

LED DownLight FUSION Series FF3-7W-840-24D Specular



Light Output Ratio:	100.0%	
Luminaire Power:	8.871 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	fine grid method.

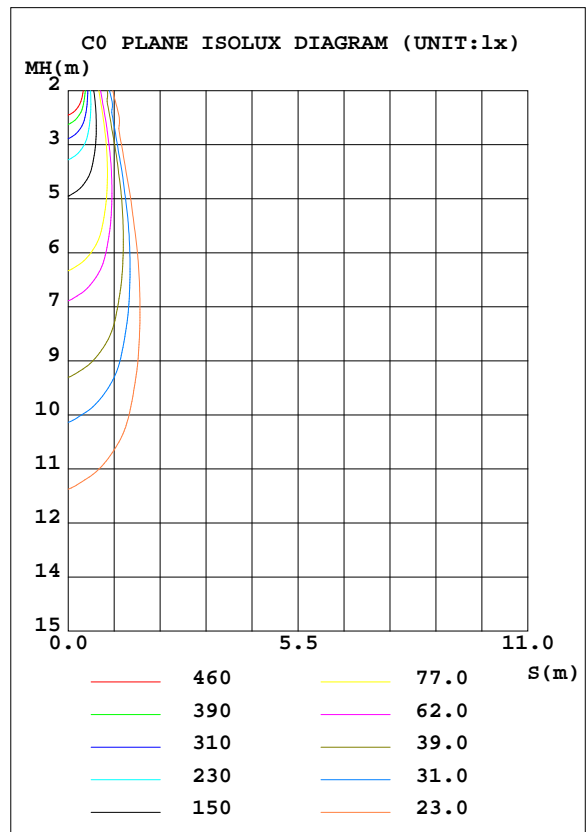
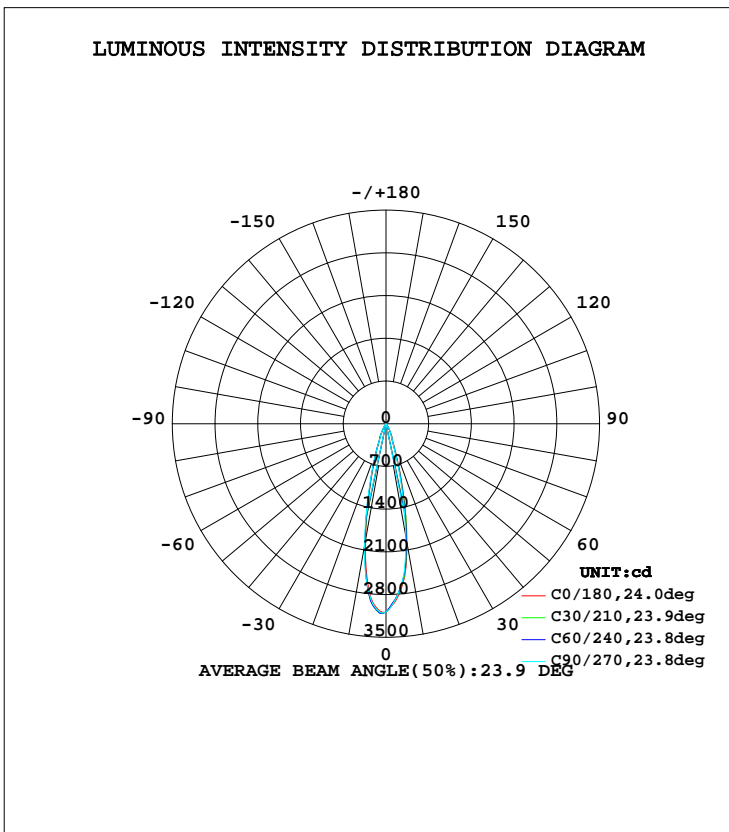
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Cao Chengpei
Test Date: 2016-06-24

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:220.1V I:0.0483A P:8.871W PF:0.8339 Lamp Flux:635.84x1 lm		
NAME: FF3-7W-840-24D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L98mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	CREE-4000K	Imax(cd)	3112	S/MH(C0/180)	0.40
NOMINAL POWER(W)	8.5	LOR(%)	100.0	S/MH(C90/270)	0.41
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	635.84	η UP, DN(C0-180)	0.0, 48.5
NOMINAL FLUX(lm)	635.84	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 51.5
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



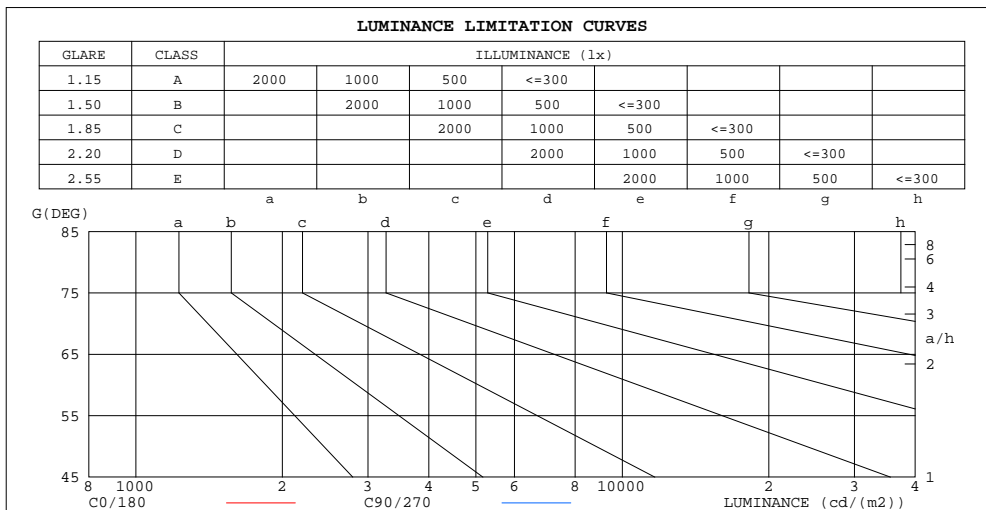
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**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	#lum,lamp
10	1974	1976	1872	1897	1938	1955	2037	2050	0- 10	240.8	240.8	37.9,37.9
20	376.0	351.1	331.1	382.8	410.2	437.8	443.1	421.8	10- 20	273.2	514.0	80.8,80.8
30	103.6	99.94	96.43	97.15	99.42	103.6	104.0	111.7	20- 30	95.60	609.6	95.9,95.9
40	6.150	6.770	6.317	5.484	5.101	5.749	5.664	6.279	30- 40	22.32	631.9	99.4,99.4
50	2.207	2.437	2.242	1.789	1.842	1.619	1.506	1.796	40- 50	1.943	633.9	99.7,99.7
60	1.229	1.260	0.8876	0.6659	0.5953	0.7037	0.7466	1.036	50- 60	1.326	635.2	99.9,99.9
70	0.2263	0.2639	0.2111	0.1512	0.1085	0.1663	0.1553	0.2431	60- 70	0.4426	635.7	100,100
80	0.0874	0.0936	0.0789	0.0617	0.0298	0.0704	0.0510	0.0981	70- 80	0.1284	635.8	100,100
90	0.0469	0.0447	0.0277	0.0298	0.0170	0.0234	0.0192	0.0426	80- 90	0.0522	635.8	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	161	117
80	114	103
75	114	116
70	150	140
65	301	213
60	557	403
55	770	658
50	778	791
45	693	741

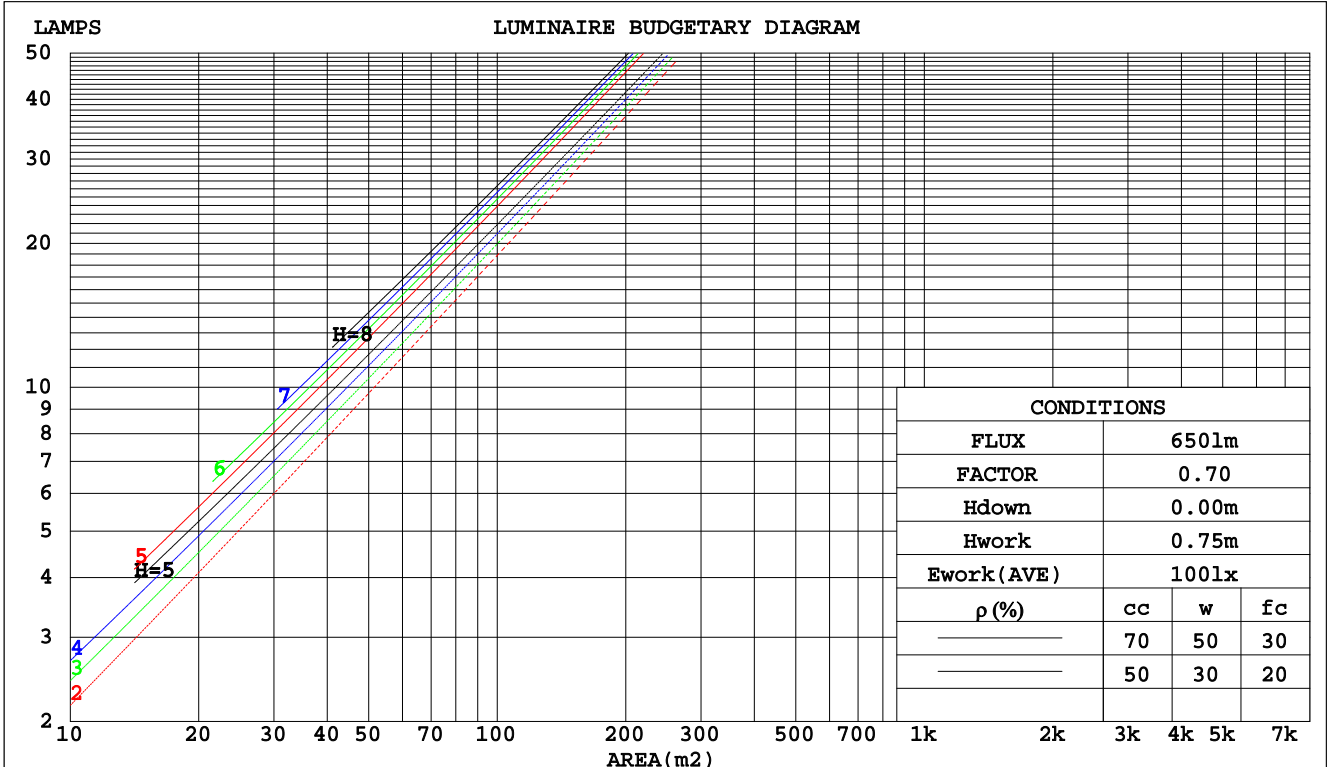
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Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.1V I:0.0483A P:8.871W PF:0.8339 Lamp Flux:635.84x1 lm		
NAME: FF3-7W-840-24D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L98mm*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																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	.00
1.0	1.13	1.11	1.09	1.11	1.09	1.08	1.07	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97
2.0	1.08	1.05	1.03	1.06	1.04	1.01	1.03	1.01	.99	1.00	.99	.97	.98	.96	.95	.94
3.0	1.03	.00	.97	1.02	.99	.96	.00	.97	.95	.97	.95	.93	.95	.94	.92	.91
4.0	.00	.96	.93	.99	.95	.92	.97	.94	.91	.95	.92	.90	.93	.91	.89	.88
5.0	.96	.92	.89	.95	.92	.89	.94	.90	.88	.92	.89	.87	.91	.88	.87	.85
6.0	.93	.89	.86	.92	.88	.86	.91	.88	.85	.90	.87	.85	.89	.86	.84	.83
7.0	.90	.86	.83	.89	.86	.83	.88	.85	.83	.87	.84	.82	.86	.84	.82	.81
8.0	.87	.83	.81	.87	.83	.80	.86	.83	.80	.85	.82	.80	.84	.82	.80	.79
9.0	.85	.81	.78	.85	.81	.78	.84	.80	.78	.83	.80	.78	.82	.80	.78	.77
10.0	.83	.79	.76	.82	.79	.76	.82	.78	.76	.81	.78	.76	.80	.78	.76	.75



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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	.134	.076	.024	.127	.073	.023	.115	.066	.021	.104	.060	.019	.093	.054	.017	
2.0	.124	.068	.021	.119	.065	.020	.108	.060	.019	.099	.056	.017	.090	.051	.016	
3.0	.115	.061	.018	.111	.059	.018	.102	.056	.017	.095	.052	.016	.087	.048	.015	
4.0	.108	.056	.017	.104	.055	.016	.097	.052	.015	.091	.049	.015	.084	.046	.014	
5.0	.102	.052	.015	.099	.051	.015	.092	.048	.014	.087	.046	.014	.082	.044	.013	
6.0	.096	.048	.014	.094	.047	.014	.088	.045	.013	.083	.043	.013	.079	.041	.012	
7.0	.091	.045	.013	.089	.044	.013	.084	.043	.012	.080	.041	.012	.076	.040	.012	
8.0	.087	.043	.012	.085	.042	.012	.081	.040	.012	.077	.039	.011	.074	.038	.011	
9.0	.083	.040	.011	.081	.040	.011	.078	.039	.011	.075	.037	.011	.071	.036	.010	
10.0	.080	.038	.011	.078	.038	.011	.075	.037	.010	.072	.036	.010	.069	.035	.010	

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	.168	.158	.148	.144	.135	.128	.098	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.150	.133	.118	.128	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.135	.113	.096	.115	.098	.083	.079	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.122	.098	.079	.105	.085	.069	.072	.059	.049	.042	.035	.029	.013	.011	.009	
5.0	.111	.085	.066	.096	.074	.058	.066	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.102	.075	.056	.088	.065	.049	.061	.046	.035	.035	.027	.021	.011	.009	.007	
7.0	.095	.067	.048	.082	.058	.042	.056	.041	.030	.033	.024	.018	.011	.008	.006	
8.0	.088	.060	.041	.076	.052	.036	.053	.037	.026	.031	.022	.015	.010	.007	.005	
9.0	.083	.055	.036	.071	.048	.031	.049	.033	.022	.029	.020	.013	.009	.006	.004	
10.0	.078	.050	.032	.067	.043	.027	.046	.031	.020	.027	.018	.012	.009	.006	.004	

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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	6.4	7.0	6.6	7.2	7.3	6.1	6.8	6.3	6.9	7.1
3H	6.3	6.9	6.5	7.1	7.2	6.0	6.6	6.2	6.8	7.0
4H	6.2	6.8	6.5	7.0	7.2	5.9	6.5	6.2	6.7	6.9
6H	6.1	6.7	6.4	6.9	7.1	5.9	6.4	6.1	6.6	6.9
8H	6.1	6.6	6.4	6.8	7.1	5.8	6.3	6.1	6.6	6.8
12H	6.0	6.5	6.3	6.8	7.1	5.8	6.3	6.1	6.5	6.8
4H 2H	6.2	6.8	6.5	7.0	7.2	6.0	6.5	6.2	6.7	6.9
3H	6.1	6.6	6.4	6.8	7.1	5.8	6.3	6.1	6.6	6.8
4H	6.0	6.4	6.3	6.7	7.0	5.7	6.2	6.0	6.5	6.8
6H	5.9	6.3	6.3	6.6	7.0	5.6	6.0	6.0	6.3	6.7
8H	5.8	6.2	6.2	6.6	6.9	5.6	5.9	5.9	6.3	6.6
12H	5.8	6.1	6.2	6.5	6.9	5.5	5.9	5.9	6.2	6.6
8H 4H	5.8	6.2	6.2	6.6	6.9	5.6	5.9	5.9	6.3	6.6
6H	5.7	6.0	6.1	6.4	6.8	5.5	5.8	5.9	6.2	6.6
8H	5.7	5.9	6.1	6.4	6.8	5.4	5.7	5.8	6.1	6.5
12H	5.6	5.9	6.1	6.3	6.8	5.3	5.6	5.8	6.0	6.5
12H 4H	5.8	6.1	6.2	6.5	6.9	5.5	5.9	5.9	6.2	6.6
6H	5.7	5.9	6.1	6.4	6.8	5.4	5.7	5.8	6.1	6.5
8H	5.6	5.9	6.1	6.3	6.8	5.3	5.6	5.8	6.0	6.5
Variations with the observer position at spacings:										
S = 1.0H	+ 3.0 / - 3.9					+ 3.3 / - 4.6				
1.5H	+ 5.2 / - 4.2					+ 5.3 / - 4.3				
2.0H	+ 1.4 / - 2.5					+ 1.7 / - 3.1				

CIE Pub.117 Corrected 635.8 lm Total Lamp Luminous Flux. (8log(F/F0) = -1.6)

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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	91	86	82	91	85	82	90	85	82	79
0.80	98	93	90	97	93	90	96	92	89	86
1.00	102	97	94	101	96	93	100	96	93	89
1.25	105	101	98	104	100	97	102	99	96	93
1.50	108	104	101	107	103	100	104	101	99	95
2.00	110	106	103	108	105	103	106	103	101	96
2.50	111	108	105	110	107	104	107	104	102	97
3.00	113	110	107	111	108	106	108	106	104	98
4.00	115	112	110	113	110	109	109	107	106	99
5.00	116	114	112	114	112	111	110	109	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

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ISOCANDELA DIAGRAM

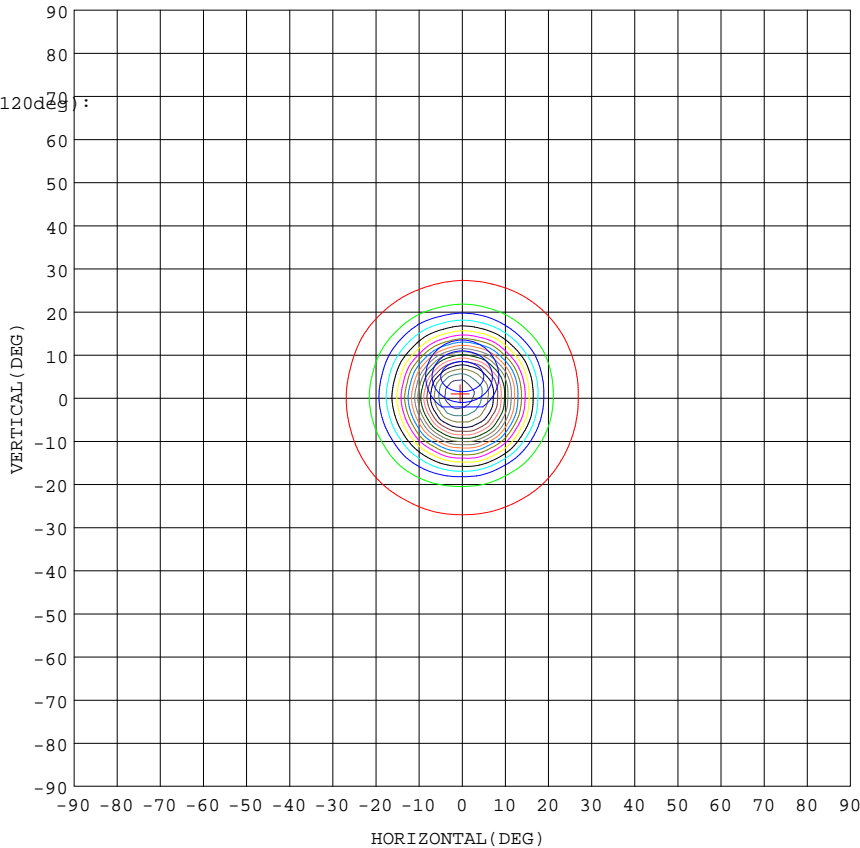
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Conical surface Flux(90deg):

633.11 lm
%lum = 99.6%
%lamp = 99.6%

Conical surface Flux(120deg):

635.22 lm
%lum = 99.9%
%lamp = 99.9%



1. AVG=2756, MIN=2343
2. AVG=2615, MIN=1823
3. AVG=2436, MIN=1306

Imax:3110(H=0.5,V1.0)
(At:C=225.0,Gamma=1.0)

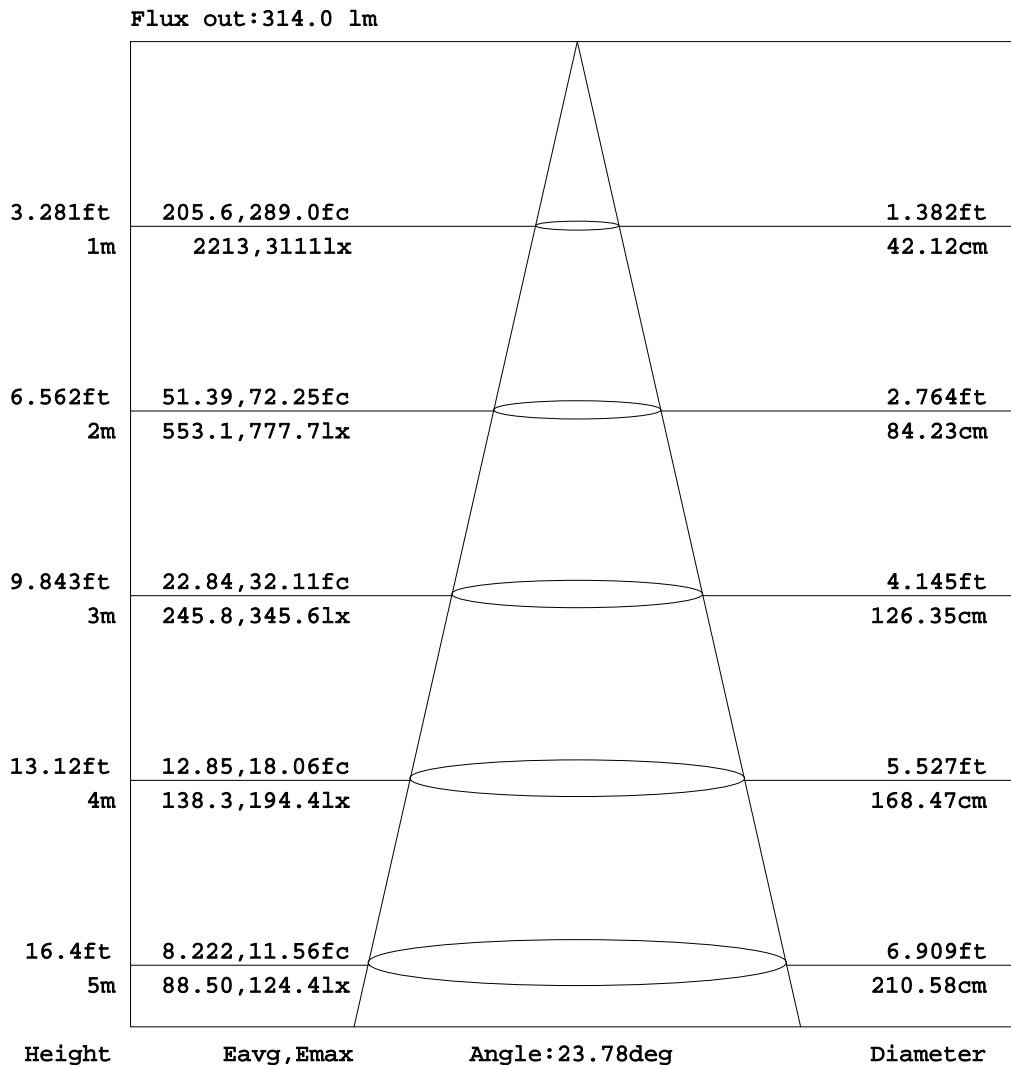
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AAI Figure

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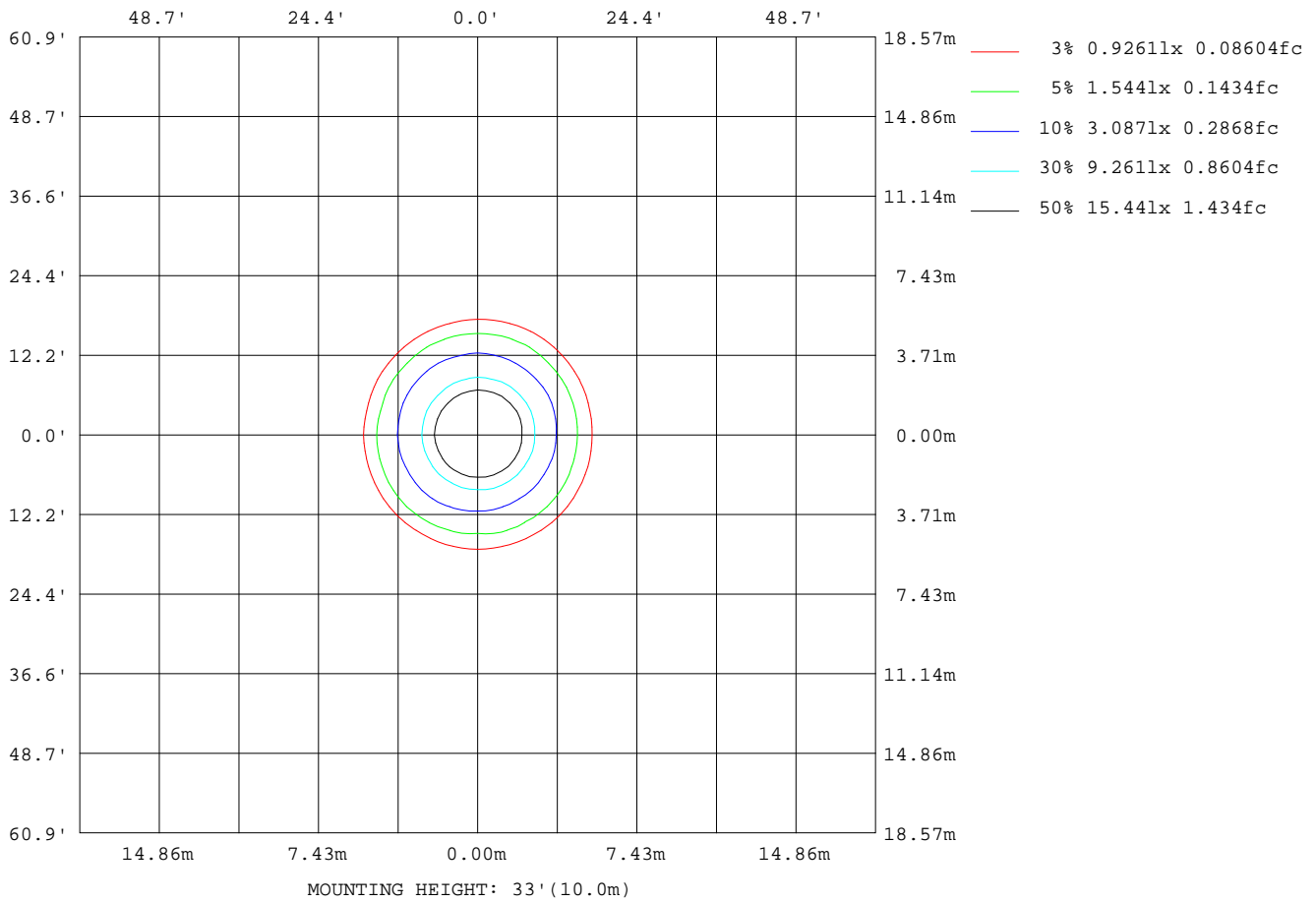
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

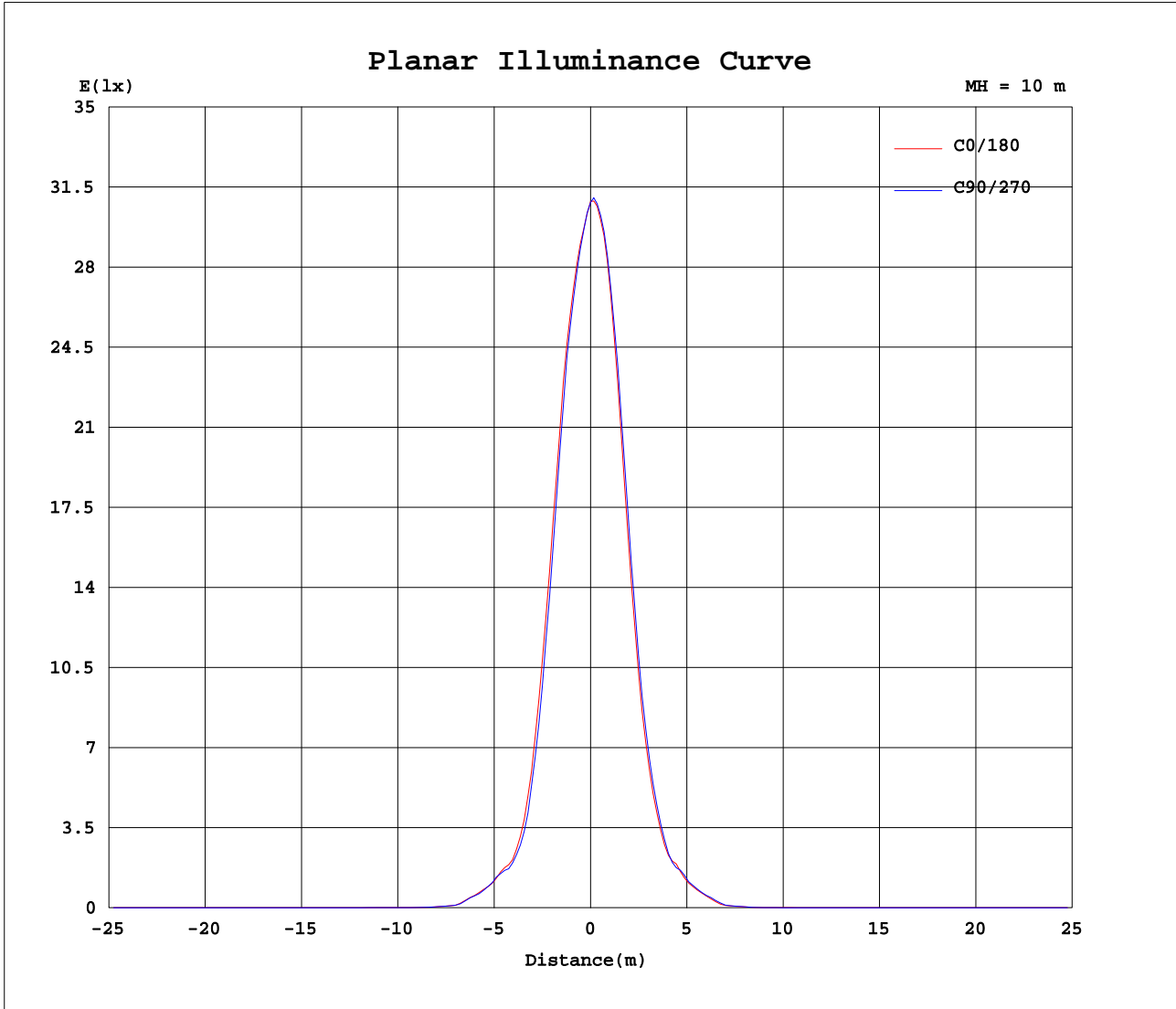
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Planar Illuminance Curve



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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	3087	3088	3085	3088	3083	3088	3084	3089	3097	3098	3097	3094	3087	3088	3085	3088	3083	3088	3084
5	2743	2744	2722	2724	2700	2716	2698	2724	2745	2789	2785	2830	2858	2859	2910	2897	2917	2886	2884
10	1974	1992	1957	1976	1933	1924	1872	1896	1883	1897	1883	1902	1938	1921	1969	1955	2003	2005	2037
15	1013	1016	974	978	948	949	897	908	905	927	908	920	955	942	980	969	999	1002	1028
20	376	370	356	351	337	340	331	344	367	383	377	394	410	413	434	438	452	433	443
25	211	204	206	207	199	209	202	203	210	218	216	213	214	205	214	211	225	219	221
30	104	103	99.1	99.9	97.7	97.6	96.4	97.2	94.7	97.2	94.1	95.6	99.4	99.1	101	104	104	101	104
35	20.6	22.4	22.2	23.0	21.6	21.8	21.1	20.7	19.7	20.0	19.5	19.2	19.7	20.0	20.7	20.4	20.6	20.0	21.4
40	6.15	6.28	6.50	6.77	6.59	6.51	6.32	6.14	5.47	5.48	5.22	4.74	5.10	5.00	5.94	5.75	6.06	5.58	5.66
45	2.16	2.27	2.35	2.39	2.41	2.36	2.31	2.23	2.02	1.95	1.93	1.90	1.99	1.91	1.84	1.75	1.65	1.60	1.62
50	2.21	2.29	2.37	2.44	2.44	2.34	2.24	2.08	1.87	1.79	1.76	1.74	1.84	1.82	1.71	1.62	1.51	1.49	1.51
55	1.95	2.00	2.06	2.07	1.97	1.83	1.67	1.52	1.35	1.29	1.24	1.19	1.27	1.29	1.31	1.25	1.21	1.20	1.25
60	1.23	1.26	1.28	1.26	1.13	1.01	0.89	0.79	0.71	0.67	0.62	0.56	0.60	0.62	0.69	0.70	0.70	0.71	0.75
65	0.56	0.56	0.60	0.58	0.52	0.44	0.40	0.35	0.33	0.29	0.28	0.23	0.23	0.26	0.29	0.32	0.31	0.33	0.34
70	0.23	0.23	0.28	0.26	0.26	0.21	0.21	0.18	0.18	0.15	0.16	0.12	0.11	0.14	0.15	0.17	0.15	0.17	0.16
75	0.13	0.13	0.16	0.15	0.16	0.13	0.13	0.11	0.12	0.10	0.11	0.07	0.07	0.10	0.09	0.11	0.09	0.10	0.09
80	0.09	0.08	0.12	0.09	0.10	0.07	0.08	0.06	0.08	0.06	0.07	0.04	0.03	0.07	0.06	0.07	0.05	0.07	0.05
85	0.06	0.07	0.07	0.05	0.06	0.03	0.04	0.03	0.05	0.03	0.04	0.03	0.02	0.04	0.03	0.04	0.03	0.04	0.03
90	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.02	0.02

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Cao Chengpei
Test Date:2016-06-24

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:220.1V I:0.0483A P:8.871W PF:0.8339 Lamp Flux:635.84x1 lm		
NAME: FF3-7W-840-24D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L98mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	3089	3097	3098	3097	3094													
5	2852	2815	2809	2817	2780													
10	2024	2069	2050	2070	2033													
15	1029	1072	1052	1067	1045													
20	437	429	422	428	398													
25	224	227	214	215	210													
30	107	112	112	109	108													
35	21.0	23.1	23.1	23.2	22.5													
40	5.54	6.14	6.28	6.87	6.22													
45	1.66	1.75	1.85	1.97	2.04													
50	1.58	1.68	1.80	1.91	2.01													
55	1.34	1.46	1.60	1.72	1.82													
60	0.83	0.92	1.04	1.14	1.19													
65	0.39	0.44	0.51	0.55	0.56													
70	0.19	0.20	0.24	0.24	0.24													
75	0.12	0.12	0.15	0.14	0.14													
80	0.08	0.07	0.10	0.09	0.10													
85	0.05	0.04	0.06	0.06	0.08													
90	0.03	0.03	0.04	0.04	0.06													

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Cao Chengpei
 Test Date:2016-06-24

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	3087	3088	3085	3088	3083	3088	3084	3089	3097	3098
3.0	2914	2910	2893	2895	2881	2897	2893	2911	2941	2961
6.0	2636	2633	2613	2627	2600	2607	2584	2607	2620	2658
9.0	2174	2192	2162	2173	2128	2117	2081	2102	2086	2115
12.0	1575	1586	1566	1565	1512	1511	1456	1473	1443	1482
15.0	1013	1016	974.5	977.8	948.1	948.7	897.2	908.2	905.0	927.4
18.0	569.7	549.9	543.7	522.1	494.8	497.9	482.7	500.0	519.4	537.7
21.0	315.9	310.5	299.6	297.2	285.3	288.7	286.4	293.5	307.4	318.8
24.0	230.9	228.4	239.4	236.2	243.9	236.8	214.9	236.4	241.8	244.6
27.0	152.4	152.2	152.9	155.7	155.0	156.6	156.0	156.5	152.3	153.9
30.0	103.6	102.8	99.11	99.94	97.67	97.57	96.43	97.15	94.68	97.15
33.0	55.42	61.36	56.03	66.04	54.10	58.91	52.29	56.49	51.12	50.52
36.0	17.04	17.77	19.02	19.81	18.79	18.27	17.53	17.87	16.97	17.41
39.0	9.079	9.679	9.769	10.45	9.459	9.694	9.035	8.971	8.247	8.454
42.0	3.407	3.565	3.577	3.691	3.643	3.658	3.480	3.397	3.043	2.936
45.0	2.162	2.268	2.353	2.390	2.406	2.356	2.312	2.226	2.025	1.951
48.0	2.175	2.277	2.336	2.429	2.432	2.377	2.292	2.175	1.962	1.870
51.0	2.209	2.275	2.367	2.411	2.399	2.283	2.163	2.006	1.795	1.718
54.0	2.048	2.106	2.172	2.193	2.106	1.974	1.817	1.660	1.480	1.420
57.0	1.695	1.739	1.772	1.775	1.642	1.507	1.344	1.215	1.079	1.028
60.0	1.229	1.255	1.278	1.260	1.131	1.011	0.8876	0.7914	0.7126	0.6659
63.0	0.7835	0.7955	0.8282	0.8041	0.7193	0.6253	0.5508	0.4849	0.4419	0.4020
66.0	0.4697	0.4680	0.5102	0.4872	0.4440	0.3766	0.3415	0.2958	0.2838	0.2469
69.0	0.2754	0.2723	0.3180	0.3022	0.2923	0.2405	0.2346	0.2000	0.2005	0.1681
72.0	0.1665	0.1618	0.2155	0.2043	0.2111	0.1682	0.1770	0.1468	0.1557	0.1298
75.0	0.1301	0.1256	0.1642	0.1511	0.1599	0.1277	0.1323	0.1064	0.1194	0.0980
78.0	0.1023	0.0979	0.1301	0.1149	0.1195	0.0936	0.1002	0.0766	0.0938	0.0681
81.0	0.0810	0.0767	0.1066	0.0830	0.0896	0.0617	0.0746	0.0532	0.0704	0.0532
84.0	0.0618	0.0724	0.0832	0.0617	0.0661	0.0362	0.0491	0.0319	0.0512	0.0320
87.0	0.0596	0.0575	0.0618	0.0426	0.0469	0.0320	0.0341	0.0256	0.0342	0.0298
90.0	0.0469	0.0533	0.0490	0.0447	0.0383	0.0320	0.0277	0.0256	0.0298	0.0298
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	3097	3094	3087	3088	3085	3088	3083	3088	3084	3089
3.0	2972	3002	3019	3033	3062	3053	3052	3035	3038	3005
6.0	2660	2690	2722	2730	2775	2768	2782	2759	2756	2733
9.0	2096	2123	2166	2148	2187	2176	2220	2220	2246	2228
12.0	1450	1475	1516	1489	1525	1527	1565	1569	1607	1604
15.0	907.6	920.2	954.5	941.7	980.0	969.1	999.4	1002	1028	1029
18.0	544.1	555.0	581.9	586.9	605.2	613.7	626.9	619.2	632.0	624.6
21.0	314.6	327.3	340.2	338.6	357.5	356.1	369.3	355.0	368.2	358.9
24.0	259.8	250.2	251.8	242.7	259.9	259.9	250.8	257.6	230.1	255.2
27.0	152.0	150.8	152.9	149.9	154.6	153.2	154.5	156.1	161.7	160.4
30.0	94.07	95.58	99.42	99.15	100.7	103.6	104.2	100.9	104.0	107.3
33.0	49.10	45.09	45.61	46.74	55.42	49.35	53.77	51.27	55.07	56.05
36.0	16.84	16.09	16.48	16.64	17.45	17.30	17.49	16.95	17.22	17.50
39.0	7.785	7.572	8.444	8.175	9.561	8.861	9.209	8.260	8.924	8.736
42.0	2.740	2.691	2.763	2.755	2.800	2.724	2.704	2.653	2.673	2.740
45.0	1.927	1.896	1.985	1.914	1.840	1.746	1.646	1.599	1.616	1.656
48.0	1.856	1.834	1.936	1.855	1.768	1.642	1.542	1.497	1.517	1.570
51.0	1.690	1.667	1.767	1.745	1.661	1.575	1.478	1.460	1.480	1.570
54.0	1.371	1.337	1.421	1.428	1.420	1.353	1.294	1.287	1.324	1.417
57.0	0.9728	0.9106	0.9741	1.002	1.059	1.032	1.009	1.013	1.064	1.151
60.0	0.6210	0.5573	0.5953	0.6208	0.6932	0.7037	0.6955	0.7080	0.7466	0.8252
63.0	0.3821	0.3254	0.3359	0.3670	0.4145	0.4374	0.4316	0.4481	0.4784	0.5398
66.0	0.2412	0.1936	0.1829	0.2197	0.2467	0.2731	0.2659	0.2795	0.2871	0.3392
69.0	0.1749	0.1319	0.1255	0.1535	0.1617	0.1855	0.1702	0.1876	0.1808	0.2217
72.0	0.1386	0.0980	0.0915	0.1194	0.1213	0.1428	0.1255	0.1386	0.1255	0.1557
75.0	0.1067	0.0745	0.0660	0.0959	0.0915	0.1087	0.0915	0.1044	0.0893	0.1173
78.0	0.0874	0.0638	0.0404	0.0767	0.0681	0.0832	0.0639	0.0789	0.0639	0.0938
81.0	0.0703	0.0425	0.0255	0.0597	0.0468	0.0661	0.0426	0.0618	0.0425	0.0704
84.0	0.0512	0.0320	0.0170	0.0448	0.0320	0.0511	0.0298	0.0427	0.0277	0.0533
87.0	0.0363	0.0320	0.0170	0.0341	0.0256	0.0320	0.0213	0.0277	0.0192	0.0363
90.0	0.0320	0.0320	0.0170	0.0277	0.0277	0.0234	0.0213	0.0213	0.0192	0.0277
G/C	300.0	315.0	330.0	345.0						
0.0	3097	3098	3097	3094						
3.0	2980	2966	2972	2942						
6.0	2717	2702	2709	2673						
9.0	2271	2243	2279	2233						
12.0	1649	1635	1660	1637						
15.0	1072	1052	1067	1045						
18.0	630.1	625.1	619.1	601.1						
21.0	356.1	349.3	354.2	330.1						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Cao Chengpei
 Test Date: 2016-06-24

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	242.9	247.3	236.4	237.3
27.0	161.8	161.7	160.8	157.6
30.0	111.7	111.7	108.8	107.6
33.0	64.17	59.55	63.64	56.44
36.0	18.35	18.41	18.47	17.34
39.0	9.805	10.01	10.41	9.681
42.0	2.966	3.055	3.287	3.313
45.0	1.748	1.850	1.967	2.038
48.0	1.677	1.764	1.886	1.972
51.0	1.666	1.800	1.906	2.013
54.0	1.535	1.677	1.799	1.903
57.0	1.268	1.403	1.524	1.605
60.0	0.9232	1.036	1.140	1.185
63.0	0.6060	0.6890	0.7570	0.7745
66.0	0.3701	0.4331	0.4700	0.4715
69.0	0.2318	0.2773	0.2850	0.2858
72.0	0.1575	0.1920	0.1893	0.1813
75.0	0.1170	0.1492	0.1384	0.1365
78.0	0.0830	0.1172	0.1022	0.1151
81.0	0.0681	0.0938	0.0830	0.0959
84.0	0.0425	0.0683	0.0618	0.0831
87.0	0.0362	0.0533	0.0426	0.0640
90.0	0.0341	0.0426	0.0426	0.0554

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Cao Chengpei
 Test Date: 2016-06-24

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: