11.0	11.2	9.5	10.1	9.7	10.3	10.5
6H	10.2	10.9	10.5	11.1	11.3	9.5	10.1	9.8	10.4	10.6
8H	10.3	10.9	10.6	11.1	11.4	9.5	10.1	9.8	10.4	10.6
12H	10.3	10.9	10.6	11.1	11.4	9.5	10.1	9.8	10.4	10.6
4H 2H	9.6	10.3	9.9	10.5	10.7	9.0	9.7	9.3	9.9	10.1
3H	10.3	10.9	10.6	11.1	11.4	9.7	10.3	10.0	10.5	10.8
4H	10.5	11.0	10.8	11.3	11.6	9.9	10.4	10.2	10.7	11.0
6H	10.6	11.1	11.0	11.4	11.8	10.0	10.4	10.3	10.8	11.1
8H	10.7	11.1	11.1	11.5	11.8	10.0	10.4	10.4	10.8	11.2
12H	10.7	11.1	11.1	11.5	11.9	10.0	10.4	10.4	10.8	11.2
8H 4H	10.5	10.9	10.9	11.3	11.6	9.9	10.3	10.3	10.7	11.0
6H	10.7	11.1	11.1	11.5	11.9	10.1	10.4	10.5	10.8	11.2
8H	10.8	11.1	11.2	11.5	12.0	10.1	10.5	10.6	10.9	11.3
12H	10.9	11.1	11.3	11.6	12.0	10.2	10.4	10.6	10.9	11.3
12H 4H	10.4	10.9	10.9	11.2	11.6	9.9	10.3	10.3	10.6	11.0
6H	10.7	11.0	11.1	11.4	11.9	10.1	10.4	10.5	10.8	11.2
8H	10.8	11.1	11.2	11.5	12.0	10.1	10.4	10.6	10.9	11.3
Variations with the observer position at spacings:										
S = 1.0H	+ 1.0 / - 0.9					+ 0.8 / - 0.9				
1.5H	+ 1.6 / - 0.8					+ 0.9 / - 0.8				
2.0H	+ 1.3 / - 0.9					+ 1.8 / - 0.9				

CIE Pub.117 Corrected 228.3 lm Total Lamp Luminous Flux. (8log(F/F0) = -5.1)

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 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:0.0198A P:3.105W PF:0.7089 Lamp Flux:228.258x1 lm		
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SPEC.:4000K	DIM.: L70mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

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	88	82	78	87	81	78	87	81	78	74
0.80	95	89	86	94	89	86	93	88	85	82
1.00	99	94	90	99	93	90	97	93	89	86
1.25	103	98	95	102	98	94	100	96	94	89
1.50	106	101	98	105	101	97	103	99	96	92
2.00	109	104	101	107	103	100	104	101	99	94
2.50	110	106	104	109	105	103	106	103	101	95
3.00	112	108	106	110	107	105	107	104	102	96
4.00	114	111	109	112	109	108	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

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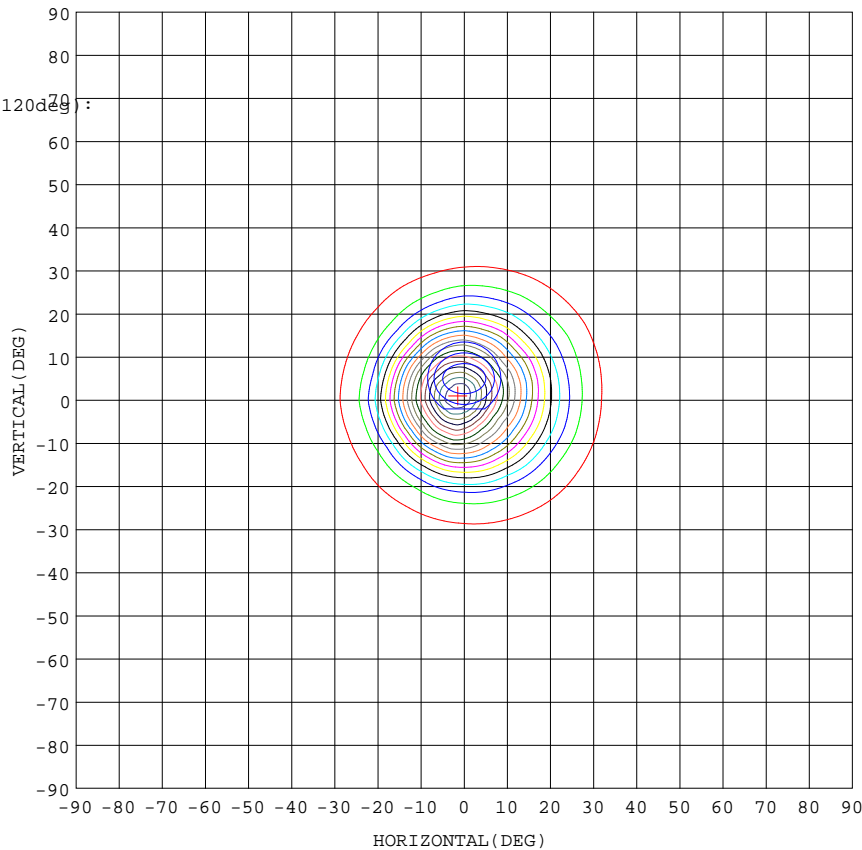
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ISOCANDELA DIAGRAM

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Conical surface Flux(90deg):
218.2 lm
%lum = 95.6%
%lamp = 95.6%

Conical surface Flux(120deg):
224.85 lm
%lum = 98.5%
%lamp = 98.5%



1. AVG=714.9,MIN=612.0
2. AVG=687.2,MIN=538.0
3. AVG=653.2,MIN=462.9

Imax:822.2(H=-1.5,V1.0)
(At:C=210.0,Gamma=2.0)
UNIT: cd

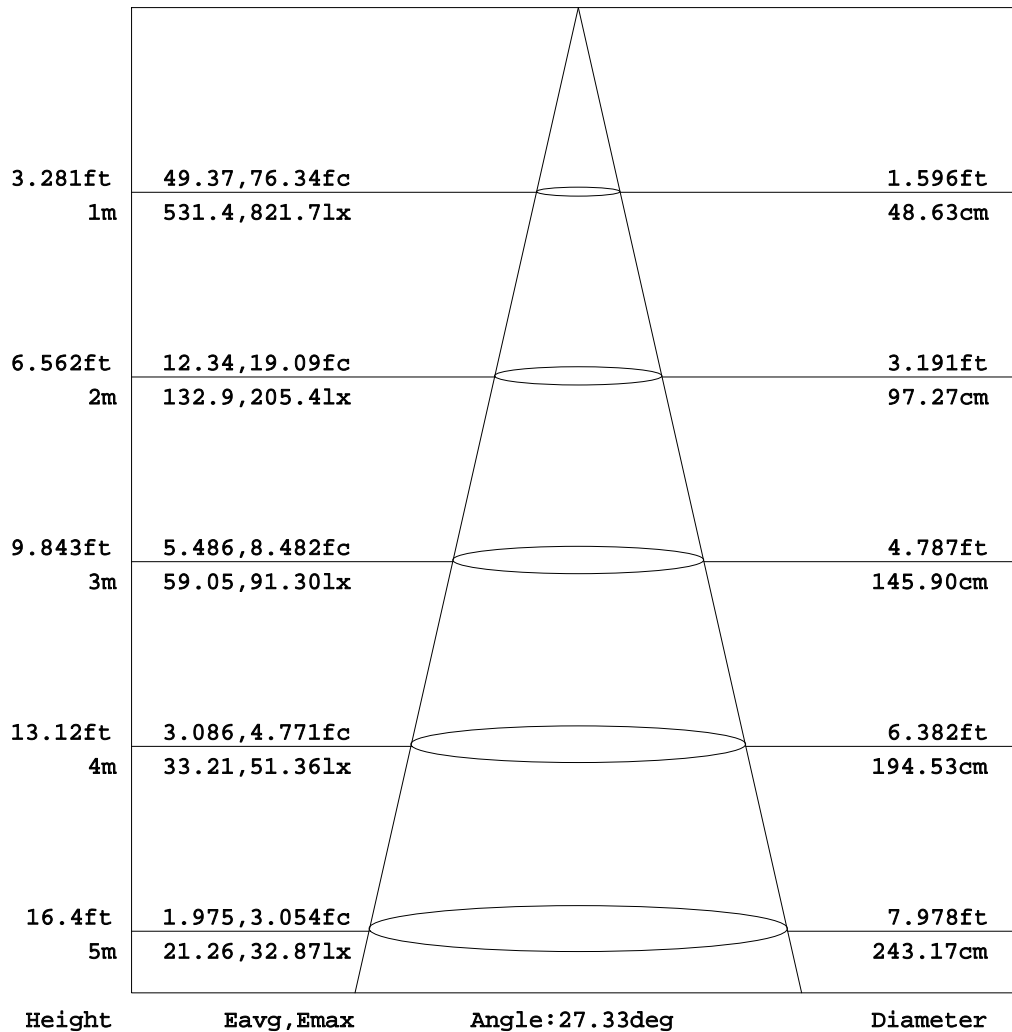
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AAI Figure

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Flux out:103.8 lm



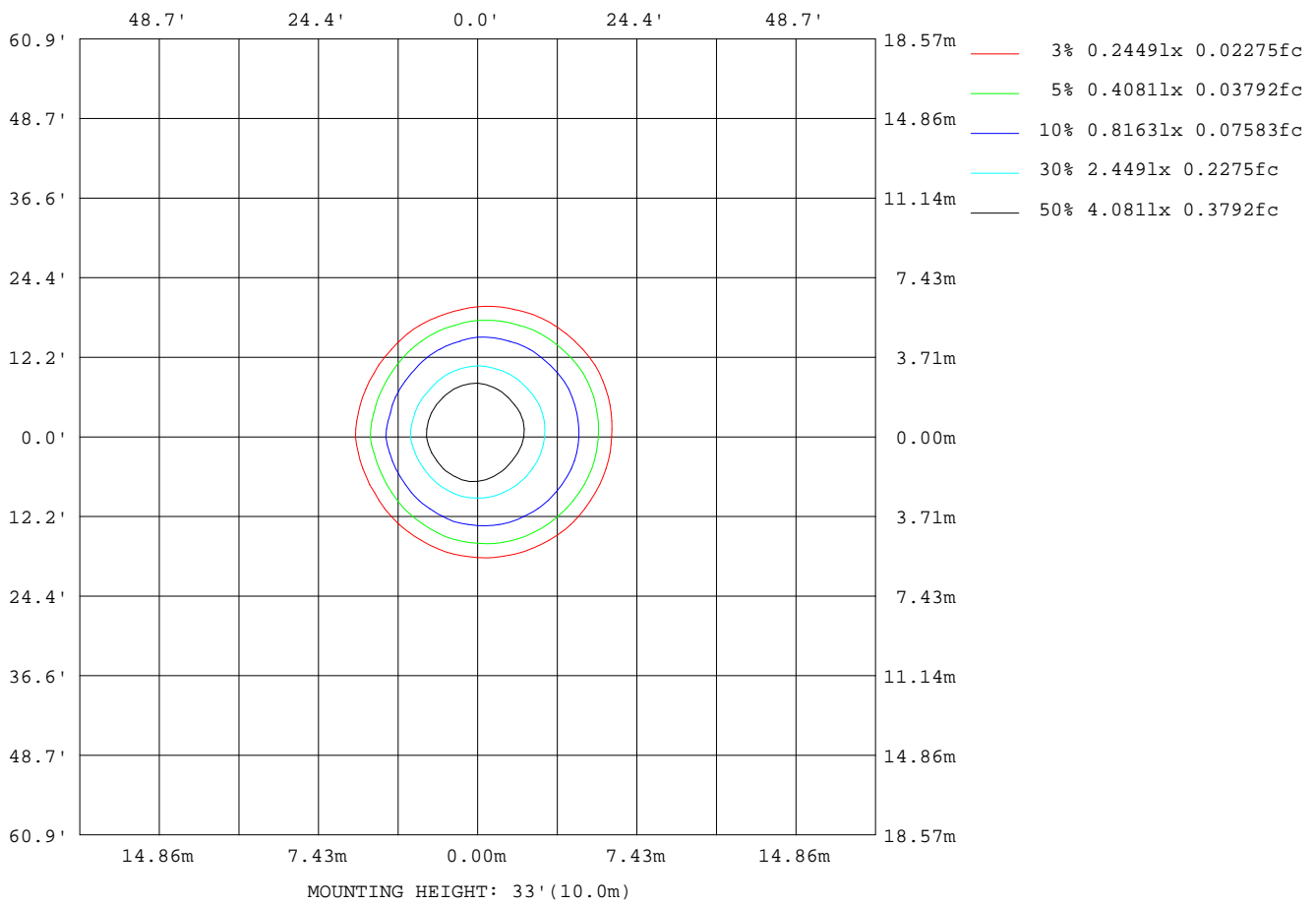
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

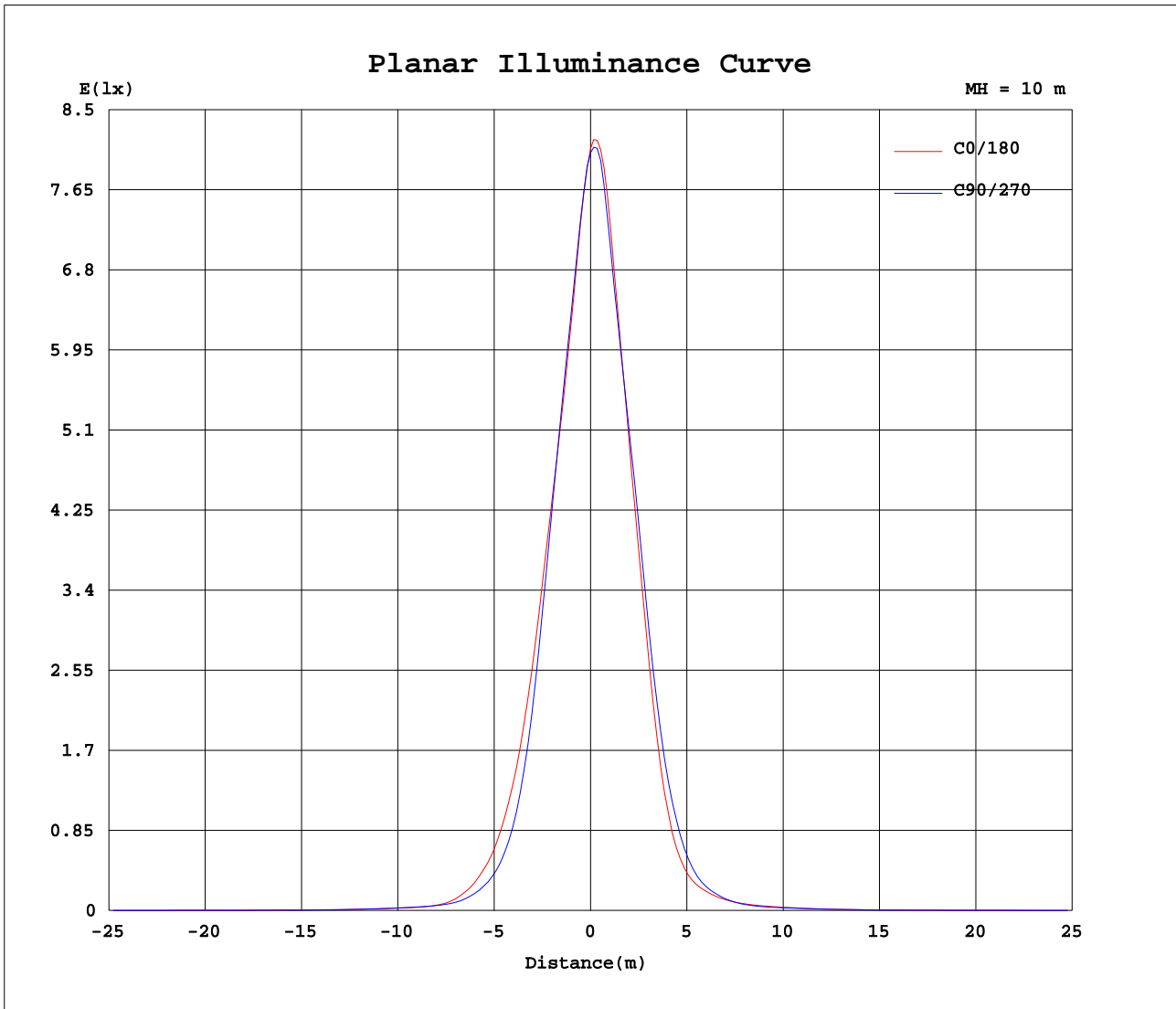
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Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

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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	809	810	807	807	805	806	804	805	804	804	804	803	809	810	807	807	805	806	804
5	658	651	638	641	642	656	668	687	699	721	733	748	768	767	767	761	762	753	744
10	499	480	461	464	467	480	498	518	521	533	538	556	581	587	598	587	594	592	583
15	349	336	319	313	306	308	309	316	314	322	327	353	381	384	390	391	403	410	414
20	210	200	190	181	164	160	152	149	144	148	146	162	184	181	186	189	205	218	230
25	114	108	96.7	89.2	81.4	75.3	69.2	66.0	60.5	60.4	59.2	62.6	73.5	71.1	72.1	75.4	86.2	93.9	107
30	56.0	51.6	46.6	43.0	39.1	35.8	33.4	32.0	30.8	30.1	30.9	32.7	36.0	35.2	35.1	36.2	39.6	42.0	46.6
35	22.9	21.2	19.1	18.3	16.8	16.1	16.0	16.8	17.1	18.1	18.2	19.2	21.2	20.4	20.2	20.3	20.9	20.9	22.8
40	10.1	9.85	9.32	9.44	9.53	9.92	10.3	11.1	11.4	12.3	12.5	13.2	13.8	13.4	13.1	12.7	12.3	11.9	11.8
45	7.44	7.34	7.17	7.26	7.36	7.75	7.95	8.45	8.54	8.93	9.27	9.66	10.0	9.66	9.59	9.44	9.27	8.82	8.47
50	5.75	5.73	5.68	5.62	5.46	5.61	5.56	5.58	5.64	5.87	5.85	6.24	6.72	6.65	6.72	6.81	6.94	6.61	6.60
55	3.93	3.85	3.76	3.70	3.67	3.66	3.65	3.65	3.62	3.69	3.64	3.84	4.40	4.38	4.26	4.26	4.25	4.19	4.22
60	2.95	2.90	2.85	2.83	2.81	2.82	2.82	2.83	2.79	2.83	2.80	3.01	3.27	3.25	3.48	3.32	3.26	3.21	3.19
65	2.21	2.16	2.13	2.11	2.05	2.08	2.07	2.03	2.06	2.14	2.06	2.28	2.54	2.55	2.58	2.54	2.50	2.45	2.45
70	1.52	1.49	1.46	1.44	1.40	1.39	1.39	1.34	1.36	1.40	1.37	1.53	1.87	1.82	1.72	1.70	1.69	1.72	1.69
75	0.85	0.82	0.81	0.78	0.77	0.74	0.74	0.71	0.72	0.70	0.72	0.72	0.75	0.77	0.77	0.80	0.81	0.83	0.85
80	0.53	0.50	0.50	0.46	0.46	0.42	0.42	0.40	0.41	0.39	0.41	0.40	0.42	0.44	0.44	0.47	0.47	0.50	0.50
85	0.25	0.22	0.23	0.20	0.20	0.16	0.17	0.13	0.14	0.12	0.14	0.12	0.14	0.17	0.16	0.19	0.19	0.22	0.21
90	0.02	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-06-14

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:0.0198A P:3.105W PF:0.7089 Lamp Flux:228.258x1 lm		
NAME: FS1-2W-840-30D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L70mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	805	804	804	804	803														
5	729	717	698	685	669														
10	564	550	530	528	516														
15	399	391	376	374	367														
20	225	230	225	226	221														
25	112	117	117	120	117														
30	51.1	56.1	58.5	61.5	59.3														
35	24.3	25.7	25.8	26.7	24.9														
40	11.3	11.5	11.2	11.2	10.6														
45	8.04	7.75	7.57	7.63	7.48														
50	6.37	6.17	6.01	5.94	5.78														
55	4.14	4.09	4.00	3.99	3.89														
60	3.09	3.04	2.97	2.94	2.92														
65	2.33	2.29	2.23	2.23	2.21														
70	1.66	1.63	1.58	1.60	1.53														
75	0.88	0.91	0.89	0.90	0.86														
80	0.53	0.52	0.54	0.53	0.54														
85	0.25	0.24	0.26	0.24	0.26														
90	0.02	0.02	0.03	0.02	0.03														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-06-14

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	808.8	809.7	806.6	807.5	805.3	806.4	804.4	804.8	803.7	803.6
3.0	730.2	729.2	720.8	722.7	721.3	730.0	734.1	748.7	759.5	775.4
6.0	624.2	612.6	597.9	599.2	602.4	619.5	634.2	656.1	665.1	682.9
9.0	529.0	510.5	490.8	494.3	497.4	514.1	534.9	554.6	558.7	571.3
12.0	441.6	424.8	406.5	404.4	404.4	414.6	425.4	439.4	438.1	451.2
15.0	349.5	335.7	319.2	313.5	305.8	308.3	308.8	316.1	313.8	322.2
18.0	262.5	251.7	237.1	229.5	216.3	212.0	205.1	205.2	201.0	207.2
21.0	186.8	178.2	166.8	157.5	143.0	138.9	129.5	127.2	120.7	121.5
24.0	129.9	123.6	111.5	103.1	93.57	87.78	81.29	77.27	70.73	71.58
27.0	85.96	80.53	71.45	66.09	60.81	56.21	51.37	49.07	46.24	45.42
30.0	55.97	51.61	46.62	43.02	39.07	35.76	33.44	32.01	30.79	30.14
33.0	33.81	31.03	27.60	26.22	23.55	22.59	21.46	21.62	21.34	22.03
36.0	18.56	17.50	15.39	14.95	14.23	13.93	14.26	15.13	15.58	16.39
39.0	11.38	10.91	10.23	10.25	10.27	10.51	10.96	11.90	12.20	13.07
42.0	8.680	8.561	8.244	8.284	8.343	8.932	9.281	10.04	10.09	10.73
45.0	7.443	7.344	7.173	7.259	7.359	7.746	7.946	8.449	8.539	8.927
48.0	6.468	6.458	6.368	6.412	6.360	6.627	6.630	6.823	6.878	7.146
51.0	5.340	5.335	5.220	5.184	5.012	5.081	5.035	5.029	5.038	5.194
54.0	4.206	4.180	4.034	4.018	3.891	3.957	3.854	3.886	3.858	3.947
57.0	3.472	3.407	3.327	3.305	3.271	3.300	3.327	3.291	3.266	3.307
60.0	2.953	2.898	2.846	2.830	2.807	2.821	2.824	2.830	2.785	2.828
63.0	2.496	2.443	2.405	2.386	2.341	2.377	2.379	2.340	2.343	2.395
66.0	2.070	2.030	1.993	1.973	1.923	1.936	1.924	1.888	1.910	1.999
69.0	1.650	1.628	1.595	1.569	1.528	1.516	1.512	1.468	1.490	1.545
72.0	1.265	1.236	1.215	1.197	1.152	1.143	1.156	1.073	0.9567	1.011
75.0	0.8525	0.8238	0.8099	0.7757	0.7704	0.7364	0.7354	0.7101	0.7157	0.7036
78.0	0.6545	0.6292	0.6195	0.5855	0.5757	0.5439	0.5430	0.5177	0.5232	0.5089
81.0	0.4729	0.4455	0.4422	0.4062	0.4051	0.3712	0.3658	0.3406	0.3504	0.3297
84.0	0.3045	0.2772	0.2783	0.2444	0.2477	0.2073	0.2106	0.1810	0.1930	0.1679
87.0	0.1515	0.1221	0.1296	0.0959	0.1011	0.0675	0.0705	0.0413	0.0508	0.0283
90.0	0.0175	0.0131	0.0131	0.0066	0.0066	0.0044	0.0087	0.0087	0.0066	0.0066
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	804.0	803.0	808.8	809.7	806.6	807.5	805.3	806.4	804.8	804.8
3.0	784.3	793.8	810.8	811.8	813.2	810.6	810.5	804.9	799.5	786.4
6.0	697.4	712.7	734.2	736.0	739.1	730.8	730.2	720.7	712.1	693.9
9.0	577.5	594.1	619.2	626.1	635.9	625.6	629.1	623.0	614.0	595.4
12.0	457.3	478.3	499.8	505.1	513.4	514.1	522.2	523.0	519.7	502.2
15.0	326.9	353.5	380.8	383.9	390.1	390.6	403.5	410.1	413.8	399.2
18.0	210.6	230.7	256.8	255.4	258.5	260.8	280.3	290.5	297.9	292.1
21.0	121.7	136.4	154.3	149.9	154.9	158.1	173.2	186.1	198.5	197.5
24.0	70.26	75.65	87.86	84.34	86.02	90.13	102.6	111.0	127.1	130.1
27.0	44.86	46.72	52.33	51.07	52.19	55.46	61.97	68.50	76.35	81.41
30.0	30.92	32.67	35.98	35.19	35.07	36.18	39.57	42.00	46.55	51.11
33.0	22.13	23.58	25.91	25.24	25.48	25.71	26.31	27.48	30.65	32.63
36.0	16.75	17.45	19.00	18.48	18.11	17.86	18.46	18.27	19.92	20.67
39.0	13.42	14.12	14.81	14.48	14.20	13.70	13.39	12.89	13.28	12.85
42.0	11.13	11.48	12.05	11.58	11.46	11.18	10.75	10.30	10.01	9.492
45.0	9.271	9.659	10.04	9.658	9.586	9.436	9.274	8.817	8.468	8.043
48.0	7.353	7.646	8.199	8.031	7.995	7.958	8.029	7.509	7.414	7.064
51.0	5.298	5.526	6.132	6.004	6.097	6.157	6.305	6.077	6.092	5.925
54.0	3.928	4.150	4.698	4.586	4.651	4.643	4.646	4.569	4.594	4.499
57.0	3.284	3.556	3.872	3.887	3.882	3.841	3.754	3.723	3.693	3.588
60.0	2.800	3.009	3.267	3.248	3.483	3.325	3.260	3.206	3.195	3.091
63.0	2.359	2.559	2.814	2.850	3.021	2.864	2.829	2.752	2.753	2.621
66.0	1.913	2.133	2.399	2.404	2.370	2.365	2.329	2.297	2.288	2.190
69.0	1.504	1.680	2.034	1.971	1.840	1.851	1.841	1.860	1.844	1.792
72.0	0.9591	1.225	1.499	1.434	1.409	1.420	1.391	1.431	1.422	1.403
75.0	0.7223	0.7211	0.7537	0.7747	0.7733	0.7988	0.8060	0.8348	0.8518	0.8792
78.0	0.5299	0.5221	0.5525	0.5734	0.5678	0.5931	0.5918	0.6171	0.6181	0.6456
81.0	0.3483	0.3384	0.3623	0.3831	0.3776	0.4072	0.4060	0.4399	0.4366	0.4662
84.0	0.1865	0.1744	0.1918	0.2170	0.2093	0.2411	0.2377	0.2716	0.2661	0.2979
87.0	0.0442	0.0304	0.0390	0.0682	0.0586	0.0923	0.0870	0.1229	0.1132	0.1426
90.0	0.0087	0.0066	0.0044	0.0044	0.0044	0.0044	0.0022	0.0066	0.0066	0.0175
G/C	300.0	315.0	330.0	345.0						
0.0	803.7	803.6	804.0	803.0						
3.0	773.9	757.8	748.7	735.2						
6.0	682.2	663.4	653.9	636.8						
9.0	581.6	565.0	560.8	546.7						
12.0	485.3	466.8	466.9	456.9						
15.0	390.6	376.1	374.2	367.1						
18.0	291.2	280.7	283.6	275.5						
21.0	202.9	198.9	200.0	195.3						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: Meng Yongjian

Test Date: 2017-06-14

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	136.3	134.2	137.0	133.0
27.0	86.96	89.10	94.04	90.37
30.0	56.09	58.54	61.51	59.33
33.0	35.72	37.15	39.10	36.85
36.0	21.57	21.39	21.83	20.46
39.0	13.09	12.75	12.73	12.00
42.0	9.423	8.914	8.985	8.765
45.0	7.749	7.566	7.630	7.481
48.0	6.818	6.644	6.714	6.544
51.0	5.778	5.603	5.612	5.415
54.0	4.480	4.346	4.399	4.234
57.0	3.551	3.470	3.515	3.426
60.0	3.042	2.968	2.939	2.922
63.0	2.582	2.507	2.495	2.492
66.0	2.148	2.098	2.102	2.067
69.0	1.761	1.713	1.719	1.665
72.0	1.367	1.331	1.352	1.272
75.0	0.9083	0.8873	0.8974	0.8587
78.0	0.6444	0.6630	0.6509	0.6565
81.0	0.4585	0.4815	0.4672	0.4771
84.0	0.2923	0.3132	0.2988	0.3132
87.0	0.1351	0.1600	0.1438	0.1579
90.0	0.0153	0.0262	0.0241	0.0262

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2017-06-14

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: