

LED Downlight SENSE Series S150R2-25W-930-N



Light Output Ratio:	100.0%	
Luminaire Power:	27.62 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: 2017-06-17

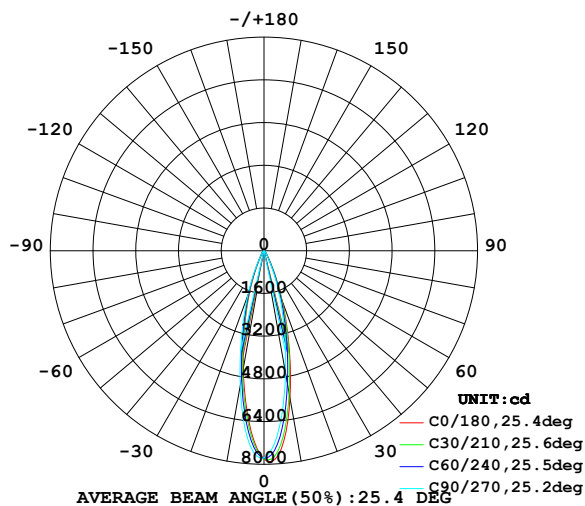
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

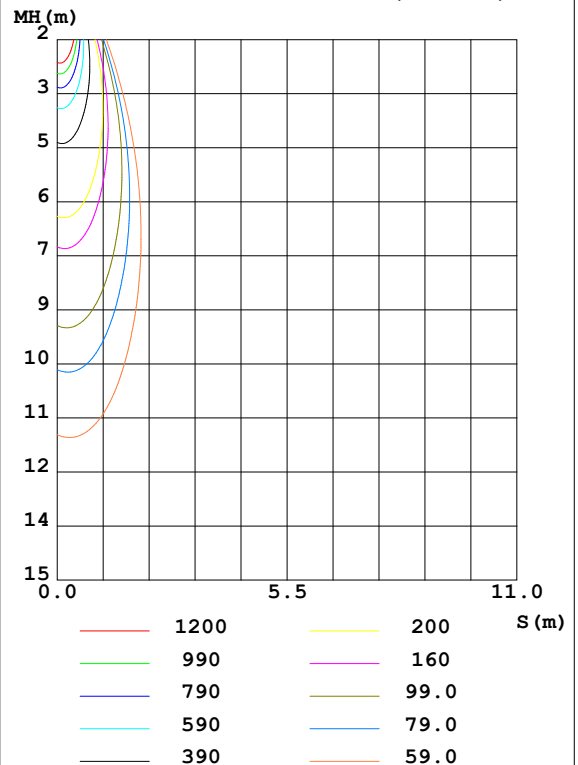
Test:U:220.7V I:0.1312A P:27.62W PF:0.9541 Lamp Flux:2058.55x1 lm		
NAME: S150R2-25W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*H188mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 74.52 lm/W			
MODEL	CITIZEN-3000K	I <sub>max</sub> (cd)	7920	S/MH (C0/180)	0.39
NOMINAL POWER (W)	28	LOR (%)	100.0	S/MH (C90/270)	0.44
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	2058.5	$\eta$ UP, DN (C0-180)	0.0, 49.3
NOMINAL FLUX (lm)	2058.55	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.0, 50.7
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



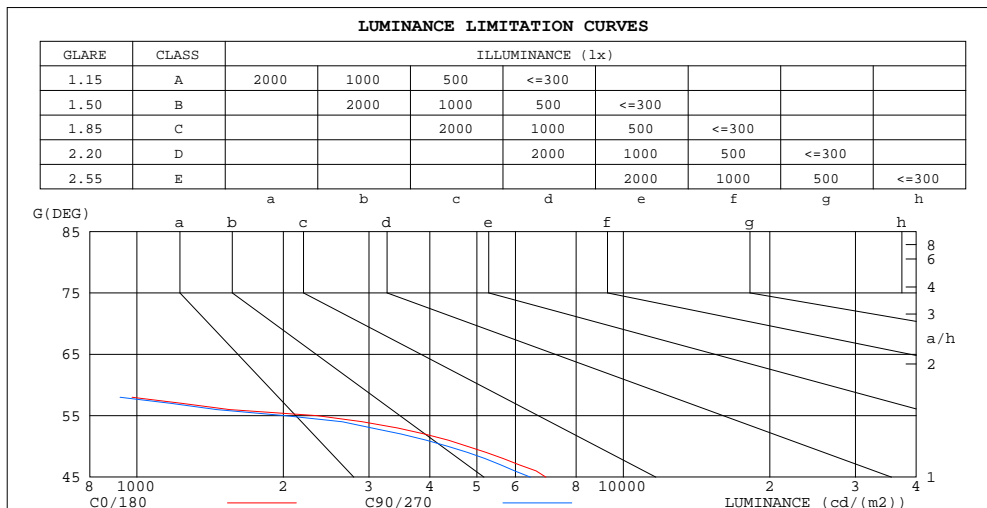
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-17

$\gamma$  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:

**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	5612	5316	4659	4384	4470	4654	5135	5528	0- 10	594.7	594.7	28.9,28.9
20	2005	1897	1585	1442	1476	1550	1759	1938	10- 20	855.2	1450	70.4,70.4
30	397.4	377.4	320.5	294.5	297.2	305.6	345.6	385.6	20- 30	382.6	1833	89,89
40	144.5	138.2	130.8	130.8	131.9	130.2	135.2	140.7	30- 40	126.8	1959	95.2,95.2
50	63.34	62.48	57.77	58.20	56.32	55.21	57.72	63.68	40- 50	73.70	2033	98.8,98.8
60	4.462	5.299	3.818	3.002	2.756	2.356	2.634	3.946	50- 60	23.84	2057	99.9,99.9
70	0.5542	0.4715	0.5149	0.4846	0.4670	0.4182	0.3753	0.4599	60- 70	1.278	2058	100,100
80	0.2099	0.1446	0.1312	0.1349	0.1137	0.1050	0.1028	0.1342	70- 80	0.2347	2058	100,100
90	0.3236	0.1487	0.1224	0.1224	0.0787	0.0765	0.0743	0.0962	80- 90	0.1486	2059	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		



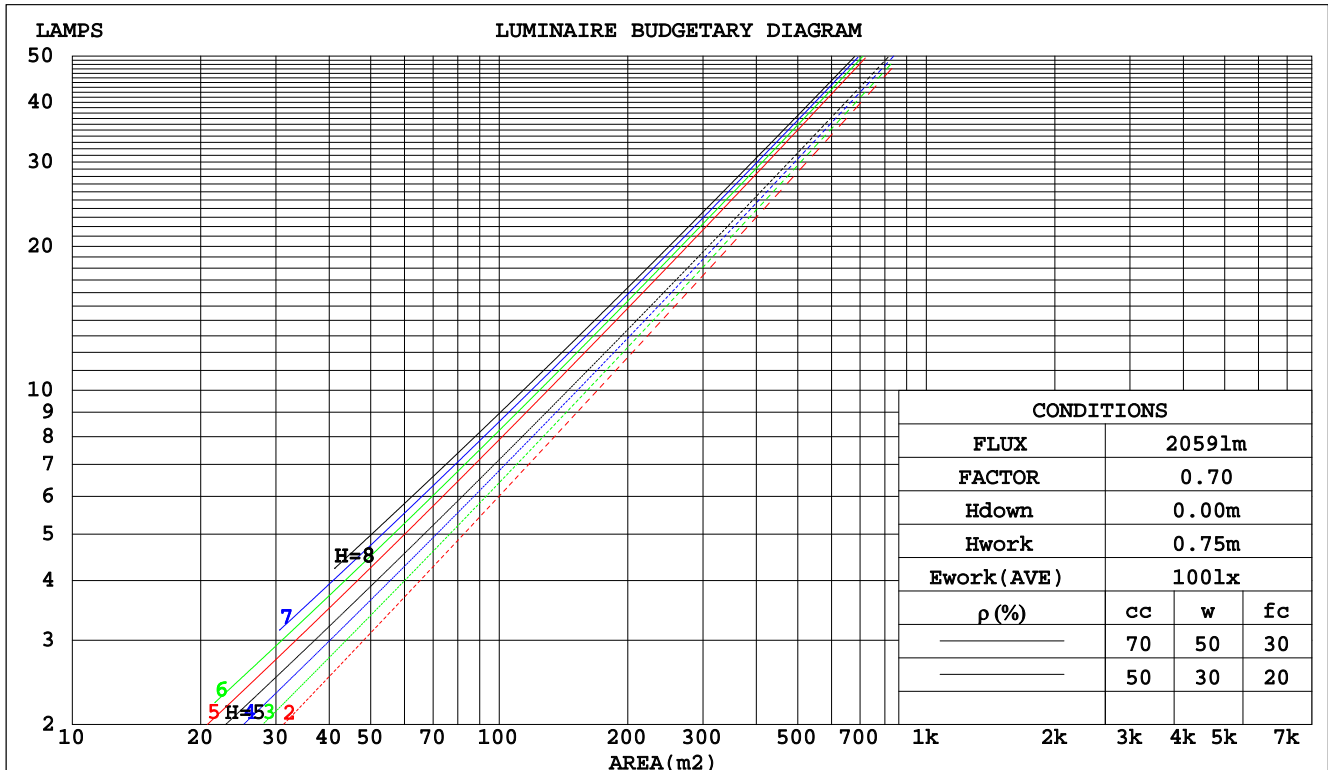
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-17

$\gamma$  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:0.1312A P:27.62W PF:0.9541 Lamp Flux:2058.55x1 lm		
NAME: S150R2-25W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*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	.00
1.0	1.12	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.03	1.01	1.00	.99	.98	.98	.96
2.0	1.06	1.03	1.00	1.05	1.02	.99	1.02	.99	.97	.99	.97	.95	.96	.95	.93	.92
3.0	1.01	.97	.94	.90	.96	.93	.97	.94	.92	.95	.93	.90	.93	.91	.89	.88
4.0	.97	.92	.89	.95	.91	.88	.93	.90	.87	.92	.89	.86	.90	.87	.85	.84
5.0	.92	.88	.84	.92	.87	.84	.90	.86	.83	.88	.85	.83	.87	.84	.82	.81
6.0	.89	.84	.81	.88	.84	.80	.87	.83	.80	.85	.82	.79	.84	.81	.79	.78
7.0	.85	.81	.77	.85	.80	.77	.83	.80	.77	.82	.79	.76	.81	.78	.76	.75
8.0	.82	.78	.74	.82	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.73	.72
9.0	.79	.75	.72	.79	.75	.72	.78	.74	.71	.77	.74	.71	.76	.73	.71	.70
10.0	.77	.72	.69	.76	.72	.69	.76	.72	.69	.75	.71	.69	.74	.71	.69	.68



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-17

$\gamma$  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:

WEC AND CCEC

Test:U:220.7V I:0.1312A P:27.62W PF:0.9541 Lamp Flux:2058.55x1 lm		
NAME: S150R2-25W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*H188mm	
MFR.: NEKO LIGHTING AG		

$\rho_{cc}$	80%			70%			50%			30%			10%			0	
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
$\rho_{fc}$	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.148	.084	.027	.141	.080	.026	.128	.074	.024	.117	.067	.022	.106	.062	.020		
2.0	.138	.076	.023	.133	.073	.023	.123	.068	.021	.113	.063	.020	.104	.059	.019		
3.0	.130	.069	.021	.125	.067	.020	.117	.063	.019	.109	.060	.018	.101	.056	.017		
4.0	.123	.064	.019	.119	.062	.018	.111	.059	.018	.105	.056	.017	.098	.053	.016		
5.0	.116	.059	.017	.113	.058	.017	.106	.055	.016	.100	.053	.016	.095	.051	.015		
6.0	.110	.055	.016	.107	.054	.016	.102	.052	.015	.097	.050	.015	.092	.048	.014		
7.0	.105	.052	.015	.102	.051	.015	.097	.049	.014	.093	.048	.014	.089	.046	.014		
8.0	.100	.049	.014	.098	.048	.014	.093	.047	.013	.090	.045	.013	.086	.044	.013		
9.0	.096	.046	.013	.094	.046	.013	.090	.044	.013	.086	.043	.012	.083	.042	.012		
10.0	.092	.044	.012	.090	.043	.012	.086	.042	.012	.083	.041	.012	.080	.040	.012		

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	.099	.074	.056	.068	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.107	.076	.054	.092	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.100	.068	.046	.086	.059	.040	.059	.041	.028	.034	.024	.017	.011	.008	.006	
8.0	.094	.062	.040	.081	.053	.035	.056	.038	.025	.032	.022	.015	.010	.007	.005	
9.0	.088	.056	.034	.076	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.083	.051	.030	.072	.045	.026	.050	.031	.019	.029	.019	.011	.009	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-06-17

$\gamma$  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:

UGR(Unified Glare Rating) Table

Test:U:220.7V I:0.1312A P:27.62W PF:0.9541 Lamp Flux:2058.55x1 lm										
NAME: S150R2-25W-930-N					TYPE:Downlight			SERIAL No.:		
SPEC.:3000K					DIM.: $\phi$ 162mm*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	11.0	11.7	11.2	11.9	12.0	10.3	11.1	10.5	11.2	11.4
3H	10.8	11.5	11.1	11.7	11.9	10.2	10.9	10.4	11.0	11.2
4H	10.8	11.4	11.0	11.6	11.8	10.1	10.7	10.4	11.0	11.2
6H	10.7	11.3	11.0	11.5	11.8	10.0	10.6	10.3	10.9	11.1
8H	10.6	11.2	10.9	11.5	11.7	10.0	10.6	10.3	10.8	11.1
12H	10.6	11.2	10.9	11.4	11.7	9.9	10.5	10.2	10.7	11.0
4H 2H	10.8	11.4	11.1	11.7	11.9	10.1	10.8	10.4	11.0	11.2
3H	10.6	11.2	10.9	11.5	11.7	10.0	10.5	10.3	10.8	11.1
4H	10.5	11.0	10.9	11.3	11.6	9.9	10.4	10.2	10.7	11.0
6H	10.4	10.9	10.8	11.2	11.6	9.8	10.2	10.1	10.6	10.9
8H	10.4	10.8	10.8	11.2	11.5	9.7	10.1	10.1	10.5	10.9
12H	10.3	10.7	10.7	11.1	11.5	9.7	10.1	10.1	10.4	10.8
8H 4H	10.4	10.8	10.8	11.2	11.5	9.7	10.1	10.1	10.5	10.9
6H	10.3	10.6	10.7	11.0	11.4	9.6	10.0	10.0	10.4	10.8
8H	10.2	10.5	10.7	10.9	11.4	9.6	9.9	10.0	10.3	10.7
12H	10.2	10.4	10.6	10.9	11.3	9.5	9.8	10.0	10.2	10.7
12H 4H	10.3	10.7	10.7	11.1	11.5	9.7	10.1	10.1	10.4	10.8
6H	10.2	10.5	10.7	10.9	11.4	9.6	9.9	10.0	10.3	10.7
8H	10.2	10.4	10.6	10.9	11.3	9.5	9.8	10.0	10.2	10.7
Variations with the observer position at spacings:										
S = 1.0H	+ 2.4 / - 9.1					+ 2.3 / - 8.9				
1.5H	+ 2.1 / - 6.3					+ 2.0 / - 5.9				
2.0H	+ 5.3 / -18.3					+ 5.0 / -18.0				

CIE Pub.117 Corrected 2059 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.5)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-17

$\gamma$  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:

UTILIZATION FACTORS TABLE

Test:U:220.7V I:0.1312A P:27.62W PF:0.9541 Lamp Flux:2058.55x1 lm		
NAME: S150R2-25W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*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) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	79	88	82	79	87	82	78	75
0.80	96	90	87	95	90	86	94	89	86	83
1.00	100	95	91	99	94	91	98	94	90	87
1.25	104	99	96	103	98	95	101	97	95	91
1.50	107	102	99	105	101	98	103	100	97	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	103	101	96
3.00	112	109	106	110	107	105	107	105	103	97
4.00	114	111	109	112	110	108	108	107	105	98
5.00	115	113	111	113	111	110	109	108	107	99
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:2017-06-17

$\gamma$  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:0.1312A P:27.62W PF:0.9541 Lamp Flux:2058.55x1 lm		
NAME: S150R2-25W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*H188mm	
MFR.: NEKO LIGHTING AG		

Conical surface Flux(90deg):

2001.9 lm

%lum = 97.2%

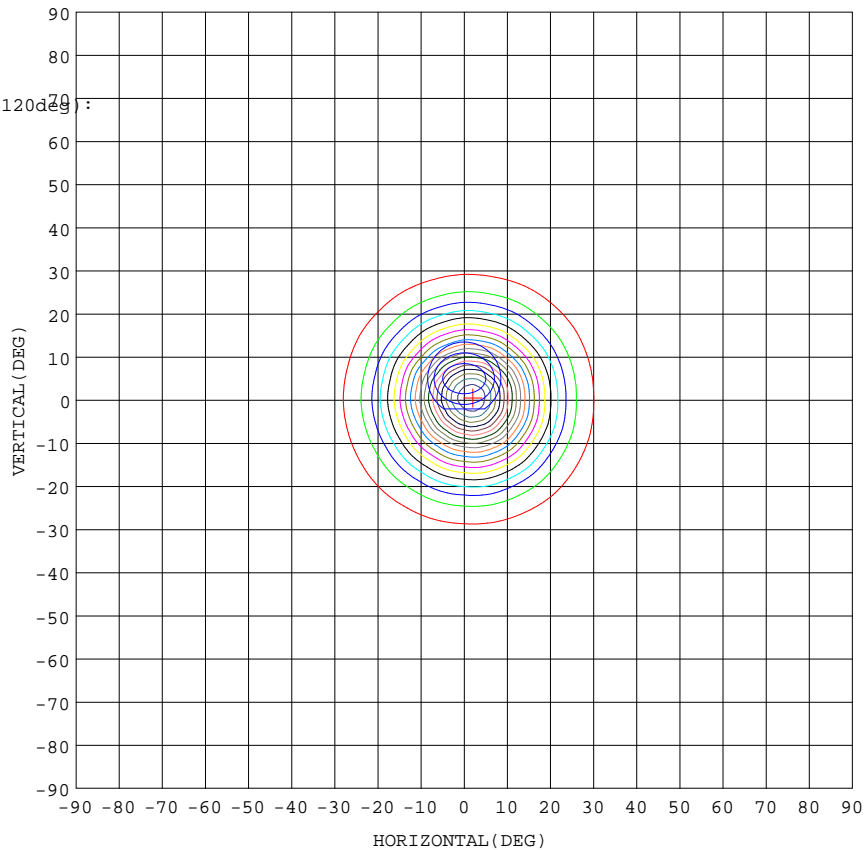
%lamp = 97.2%

Conical surface Flux(120deg):

2056.9 lm

%lum = 99.9%

%lamp = 99.9%



5%	395.7
10%	791.5
15%	1187
20%	1583
25%	1979
30%	2374
35%	2770
40%	3166
45%	3562
50%	3957
55%	4353
60%	4749
65%	5145
70%	5540
75%	5936
80%	6332
85%	6728
90%	7123
95%	7519

1. AVG=6773,MIN=5580
2. AVG=6476,MIN=4626
3. AVG=6100,MIN=3699

Imax:7915 (H2.0,V0.5)  
(At:C=345.0,Gamma=2.0)

UNIT: cd

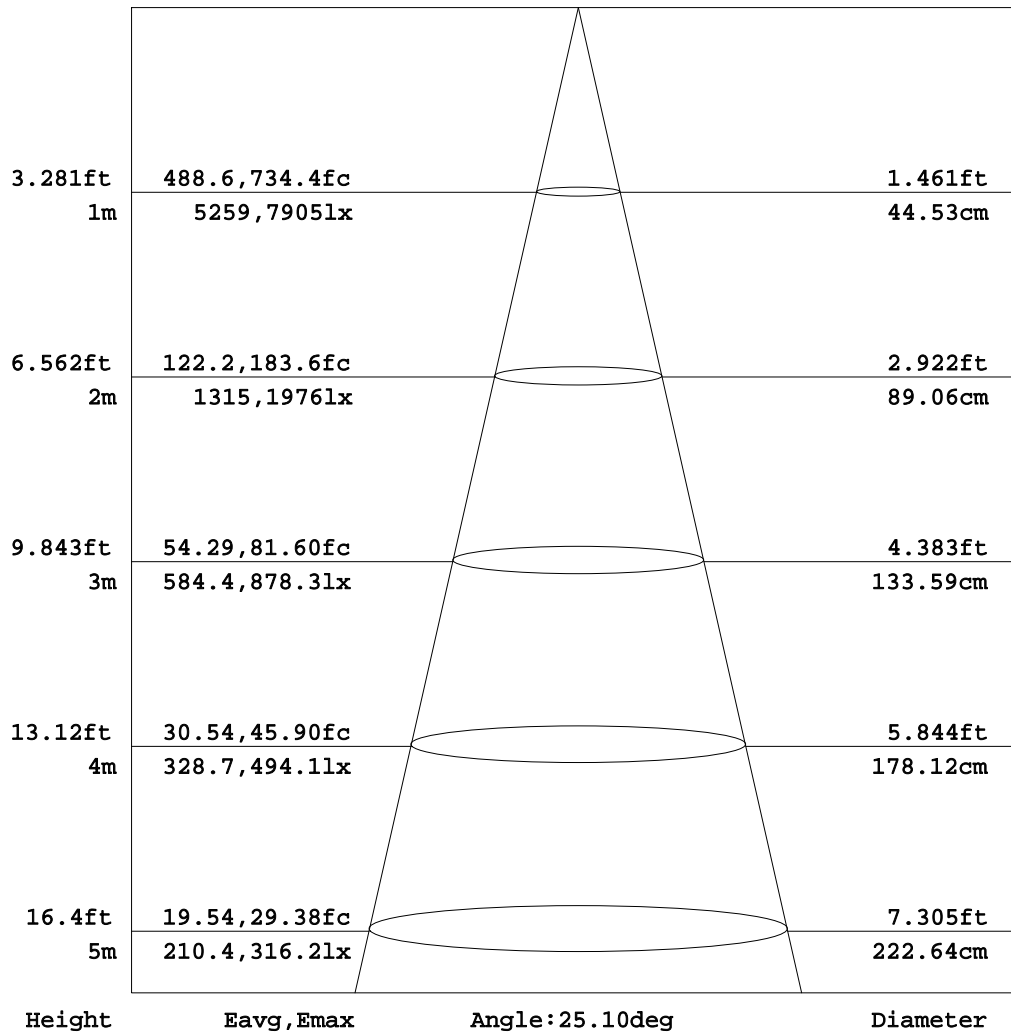
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-17

$\gamma$  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:

**AAI Figure**

Test:U:220.7V I:0.1312A P:27.62W PF:0.9541 Lamp Flux:2058.55x1 lm		
NAME: S150R2-25W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*H188mm	
MFR.: NEKO LIGHTING AG		

Flux out:880.7 lm



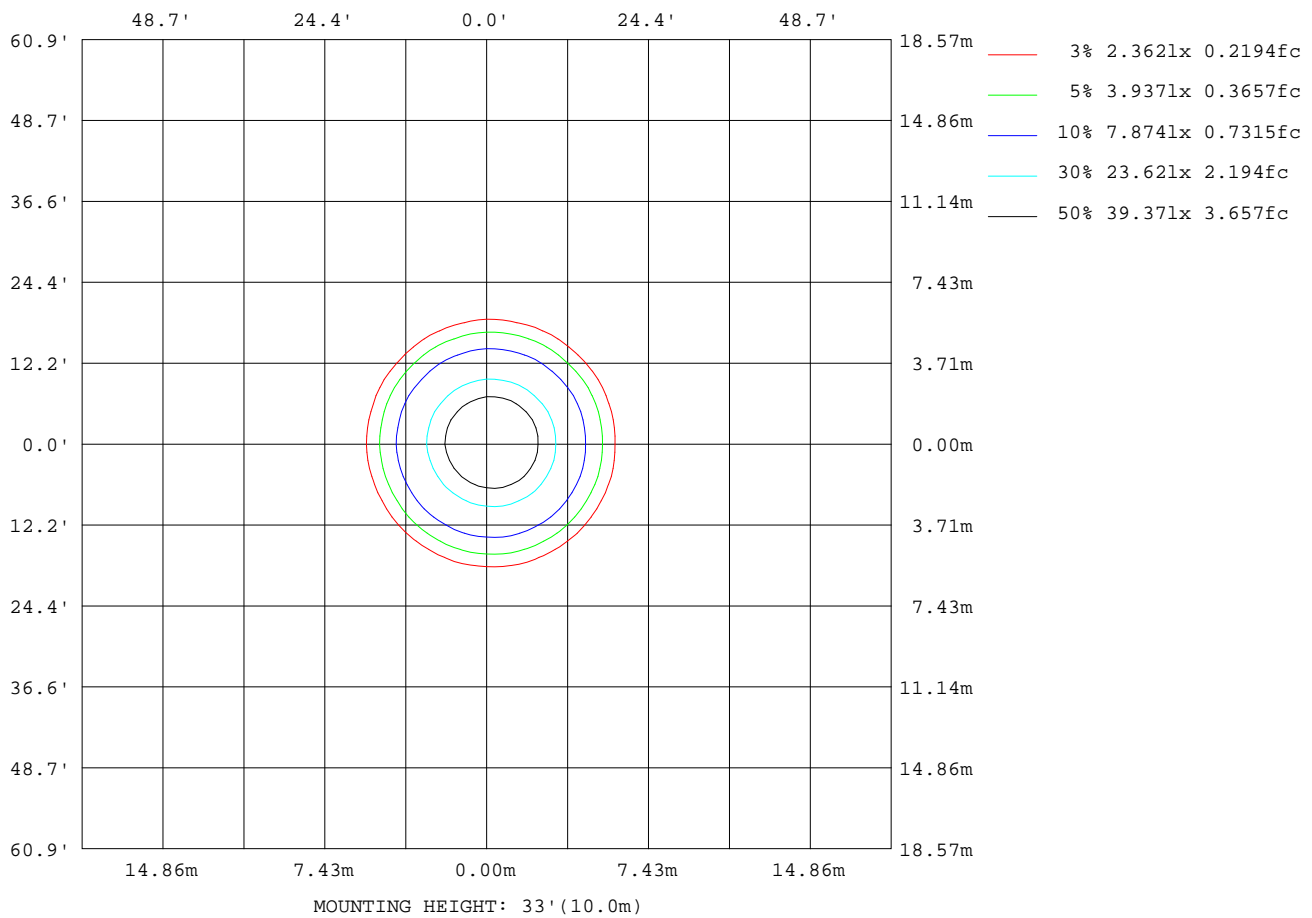
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-17

$\gamma$  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:

**ISOLUX DIAGRAM**

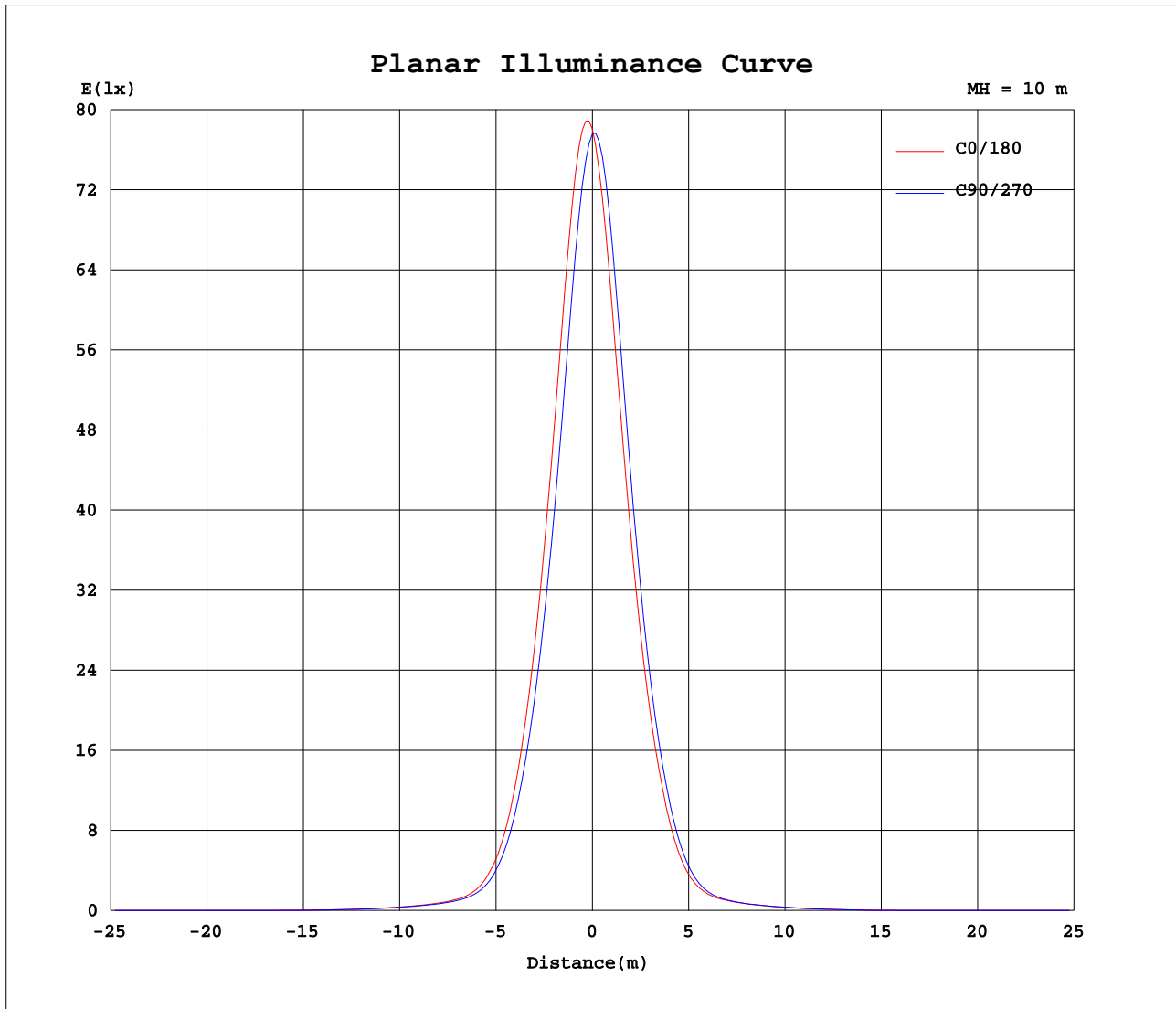
Test:U:220.7V I:0.1312A P:27.62W PF:0.9541 Lamp Flux:2058.55x1 lm		
NAME: S150R2-25W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*H188mm	
MFR.: NEKO LIGHTING AG		



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-17

$\gamma$  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:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-17

$\gamma$  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	7806	7790	7797	7768	7769	7765	7758	7765	7755	7776
3.0	7825	7792	7706	7628	7496	7404	7268	7201	7097	7087
6.0	7156	7126	6972	6862	6634	6481	6267	6167	6014	5995
9.0	6030	6014	5837	5729	5465	5298	5061	4955	4798	4783
12.0	4776	4768	4611	4520	4283	4126	3911	3809	3670	3651
15.0	3602	3612	3485	3415	3217	3089	2904	2819	2698	2680
18.0	2583	2598	2500	2450	2297	2205	2060	1993	1893	1880
21.0	1748	1762	1690	1656	1545	1491	1377	1328	1253	1239
24.0	1111	1121	1073	1050	976.7	934.4	863.9	830.4	778.0	766.8
27.0	668.3	675.4	642.2	631.3	593.2	561.6	519.1	498.8	468.6	462.5
30.0	397.4	401.9	386.1	377.4	353.7	341.3	320.5	310.9	296.6	294.5
33.0	255.5	257.9	248.5	243.5	232.4	227.6	219.8	216.4	211.1	210.9
36.0	191.5	195.4	187.8	182.4	174.5	173.0	169.6	169.1	167.1	168.2
39.0	154.0	159.3	153.4	147.4	140.7	140.4	139.4	139.3	137.3	138.1
42.0	127.5	132.4	128.2	121.0	116.4	115.3	115.0	115.2	115.2	114.9
45.0	100.9	105.6	101.9	97.96	94.81	95.15	93.81	95.20	95.64	96.06
48.0	78.09	80.44	79.09	76.26	73.08	72.07	71.66	71.93	71.47	71.64
51.0	56.61	58.10	56.51	55.62	52.39	51.68	51.00	51.86	51.12	51.73
54.0	35.22	36.30	35.39	35.70	33.64	33.02	32.01	32.65	31.90	32.39
57.0	13.88	14.48	14.22	14.47	13.74	13.82	13.19	13.26	12.66	12.64
60.0	4.462	5.300	4.890	5.299	4.641	4.602	3.818	3.751	3.132	3.002
63.0	1.551	1.620	1.593	1.626	1.598	1.653	1.696	1.875	1.861	1.779
66.0	1.029	1.003	0.9575	0.9631	0.9597	0.9849	1.021	1.096	1.063	1.022
69.0	0.6527	0.6245	0.5827	0.5720	0.5850	0.5938	0.6200	0.6353	0.6179	0.5873
72.0	0.4053	0.3624	0.3461	0.3100	0.3332	0.3274	0.3551	0.3427	0.3486	0.3209
75.0	0.2738	0.2348	0.2103	0.1791	0.1885	0.1769	0.2016	0.1812	0.1929	0.1703
78.0	0.2231	0.2121	0.1641	0.1477	0.1335	0.1425	0.1423	0.1427	0.1357	0.1385
81.0	0.2186	0.2122	0.1509	0.1431	0.1282	0.1336	0.1269	0.1340	0.1268	0.1331
84.0	0.2644	0.2362	0.1856	0.1487	0.1264	0.1246	0.1242	0.1253	0.1264	0.1278
87.0	0.2733	0.2493	0.2294	0.1530	0.1246	0.1224	0.1224	0.1224	0.1224	0.1224
90.0	0.3236	0.2055	0.1574	0.1487	0.1246	0.1246	0.1224	0.1224	0.1224	0.1224

G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	7763	7787	7806	7790	7797	7768	7769	7765	7758	7765
3.0	7035	7070	7138	7147	7234	7248	7361	7436	7555	7636
6.0	5925	5973	6067	6089	6220	6252	6427	6536	6731	6847
9.0	4711	4763	4866	4886	5028	5056	5238	5343	5550	5667
12.0	3588	3629	3724	3743	3868	3891	4050	4135	4316	4419
15.0	2621	2660	2734	2750	2852	2868	2996	3054	3206	3282
18.0	1829	1860	1922	1931	2012	2026	2124	2163	2277	2331
21.0	1199	1220	1265	1268	1328	1339	1424	1445	1540	1566
24.0	739.8	751.0	780.5	778.8	818.7	825.7	878.6	899.4	961.3	986.4
27.0	447.0	452.2	467.9	467.5	487.7	491.1	521.6	535.7	573.6	597.7
30.0	286.6	288.4	297.2	295.4	305.1	305.6	320.7	327.2	345.6	354.2
33.0	207.1	207.9	211.7	208.3	212.9	213.9	219.9	221.8	230.7	235.0
36.0	165.5	169.6	170.8	166.2	168.9	170.1	173.3	173.7	179.3	181.5
39.0	136.0	138.2	139.7	134.4	136.2	137.0	138.5	139.0	143.1	145.3
42.0	113.6	113.8	115.3	112.5	113.6	113.5	114.9	116.0	119.3	122.1
45.0	93.34	91.21	91.75	91.06	92.81	92.89	93.64	93.34	96.88	100.1
48.0	69.68	68.10	69.87	69.03	69.92	69.00	69.65	69.26	72.02	74.83
51.0	49.14	48.32	49.94	49.11	49.77	49.02	49.41	48.97	51.19	53.06
54.0	29.80	29.31	30.89	29.89	30.73	29.94	30.96	29.69	31.10	31.93
57.0	11.79	11.82	12.36	11.68	11.77	11.36	11.59	11.24	11.83	11.96
60.0	2.738	2.594	2.756	2.602	2.459	2.356	2.329	2.160	2.634	2.844
63.0	1.585	1.561	1.667	1.538	1.462	1.443	1.449	1.358	1.353	1.362
66.0	0.9465	0.9346	0.9931	0.9088	0.8513	0.8301	0.8512	0.8235	0.8163	0.8387
69.0	0.5696	0.5393	0.5738	0.5452	0.5042	0.4993	0.4800	0.4709	0.4647	0.4818
72.0	0.3310	0.3100	0.3120	0.3177	0.2901	0.2870	0.2552	0.2695	0.2444	0.2586
75.0	0.1885	0.1747	0.1637	0.1840	0.1528	0.1665	0.1397	0.1555	0.1331	0.1533
78.0	0.1379	0.1406	0.1072	0.1182	0.1050	0.1138	0.1235	0.1094	0.1149	0.1072
81.0	0.1283	0.1320	0.1161	0.1454	0.1116	0.1050	0.1072	0.1154	0.1050	0.0984
84.0	0.1261	0.1302	0.0852	0.1077	0.0851	0.1035	0.0938	0.1311	0.1371	0.1590
87.0	0.1246	0.1290	0.0787	0.0875	0.0722	0.0810	0.0743	0.0810	0.0743	0.0831
90.0	0.1246	0.1290	0.0787	0.0809	0.0722	0.0765	0.0743	0.0743	0.0743	0.0743

G/C	300.0	315.0	330.0	345.0
0.0	7755	7776	7763	7787
3.0	7739	7796	7852	7865
6.0	7027	7107	7221	7233
9.0	5874	5954	6100	6118
12.0	4608	4683	4826	4849
15.0	3446	3505	3637	3656
18.0	2456	2499	2608	2621
21.0	1660	1688	1768	1776

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-06-17

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	1053	1073	1130	1130
27.0	630.8	641.6	681.7	681.2
30.0	376.8	385.6	405.6	405.0
33.0	245.6	249.7	259.1	257.9
36.0	187.0	188.4	192.5	190.3
39.0	149.4	149.7	151.6	149.3
42.0	124.3	124.8	125.5	123.8
45.0	101.6	101.4	101.4	99.12
48.0	78.20	78.52	79.30	77.60
51.0	55.85	56.23	57.55	56.65
54.0	34.20	34.41	36.24	35.95
57.0	12.80	13.01	14.06	14.27
60.0	3.851	3.946	4.969	4.959
63.0	1.419	1.454	1.504	1.509
66.0	0.9015	0.9349	0.9561	0.9634
69.0	0.5214	0.5606	0.5651	0.6196
72.0	0.2704	0.3068	0.3294	0.3702
75.0	0.1353	0.1730	0.1812	0.2234
78.0	0.0984	0.1291	0.1539	0.1663
81.0	0.1116	0.1459	0.1466	0.1617
84.0	0.1349	0.1810	0.2182	0.2664
87.0	0.0743	0.1334	0.2012	0.2186
90.0	0.0743	0.0962	0.1137	0.2361

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-17

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: