

LED Downlight FUSION Series FF10-22W-840-40D Specular



Light Output Ratio:	100.0%	
Luminaire Power:	25.37 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.65	fine grid method.

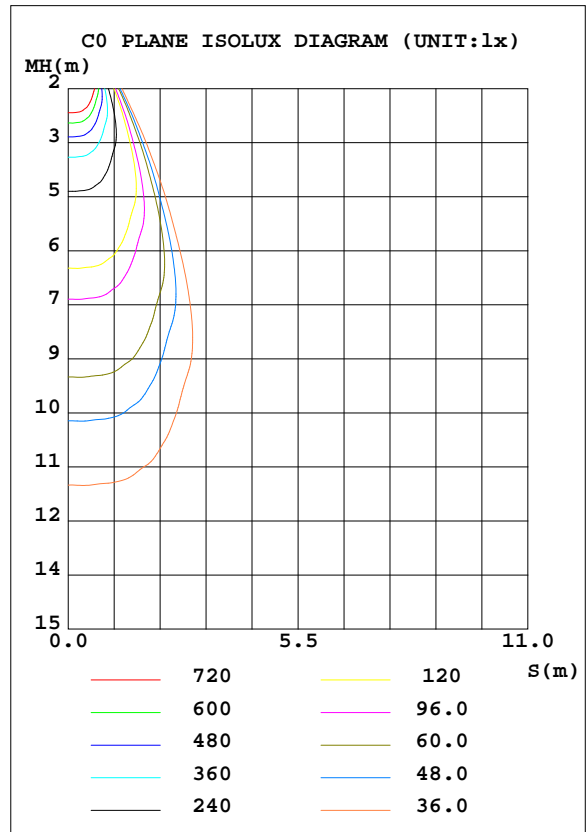
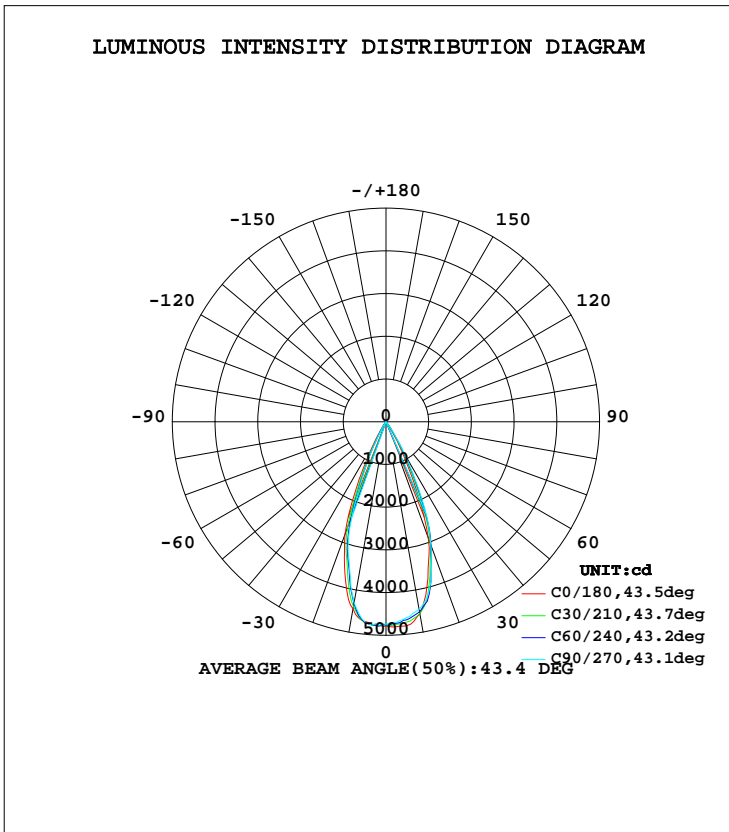
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-06-11

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:0.1192A P:25.37W PF:0.9645 Lamp Flux:2255.22x1 lm		
NAME: FF10-22W-840-40D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L290mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 88.91 lm/W
MODEL	CREE-4000K	I _{max} (cd)	4806	S/MH(C0/180)	0.65	
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	0.59	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2255.2	η UP, DN(C0-180)	0.0, 55.0	
NOMINAL FLUX(lm)	2255.22	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 45.0	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	0.65	



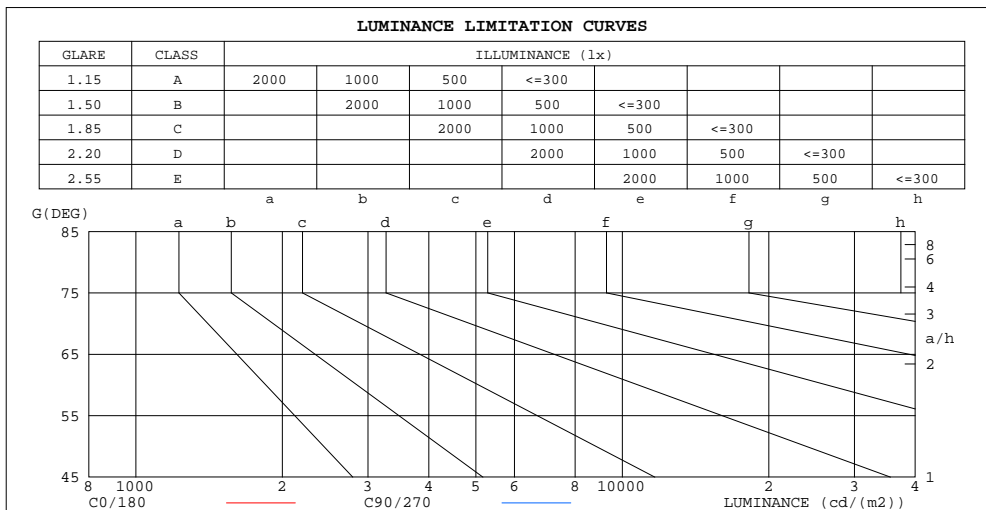
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**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	4569	4563	4460	4439	4446	4332	4303	4352	0- 10	440.7	440.7	19.5,19.5
20	2900	3096	3082	2966	2819	2436	2301	2477	10- 20	1014	1454	64.5,64.5
30	526.5	775.9	854.4	727.4	502.7	313.8	268.3	326.8	20- 30	680.3	2135	94.7,94.7
40	30.73	50.59	59.33	49.59	31.80	19.12	15.54	18.75	30- 40	110.6	2245	99.6,99.6
50	1.496	1.742	2.046	1.943	1.729	1.555	1.421	1.391	40- 50	7.028	2252	99.9,99.9
60	1.039	1.176	1.356	1.270	1.160	1.050	0.9681	0.9536	50- 60	1.233	2254	99.9,99.9
70	0.6520	0.7343	0.8488	0.7693	0.7058	0.6583	0.6118	0.6103	60- 70	0.8883	2254	100,100
80	0.3458	0.3910	0.4792	0.4173	0.3429	0.3129	0.2752	0.2998	70- 80	0.5546	2255	100,100
90	0.1115	0.1312	0.1509	0.1377	0.0743	0.0853	0.0809	0.0853	80- 90	0.2300	2255	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	183	268
80	153	211
75	148	194
70	146	190
65	150	197
60	159	208
55	167	222
50	178	244
45	375	1254

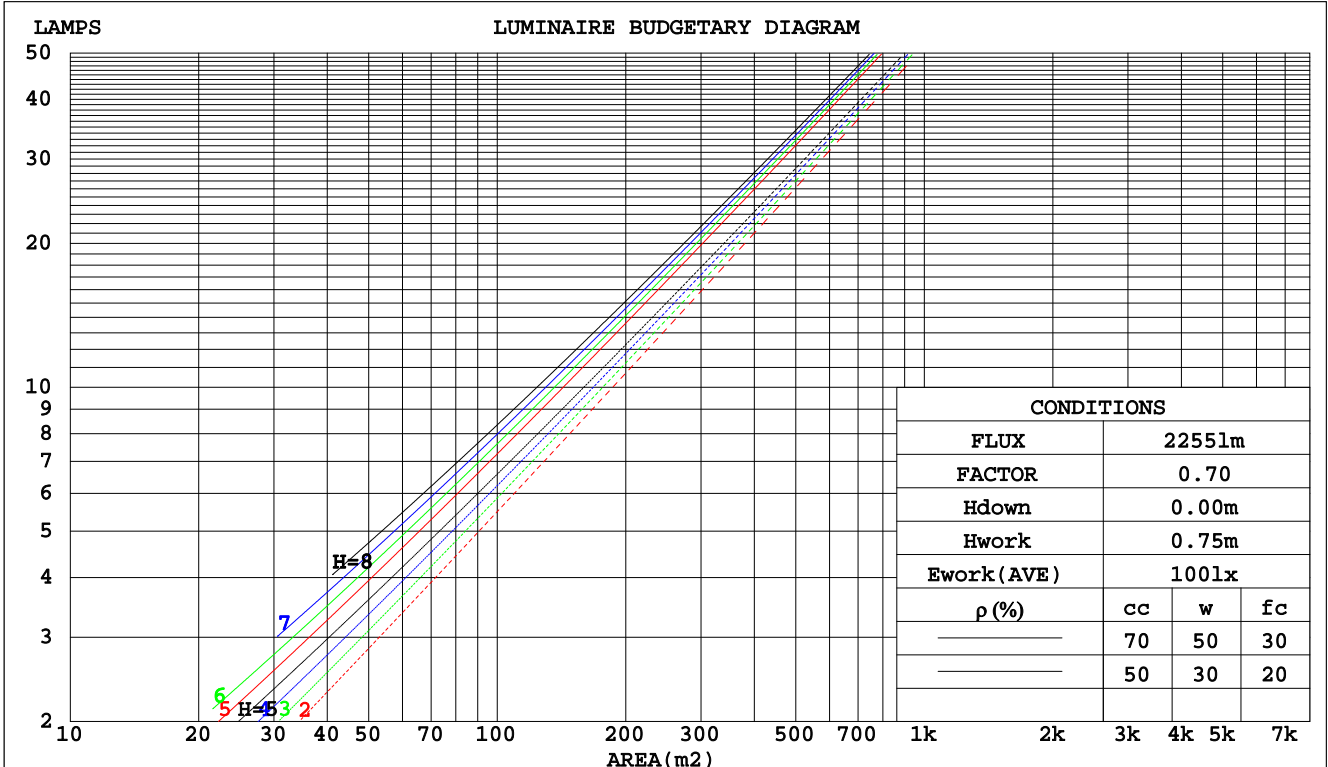
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Humidity:52%
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.7V I:0.1192A P:25.37W PF:0.9645 Lamp Flux:2255.22x1 lm		
NAME: FF10-22W-840-40D Specular	TYPE:Downlight	SERIAL No.:
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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	.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	.99	.96	.93	.97	.94	.91	.95	.92	.90	.93	.90	.89	.87
4.0	.96	.92	.88	.95	.91	.88	.93	.89	.87	.91	.88	.86	.89	.87	.85	.83
5.0	.92	.87	.84	.91	.86	.83	.89	.85	.82	.88	.84	.82	.86	.83	.81	.80
6.0	.88	.83	.79	.87	.82	.79	.86	.82	.79	.84	.81	.78	.83	.80	.78	.76
7.0	.84	.79	.76	.83	.79	.76	.82	.78	.75	.81	.78	.75	.80	.77	.74	.73
8.0	.81	.76	.72	.80	.75	.72	.79	.75	.72	.78	.74	.72	.77	.74	.71	.70
9.0	.77	.73	.69	.77	.72	.69	.76	.72	.69	.75	.72	.69	.75	.71	.69	.68
10.0	.74	.70	.67	.74	.70	.67	.73	.69	.66	.73	.69	.66	.72	.69	.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	.150	.085	.027	.143	.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	.128	.068	.021	.119	.065	.020	.111	.061	.019	.104	.057	.018	
4.0	.125	.065	.019	.121	.063	.019	.114	.060	.018	.107	.057	.017	.101	.055	.017	
5.0	.119	.061	.018	.115	.059	.017	.109	.057	.017	.103	.054	.016	.098	.052	.016	
6.0	.113	.057	.016	.110	.056	.016	.105	.054	.016	.100	.052	.015	.095	.050	.015	
7.0	.108	.054	.015	.106	.053	.015	.101	.051	.015	.096	.049	.014	.092	.048	.014	
8.0	.104	.051	.014	.101	.050	.014	.097	.049	.014	.093	.047	.014	.089	.046	.013	
9.0	.100	.048	.013	.098	.048	.013	.094	.046	.013	.090	.045	.013	.087	.044	.013	
10.0	.096	.046	.013	.094	.045	.013	.091	.044	.013	.087	.043	.012	.084	.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	.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	.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	.057	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.090	.057	.034	.077	.049	.030	.054	.034	.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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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	8.2	8.9	8.4	9.1	9.2	11.0	11.7	11.2	11.9	12.0
3H	8.0	8.7	8.3	8.9	9.1	10.8	11.5	11.1	11.7	11.9
4H	7.9	8.6	8.2	8.8	9.0	10.7	11.4	11.0	11.6	11.8
6H	7.9	8.5	8.1	8.7	9.0	10.7	11.3	11.0	11.5	11.8
8H	7.8	8.4	8.1	8.7	8.9	10.6	11.2	10.9	11.5	11.7
12H	7.8	8.3	8.1	8.6	8.9	10.6	11.2	10.9	11.4	11.7
4H 2H	7.9	8.6	8.2	8.8	9.0	10.7	11.4	11.0	11.6	11.8
3H	7.8	8.3	8.1	8.6	8.9	10.6	11.1	10.9	11.4	11.7
4H	7.7	8.2	8.0	8.5	8.8	10.5	11.0	10.8	11.3	11.6
6H	7.6	8.0	8.0	8.4	8.7	10.4	10.8	10.8	11.2	11.5
8H	7.5	8.0	7.9	8.3	8.7	10.3	10.8	10.7	11.1	11.5
12H	7.5	7.9	7.9	8.2	8.6	10.3	10.7	10.7	11.0	11.4
8H 4H	7.5	8.0	7.9	8.3	8.7	10.3	10.8	10.7	11.1	11.5
6H	7.4	7.8	7.9	8.2	8.6	10.2	10.6	10.7	11.0	11.4
8H	7.4	7.7	7.8	8.1	8.5	10.2	10.5	10.6	10.9	11.3
12H	7.3	7.6	7.8	8.0	8.5	10.1	10.4	10.6	10.8	11.3
12H 4H	7.5	7.9	7.9	8.2	8.6	10.3	10.7	10.7	11.0	11.4
6H	7.4	7.7	7.8	8.1	8.5	10.2	10.5	10.6	10.9	11.3
8H	7.3	7.6	7.8	8.0	8.5	10.1	10.4	10.6	10.8	11.3
Variations with the observer position at spacings:										
S = 1.0H	+ 3.5 / -10.6					+ 4.7 / -12.2				
1.5H	+ 6.3 / -10.4					+ 7.4 / -12.0				
2.0H	+ 1.5 / - 0.5					+ 6.0 / - 1.5				

CIE Pub.117 Corrected 2255 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.8)

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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	86	82	90	85	82	79
0.80	98	93	90	98	93	90	96	92	89	86
1.00	102	97	94	101	97	93	100	96	93	89
1.25	105	101	98	104	100	97	103	99	97	93
1.50	108	104	101	107	103	100	104	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	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

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ISOCANDELA DIAGRAM

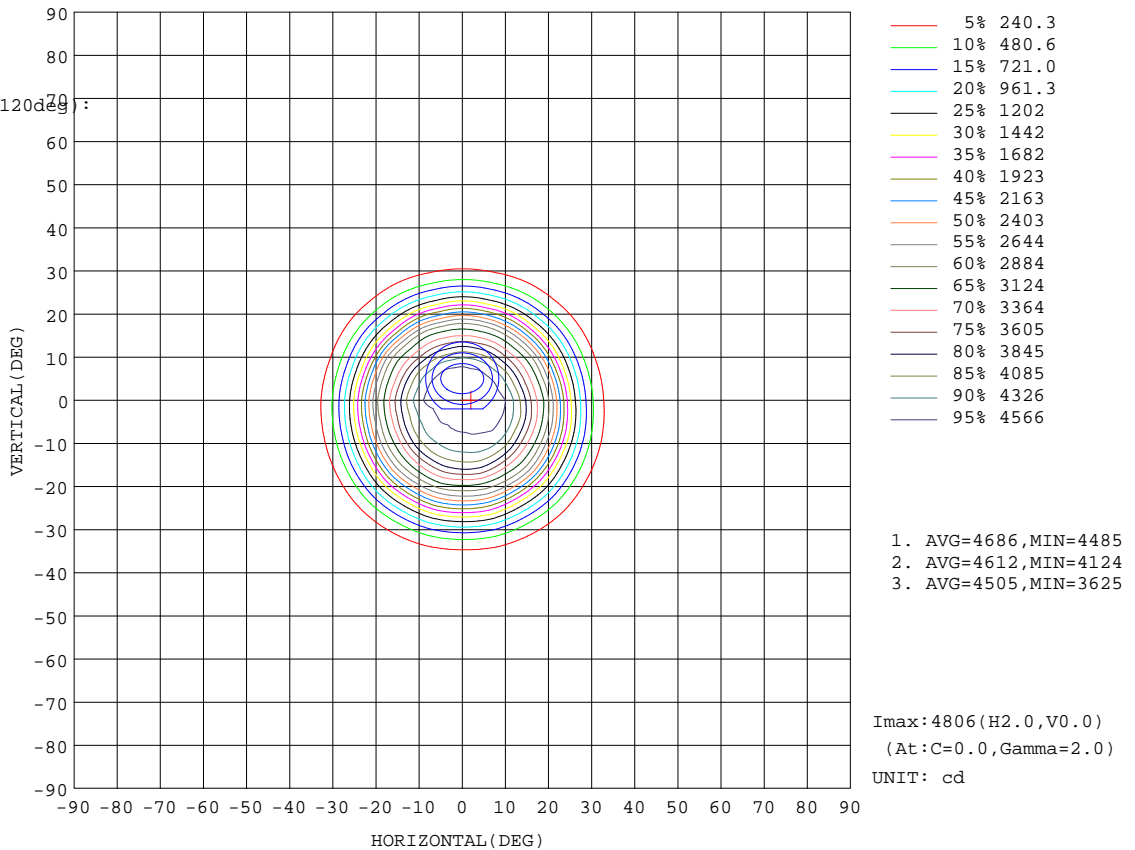
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Conical surface Flux(90deg):

2251.3 lm
%lum = 99.8%
%lamp = 99.8%

Conical surface Flux(120deg):

2253.5 lm
%lum = 99.9%
%lamp = 99.9%



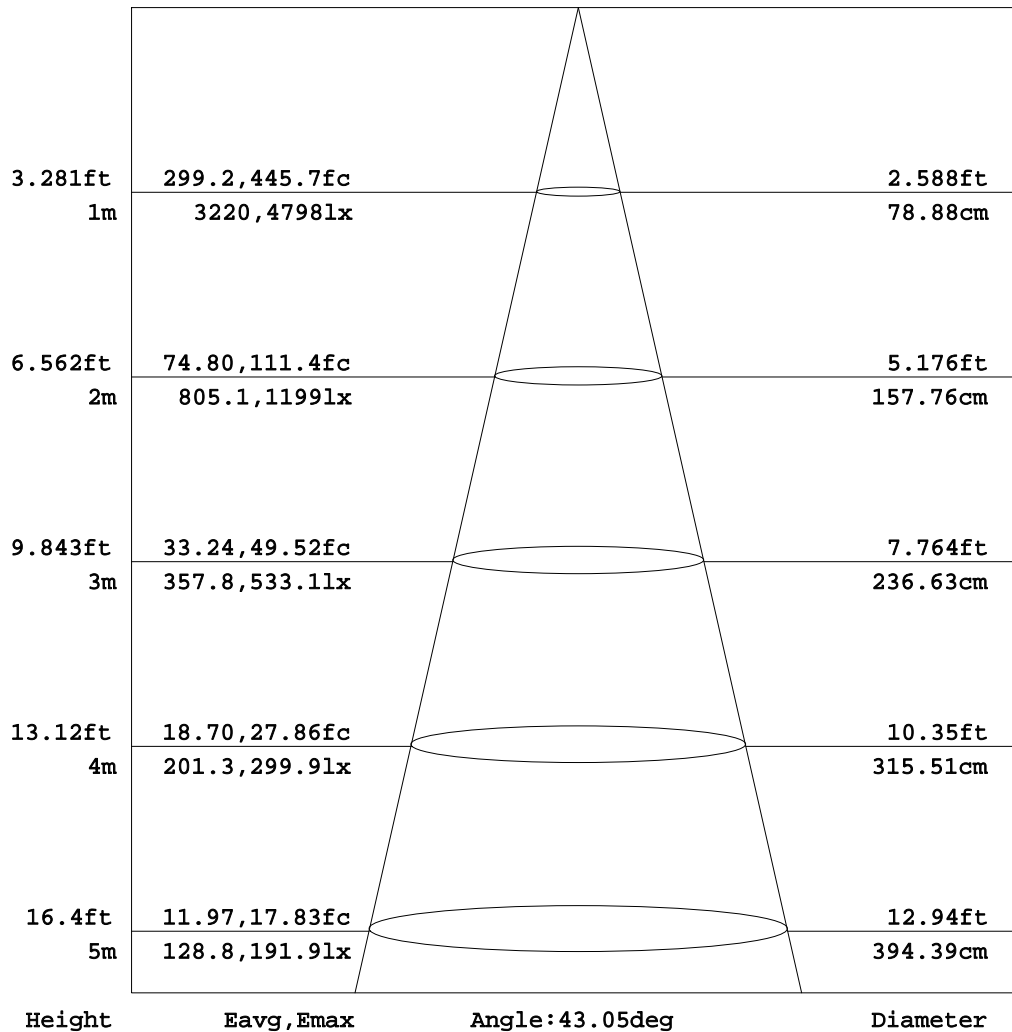
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AAI Figure

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Flux out:1652 lm



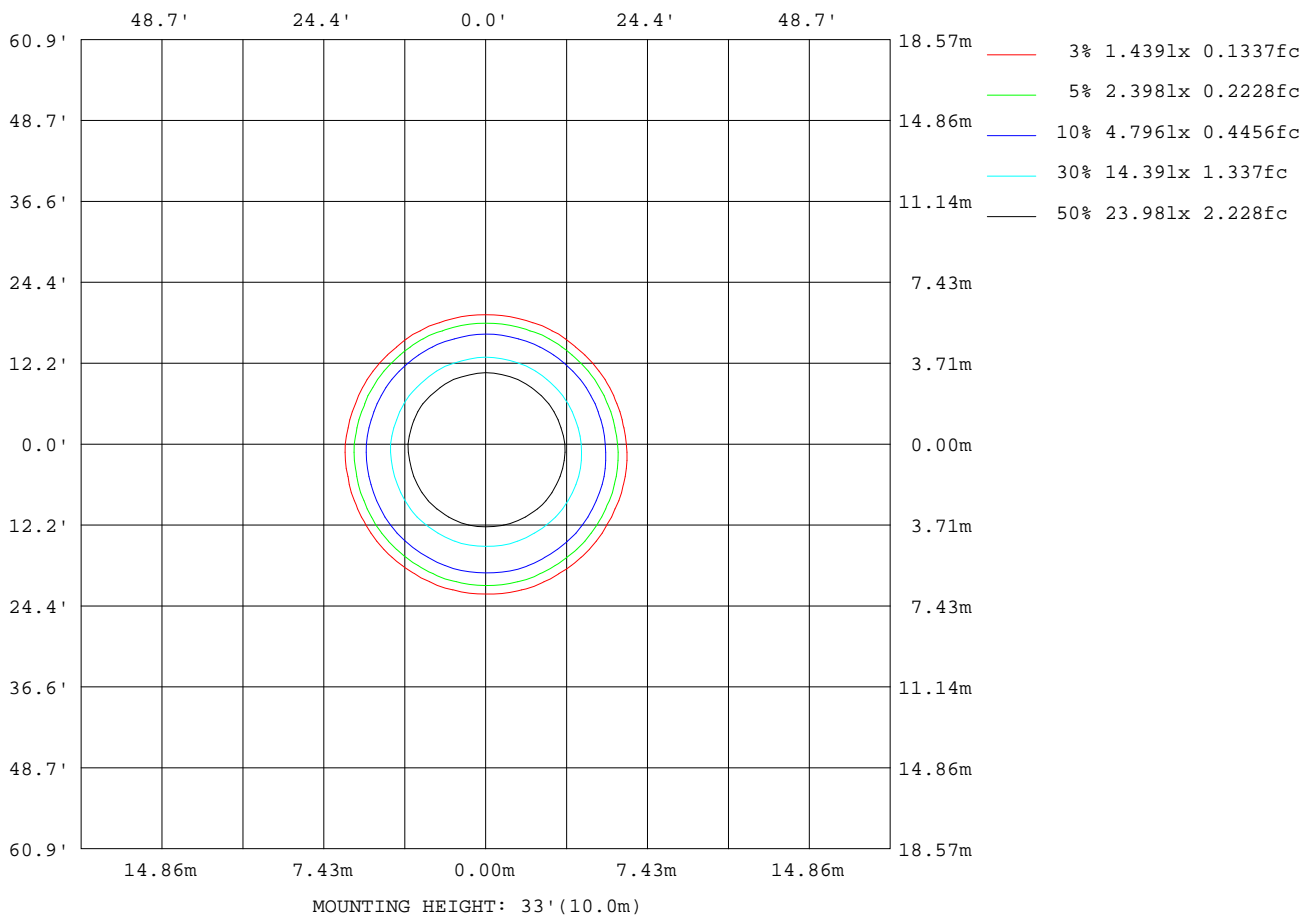
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

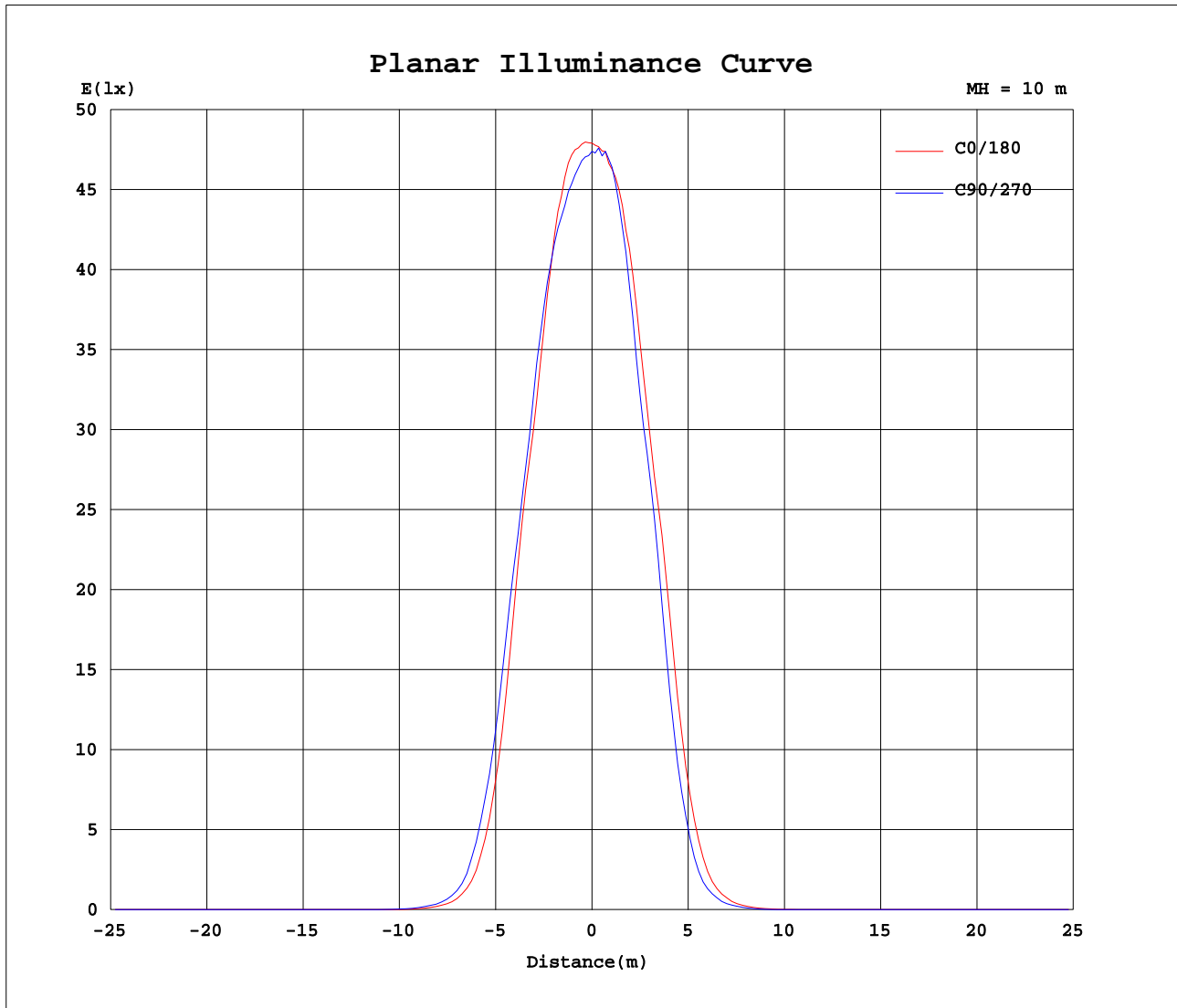
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Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.1192A P:25.37W PF:0.9645 Lamp Flux:2255.22x1 lm		
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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	4790	4783	4776	4764	4762	4748	4739	4712	4707	4702	4704	4701	4790	4783	4776	4764	4762	4748	4739
5	4804	4754	4720	4698	4666	4664	4645	4611	4622	4618	4610	4633	4717	4741	4750	4747	4745	4747	4744
10	4569	4563	4558	4563	4520	4490	4460	4431	4445	4439	4406	4400	4446	4403	4391	4332	4326	4262	4303
15	3791	3885	3916	4000	4010	4029	3988	3976	3914	3873	3787	3718	3711	3593	3506	3414	3414	3363	3355
20	2900	2983	3018	3096	3077	3108	3082	3097	3002	2966	2904	2806	2819	2671	2637	2436	2386	2268	2301
25	1489	1672	1780	1876	1916	1985	1976	1968	1879	1812	1656	1558	1483	1301	1205	1091	1034	968	987
30	527	613	685	776	801	864	854	839	767	727	633	558	503	411	364	314	296	264	268
35	128	161	176	201	214	229	219	218	199	185	163	147	135	106	94.7	82.5	74.8	71.5	68.6
40	30.7	37.9	42.8	50.6	54.4	58.6	59.3	57.5	53.5	49.6	41.8	36.0	31.8	25.4	22.5	19.1	17.5	15.4	15.5
45	3.46	4.97	6.08	8.18	9.48	12.0	11.6	11.8	10.2	9.23	6.84	5.48	4.41	3.18	2.62	2.07	1.89	1.75	1.70
50	1.50	1.58	1.66	1.74	1.86	1.96	2.05	2.04	2.02	1.94	1.87	1.77	1.73	1.70	1.61	1.56	1.49	1.47	1.42
55	1.25	1.31	1.38	1.44	1.53	1.60	1.66	1.66	1.64	1.57	1.52	1.45	1.42	1.41	1.33	1.29	1.23	1.22	1.18
60	1.04	1.09	1.14	1.18	1.25	1.30	1.36	1.34	1.33	1.27	1.23	1.18	1.16	1.15	1.08	1.05	1.00	1.00	0.97
65	0.82	0.86	0.91	0.94	1.00	1.03	1.09	1.07	1.06	1.00	0.98	0.92	0.91	0.90	0.84	0.83	0.80	0.80	0.77
70	0.65	0.67	0.72	0.73	0.79	0.81	0.85	0.82	0.82	0.77	0.76	0.71	0.71	0.70	0.66	0.66	0.62	0.64	0.61
75	0.50	0.50	0.54	0.56	0.61	0.62	0.66	0.63	0.63	0.58	0.57	0.53	0.52	0.52	0.48	0.47	0.45	0.47	0.45
80	0.35	0.34	0.38	0.39	0.44	0.45	0.48	0.45	0.46	0.42	0.40	0.35	0.34	0.34	0.31	0.31	0.28	0.30	0.28
85	0.21	0.20	0.24	0.24	0.27	0.27	0.30	0.28	0.29	0.25	0.26	0.22	0.19	0.19	0.15	0.16	0.13	0.15	0.13
90	0.11	0.11	0.13	0.13	0.14	0.14	0.15	0.14	0.14	0.14	0.13	0.12	0.07	0.08	0.08	0.09	0.08	0.08	0.08

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:0.1192A P:25.37W PF:0.9645 Lamp Flux:2255.22x1 lm		
NAME: FF10-22W-840-40D Specular	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L290mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: cd

C(DEG) \ γ (DEG)	285	300	315	330	345														
0	4712	4707	4702	4704	4701														
5	4720	4718	4724	4741	4721														
10	4313	4323	4352	4434	4438														
15	3375	3412	3443	3538	3624														
20	2316	2385	2477	2620	2748														
25	987	1053	1114	1244	1342														
30	268	303	327	382	438														
35	68.5	75.9	82.0	95.6	109														
40	15.4	17.2	18.8	22.0	25.8														
45	1.69	1.70	1.75	2.12	2.63														
50	1.41	1.37	1.39	1.38	1.43														
55	1.18	1.14	1.16	1.15	1.20														
60	0.97	0.93	0.95	0.95	1.00														
65	0.78	0.74	0.77	0.76	0.80														
70	0.62	0.59	0.61	0.60	0.63														
75	0.47	0.44	0.47	0.45	0.48														
80	0.29	0.27	0.30	0.29	0.33														
85	0.14	0.13	0.16	0.15	0.18														
90	0.08	0.08	0.09	0.08	0.08														

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	4790	4783	4776	4764	4762	4748	4739	4712	4707	4702
3.0	4803	4762	4748	4739	4725	4703	4701	4685	4650	4654
6.0	4795	4756	4713	4681	4662	4629	4612	4583	4574	4591
9.0	4628	4649	4614	4596	4556	4534	4494	4488	4487	4493
12.0	4302	4347	4393	4399	4370	4355	4326	4315	4286	4256
15.0	3791	3885	3916	4000	4010	4029	3988	3976	3914	3873
18.0	3263	3331	3363	3407	3445	3494	3437	3450	3374	3296
21.0	2652	2770	2828	2925	2911	2918	2882	2895	2828	2792
24.0	1775	1946	2073	2183	2199	2267	2240	2231	2137	2087
27.0	1039	1173	1259	1384	1403	1494	1460	1467	1371	1307
30.0	526.5	612.5	685.2	775.9	800.8	863.5	854.4	839.3	767.2	727.4
33.0	226.3	269.1	294.2	338.0	363.5	398.2	383.6	382.1	343.0	313.2
36.0	93.55	114.6	130.4	156.6	161.5	176.7	168.1	166.0	150.3	145.1
39.0	42.19	50.67	58.21	65.30	69.24	74.96	73.93	73.29	68.02	63.23
42.0	15.87	19.73	22.24	26.78	29.05	32.74	32.39	32.82	29.28	26.54
45.0	3.458	4.971	6.083	8.177	9.475	11.96	11.57	11.84	10.20	9.228
48.0	1.621	1.722	1.824	2.055	2.273	2.703	2.685	2.782	2.543	2.369
51.0	1.435	1.521	1.599	1.676	1.785	1.884	1.971	1.960	1.936	1.864
54.0	1.295	1.360	1.428	1.491	1.586	1.670	1.735	1.729	1.706	1.644
57.0	1.164	1.217	1.277	1.327	1.415	1.471	1.531	1.521	1.509	1.451
60.0	1.039	1.086	1.137	1.176	1.249	1.300	1.356	1.342	1.330	1.270
63.0	0.9057	0.9463	1.002	1.036	1.103	1.141	1.190	1.176	1.168	1.112
66.0	0.7940	0.8152	0.8642	0.9004	0.9582	0.9857	1.030	1.021	1.009	0.9551
69.0	0.6891	0.7037	0.7525	0.7693	0.8269	0.8502	0.8904	0.8720	0.8620	0.8195
72.0	0.5929	0.5988	0.6432	0.6578	0.7176	0.7300	0.7657	0.7431	0.7373	0.6949
75.0	0.5011	0.5027	0.5448	0.5573	0.6126	0.6229	0.6564	0.6273	0.6280	0.5792
78.0	0.4136	0.4130	0.4486	0.4524	0.5076	0.5158	0.5492	0.5179	0.5207	0.4786
81.0	0.3173	0.3124	0.3458	0.3517	0.4027	0.4130	0.4464	0.4238	0.4245	0.3779
84.0	0.2321	0.2250	0.2627	0.2600	0.3021	0.3036	0.3328	0.3080	0.3131	0.2774
87.0	0.1468	0.1420	0.1776	0.1769	0.2190	0.2140	0.2430	0.2162	0.2321	0.1965
90.0	0.1115	0.1115	0.1334	0.1312	0.1399	0.1377	0.1509	0.1443	0.1443	0.1377
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	4704	4701	4790	4783	4764	4762	4748	4739	4712	4702
3.0	4645	4652	4761	4741	4751	4760	4772	4755	4730	4726
6.0	4584	4606	4703	4717	4734	4710	4733	4710	4715	4689
9.0	4472	4469	4566	4510	4497	4466	4459	4432	4427	4423
12.0	4218	4176	4245	4135	4100	4015	3982	3900	3960	3951
15.0	3787	3718	3711	3593	3506	3414	3414	3363	3355	3375
18.0	3222	3169	3149	3068	3037	2934	2908	2824	2844	2858
21.0	2711	2599	2578	2422	2345	2128	2091	1969	2009	2007
24.0	1937	1811	1738	1551	1455	1300	1252	1169	1199	1198
27.0	1174	1089	1015	878.1	817.6	711.6	670.5	627.3	627.9	639.9
30.0	633.1	558.0	502.7	410.6	363.7	313.8	295.7	264.5	268.3	268.1
33.0	269.9	245.5	224.2	186.4	170.0	143.5	139.1	117.6	126.6	120.1
36.0	121.1	107.2	97.17	81.34	72.30	65.60	58.31	53.10	53.82	53.88
39.0	54.40	47.53	43.18	35.28	30.80	26.06	24.11	21.16	21.55	21.31
42.0	22.05	19.31	16.52	13.23	11.06	7.865	6.646	5.347	5.420	5.357
45.0	6.845	5.480	4.408	3.180	2.625	2.072	1.887	1.754	1.705	1.692
48.0	2.070	1.936	1.871	1.833	1.735	1.691	1.609	1.568	1.525	1.513
51.0	1.792	1.698	1.661	1.638	1.549	1.503	1.436	1.409	1.368	1.358
54.0	1.584	1.513	1.480	1.468	1.386	1.345	1.285	1.266	1.230	1.223
57.0	1.409	1.344	1.311	1.308	1.230	1.196	1.143	1.126	1.091	1.094
60.0	1.234	1.178	1.160	1.150	1.079	1.050	1.003	0.9973	0.9681	0.9689
63.0	1.083	1.018	1.003	0.9975	0.9309	0.9122	0.8676	0.8706	0.8479	0.8509
66.0	0.9298	0.8742	0.8632	0.8575	0.7955	0.7918	0.7605	0.7655	0.7365	0.7437
69.0	0.7963	0.7453	0.7387	0.7415	0.6862	0.6846	0.6577	0.6693	0.6446	0.6540
72.0	0.6826	0.6359	0.6336	0.6323	0.5812	0.5798	0.5527	0.5645	0.5462	0.5578
75.0	0.5711	0.5289	0.5222	0.5164	0.4763	0.4748	0.4479	0.4660	0.4522	0.4703
78.0	0.4748	0.4283	0.4172	0.4113	0.3691	0.3742	0.3473	0.3589	0.3429	0.3655
81.0	0.3699	0.3233	0.3080	0.3107	0.2730	0.2845	0.2555	0.2692	0.2468	0.2648
84.0	0.2802	0.2403	0.2205	0.2276	0.1941	0.1949	0.1679	0.1775	0.1635	0.1818
87.0	0.1906	0.1507	0.1178	0.1271	0.0960	0.1096	0.0809	0.0943	0.0809	0.0964
90.0	0.1334	0.1159	0.0743	0.0787	0.0787	0.0853	0.0831	0.0809	0.0809	0.0831
G/C	300.0	315.0	330.0	345.0						
0.0	4707	4702	4704	4701						
3.0	4717	4720	4734	4716						
6.0	4706	4711	4715	4704						
9.0	4455	4461	4527	4534						
12.0	4006	4009	4121	4171						
15.0	3412	3443	3538	3624						
18.0	2890	2951	3050	3132						
21.0	2101	2183	2346	2474						

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	1282	1336	1496	1596
27.0	688.3	738.6	845.8	925.1
30.0	303.3	326.8	382.1	438.3
33.0	140.5	146.3	173.9	193.4
36.0	58.88	66.14	72.30	80.90
39.0	24.13	26.02	31.22	36.56
42.0	6.469	7.646	10.46	12.69
45.0	1.700	1.754	2.122	2.628
48.0	1.484	1.496	1.491	1.538
51.0	1.329	1.343	1.333	1.378
54.0	1.189	1.203	1.195	1.249
57.0	1.060	1.076	1.069	1.122
60.0	0.9331	0.9536	0.9484	0.9973
63.0	0.8237	0.8399	0.8261	0.8706
66.0	0.7124	0.7371	0.7233	0.7656
69.0	0.6271	0.6452	0.6250	0.6628
72.0	0.5331	0.5534	0.5332	0.5732
75.0	0.4436	0.4703	0.4501	0.4813
78.0	0.3428	0.3698	0.3582	0.3917
81.0	0.2446	0.2713	0.2576	0.2976
84.0	0.1657	0.1905	0.1811	0.2102
87.0	0.0831	0.1095	0.0917	0.1248
90.0	0.0831	0.0853	0.0831	0.0809

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: