

LED Tracklight FOCUS S-15W-940-12D



Light Output Ratio:	100.0%	
Luminaire Power:	15.51 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	fine grid method.

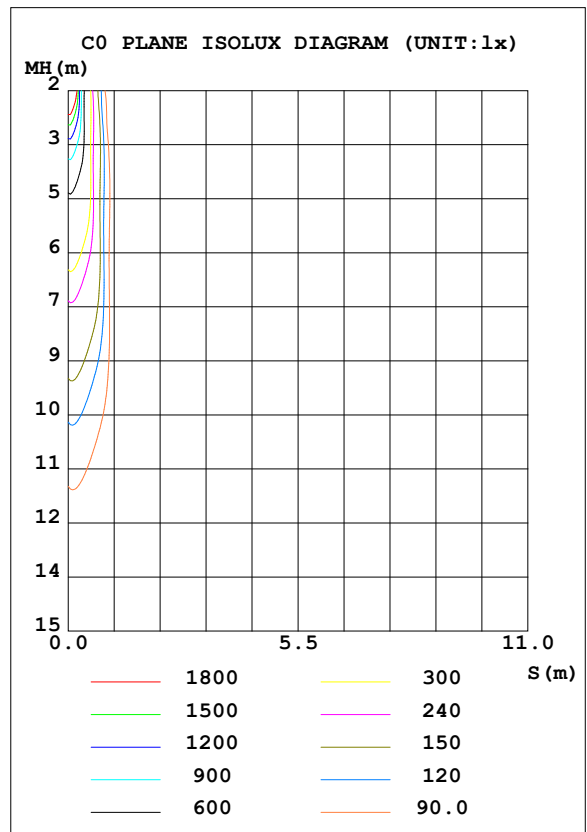
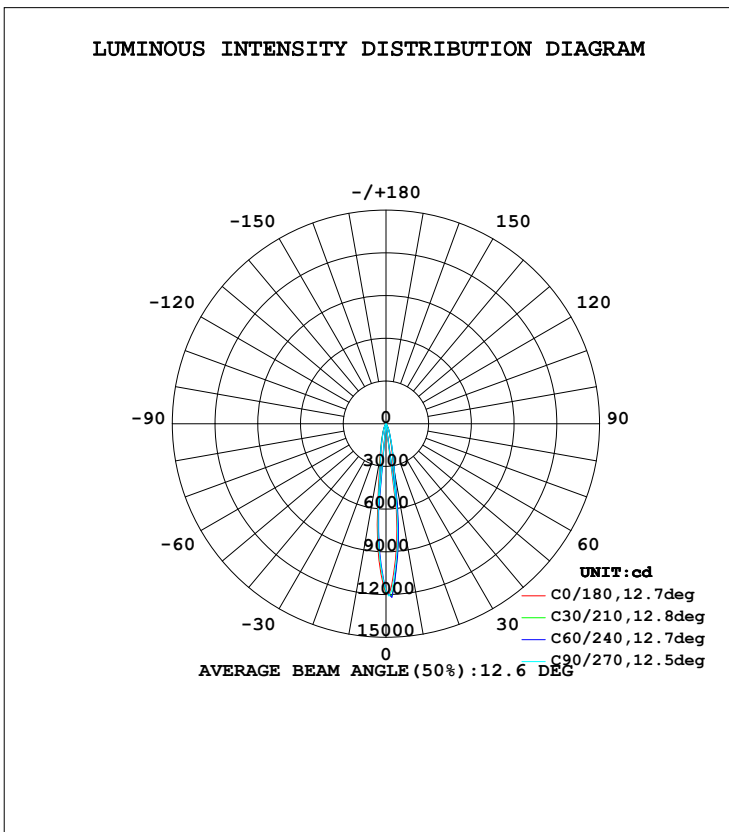
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2017-07-28

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:0.0755A P:15.51W PF:0.9303 Lamp Flux:1201.8x1 lm		
NAME: FOCUS S-15W-940-12D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ70mm*H138mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 77.50 lm/W			
MODEL	CITIZEN-4000K	I _{max} (cd)	12392	S/MH (C0/180)	0.20
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	0.19
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1201.8	η UP, DN (C0-180)	0.0, 54.3
NOMINAL FLUX (lm)	1201.8	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 45.7
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



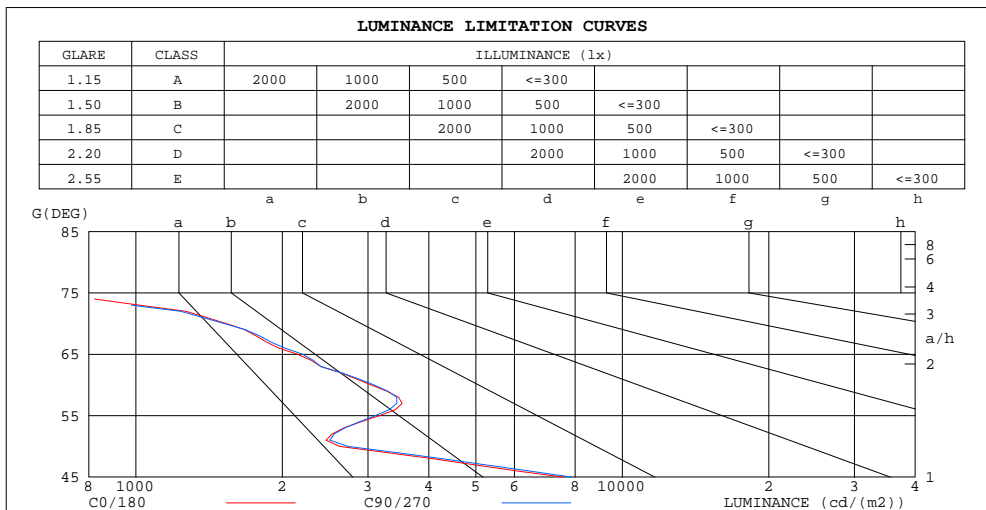
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**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	293.1	353.6	334.3	263.4	250.6	216.2	220.9	277.2	0- 10	560.2	560.2	46.6,46.6
20	69.02	78.74	75.63	64.68	63.46	58.10	58.10	67.64	10- 20	374.7	934.9	77.8,77.8
30	21.55	24.16	23.39	19.59	19.17	16.77	17.40	20.92	20- 30	179.7	1115	92.7,92.7
40	4.439	5.061	4.761	3.662	3.512	2.886	3.202	4.165	30- 40	63.01	1178	98,98
50	0.6487	0.7666	0.6747	0.5975	0.6040	0.5953	0.5992	0.6271	40- 50	14.37	1192	99.2,99.2
60	0.5855	0.6280	0.5940	0.5152	0.5152	0.4481	0.5029	0.5961	50- 60	5.829	1198	99.7,99.7
70	0.2021	0.2168	0.2002	0.1548	0.1565	0.1342	0.1493	0.1935	60- 70	3.247	1201	99.9,99.9
80	0.0151	0.0142	0.0158	0.0111	0.0107	0.0125	0.0109	0.0147	70- 80	0.6700	1202	100,100
90	0.0050	0.0050	0.0061	0.0052	0.0033	0.0035	0.0037	0.0037	80- 90	0.0836	1202	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: $\times 10\text{cd}$									UNIT: lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	268	294
80	226	236
75	657	619
70	1536	1522
65	2148	2200
60	3044	3088
55	3163	3105
50	2624	2729
45	7559	7872

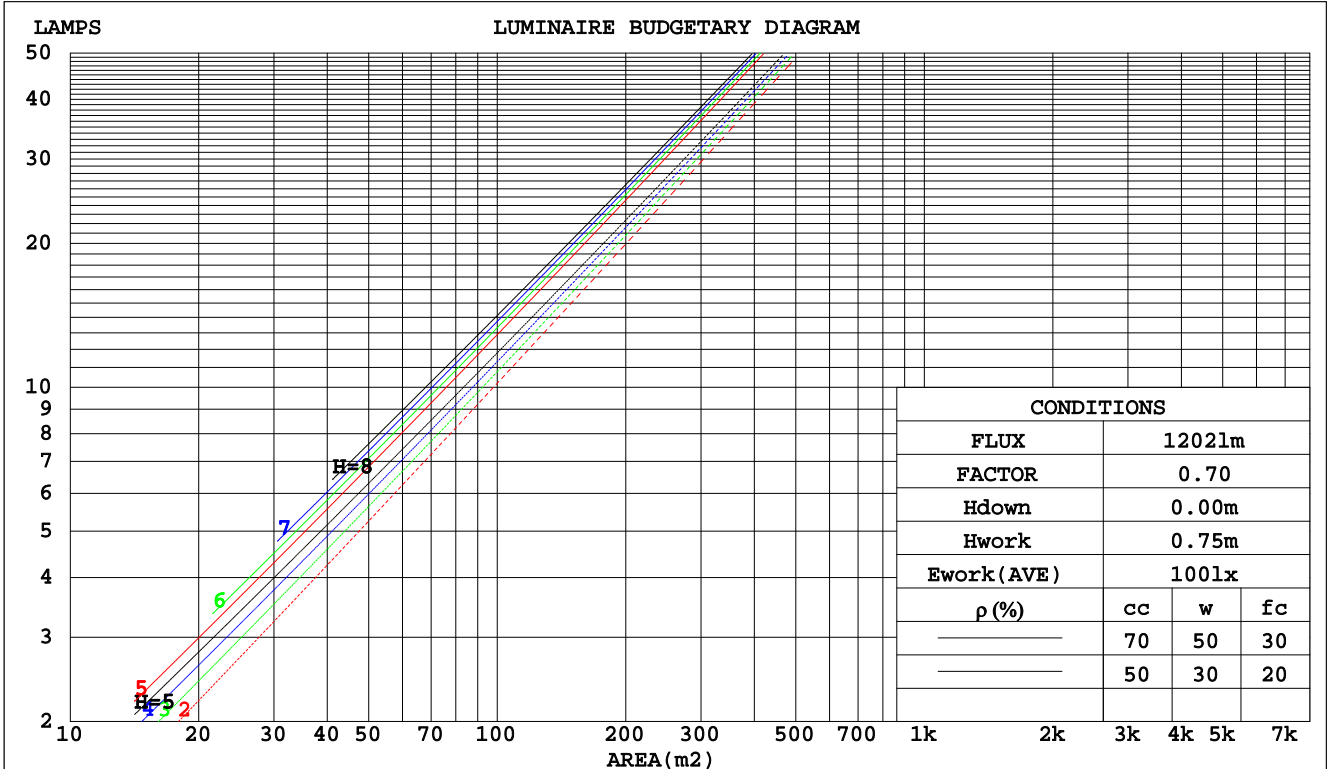
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.7V I:0.0755A P:15.51W PF:0.9303 Lamp Flux:1201.8x1 lm		
NAME: FOCUS S-15W-940-12D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ70mm*H138mm	
MFR.: NEKO LIGHTING AG		

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															
	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	1.10	1.11	1.09	1.08	1.07	1.06	1.05	1.03	1.02	1.01	.00	.99	.99	.97
2.0	1.08	1.05	1.03	1.06	1.04	1.02	1.03	1.01	.99	1.00	.99	.97	.98	.96	.95	.94
3.0	1.04	1.00	.97	1.02	.99	.97	.00	.97	.95	.98	.95	.94	.95	.94	.92	.91
4.0	.00	.96	.93	.99	.95	.93	.97	.94	.92	.95	.93	.91	.93	.91	.90	.88
5.0	.96	.92	.90	.96	.92	.89	.94	.91	.88	.92	.90	.88	.91	.89	.87	.86
6.0	.93	.89	.87	.93	.89	.86	.91	.88	.86	.90	.87	.85	.89	.87	.85	.84
7.0	.91	.87	.84	.90	.86	.84	.89	.86	.83	.88	.85	.83	.87	.84	.83	.82
8.0	.88	.84	.82	.88	.84	.81	.87	.83	.81	.86	.83	.81	.85	.82	.81	.80
9.0	.86	.82	.79	.86	.82	.79	.85	.81	.79	.84	.81	.79	.83	.81	.79	.78
10.0	.84	.80	.78	.83	.80	.77	.83	.80	.77	.82	.79	.77	.82	.79	.77	.76



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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	.133	.076	.024	.126	.072	.023	.114	.065	.021	.103	.059	.019	.092	.053	.017	
2.0	.123	.068	.021	.118	.065	.020	.108	.060	.019	.098	.055	.017	.090	.051	.016	
3.0	.115	.061	.018	.110	.059	.018	.102	.055	.017	.094	.051	.016	.086	.048	.015	
4.0	.107	.056	.016	.103	.054	.016	.096	.051	.015	.090	.048	.015	.083	.045	.014	
5.0	.101	.051	.015	.097	.050	.015	.091	.048	.014	.086	.045	.013	.080	.043	.013	
6.0	.095	.048	.014	.092	.046	.013	.087	.045	.013	.082	.043	.013	.077	.041	.012	
7.0	.090	.044	.013	.087	.044	.012	.083	.042	.012	.079	.040	.012	.075	.039	.011	
8.0	.085	.042	.012	.083	.041	.012	.079	.040	.011	.076	.038	.011	.072	.037	.011	
9.0	.081	.039	.011	.079	.039	.011	.076	.038	.011	.073	.036	.010	.070	.035	.010	
10.0	.078	.037	.010	.076	.037	.010	.073	.036	.010	.070	.035	.010	.067	.034	.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	.059	.046	.040	.035	.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	.095	.074	.058	.066	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.102	.075	.056	.088	.065	.049	.060	.046	.035	.035	.027	.021	.011	.009	.007	
7.0	.094	.067	.048	.081	.058	.042	.056	.041	.030	.033	.024	.018	.011	.008	.006	
8.0	.088	.060	.042	.075	.052	.036	.052	.037	.026	.030	.022	.015	.010	.007	.005	
9.0	.082	.055	.036	.070	.047	.032	.049	.033	.022	.028	.020	.013	.009	.006	.004	
10.0	.077	.050	.032	.066	.043	.028	.046	.030	.020	.027	.018	.012	.009	.006	.004	

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 Humidity:52%
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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	11.9	12.5	12.1	12.7	12.8	12.2	12.9	12.4	13.0	13.2
3H	11.9	12.4	12.1	12.6	12.8	12.2	12.8	12.4	13.0	13.2
4H	11.8	12.4	12.1	12.6	12.8	12.2	12.7	12.4	12.9	13.1
6H	11.7	12.2	12.0	12.5	12.7	12.1	12.6	12.3	12.8	13.1
8H	11.7	12.2	12.0	12.4	12.7	12.0	12.5	12.3	12.8	13.0
12H	11.6	12.1	11.9	12.4	12.6	12.0	12.5	12.3	12.7	13.0
4H 2H	11.8	12.3	12.0	12.5	12.7	12.1	12.7	12.4	12.9	13.1
3H	11.8	12.2	12.1	12.5	12.8	12.1	12.6	12.4	12.8	13.1
4H	11.7	12.1	12.0	12.4	12.7	12.0	12.5	12.4	12.8	13.1
6H	11.6	12.0	12.0	12.3	12.7	11.9	12.3	12.3	12.6	13.0
8H	11.5	11.9	11.9	12.3	12.6	11.9	12.2	12.3	12.6	12.9
12H	11.5	11.8	11.9	12.2	12.6	11.8	12.2	12.2	12.5	12.9
8H 4H	11.5	11.9	11.9	12.3	12.6	11.9	12.3	12.3	12.6	13.0
6H	11.4	11.7	11.9	12.1	12.5	11.8	12.1	12.2	12.5	12.9
8H	11.4	11.6	11.8	12.1	12.5	11.7	12.0	12.2	12.4	12.8
12H	11.3	11.5	11.8	12.0	12.5	11.6	11.9	12.1	12.3	12.8
12H 4H	11.5	11.8	11.9	12.2	12.6	11.8	12.2	12.2	12.5	12.9
6H	11.4	11.6	11.8	12.1	12.5	11.7	12.0	12.1	12.4	12.8
8H	11.3	11.5	11.8	12.0	12.5	11.6	11.9	12.1	12.3	12.8
Variations with the observer position at spacings:										
S = 1.0H	+ 2.6 / - 4.6					+ 2.8 / - 5.0				
1.5H	+ 4.9 / - 5.7					+ 5.1 / - 5.9				
2.0H	+ 3.7 / - 2.3					+ 3.8 / - 2.4				

CIE Pub.117 Corrected 1202 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.6)

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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	90	84	81	90	84	81	89	84	81	78
0.80	97	92	89	97	92	89	96	91	88	85
1.00	101	96	93	100	96	93	99	95	92	88
1.25	105	100	97	104	100	97	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	104	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	114	112	113	112	110	110	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

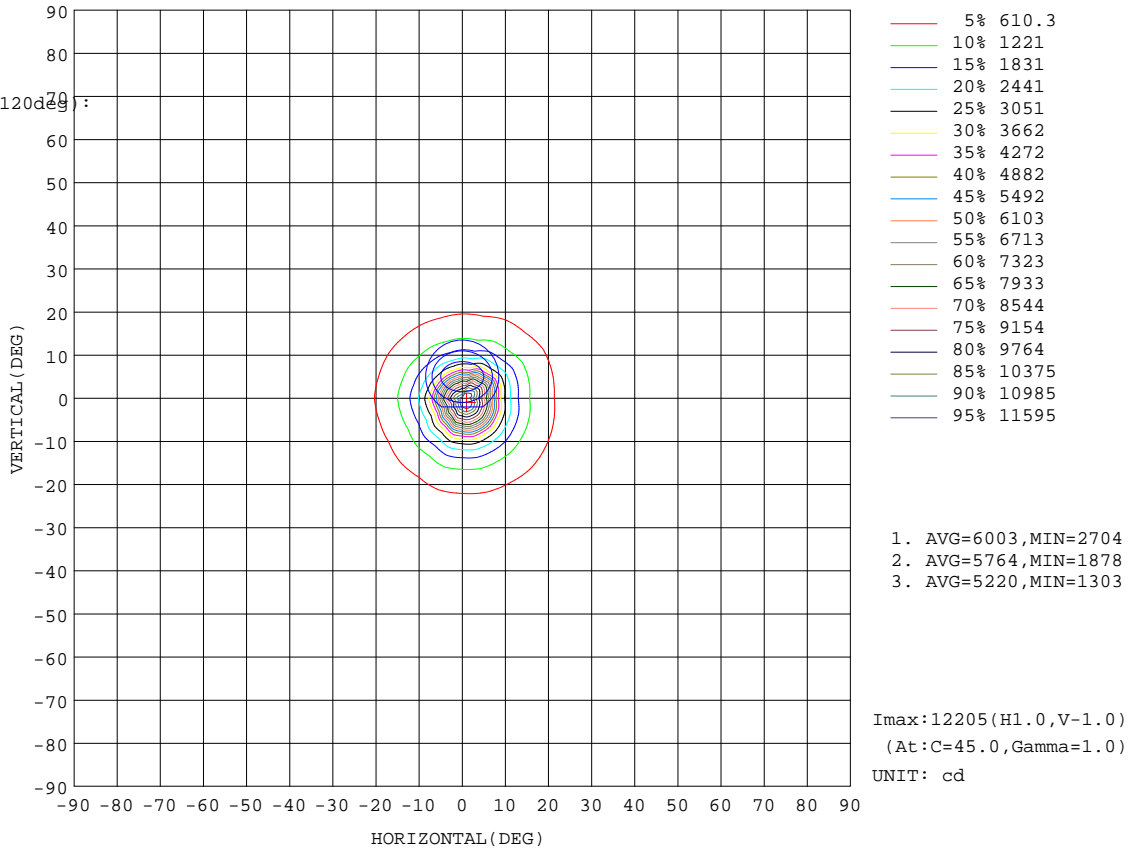
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Conical surface Flux(90deg):

1187.6 lm
%lum = 98.8%
%lamp = 98.8%

Conical surface Flux(120deg):

1197.8 lm
%lum = 99.7%
%lamp = 99.7%

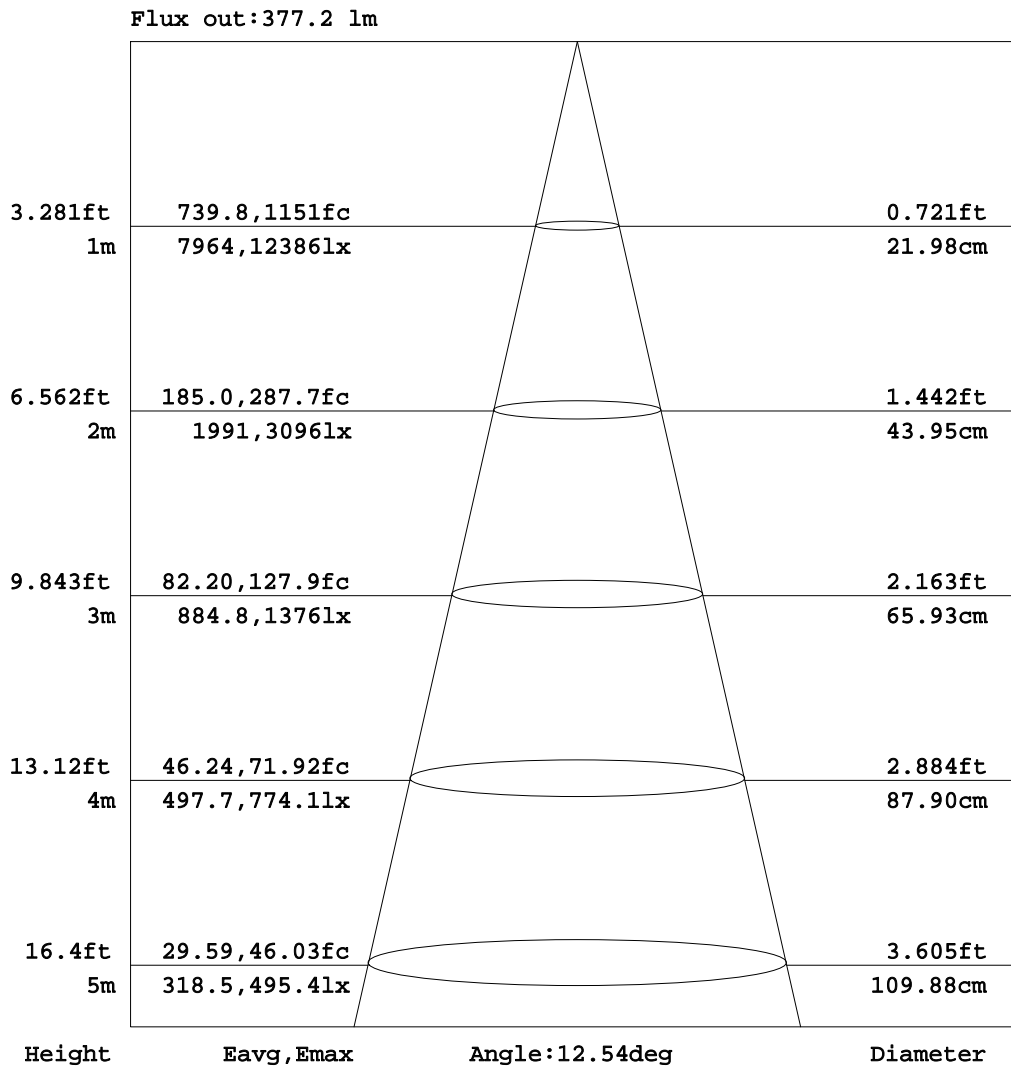


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AAI Figure

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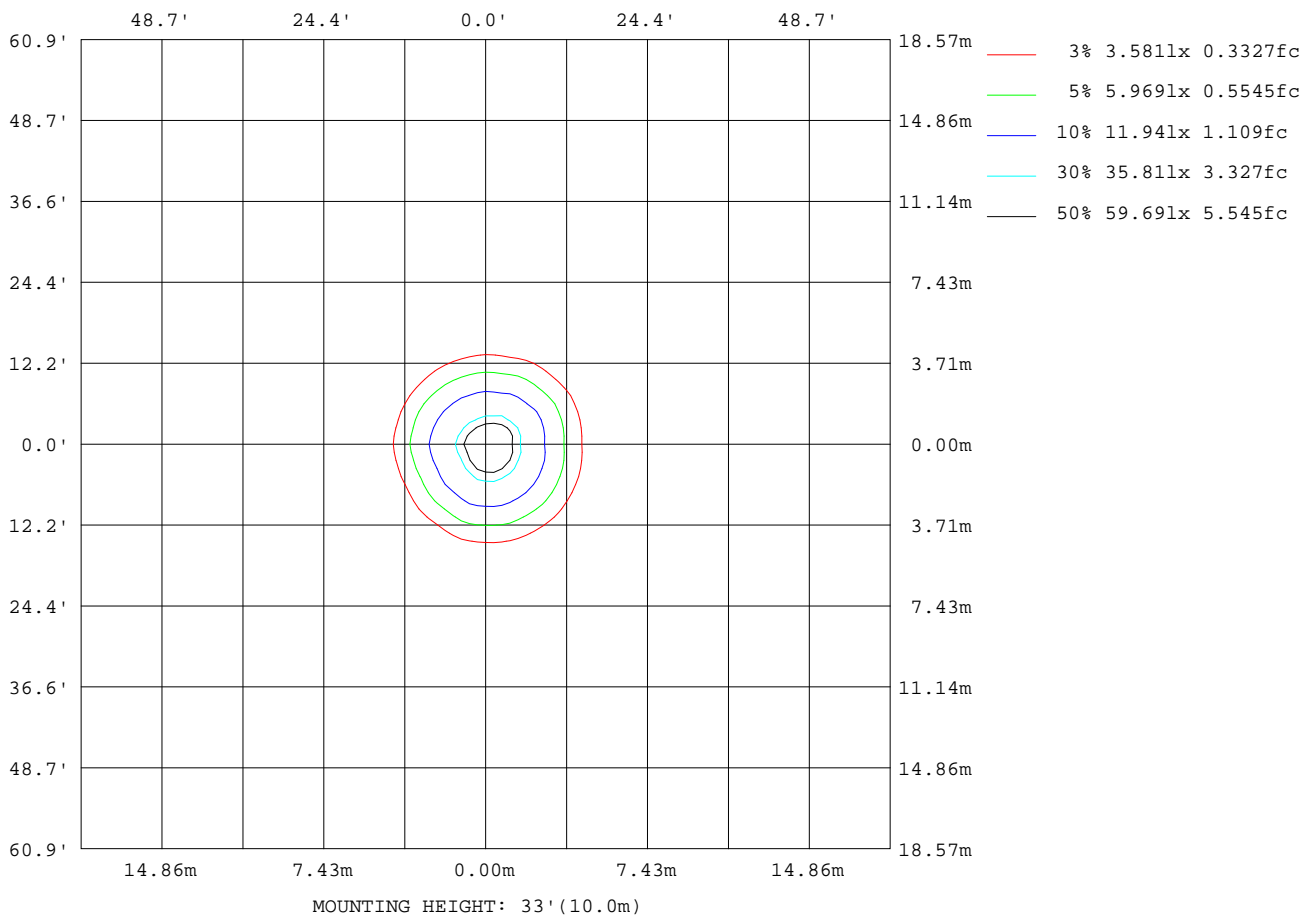
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

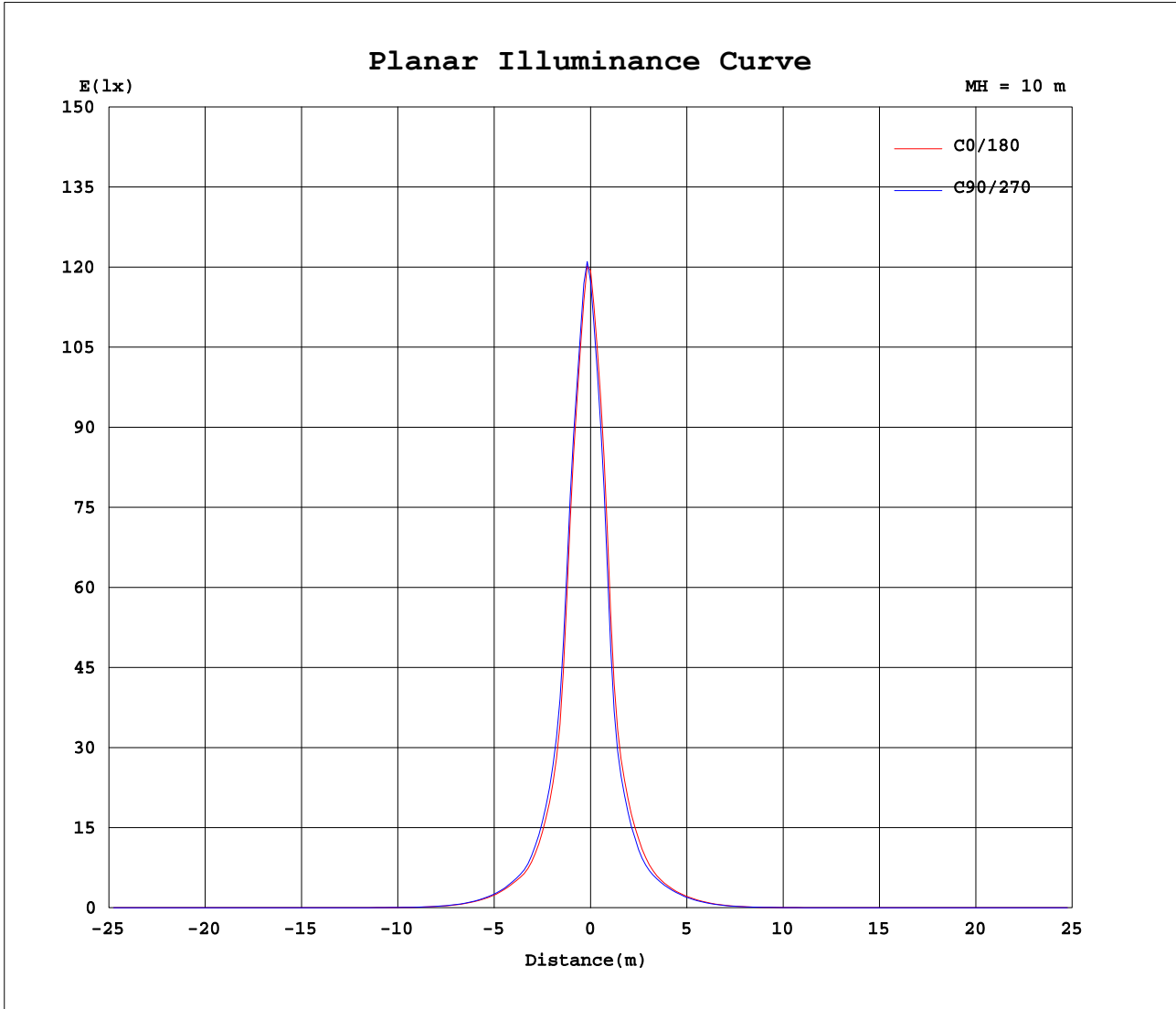
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Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.0755A P:15.51W PF:0.9303 Lamp Flux:1201.8x1 lm		
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Table--1

UNIT: ×10cd

C (DEG) \ γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1194	1185	1188	1173	1176	1161	1174	1162	1179	1182	1189	1200	1194	1185	1188	1173	1176	1161	1174
5	861	906	925	950	937	933	897	884	766	739	631	659	712	651	628	594	598	590	642
10	293	320	334	354	353	358	334	324	273	263	234	238	251	233	227	216	216	210	221
15	134	147	152	159	159	160	152	151	129	126	112	115	122	114	112	105	103	99.4	103
20	69.0	73.0	76.2	78.7	77.3	77.8	75.6	75.3	66.7	64.7	59.5	60.3	63.5	60.7	60.3	58.1	57.3	56.5	58.1
25	40.5	42.7	44.0	45.9	45.2	45.0	43.4	43.0	38.0	37.0	33.8	34.4	36.2	34.3	33.3	32.2	32.3	32.0	33.5
30	21.5	22.8	23.3	24.2	24.2	24.4	23.4	23.2	20.1	19.6	17.4	17.9	19.2	18.0	17.6	16.8	16.8	16.5	17.4
35	10.2	10.8	11.1	11.5	11.5	11.6	11.0	10.9	9.20	8.94	7.82	8.02	8.57	7.93	7.61	7.25	7.23	7.25	7.76
40	4.44	4.79	4.91	5.06	5.01	5.06	4.76	4.68	3.81	3.66	3.16	3.25	3.51	3.20	3.05	2.89	2.94	2.96	3.20
45	2.06	2.18	2.21	2.26	2.24	2.25	2.14	2.12	1.64	1.57	1.32	1.40	1.53	1.38	1.32	1.27	1.32	1.31	1.41
50	0.65	0.70	0.72	0.77	0.75	0.75	0.67	0.66	0.59	0.60	0.61	0.60	0.60	0.60	0.59	0.60	0.60	0.60	0.60
55	0.70	0.67	0.65	0.65	0.68	0.68	0.69	0.68	0.70	0.70	0.72	0.72	0.73	0.72	0.72	0.72	0.72	0.72	0.73
60	0.59	0.60	0.62	0.63	0.60	0.62	0.59	0.58	0.52	0.52	0.47	0.49	0.52	0.48	0.47	0.45	0.46	0.46	0.50
65	0.35	0.36	0.37	0.37	0.37	0.38	0.36	0.34	0.30	0.29	0.27	0.27	0.28	0.27	0.26	0.26	0.26	0.26	0.28
70	0.20	0.21	0.21	0.22	0.22	0.22	0.20	0.19	0.16	0.15	0.14	0.14	0.16	0.14	0.14	0.13	0.14	0.14	0.15
75	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
80	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
85	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00
90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-07-28

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:0.0755A P:15.51W PF:0.9303 Lamp Flux:1201.8x1 lm		
NAME: FOCUS S-15W-940-12D	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ70mm*H138mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: x10cd

C (DEG) γ (DEG)	285	300	315	330	345															
0	1162	1179	1182	1189	1200															
5	653	822	844	926	901															
10	222	267	277	323	311															
15	104	123	128	147	141															
20	58.6	65.7	67.6	73.4	71.6															
25	33.8	38.4	39.4	43.0	42.0															
30	17.5	20.4	20.9	23.2	22.6															
35	7.90	9.46	9.78	11.1	10.8															
40	3.28	4.03	4.16	4.79	4.65															
45	1.43	1.85	1.92	2.23	2.16															
50	0.60	0.60	0.63	0.75	0.71															
55	0.72	0.68	0.68	0.67	0.68															
60	0.51	0.57	0.60	0.64	0.63															
65	0.28	0.32	0.34	0.37	0.36															
70	0.15	0.19	0.19	0.22	0.22															
75	0.02	0.05	0.06	0.08	0.08															
80	0.01	0.01	0.01	0.01	0.02															
85	0.01	0.01	0.01	0.01	0.01															
90	0.00	0.00	0.00	0.00	0.00															

C Range: 0 - 360DEG γ Range: 0 - 90DEG
 C Interval: 15.0DEG γ Interval: 1.0DEG
 Test Speed: HIGH Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Temperature:25.3DEG Humidity:52%
 Operators:Meng Yongjian Test Distance:5.850m [K=1.0000]
 Test Date:2017-07-28 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	11938	11849	11876	11733	11759	11607	11739	11617	11792	11819
3.0	10501	10964	11212	11487	11376	11312	10778	10596	9804	9639
6.0	7394	7978	8186	8477	8358	8327	7845	7677	6197	5917
9.0	3570	3986	4143	4441	4375	4459	4057	3926	3192	3083
12.0	2117	2306	2405	2532	2530	2559	2414	2369	2018	1959
15.0	1335	1473	1518	1593	1585	1603	1522	1509	1287	1256
18.0	858.1	923.0	962.1	1007	999.1	1014	960.4	955.9	840.6	821.9
21.0	630.3	665.6	693.7	714.7	699.7	708.2	686.9	676.1	595.3	579.1
24.0	458.2	483.6	499.6	518.2	509.6	509.5	488.1	483.7	427.9	416.2
27.0	319.7	335.6	344.4	356.9	354.8	357.5	344.5	341.3	296.7	289.6
30.0	215.5	227.7	233.1	241.6	242.0	244.2	233.9	231.5	200.9	195.9
33.0	139.8	148.2	152.0	158.0	157.4	159.1	151.1	149.6	127.2	125.3
36.0	87.00	92.59	95.15	98.33	98.20	98.93	93.98	92.64	77.88	75.46
39.0	53.03	57.10	59.17	60.34	60.51	60.43	57.68	56.07	46.15	44.54
42.0	30.76	33.08	33.93	34.92	34.71	34.71	32.61	32.14	26.75	26.27
45.0	20.56	21.81	22.07	22.62	22.41	22.47	21.41	21.20	16.44	15.74
48.0	10.44	11.20	11.51	12.14	12.03	11.93	10.92	10.84	8.240	7.921
51.0	5.954	5.895	5.915	6.115	6.176	6.191	6.065	6.022	5.856	5.935
54.0	6.566	6.309	6.134	6.223	6.423	6.453	6.514	6.475	6.632	6.660
57.0	7.383	7.308	7.236	7.139	7.277	7.267	7.204	7.110	6.926	7.038
60.0	5.855	5.968	6.214	6.280	6.026	6.212	5.940	5.767	5.170	5.152
63.0	4.190	4.356	4.413	4.452	4.391	4.394	4.190	4.053	3.659	3.622
66.0	3.079	3.185	3.252	3.314	3.300	3.334	3.168	3.067	2.699	2.646
69.0	2.307	2.387	2.430	2.442	2.443	2.455	2.314	2.241	1.875	1.828
72.0	1.507	1.552	1.510	1.556	1.575	1.585	1.470	1.405	0.9755	0.9206
75.0	0.6541	0.6801	0.6822	0.7219	0.7130	0.7066	0.6165	0.5839	0.2853	0.2509
78.0	0.1817	0.1639	0.1927	0.1748	0.1948	0.1748	0.1882	0.1682	0.1707	0.1464
81.0	0.1336	0.1201	0.1423	0.1289	0.1488	0.1311	0.1401	0.1180	0.1270	0.1005
84.0	0.0964	0.0808	0.1094	0.0895	0.1138	0.0895	0.1051	0.0808	0.0942	0.0677
87.0	0.0701	0.0611	0.0788	0.0633	0.0832	0.0633	0.0810	0.0546	0.0701	0.0525
90.0	0.0503	0.0503	0.0568	0.0503	0.0590	0.0525	0.0612	0.0503	0.0525	0.0525
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	11895	11999	11938	11849	11876	11733	11759	11607	11739	11617
3.0	8926	9123	9592	9219	9076	8834	8847	8747	9078	9121
6.0	5091	5143	5555	5191	4790	4715	4540	4679	4926	5030
9.0	2707	2775	2898	2692	2607	2498	2494	2444	2566	2588
12.0	1744	1778	1872	1750	1699	1618	1601	1559	1626	1630
15.0	1119	1148	1220	1141	1115	1051	1030	994.3	1033	1035
18.0	740.6	752.9	809.1	774.5	768.0	724.3	708.7	691.9	714.6	720.0
21.0	528.5	539.3	568.2	547.5	535.6	515.4	513.0	505.4	521.5	523.3
24.0	378.9	385.2	405.8	384.2	376.2	364.2	365.6	361.3	376.0	379.6
27.0	261.7	267.2	285.0	267.7	260.9	251.2	251.8	249.1	259.6	261.4
30.0	174.3	178.5	191.7	179.6	175.5	167.7	165.3	165.3	174.0	175.3
33.0	108.7	110.8	119.0	110.5	106.3	101.6	101.3	101.1	107.7	109.7
36.0	66.10	67.70	72.19	66.71	64.02	61.52	60.81	61.88	65.32	66.76
39.0	38.40	39.51	42.53	38.87	37.05	34.94	35.48	35.68	38.57	39.50
42.0	24.19	24.60	25.63	24.38	23.75	23.09	23.43	23.49	24.39	24.67
45.0	13.25	13.98	15.25	13.84	13.20	12.65	13.17	13.11	14.11	14.31
48.0	6.813	7.021	7.800	6.894	6.603	6.378	6.618	6.685	7.178	7.248
51.0	6.176	6.111	6.106	6.167	5.992	6.090	6.138	6.119	6.062	6.049
54.0	7.074	7.005	7.023	7.057	6.912	6.961	6.998	7.027	7.002	7.052
57.0	6.512	6.694	6.982	6.648	6.750	6.546	6.395	6.601	6.866	6.783
60.0	4.722	4.861	5.152	4.817	4.686	4.481	4.595	4.623	5.029	5.050
63.0	3.337	3.409	3.591	3.370	3.277	3.146	3.209	3.260	3.537	3.571
66.0	2.425	2.460	2.560	2.440	2.385	2.339	2.348	2.400	2.527	2.589
69.0	1.601	1.677	1.816	1.675	1.633	1.568	1.589	1.622	1.751	1.800
72.0	0.7188	0.7617	0.9069	0.7953	0.7744	0.7398	0.7548	0.7619	0.8418	0.8875
75.0	0.2068	0.1901	0.2334	0.2162	0.1965	0.2113	0.1966	0.2114	0.2095	0.2341
78.0	0.1532	0.1354	0.1376	0.1576	0.1332	0.1576	0.1376	0.1597	0.1441	0.1620
81.0	0.1138	0.0939	0.0917	0.1138	0.0917	0.1116	0.0917	0.1116	0.0939	0.1203
84.0	0.0854	0.0633	0.0567	0.0766	0.0567	0.0766	0.0567	0.0723	0.0632	0.0832
87.0	0.0635	0.0481	0.0328	0.0482	0.0328	0.0482	0.0350	0.0482	0.0350	0.0526
90.0	0.0525	0.0503	0.0328	0.0350	0.0350	0.0350	0.0350	0.0350	0.0372	0.0350
G/C	300.0	315.0	330.0	345.0						
0.0	11792	11819	11895	11999						
3.0	10278	10418	11212	10982						
6.0	6815	7107	8181	7910						
9.0	3191	3342	4079	3879						
12.0	1956	2033	2298	2236						
15.0	1230	1282	1474	1412						
18.0	816.5	844.4	933.3	908.6						
21.0	590.2	606.1	662.6	650.2						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: Meng Yongjian

Test Date: 2017-07-28

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	431.5	441.8	480.8	472.2
27.0	299.8	307.3	341.2	331.9
30.0	203.9	209.2	232.0	225.9
33.0	132.6	135.2	152.6	147.7
36.0	80.35	83.01	94.00	91.30
39.0	48.22	49.84	56.91	55.29
42.0	27.96	28.83	33.39	32.31
45.0	18.47	19.21	22.27	21.58
48.0	9.395	9.747	11.69	11.26
51.0	5.866	5.939	6.286	6.070
54.0	6.443	6.410	6.355	6.428
57.0	7.177	7.404	7.342	7.371
60.0	5.686	5.961	6.441	6.260
63.0	3.899	4.072	4.572	4.433
66.0	2.877	3.012	3.304	3.229
69.0	2.146	2.234	2.463	2.431
72.0	1.338	1.424	1.630	1.620
75.0	0.5218	0.6248	0.7870	0.7648
78.0	0.1551	0.1774	0.1963	0.1973
81.0	0.1070	0.1313	0.1157	0.1335
84.0	0.0677	0.0941	0.0742	0.0963
87.0	0.0393	0.0613	0.0437	0.0678
90.0	0.0328	0.0372	0.0350	0.0394

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-07-28

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: