

LED Tracklight FOCUS S-15W-930-12D



Light Output Ratio:	100.0%	
Luminaire Power:	15.36 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	fine grid method.

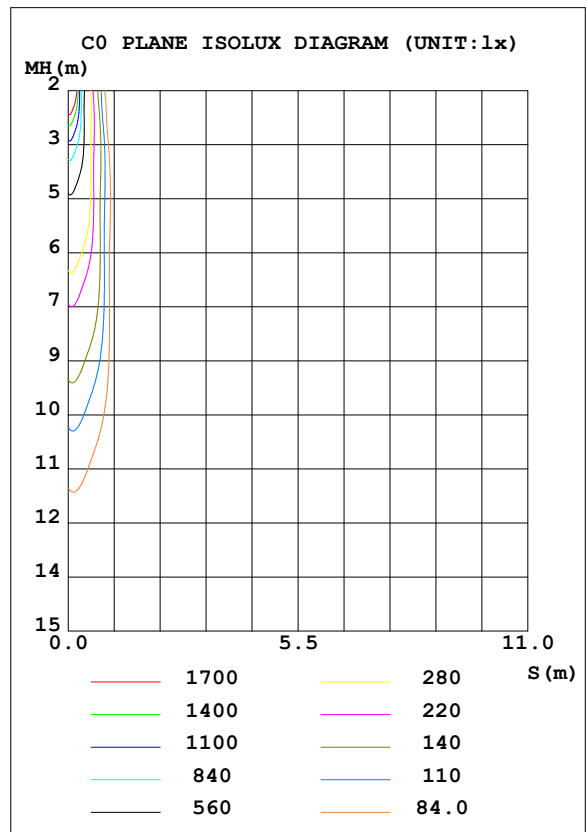
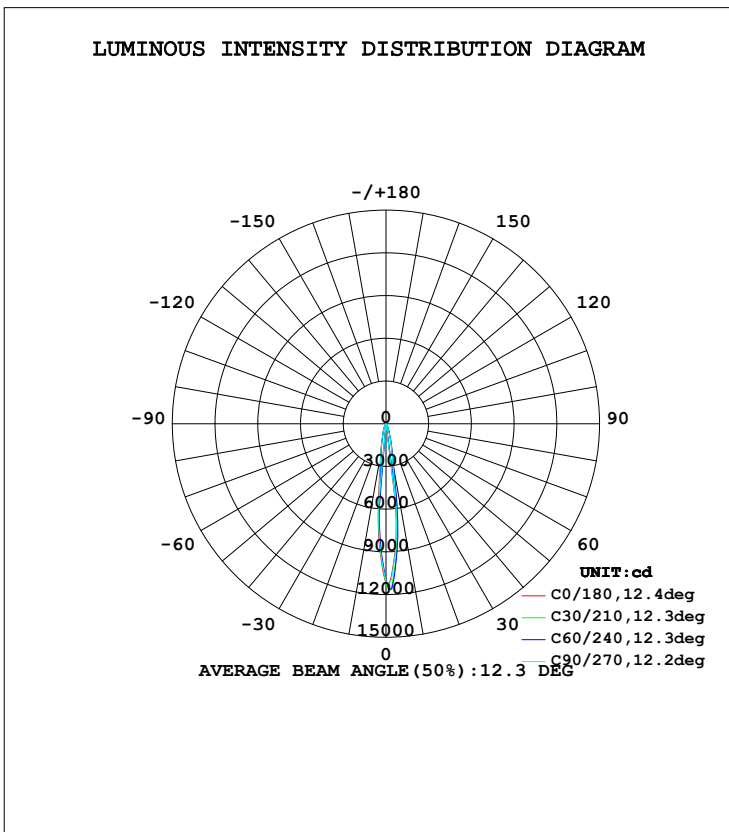
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-07-28

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:0.0749A P:15.36W PF:0.9294 Lamp Flux:1101.51x1 lm		
NAME: FOCUS S-15W-930-12D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ70mm*H138mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	CITIZEN-3000K	Imax (cd)	11715	S/MH (C0/180)	0.19
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	0.19
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1101.5	η UP, DN (C0-180)	0.0, 53.0
NOMINAL FLUX (lm)	1101.51	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 47.0
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



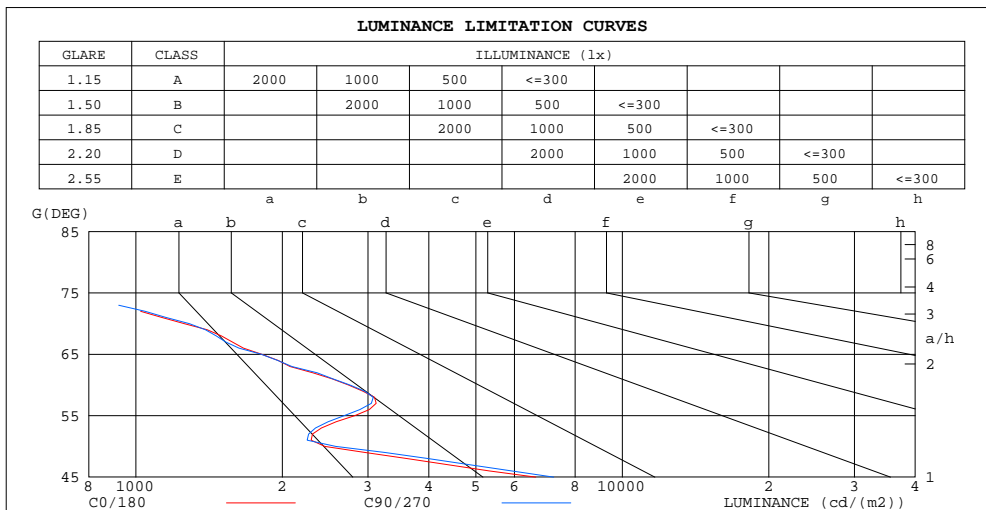
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**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\#lum, lamp$
10	279.7	330.2	279.5	216.2	217.7	194.2	215.8	283.0	0- 10	518.6	518.6	47.1,47.1
20	63.11	71.92	64.83	56.17	56.82	53.64	55.59	64.89	10- 20	340.2	858.8	78,78
30	20.17	22.37	20.54	16.60	16.72	14.71	16.37	20.50	20- 30	163.4	1022	92.8,92.8
40	4.152	4.894	4.215	3.129	3.123	2.582	2.869	4.104	30- 40	57.48	1080	98,98
50	0.6044	0.7325	0.6364	0.5460	0.5653	0.5461	0.5467	0.5803	40- 50	13.04	1093	99.2,99.2
60	0.5255	0.5665	0.5292	0.4658	0.4809	0.4165	0.4456	0.5258	50- 60	5.260	1098	99.7,99.7
70	0.1654	0.1867	0.1695	0.1428	0.1497	0.1318	0.1418	0.1736	60- 70	2.946	1101	99.9,99.9
80	0.0138	0.0142	0.0164	0.0111	0.0089	0.0096	0.0083	0.0127	70- 80	0.5986	1101	100,100
90	0.0044	0.0046	0.0059	0.0050	0.0031	0.0028	0.0031	0.0031	80- 90	0.0763	1102	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: $\times 10cd$									UNIT: lm		



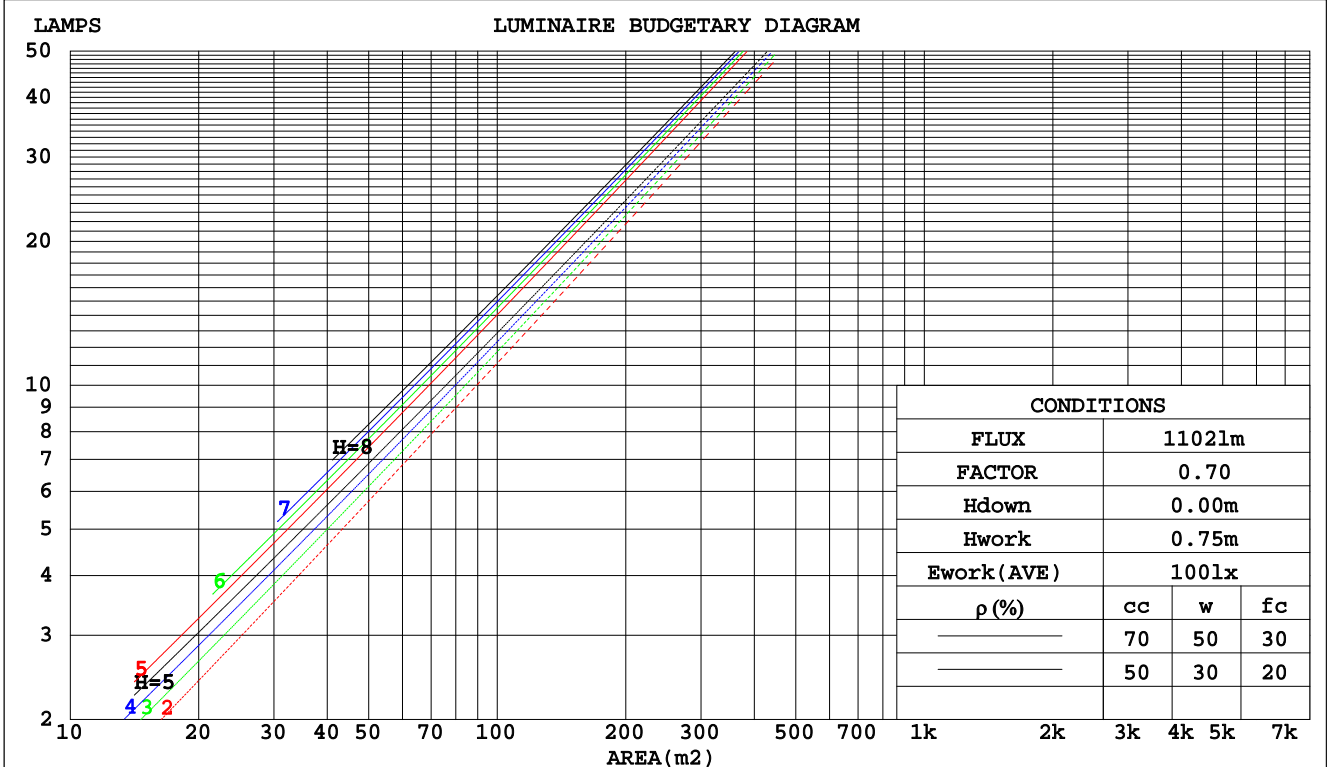
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.7V I:0.0749A P:15.36W PF:0.9294 Lamp Flux:1101.51x1 lm		
NAME: FOCUS S-15W-930-12D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	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	1.00
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	1.00	.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	.90	.97	.95	.98	.96	.94	.96	.94	.92	.91
4.0	.90	.96	.93	.99	.95	.93	.97	.94	.92	.95	.93	.91	.93	.91	.90	.88
5.0	.96	.93	.90	.96	.92	.89	.94	.91	.89	.93	.90	.88	.91	.89	.87	.86
6.0	.93	.90	.87	.93	.89	.86	.92	.88	.86	.90	.87	.85	.89	.87	.85	.84
7.0	.91	.87	.84	.90	.86	.84	.89	.86	.83	.88	.85	.83	.87	.85	.83	.82
8.0	.88	.84	.82	.88	.84	.82	.87	.84	.81	.86	.83	.81	.85	.83	.81	.80
9.0	.86	.82	.80	.86	.82	.80	.85	.82	.79	.84	.81	.79	.84	.81	.79	.78
10.0	.84	.80	.78	.84	.80	.78	.83	.80	.77	.82	.79	.77	.82	.79	.77	.76



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WEC AND CCEC

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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	.075	.024	.126	.072	.023	.114	.065	.021	.102	.059	.019	.092	.053	.017	
2.0	.123	.067	.021	.117	.065	.020	.107	.060	.019	.098	.055	.017	.089	.050	.016	
3.0	.114	.061	.018	.110	.059	.018	.101	.055	.017	.093	.051	.016	.086	.048	.015	
4.0	.107	.055	.016	.103	.054	.016	.096	.051	.015	.089	.048	.014	.083	.045	.014	
5.0	.100	.051	.015	.097	.050	.014	.091	.047	.014	.085	.045	.013	.080	.043	.013	
6.0	.094	.047	.014	.092	.046	.013	.086	.044	.013	.082	.042	.012	.077	.041	.012	
7.0	.089	.044	.013	.087	.043	.012	.083	.042	.012	.078	.040	.012	.074	.039	.011	
8.0	.085	.041	.012	.083	.041	.012	.079	.039	.011	.075	.038	.011	.072	.037	.011	
9.0	.081	.039	.011	.079	.039	.011	.076	.037	.011	.072	.036	.010	.069	.035	.010	
10.0	.077	.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	.134	.113	.096	.115	.098	.084	.079	.068	.059	.046	.040	.035	.015	.013	.011	
4.0	.122	.098	.080	.104	.085	.069	.072	.059	.049	.042	.034	.029	.013	.011	.009	
5.0	.111	.085	.067	.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	.032	.024	.018	.010	.008	.006	
8.0	.087	.060	.042	.075	.052	.036	.052	.037	.026	.030	.022	.015	.010	.007	.005	
9.0	.082	.054	.036	.070	.047	.032	.049	.033	.022	.028	.020	.013	.009	.006	.004	
10.0	.076	.050	.032	.066	.043	.028	.046	.030	.020	.027	.018	.012	.009	.006	.004	

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 Humidity:52%
 Test Distance:5.850m [K=1.0000]
 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	11.8	12.4	12.0	12.5	12.7	11.9	12.5	12.1	12.6	12.8
3H	11.7	12.3	12.0	12.5	12.7	11.8	12.4	12.1	12.6	12.8
4H	11.7	12.2	11.9	12.4	12.6	11.8	12.3	12.0	12.5	12.7
6H	11.6	12.1	11.9	12.3	12.6	11.7	12.2	12.0	12.4	12.7
8H	11.5	12.1	11.8	12.3	12.5	11.6	12.1	11.9	12.4	12.6
12H	11.5	12.0	11.8	12.2	12.5	11.6	12.1	11.9	12.3	12.6
4H 2H	11.7	12.2	11.9	12.4	12.6	11.7	12.3	12.0	12.5	12.7
3H	11.6	12.1	11.9	12.4	12.6	11.7	12.2	12.0	12.4	12.7
4H	11.5	12.0	11.9	12.3	12.6	11.6	12.1	12.0	12.4	12.7
6H	11.4	11.8	11.8	12.2	12.5	11.5	11.9	11.9	12.2	12.6
8H	11.4	11.8	11.8	12.1	12.5	11.5	11.8	11.9	12.2	12.5
12H	11.3	11.7	11.7	12.0	12.4	11.4	11.8	11.8	12.1	12.5
8H 4H	11.4	11.8	11.8	12.1	12.5	11.5	11.9	11.9	12.2	12.6
6H	11.3	11.6	11.7	12.0	12.4	11.4	11.7	11.8	12.1	12.5
8H	11.2	11.5	11.7	11.9	12.3	11.3	11.6	11.8	12.0	12.4
12H	11.2	11.4	11.6	11.8	12.3	11.2	11.5	11.7	11.9	12.4
12H 4H	11.3	11.7	11.7	12.0	12.4	11.4	11.8	11.8	12.1	12.5
6H	11.2	11.5	11.7	11.9	12.3	11.3	11.6	11.7	12.0	12.4
8H	11.2	11.4	11.6	11.8	12.3	11.2	11.5	11.7	11.9	12.4
Variations with the observer position at spacings:										
S = 1.0H	+ 2.7 / - 4.9					+ 2.6 / - 5.1				
1.5H	+ 5.1 / - 5.9					+ 5.0 / - 6.0				
2.0H	+ 3.5 / - 2.3					+ 3.9 / - 2.4				

CIE Pub.117 Corrected 1102 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.3)

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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	85	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

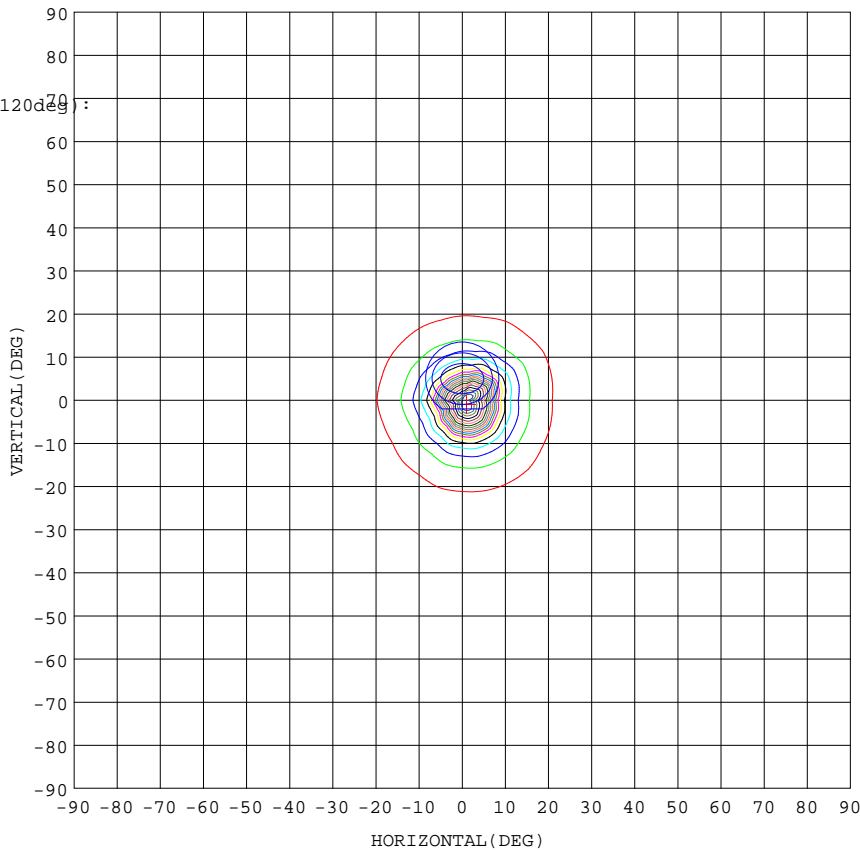
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Conical surface Flux(90deg):

1088.7 lm
%lum = 98.8%
%lamp = 98.8%

Conical surface Flux(120deg):

1097.9 lm
%lum = 99.7%
%lamp = 99.7%



- 5% 582.8
- 10% 1166
- 15% 1748
- 20% 2331
- 25% 2914
- 30% 3497
- 35% 4080
- 40% 4662
- 45% 5245
- 50% 5828
- 55% 6411
- 60% 6994
- 65% 7577
- 70% 8159
- 75% 8742
- 80% 9325
- 85% 9908
- 90% 10491
- 95% 11073

- 1. AVG=5593,MIN=2575
- 2. AVG=5435,MIN=1803
- 3. AVG=4922,MIN=1262

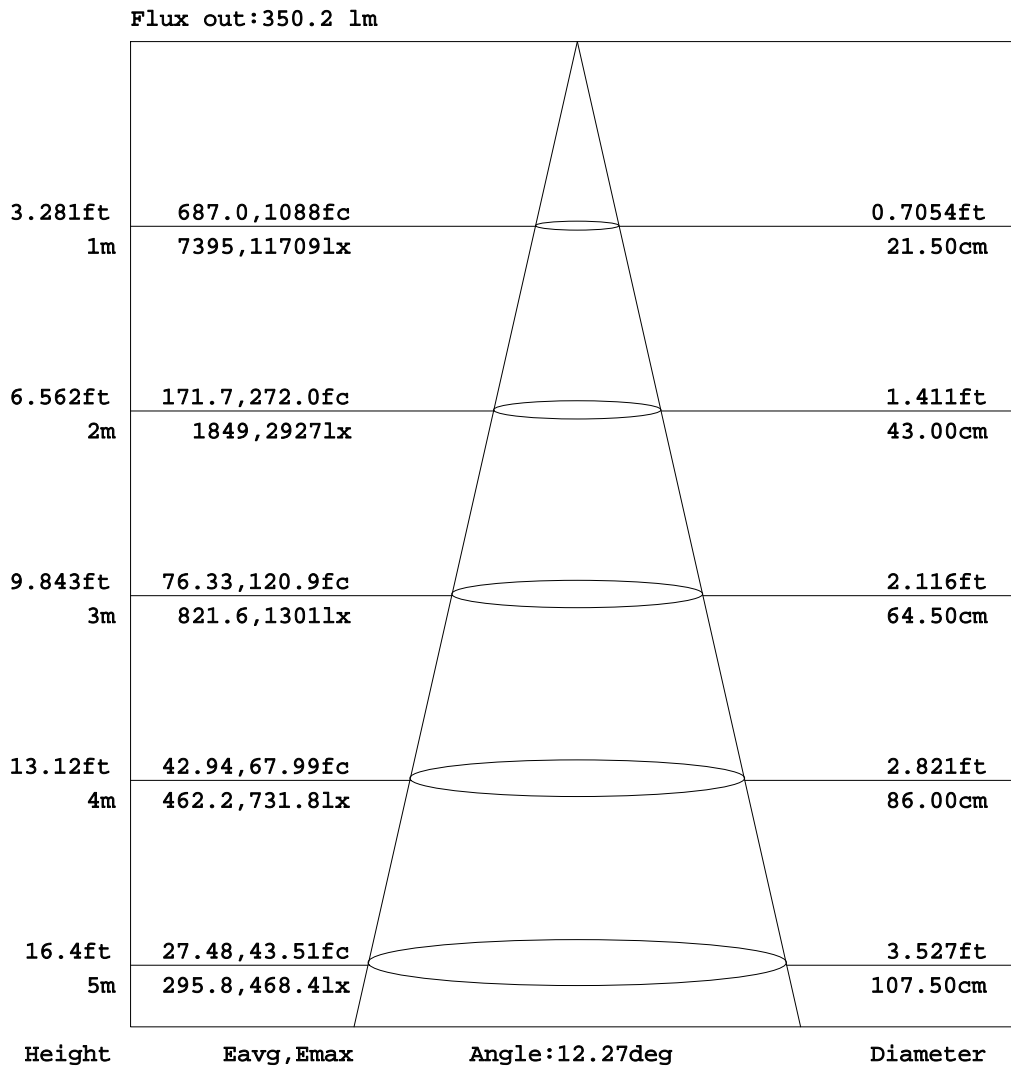
Imax:11656(H1.0,V-1.0)
(At:C=30.0,Gamma=1.0)
UNIT: cd

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AAI Figure

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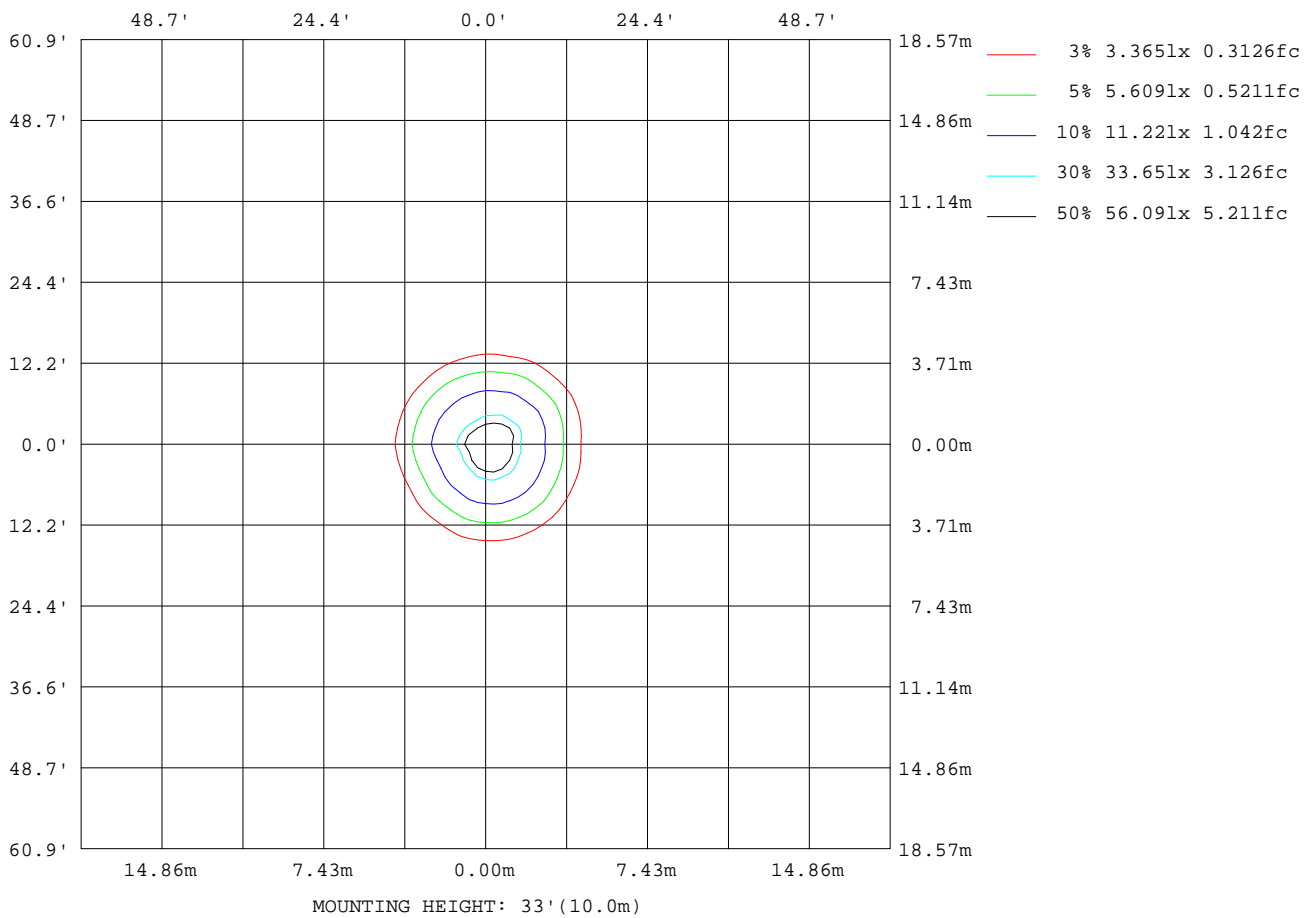
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

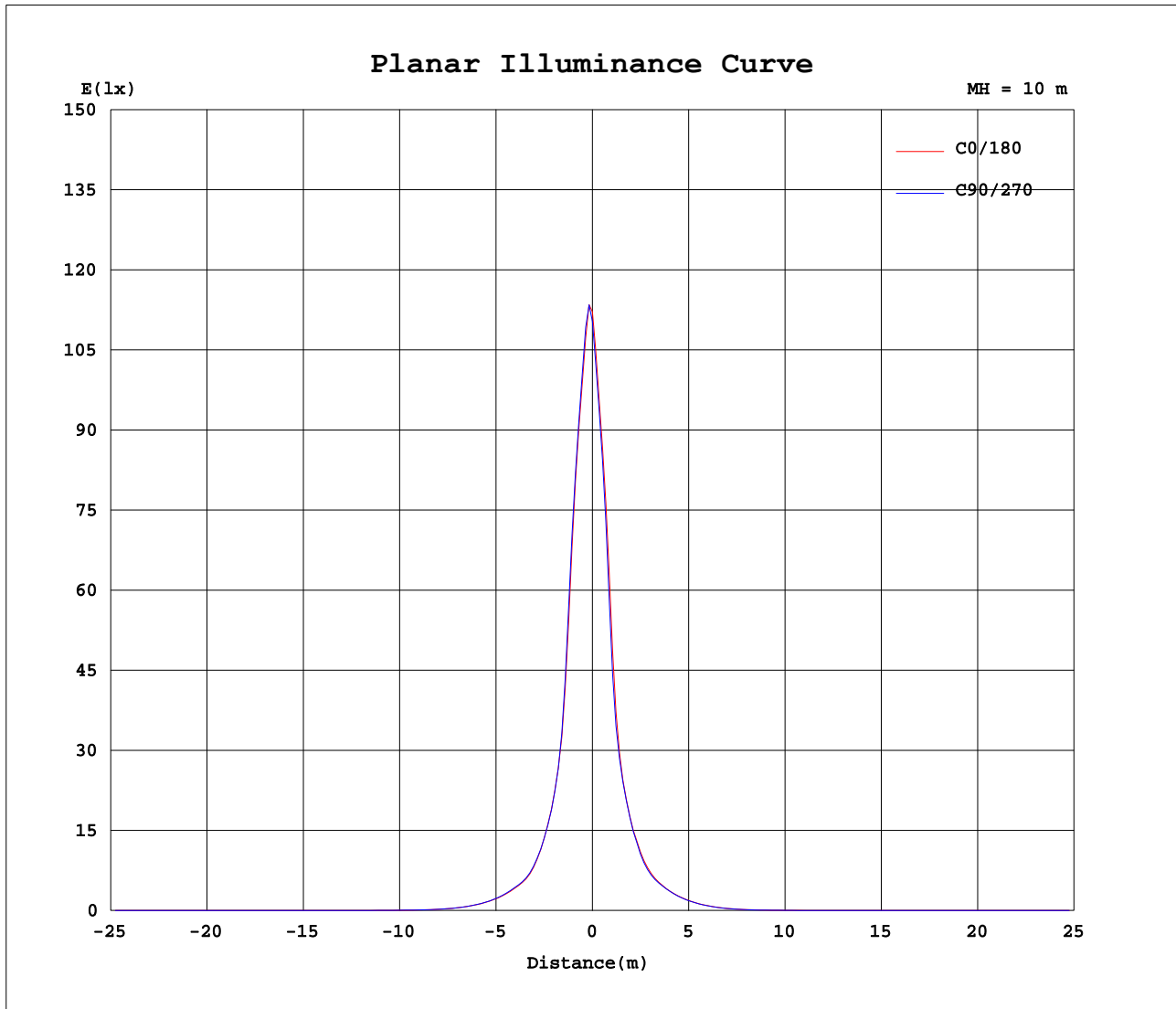
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Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

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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	1122	1115	1123	1089	1098	1090	1104	1103	1141	1144	1094	1108	1122	1115	1123	1089	1098	1090	1104
5	813	861	878	918	900	882	829	798	678	644	523	555	639	586	576	507	525	529	589
10	280	299	304	330	317	308	280	265	224	216	190	198	218	205	205	194	200	202	216
15	127	138	139	148	143	140	128	123	104	102	91.4	95.5	104	98.7	99.1	96.0	96.6	95.0	99.7
20	63.1	65.4	67.5	71.9	70.4	67.8	64.8	63.8	57.9	56.2	51.2	52.6	56.8	54.6	54.4	53.6	53.8	53.4	55.6
25	37.3	39.0	39.6	41.5	41.0	40.4	38.4	37.4	33.2	32.2	29.0	30.0	32.2	30.6	30.2	28.8	29.5	29.7	31.6
30	20.2	21.3	21.5	22.4	21.9	21.8	20.5	19.9	17.2	16.6	14.7	15.3	16.7	15.8	15.5	14.7	15.1	15.3	16.4
35	9.64	10.2	10.4	10.9	10.7	10.5	9.70	9.29	7.85	7.49	6.45	6.68	7.44	6.98	6.86	6.49	6.51	6.59	7.13
40	4.15	4.47	4.52	4.89	4.70	4.55	4.22	4.03	3.30	3.13	2.67	2.76	3.12	2.89	2.83	2.58	2.62	2.64	2.87
45	1.81	1.97	2.03	2.16	2.11	2.08	1.96	1.89	1.47	1.38	1.12	1.19	1.40	1.28	1.24	1.10	1.12	1.14	1.26
50	0.60	0.65	0.66	0.73	0.70	0.69	0.64	0.61	0.55	0.55	0.54	0.54	0.57	0.01	0.55	0.55	0.53	0.54	0.55
55	0.62	0.60	0.60	0.58	0.56	0.57	0.59	0.61	0.65	0.66	0.65	0.67	0.67	0.67	0.67	0.67	0.66	0.66	0.66
60	0.53	0.55	0.56	0.57	0.57	0.57	0.53	0.53	0.49	0.47	0.40	0.43	0.48	0.45	0.44	0.42	0.42	0.42	0.45
65	0.29	0.31	0.31	0.32	0.31	0.31	0.29	0.29	0.26	0.26	0.24	0.26	0.27	0.26	0.26	0.25	0.26	0.26	0.27
70	0.17	0.18	0.18	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.13	0.14	0.15	0.14	0.14	0.13	0.13	0.13	0.14
75	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.01	0.02	0.02
80	0.01	0.01	0.01	0.01	0.02	0.02	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	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.01	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:0.0749A P:15.36W PF:0.9294 Lamp Flux:1101.51x1 lm		
NAME: FOCUS S-15W-930-12D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ70mm*H138mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: x10cd

C (DEG) γ (DEG)	285	300	315	330	345												
0	1103	1141	1144	1094	1108												
5	621	780	821	912	886												
10	224	269	283	334	315												
15	103	121	126	147	140												
20	57.1	63.7	64.9	70.1	67.2												
25	32.7	37.0	38.1	41.7	40.1												
30	17.0	19.8	20.5	22.7	21.9												
35	7.57	9.13	9.64	11.0	10.7												
40	3.05	3.82	4.10	4.80	4.65												
45	1.32	1.71	1.84	2.12	2.03												
50	0.55	0.56	0.58	0.70	0.67												
55	0.66	0.64	0.62	0.57	0.57												
60	0.46	0.52	0.53	0.57	0.56												
65	0.28	0.31	0.31	0.33	0.32												
70	0.15	0.17	0.17	0.19	0.18												
75	0.02	0.04	0.05	0.06	0.06												
80	0.01	0.01	0.01	0.01	0.01												
85	0.01	0.00	0.01	0.01	0.01												
90	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:

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	11217	11150	11234	10888	10979	10900	11038	11027	11411	11438
3.0	9895	10380	10593	11087	10886	10637	10071	9783	9004	8793
6.0	6944	7544	7722	8166	7974	7788	7180	6786	5363	5001
9.0	3373	3732	3802	4267	4029	3929	3455	3233	2638	2543
12.0	2026	2163	2197	2318	2248	2193	2016	1931	1644	1587
15.0	1269	1380	1392	1483	1431	1400	1279	1228	1045	1018
18.0	798.5	848.5	871.9	936.1	908.4	878.6	820.9	795.5	707.3	697.6
21.0	575.4	593.6	606.7	645.6	634.6	616.2	591.2	581.3	518.3	504.4
24.0	418.1	438.0	443.4	467.3	461.1	454.4	432.3	419.0	374.2	363.3
27.0	296.7	310.1	313.2	325.6	320.3	318.2	303.6	296.0	257.1	248.6
30.0	201.7	212.6	215.4	223.7	219.2	217.7	205.4	199.2	172.2	166.0
33.0	132.1	141.3	142.1	148.5	145.4	143.3	133.3	129.1	108.5	103.5
36.0	82.23	87.40	88.64	93.40	91.17	89.20	82.73	79.09	66.38	63.11
39.0	49.69	53.29	53.92	58.10	55.91	54.41	50.32	48.20	39.69	37.69
42.0	28.17	30.67	31.21	34.02	32.58	31.49	29.12	27.82	23.64	23.12
45.0	18.05	19.72	20.26	21.64	21.05	20.80	19.65	18.91	14.72	13.81
48.0	9.293	10.26	10.53	11.63	11.11	11.04	10.27	9.738	7.461	6.887
51.0	5.551	5.587	5.491	5.744	5.528	5.495	5.444	5.476	5.475	5.532
54.0	5.835	5.679	5.639	5.514	5.384	5.409	5.617	5.729	6.197	6.373
57.0	6.533	6.602	6.553	6.422	6.285	6.266	6.385	6.499	6.430	6.227
60.0	5.255	5.537	5.592	5.665	5.723	5.653	5.292	5.310	4.862	4.658
63.0	3.623	3.840	3.868	4.073	3.963	3.863	3.654	3.600	3.379	3.300
66.0	2.604	2.757	2.753	2.868	2.755	2.700	2.549	2.539	2.360	2.362
69.0	1.931	2.027	2.036	2.069	2.018	1.990	1.915	1.907	1.699	1.673
72.0	1.216	1.320	1.352	1.391	1.350	1.321	1.242	1.231	0.9418	0.8572
75.0	0.4915	0.5627	0.5900	0.6331	0.6258	0.6200	0.5723	0.5408	0.3066	0.2422
78.0	0.1708	0.1573	0.1817	0.1792	0.2041	0.1836	0.1970	0.1683	0.1707	0.1398
81.0	0.1248	0.1071	0.1357	0.1289	0.1554	0.1354	0.1510	0.1288	0.1291	0.0983
84.0	0.0898	0.0764	0.0986	0.0851	0.1117	0.0939	0.1138	0.0851	0.0920	0.0634
87.0	0.0635	0.0481	0.0701	0.0568	0.0832	0.0633	0.0854	0.0568	0.0701	0.0503
90.0	0.0437	0.0415	0.0481	0.0459	0.0547	0.0481	0.0590	0.0459	0.0503	0.0503
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	10937	11084	11217	11150	11234	10888	10900	10979	11038	11027
3.0	7965	8190	8716	8412	8379	7927	8062	8089	8475	8651
6.0	3996	4239	4939	4465	4369	3871	3991	4035	4502	4800
9.0	2217	2309	2546	2397	2373	2249	2310	2346	2510	2614
12.0	1408	1472	1611	1526	1526	1461	1492	1492	1587	1650
15.0	914.2	955.4	1042	987.1	990.8	960.2	966.2	949.7	997.2	1027
18.0	639.5	659.0	705.2	677.0	681.9	672.8	676.0	660.7	681.1	698.0
21.0	459.8	471.1	507.0	485.9	485.2	473.1	479.8	477.3	498.4	510.5
24.0	328.9	338.5	361.1	343.0	340.0	326.5	334.1	337.1	354.3	365.2
27.0	223.6	231.6	251.0	238.0	234.1	223.9	228.5	232.0	245.8	253.7
30.0	146.8	152.7	167.2	157.5	155.5	147.1	150.9	152.7	163.7	169.9
33.0	90.35	93.17	103.8	97.36	95.31	89.43	90.90	92.29	99.35	105.2
36.0	54.32	56.25	62.62	59.63	57.79	53.80	54.76	55.09	59.95	64.55
39.0	31.95	33.15	37.36	34.77	34.05	31.14	31.66	31.95	34.86	37.12
42.0	21.27	21.71	23.04	0.2680	21.87	20.49	20.61	20.63	21.66	22.25
45.0	11.23	11.94	14.00	12.78	12.44	11.02	11.19	11.37	12.59	13.21
48.0	5.614	5.934	7.171	6.422	6.139	5.569	5.628	5.730	6.354	6.803
51.0	5.621	5.609	5.736	0.1802	5.638	5.745	5.538	5.576	5.679	5.594
54.0	6.447	6.500	6.483	6.597	6.554	6.636	6.491	6.441	6.493	6.441
57.0	5.815	6.165	6.407	6.206	6.050	5.746	6.029	6.023	5.987	6.302
60.0	4.036	4.309	4.809	4.530	4.423	4.165	4.231	4.231	4.456	4.596
63.0	2.945	3.134	3.374	3.252	3.225	3.073	3.142	3.147	3.332	3.461
66.0	2.222	2.331	2.473	2.392	2.350	2.300	2.350	2.346	2.466	2.523
69.0	1.496	1.583	1.740	1.677	1.644	1.541	1.512	1.528	1.646	1.745
72.0	0.7201	0.7726	0.9291	0.8493	0.8286	0.7217	0.7124	0.7260	0.8132	0.8650
75.0	0.1911	0.1878	0.2702	0.2227	0.1615	0.1665	0.1463	0.1733	0.1572	0.1903
78.0	0.1466	0.1223	0.1136	0.1291	0.1005	0.1226	0.1004	0.1247	0.1070	0.1357
81.0	0.1094	0.0830	0.0764	0.0963	0.0655	0.0875	0.0634	0.0875	0.0699	0.0985
84.0	0.0767	0.0611	0.0480	0.0657	0.0392	0.0591	0.0392	0.0635	0.0415	0.0679
87.0	0.0570	0.0459	0.0306	0.0438	0.0240	0.0372	0.0284	0.0416	0.0349	0.0438
90.0	0.0481	0.0481	0.0306	0.0590	0.0219	0.0284	0.0284	0.0306	0.0306	0.0284
G/C	300.0	315.0	330.0	345.0						
0.0	11411	11438	10937	11084						
3.0	9715	10032	11006	10683						
6.0	6454	6958	8121	7821						
9.0	3174	3398	4197	3960						
12.0	1956	2052	2353	2247						
15.0	1214	1265	1474	1399						
18.0	787.4	810.6	907.3	868.2						
21.0	573.0	587.6	630.7	607.1						

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	413.4	427.3	463.6	446.4
27.0	290.9	300.4	331.6	319.9
30.0	198.3	205.0	227.3	218.8
33.0	128.3	133.0	151.8	145.1
36.0	77.23	81.58	93.94	90.77
39.0	45.90	49.10	57.18	55.40
42.0	26.13	28.04	33.09	31.93
45.0	17.07	18.36	21.15	20.33
48.0	8.816	9.427	11.26	10.68
51.0	5.476	5.445	5.604	5.504
54.0	6.110	5.901	5.408	5.423
57.0	6.559	6.467	6.233	6.369
60.0	5.234	5.258	5.700	5.649
63.0	3.677	3.676	4.032	3.950
66.0	2.765	2.777	2.966	2.852
69.0	2.021	2.029	2.157	2.083
72.0	1.224	1.272	1.399	1.327
75.0	0.4433	0.5153	0.6302	0.5852
78.0	0.1332	0.1576	0.1572	0.1751
81.0	0.0873	0.1138	0.1070	0.1247
84.0	0.0588	0.0788	0.0677	0.0919
87.0	0.0306	0.0547	0.0371	0.0635
90.0	0.0284	0.0306	0.0328	0.0372

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: