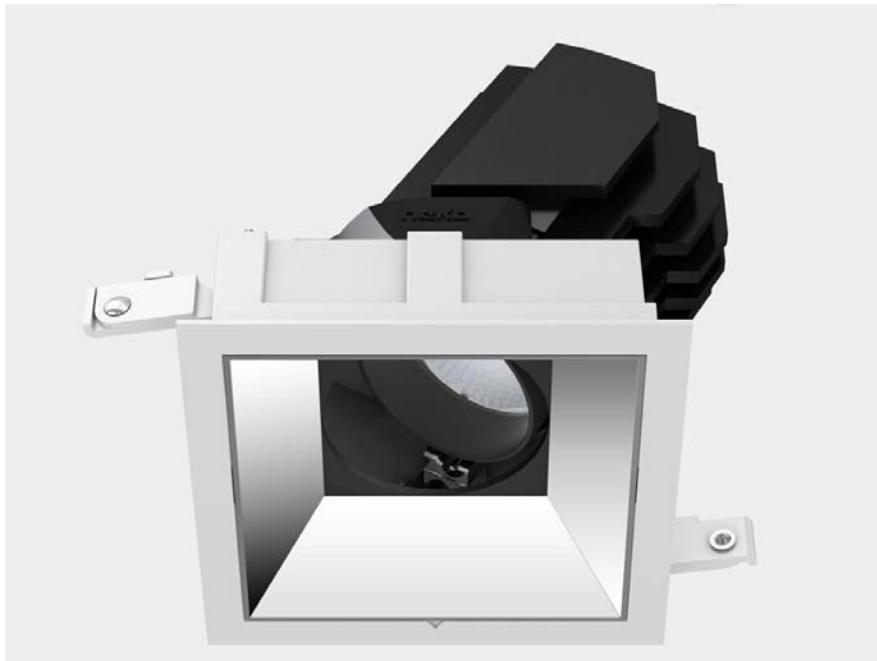


LED Downlight SENSE Series S150S1-25W-930-M



Light Output Ratio:	100.0%	
Luminaire Power:	27.78 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.60	fine grid method.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-22

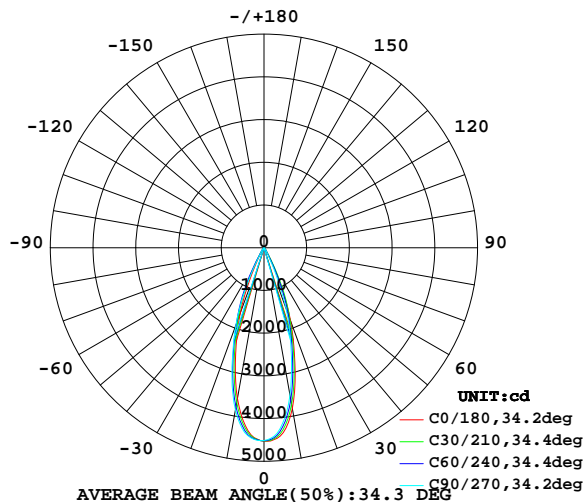
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

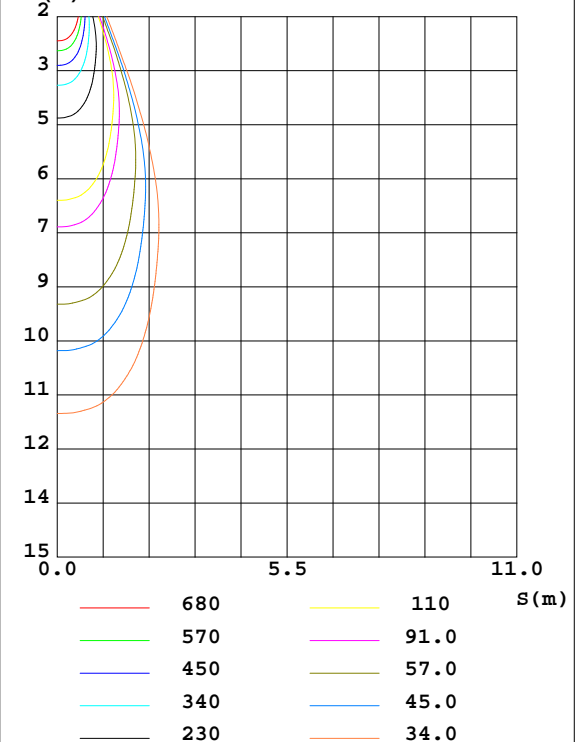
Test:U:220.7V I:0.1319A P:27.78W PF:0.9548 Lamp Flux:1661.31x1 lm		
NAME: S150S1-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L162mm*W162mm*H188mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 59.80 lm/W			
MODEL	CITIZEN-3000K	I <sub>max</sub> (cd)	4532	S/MH(C0/180)	0.55
NOMINAL POWER(W)	28	LOR(%)	100.0	S/MH(C90/270)	0.59
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1661.3	η UP,DN(C0-180)	0.0,47.3
NOMINAL FLUX(lm)	1661.31	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,52.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	0.60

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



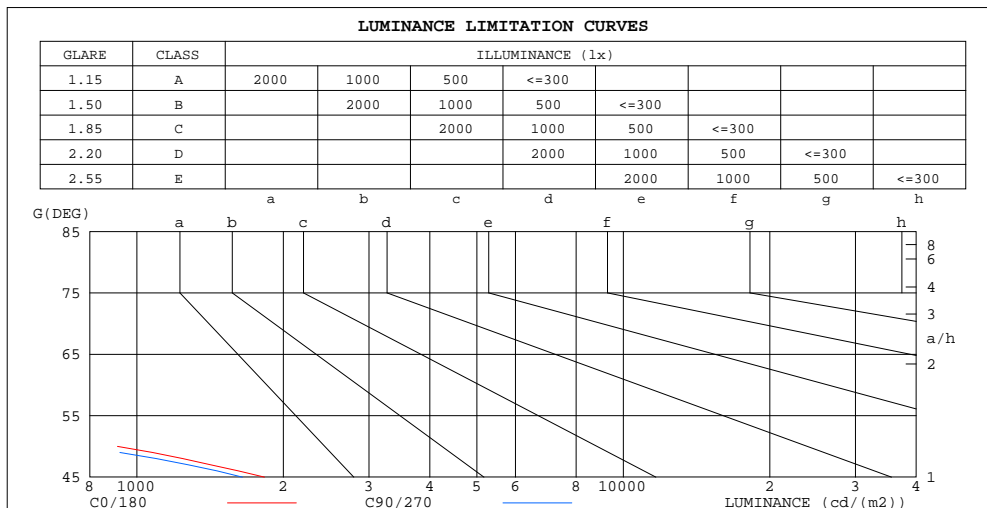
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-22

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:

**ZONAL FLUX DIAGRAM  
AND LUMINANCE LIMITATION CURVES**

**ZONAL FLUX DIAGRAM:**

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	3822	3688	3506	3477	3585	3712	3860	3901	0- 10	393.6	393.6	23.7,23.7
20	1821	1744	1511	1620	1626	1826	1923	1990	10- 20	738.5	1132	68.1,68.1
30	245.4	349.3	176.5	293.0	213.0	385.3	260.9	501.8	20- 30	408.5	1541	92.7,92.7
40	60.77	70.70	55.14	67.79	57.82	75.03	64.67	78.19	30- 40	81.85	1622	97.7,97.7
50	15.39	23.11	10.25	21.66	13.79	24.46	17.51	26.69	40- 50	31.10	1654	99.5,99.5
60	1.082	2.409	0.8453	2.328	1.238	2.736	1.404	3.039	50- 60	6.771	1660	99.9,99.9
70	0.3937	0.2709	0.3720	0.3340	0.4035	0.4288	0.4189	0.3020	60- 70	0.7345	1661	100,100
80	0.1165	0.1418	0.1182	0.1437	0.1064	0.0918	0.0678	0.0722	70- 80	0.1765	1661	100,100
90	0.1093	0.1028	0.1137	0.1050	0.1050	0.0918	0.0590	0.0634	80- 90	0.1079	1661	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		



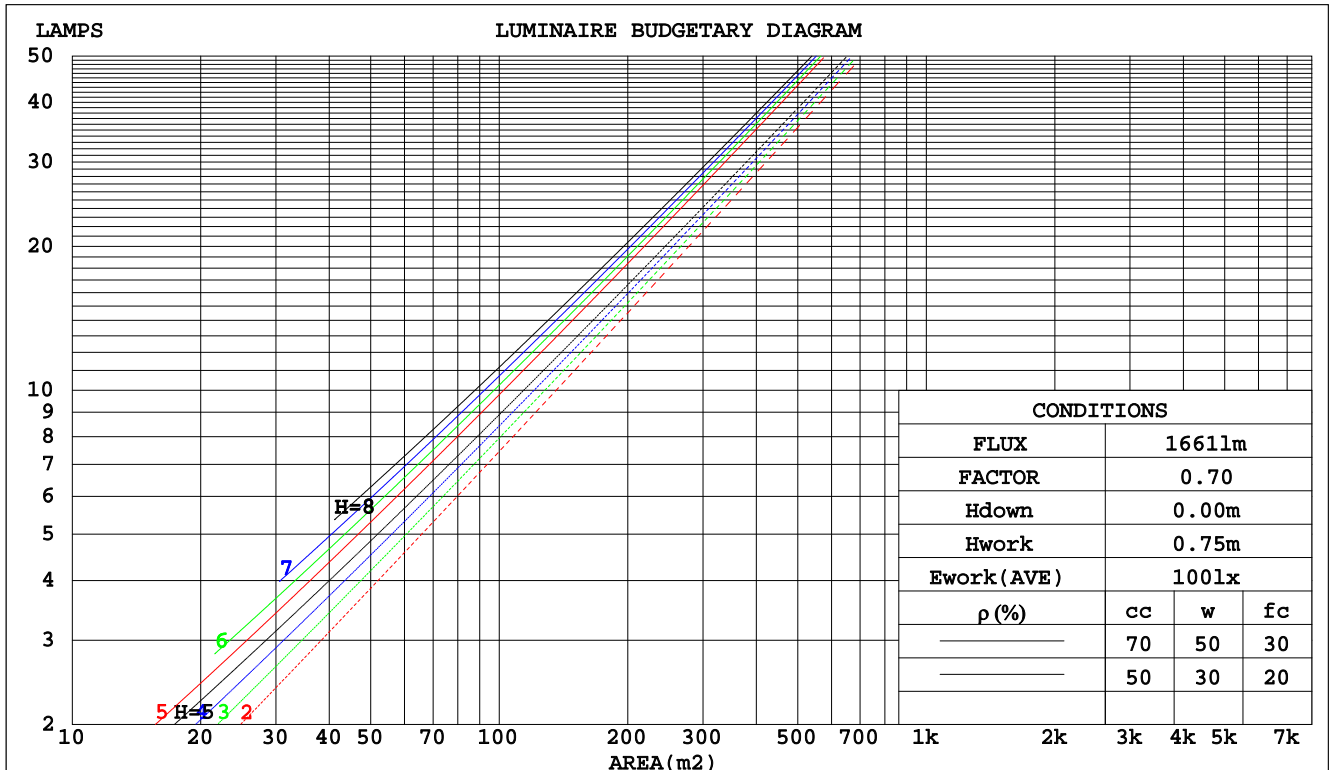
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.7V I:0.1319A P:27.78W PF:0.9548 Lamp Flux:1661.31lx1 lm		
NAME: S150S1-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L162mm*W162mm*H188mm	
MFR.: NEKO LIGHTING AG		

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



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-22

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:

WEC AND CCEC

Test:U:220.7V I:0.1319A P:27.78W PF:0.9548 Lamp Flux:1661.31lx1 lm		
NAME: S150S1-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L162mm*W162mm*H188mm	
MFR.: NEKO LIGHTING AG		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.148	.084	.027	.142	.081	.026	.129	.074	.024	.118	.068	.022	.107	.062	.020	
2.0	.139	.076	.023	.133	.073	.023	.123	.068	.021	.114	.064	.020	.105	.059	.019	
3.0	.131	.069	.021	.126	.067	.020	.117	.064	.019	.109	.060	.018	.102	.056	.017	
4.0	.123	.064	.019	.119	.062	.018	.112	.059	.018	.105	.056	.017	.099	.054	.016	
5.0	.117	.060	.017	.113	.058	.017	.107	.056	.016	.101	.053	.016	.096	.051	.015	
6.0	.111	.056	.016	.108	.055	.016	.103	.053	.015	.098	.051	.015	.093	.049	.015	
7.0	.106	.052	.015	.103	.052	.015	.099	.050	.014	.094	.048	.014	.090	.047	.014	
8.0	.101	.050	.014	.099	.049	.014	.095	.047	.014	.091	.046	.013	.087	.045	.013	
9.0	.097	.047	.013	.095	.046	.013	.091	.045	.013	.088	.044	.013	.085	.043	.012	
10.0	.093	.045	.012	.092	.044	.012	.088	.043	.012	.085	.042	.012	.082	.041	.012	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	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	.088	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.117	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.138	.113	.094	.118	.098	.082	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.126	.098	.077	.108	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.116	.086	.064	.100	.074	.056	.069	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.108	.076	.054	.092	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.100	.068	.046	.086	.059	.040	.060	.042	.028	.035	.024	.017	.011	.008	.006	
8.0	.094	.062	.039	.081	.054	.034	.056	.038	.024	.033	.022	.015	.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	.072	.045	.026	.050	.032	.019	.029	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-06-22

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:

UGR(Unified Glare Rating) Table

Test:U:220.7V I:0.1319A P:27.78W PF:0.9548 Lamp Flux:1661.31lx1 lm										
NAME: S150S1-25W-930-M					TYPE:Downlight			SERIAL No.:		
SPEC.:3000K					DIM.: L162mm*W162mm*H188mm					
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	5.2	5.9	5.4	6.1	6.2	4.4	5.1	4.6	5.3	5.4
3H	5.1	5.7	5.3	5.9	6.1	4.2	4.9	4.5	5.1	5.3
4H	5.0	5.6	5.2	5.8	6.0	4.1	4.8	4.4	5.0	5.2
6H	4.9	5.5	5.2	5.7	6.0	4.1	4.7	4.3	4.9	5.1
8H	4.8	5.4	5.1	5.7	5.9	4.0	4.6	4.3	4.8	5.1
12H	4.8	5.4	5.1	5.6	5.9	4.0	4.5	4.3	4.8	5.1
4H 2H	5.0	5.6	5.2	5.8	6.1	4.2	4.8	4.4	5.0	5.2
3H	4.8	5.4	5.1	5.6	5.9	4.0	4.6	4.3	4.8	5.1
4H	4.7	5.2	5.1	5.5	5.8	3.9	4.4	4.2	4.7	5.0
6H	4.6	5.1	5.0	5.4	5.7	3.8	4.3	4.2	4.6	4.9
8H	4.6	5.0	5.0	5.3	5.7	3.7	4.2	4.1	4.5	4.9
12H	4.5	4.9	4.9	5.3	5.7	3.7	4.1	4.1	4.4	4.8
8H 4H	4.6	5.0	5.0	5.3	5.7	3.7	4.2	4.1	4.5	4.9
6H	4.5	4.8	4.9	5.2	5.6	3.6	4.0	4.1	4.4	4.8
8H	4.4	4.7	4.8	5.1	5.6	3.6	3.9	4.0	4.3	4.7
12H	4.3	4.6	4.8	5.0	5.5	3.5	3.8	4.0	4.2	4.7
12H 4H	4.5	4.9	4.9	5.3	5.7	3.7	4.1	4.1	4.4	4.8
6H	4.4	4.7	4.8	5.1	5.6	3.6	3.9	4.0	4.3	4.7
8H	4.3	4.6	4.8	5.0	5.5	3.5	3.8	4.0	4.2	4.7
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / -13.3					+ 2.5 / -13.8				
1.5H	+ 3.6 / - 8.1					+ 3.4 / - 8.1				
2.0H	+ 6.1 / -14.7					+ 5.9 / -14.8				

CIE Pub.117 Corrected 1661 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.8)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-22

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:

UTILIZATION FACTORS TABLE

Test:U:220.7V I:0.1319A P:27.78W PF:0.9548 Lamp Flux:1661.31x1 lm		
NAME: S150S1-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L162mm*W162mm*H188mm	
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	90	84	81	90	84	81	89	84	81	77
0.80	97	92	88	97	92	88	95	91	88	85
1.00	101	96	93	100	96	92	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	113	112	113	112	110	110	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.7V I:0.1319A P:27.78W PF:0.9548 Lamp Flux:1661.3lx1 lm		
NAME: S150S1-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L162mm*W162mm*H188mm	
MFR.: NEKO LIGHTING AG		

Conical surface Flux(90deg):

1641.9 lm

%lum = 98.8%

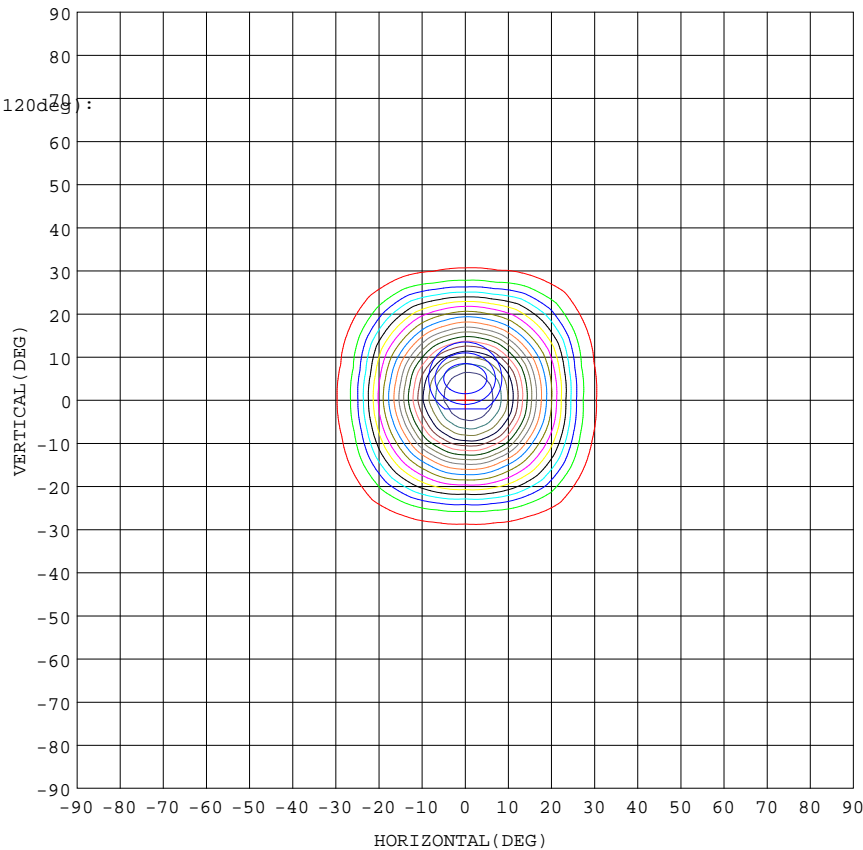
%lamp = 98.8%

Conical surface Flux(120deg):

1660.3 lm

%lum = 99.9%

%lamp = 99.9%



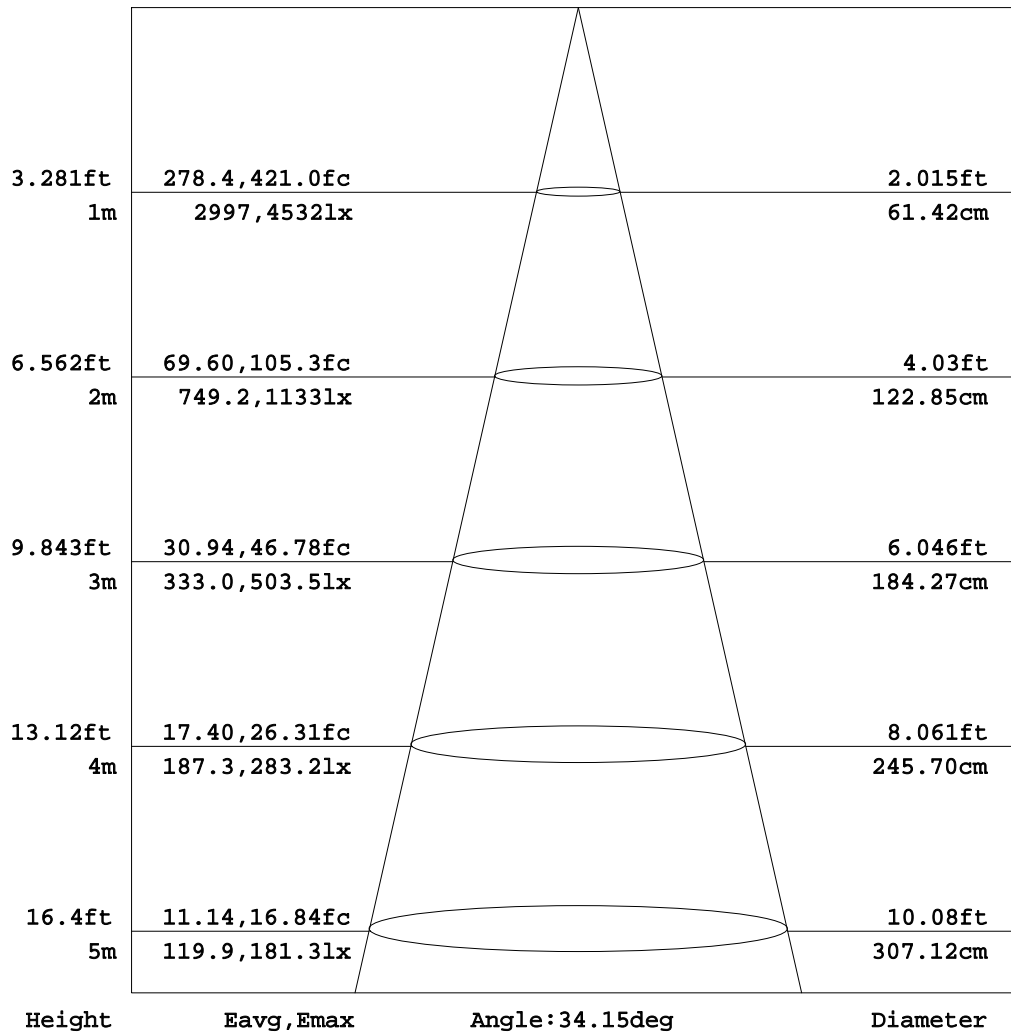
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-22

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:

AAI Figure

Test:U:220.7V I:0.1319A P:27.78W PF:0.9548 Lamp Flux:1661.31x1 lm		
NAME: S150S1-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L162mm*W162mm*H188mm	
MFR.: NEKO LIGHTING AG		

Flux out:994.0 lm



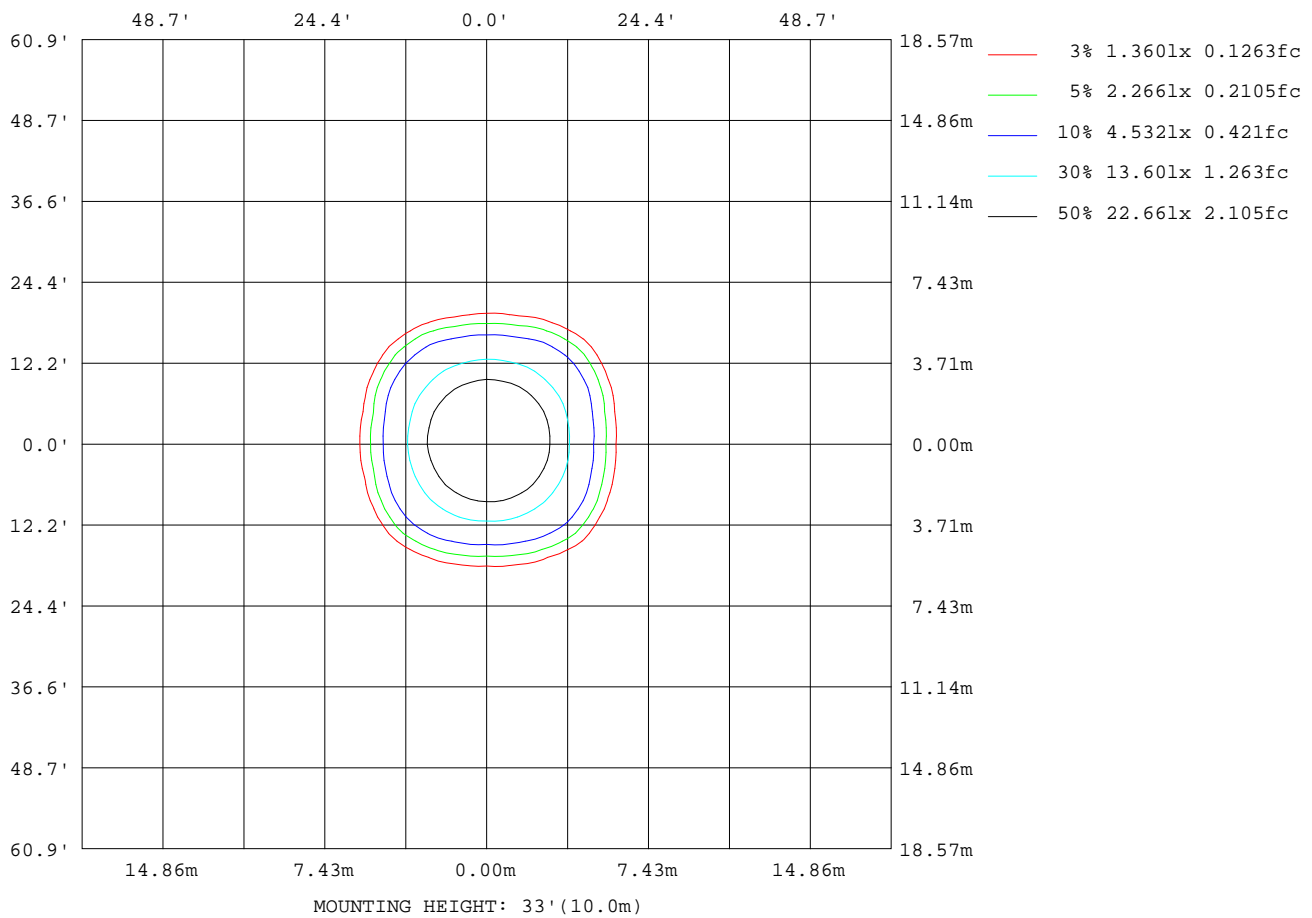
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-22

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:

ISOLUX DIAGRAM

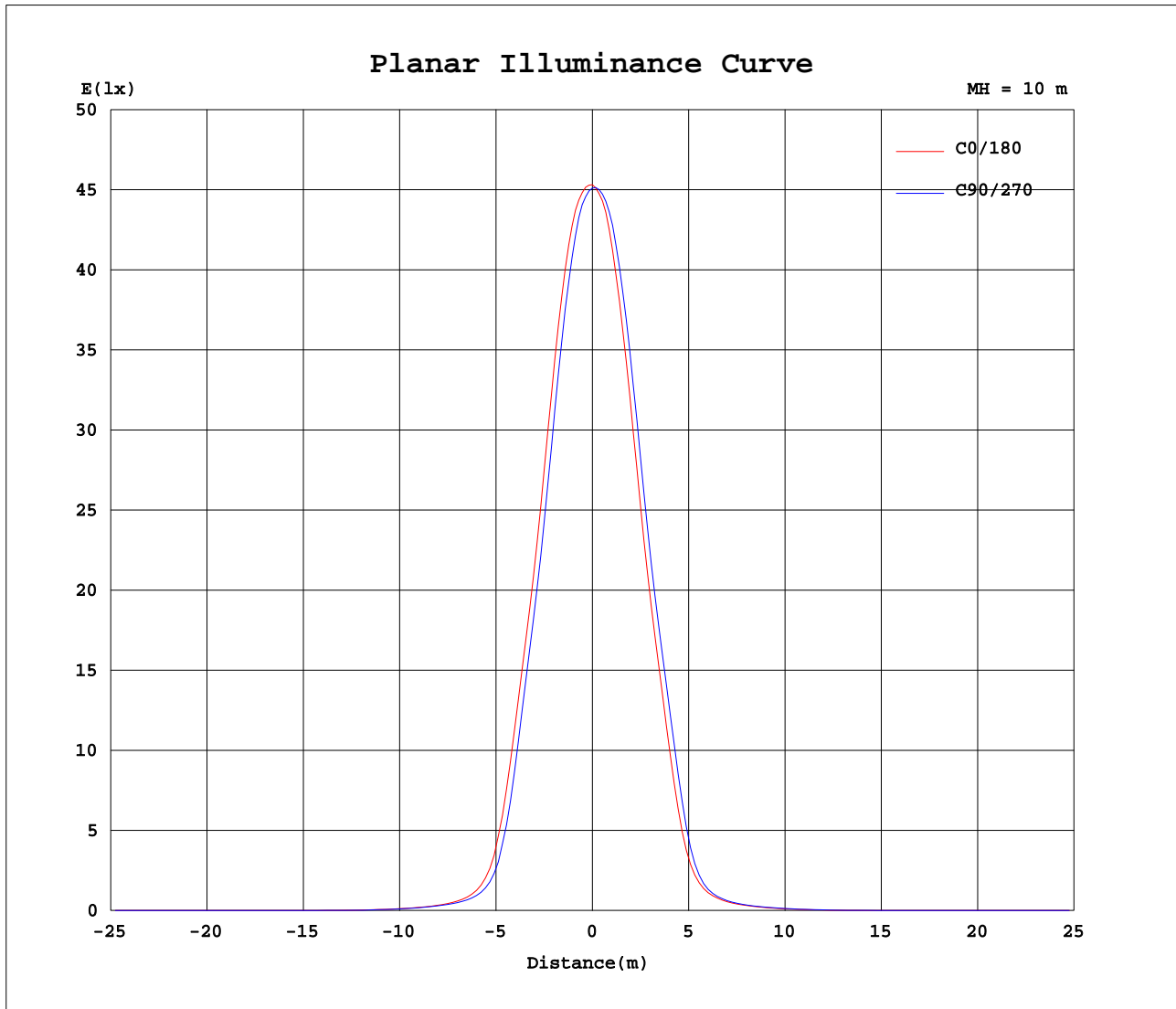
Test:U:220.7V I:0.1319A P:27.78W PF:0.9548 Lamp Flux:1661.3lx1 lm		
NAME: S150S1-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L162mm*W162mm*H188mm	
MFR.: NEKO LIGHTING AG		



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-22

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:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

```

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:

```

```

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	4532	4526	4524	4520	4517	4515	4511	4511	4506	4507
3.0	4500	4496	4481	4475	4453	4445	4425	4419	4407	4410
6.0	4346	4328	4284	4260	4212	4190	4146	4132	4103	4113
9.0	3981	3957	3885	3858	3789	3761	3692	3688	3641	3656
12.0	3442	3421	3349	3318	3216	3171	3090	3096	3063	3091
15.0	2799	2779	2710	2688	2570	2527	2457	2462	2443	2489
18.0	2198	2172	2113	2084	1995	1956	1903	1917	1906	1940
21.0	1622	1638	1611	1585	1503	1394	1300	1366	1428	1463
24.0	997.7	1053	1135	1126	990.9	799.0	704.2	779.3	929.1	993.4
27.0	489.1	541.8	664.6	677.9	531.6	377.2	328.5	366.9	487.5	572.2
30.0	245.4	260.2	322.3	349.3	246.3	192.9	176.5	188.0	232.6	293.0
33.0	143.8	146.7	163.9	182.7	136.0	120.1	114.0	118.5	130.0	159.9
36.0	96.21	100.0	102.6	109.1	94.33	87.09	82.25	86.92	91.98	103.7
39.0	68.36	73.41	76.41	77.58	72.12	65.88	61.10	66.21	70.43	74.21
42.0	48.96	54.34	58.88	59.69	54.98	48.51	44.27	49.65	53.59	56.94
45.0	33.95	38.57	42.30	44.04	39.72	34.26	30.57	35.00	38.32	41.87
48.0	21.80	25.20	28.57	30.31	26.75	21.99	19.24	22.09	25.68	28.97
51.0	9.773	13.77	18.02	19.99	16.72	9.881	8.526	9.597	16.06	18.56
54.0	5.494	6.091	8.455	12.06	7.168	5.432	4.667	5.288	6.879	11.11
57.0	2.785	3.147	4.240	5.107	3.850	2.680	2.193	2.647	3.720	4.726
60.0	1.082	1.319	2.107	2.409	1.772	1.116	0.8453	1.119	1.750	2.328
63.0	0.5494	0.5309	0.8238	1.045	0.6700	0.5550	0.5755	0.5702	0.6744	1.091
66.0	0.4507	0.4174	0.4639	0.4260	0.4005	0.4392	0.4530	0.4239	0.4072	0.5112
69.0	0.4090	0.3584	0.3611	0.3036	0.2846	0.3759	0.4003	0.3561	0.2736	0.3779
72.0	0.1320	0.2609	0.2889	0.2338	0.2386	0.3022	0.1208	0.2789	0.2255	0.2074
75.0	0.1191	0.2297	0.1116	0.1809	0.0963	0.2619	0.1198	0.2458	0.1606	0.1713
78.0	0.1172	0.1985	0.1072	0.1575	0.0962	0.2215	0.1188	0.2128	0.1285	0.1547
81.0	0.1164	0.1673	0.1065	0.1340	0.0962	0.1812	0.1179	0.1798	0.1093	0.1381
84.0	0.1161	0.1361	0.1046	0.1106	0.0962	0.1409	0.1169	0.1467	0.1071	0.1215
87.0	0.1159	0.1050	0.1028	0.1028	0.0984	0.1006	0.1159	0.1137	0.1050	0.1050
90.0	0.1093	0.1050	0.1028	0.1028	0.1006	0.1006	0.1137	0.1137	0.1050	0.1050

G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	4503	4504	4532	4526	4524	4520	4517	4515	4511	4511
3.0	4399	4410	4448	4452	4463	4468	4479	4484	4491	4491
6.0	4101	4123	4189	4201	4242	4260	4302	4316	4349	4358
9.0	3636	3678	3756	3776	3847	3872	3934	3955	4006	4012
12.0	3072	3111	3192	3217	3309	3350	3431	3454	3507	3523
15.0	2464	2496	2566	2587	2698	2748	2833	2833	2895	2908
18.0	1923	1941	1996	2021	2114	2169	2238	2233	2292	2298
21.0	1442	1408	1424	1477	1619	1668	1726	1710	1740	1757
24.0	957.1	849.8	834.3	893.9	1129	1204	1256	1143	1120	1179
27.0	531.4	416.2	407.9	444.5	643.7	743.4	760.5	605.2	554.4	626.6
30.0	255.5	213.3	213.0	224.1	306.9	385.3	368.5	265.6	260.9	282.2
33.0	139.6	131.8	132.7	135.3	159.3	195.9	174.5	146.3	148.8	156.4
36.0	93.95	89.68	89.51	94.43	103.6	114.7	107.6	99.31	98.80	104.8
39.0	71.50	66.03	64.29	69.85	77.86	82.02	80.39	73.80	71.35	76.88
42.0	53.94	48.37	46.66	51.90	59.43	63.14	61.80	54.51	52.69	57.14
45.0	38.58	33.59	31.88	36.91	43.16	46.87	45.68	39.54	37.40	41.46
48.0	25.98	21.64	20.43	23.69	29.30	32.23	31.26	26.15	24.51	27.35
51.0	16.16	10.32	9.379	11.67	18.35	21.05	19.81	14.74	13.64	15.95
54.0	7.168	5.653	5.311	6.085	8.474	12.72	10.15	6.749	6.467	6.893
57.0	3.943	3.063	2.835	3.305	4.558	5.815	4.782	3.455	3.193	3.492
60.0	1.898	1.399	1.238	1.502	2.322	2.736	2.353	1.600	1.404	1.600
63.0	0.8407	0.8393	0.8129	0.9296	0.9965	1.302	1.042	0.7230	0.6818	0.6642
66.0	0.5689	0.7189	0.7056	0.7920	0.6381	0.6354	0.5637	0.6147	0.5922	0.5644
69.0	0.4684	0.5392	0.4974	0.5910	0.5043	0.4682	0.4433	0.4945	0.4803	0.4530
72.0	0.2764	0.2003	0.0920	0.1727	0.2809	0.3329	0.2746	0.2351	0.1218	0.2262
75.0	0.1116	0.1056	0.0974	0.0940	0.0701	0.1819	0.0765	0.0700	0.0678	0.0634
78.0	0.1089	0.1065	0.1028	0.0984	0.0809	0.0918	0.0765	0.0678	0.0678	0.0634
81.0	0.1083	0.1075	0.1082	0.1071	0.0809	0.0918	0.0765	0.0678	0.0678	0.0656
84.0	0.1077	0.1084	0.1137	0.1060	0.0809	0.0918	0.0765	0.0678	0.0678	0.0656
87.0	0.1071	0.1093	0.1050	0.1050	0.0809	0.0918	0.0765	0.0678	0.0634	0.0656
90.0	0.1071	0.1071	0.1050	0.1028	0.0809	0.0918	0.0765	0.0634	0.0590	0.0590

G/C	300.0	315.0	330.0	345.0
0.0	4506	4507	4503	4504
3.0	4498	4498	4493	4485
6.0	4378	4372	4376	4351
9.0	4053	4045	4054	4013
12.0	3574	3561	3567	3497
15.0	2974	2960	2959	2869
18.0	2361	2354	2342	2265
21.0	1834	1822	1812	1708

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-22

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	1356	1360	1329	1113
27.0	845.4	900.9	815.8	590.9
30.0	418.2	501.8	405.5	278.9
33.0	197.2	252.0	198.5	156.3
36.0	115.6	134.7	115.7	103.2
39.0	83.75	86.81	82.79	73.48
42.0	64.27	65.11	62.68	53.74
45.0	47.13	48.51	45.78	38.71
48.0	32.81	34.49	32.14	25.34
51.0	21.17	23.10	20.62	14.61
54.0	11.38	14.32	10.74	6.529
57.0	5.117	7.182	5.090	3.396
60.0	2.455	3.039	2.610	1.521
63.0	1.048	1.345	1.080	0.5853
66.0	0.4261	0.5111	0.4347	0.4682
69.0	0.3429	0.3325	0.3124	0.3981
72.0	0.2115	0.2278	0.2380	0.2957
75.0	0.0568	0.1402	0.0874	0.1173
78.0	0.0568	0.0787	0.0853	0.1143
81.0	0.0568	0.0722	0.0853	0.1129
84.0	0.0568	0.0700	0.0853	0.1122
87.0	0.0568	0.0656	0.0853	0.1115
90.0	0.0568	0.0634	0.0831	0.1093

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-22

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: