

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



Light Output Ratio:	100.0%	
Luminaire Power:	27.62 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.55	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

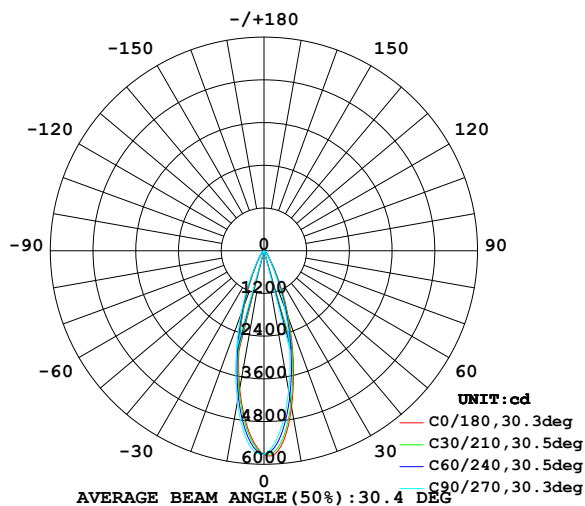
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

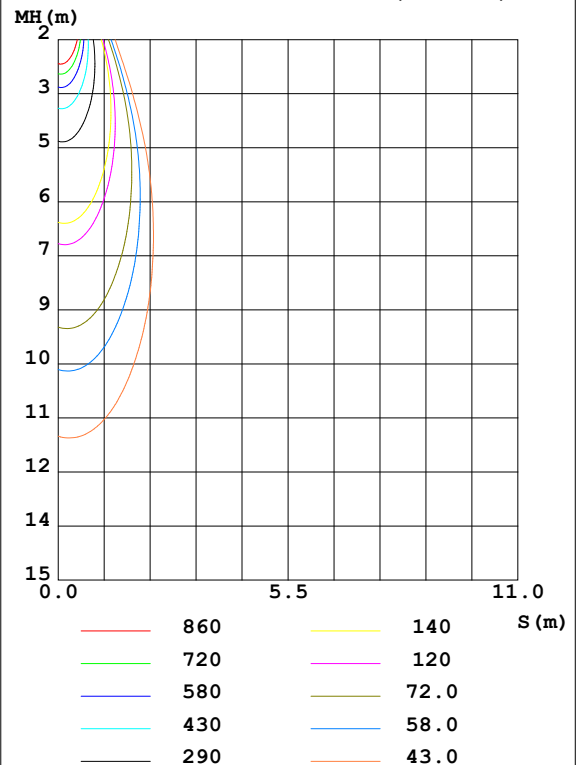
Test:U:220.8V I:0.1311A P:27.62W PF:0.9541 Lamp Flux:1996.88x1 lm		
NAME: S150R2-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*H188mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 72.31 lm/W			
MODEL	CITIZEN-3000K	I <sub>max</sub> (cd)	5789	S/MH (C0/180)	0.47
NOMINAL POWER (W)	28	LOR (%)	100.0	S/MH (C90/270)	0.52
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1996.9	$\eta$ UP, DN (C0-180)	0.0, 49.1
NOMINAL FLUX (lm)	1996.88	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.0, 50.9
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	CIBSE SHR MAX	0.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



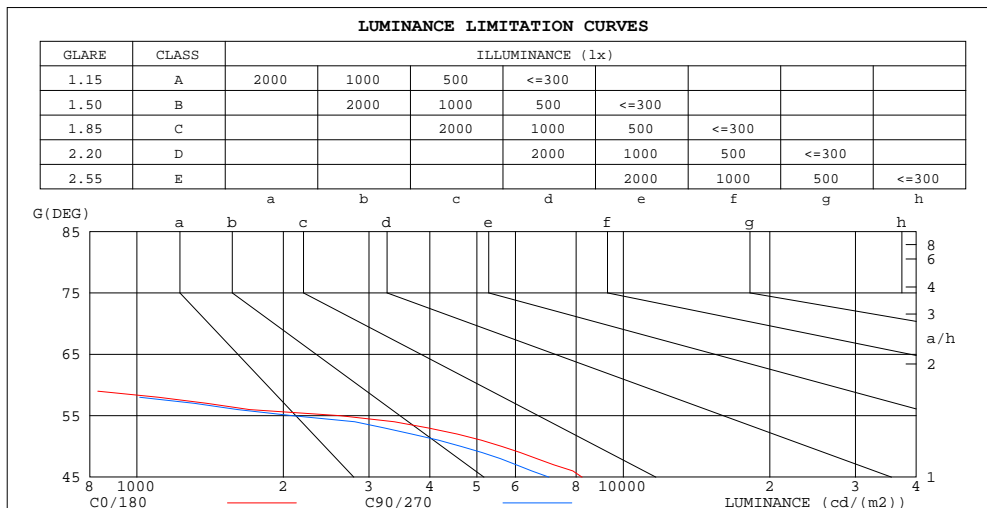
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-17

$\gamma$  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	4463	4299	3997	3874	3936	4055	4304	4468	0- 10	466.8	466.8	23.4,23.4
20	2017	1921	1706	1582	1610	1704	1884	2015	10- 20	797.8	1265	63.3,63.3
30	534.2	499.2	423.7	386.4	391.3	419.8	476.8	525.6	20- 30	451.5	1716	85.9,85.9
40	181.0	170.3	154.0	153.8	156.8	158.4	168.3	175.8	30- 40	166.9	1883	94.3,94.3
50	74.48	68.40	61.40	62.35	61.37	62.64	66.42	72.65	40- 50	85.63	1969	98.6,98.6
60	4.413	5.190	3.511	2.816	2.238	2.024	3.587	4.932	50- 60	26.59	1995	99.9,99.9
70	0.5257	0.6071	0.4930	0.4475	0.3579	0.3569	0.3818	0.4796	60- 70	1.213	1996	100,100
80	0.2151	0.1739	0.1600	0.1304	0.1159	0.1130	0.1107	0.1094	70- 80	0.2345	1997	100,100
90	0.2296	0.1837	0.1443	0.1377	0.0940	0.0962	0.0918	0.0918	80- 90	0.1652	1997	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	140	84
80	60	45
75	50	37
70	75	70
65	129	134
60	428	341
55	2617	2087
50	5624	4637
45	8227	7033

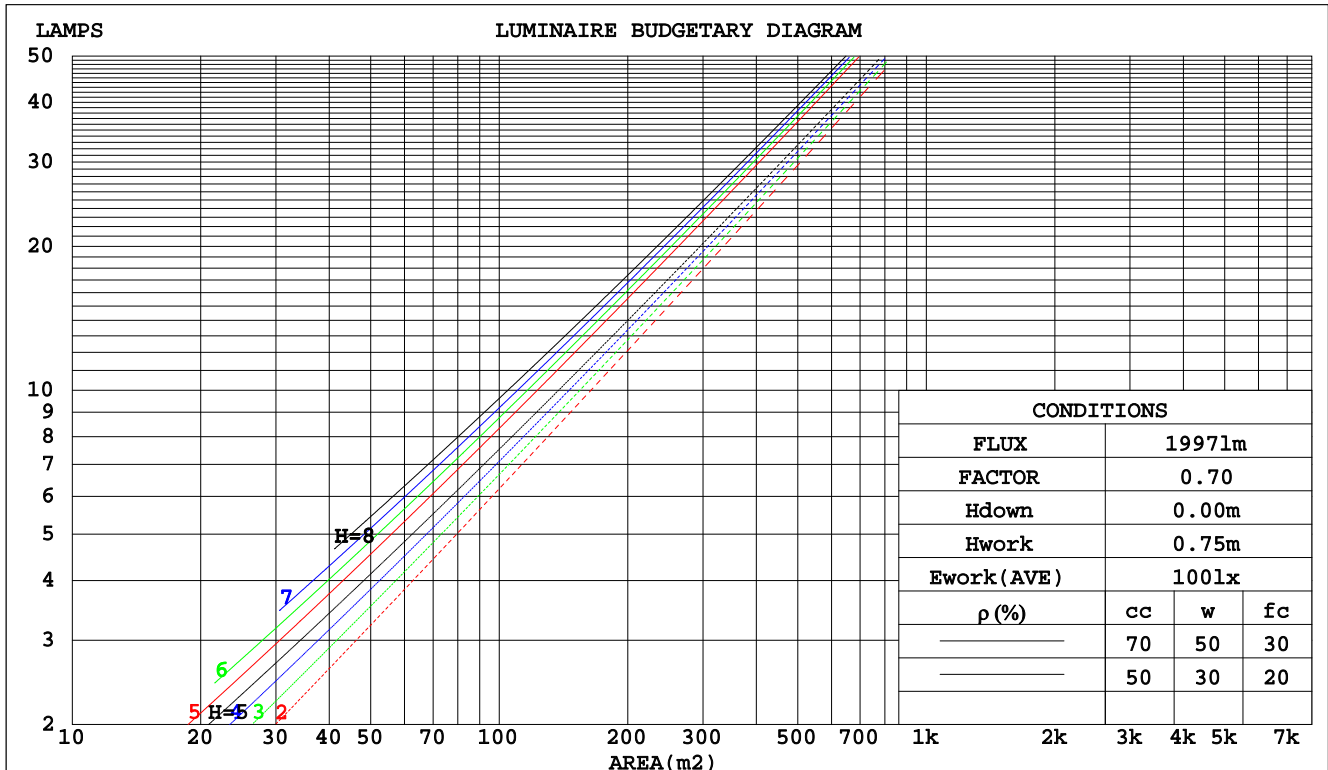
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-17

$\gamma$  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:220.8V I:0.1311A P:27.62W PF:0.9541 Lamp Flux:1996.88x1 lm		
NAME: S150R2-25W-930-M	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															



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:220.8V I:0.1311A P:27.62W PF:0.9541 Lamp Flux:1996.88x1 lm		
NAME: S150R2-25W-930-M	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	.155	.088	.028	.148	.084	.027	.136	.078	.025	.124	.072	.023	.114	.066	.021		
2.0	.146	.080	.025	.140	.077	.024	.130	.072	.022	.121	.068	.021	.112	.063	.020		
3.0	.138	.073	.022	.133	.071	.021	.124	.067	.020	.116	.064	.020	.109	.060	.019		
4.0	.130	.068	.020	.126	.066	.020	.119	.063	.019	.112	.060	.018	.106	.057	.017		
5.0	.124	.063	.018	.120	.062	.018	.114	.059	.017	.108	.057	.017	.102	.055	.016		
6.0	.118	.059	.017	.115	.058	.017	.109	.056	.016	.104	.054	.016	.099	.052	.015		
7.0	.112	.055	.016	.109	.055	.016	.105	.053	.015	.100	.051	.015	.096	.050	.015		
8.0	.107	.052	.015	.105	.052	.015	.100	.050	.014	.096	.049	.014	.093	.048	.014		
9.0	.102	.050	.014	.100	.049	.014	.097	.048	.014	.093	.047	.013	.090	.045	.013		
10.0	.098	.047	.013	.096	.047	.013	.093	.046	.013	.090	.045	.013	.087	.044	.013		

$\rho_{cc}$	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	.170	.158	.147	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.116	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.119	.098	.081	.082	.068	.057	.047	.040	.033	.015	.013	.011	
4.0	.128	.098	.076	.109	.085	.066	.075	.059	.046	.044	.035	.028	.014	.011	.009	
5.0	.118	.086	.063	.101	.075	.055	.070	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.110	.077	.053	.094	.066	.046	.065	.046	.033	.038	.027	.019	.012	.009	.006	
7.0	.103	.069	.045	.088	.060	.039	.061	.042	.028	.035	.025	.017	.011	.008	.005	
8.0	.097	.062	.039	.083	.054	.034	.057	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.091	.057	.034	.079	.049	.029	.054	.035	.021	.032	.020	.012	.010	.007	.004	
10.0	.086	.052	.030	.074	.045	.026	.052	.032	.018	.030	.019	.011	.010	.006	.004	

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

$\gamma$  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:220.8V I:0.1311A P:27.62W PF:0.9541 Lamp Flux:1996.88x1 lm										
NAME: S150R2-25W-930-M					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	12.5	13.3	12.7	13.5	13.6	11.6	12.4	11.9	12.6	12.7
3H	12.4	13.1	12.6	13.3	13.5	11.5	12.2	11.7	12.4	12.6
4H	12.3	13.0	12.5	13.2	13.4	11.4	12.1	11.7	12.3	12.5
6H	12.2	12.8	12.5	13.1	13.3	11.3	12.0	11.6	12.2	12.4
8H	12.1	12.8	12.4	13.0	13.3	11.3	11.9	11.6	12.1	12.4
12H	12.1	12.7	12.4	13.0	13.2	11.2	11.8	11.5	12.1	12.4
4H 2H	12.3	13.0	12.6	13.2	13.4	11.4	12.1	11.7	12.3	12.6
3H	12.1	12.7	12.4	13.0	13.3	11.3	11.9	11.6	12.1	12.4
4H	12.0	12.6	12.4	12.9	13.2	11.2	11.7	11.5	12.0	12.3
6H	11.9	12.4	12.3	12.7	13.1	11.1	11.6	11.4	11.9	12.2
8H	11.9	12.3	12.3	12.7	13.0	11.0	11.5	11.4	11.8	12.2
12H	11.8	12.2	12.2	12.6	13.0	11.0	11.4	11.4	11.7	12.1
8H 4H	11.9	12.3	12.3	12.7	13.0	11.0	11.5	11.4	11.8	12.2
6H	11.8	12.1	12.2	12.5	12.9	10.9	11.3	11.3	11.7	12.1
8H	11.7	12.0	12.2	12.5	12.9	10.9	11.2	11.3	11.6	12.0
12H	11.7	11.9	12.1	12.4	12.8	10.8	11.1	11.3	11.5	12.0
12H 4H	11.8	12.2	12.2	12.6	13.0	11.0	11.4	11.4	11.7	12.1
6H	11.7	12.0	12.2	12.5	12.9	10.9	11.2	11.3	11.6	12.0
8H	11.7	11.9	12.1	12.4	12.8	10.8	11.1	11.3	11.5	12.0
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / - 9.8					+ 2.4 / - 9.4				
1.5H	+ 2.8 / - 7.0					+ 2.5 / - 6.4				
2.0H	+ 5.3 / -18.7					+ 5.0 / -18.4				

CIE Pub.117 Corrected 1997 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.4)

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:220.8V I:0.1311A P:27.62W PF:0.9541 Lamp Flux:1996.88x1 lm		
NAME: S150R2-25W-930-M	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	78	87	81	78	87	81	78	74
0.80	95	90	86	95	89	86	94	89	85	82
1.00	100	94	91	99	94	91	97	94	90	86
1.25	104	99	95	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	100	97	93
2.00	109	105	102	108	104	101	105	102	100	94
2.50	111	107	104	109	106	103	106	103	101	95
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:220.8V I:0.1311A P:27.62W PF:0.9541 Lamp Flux:1996.88x1 lm		
NAME: S150R2-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*H188mm	
MFR.: NEKO LIGHTING AG		

Conical surface Flux(90deg):

1933.4 lm

%lum = 96.8%

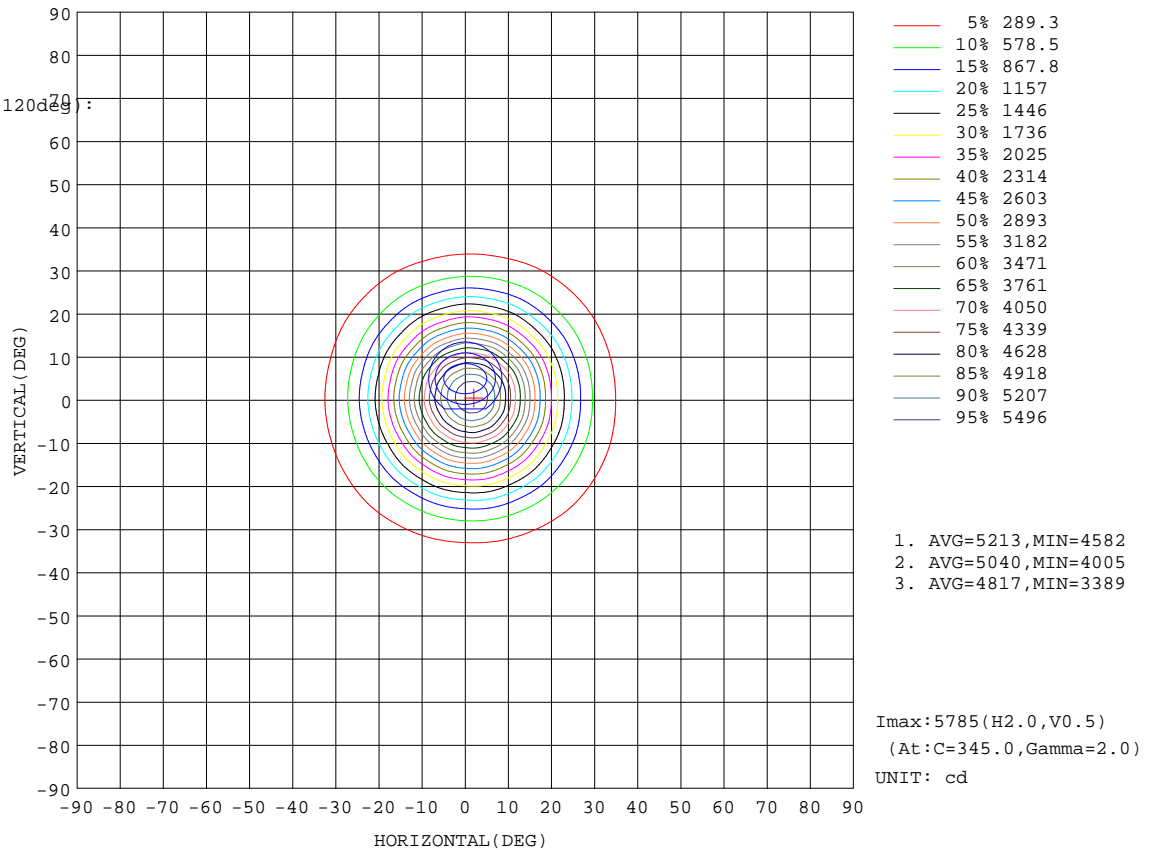
%lamp = 96.8%

Conical surface Flux(120deg):

1995.3 lm

%lum = 99.9%

%lamp = 99.9%



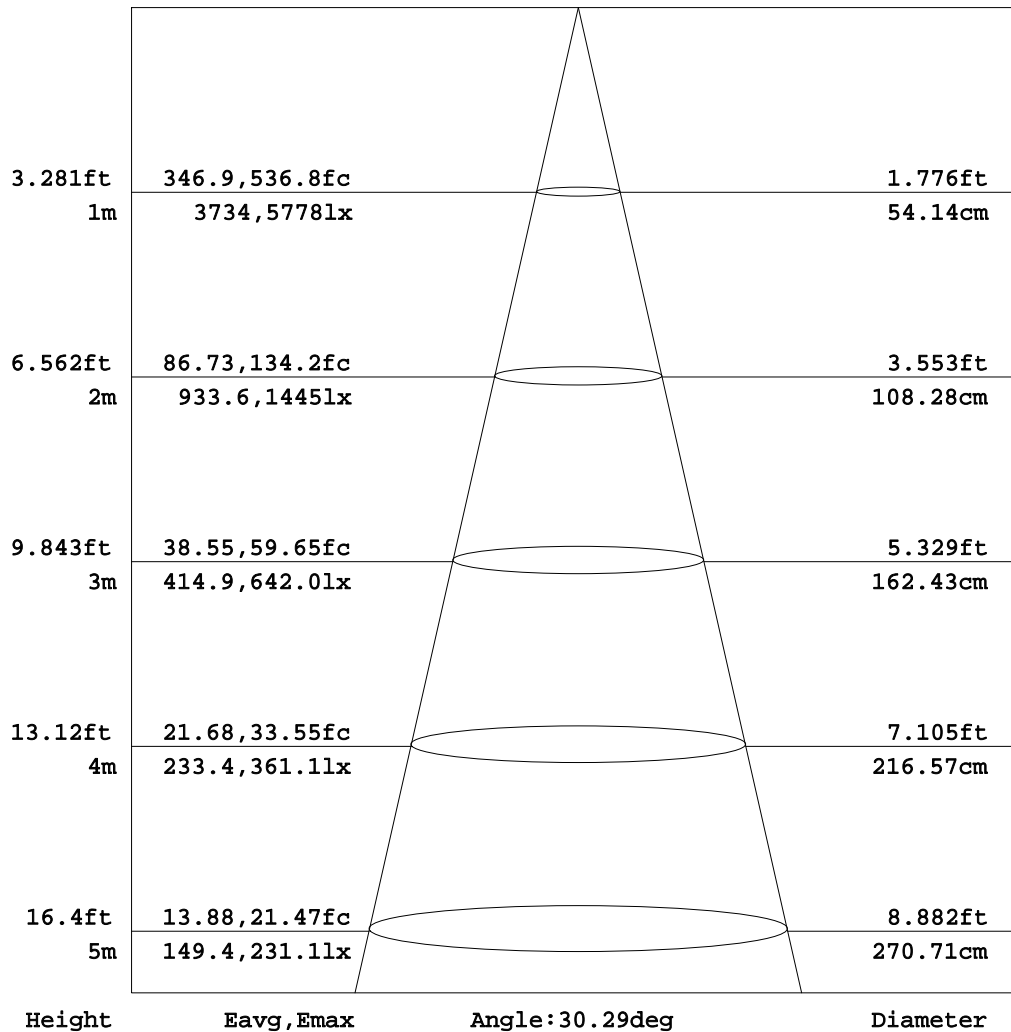
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-17

$\gamma$  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:220.8V I:0.1311A P:27.62W PF:0.9541 Lamp Flux:1996.88x1 lm		
NAME: S150R2-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*H188mm	
MFR.: NEKO LIGHTING AG		

Flux out:964.6 lm



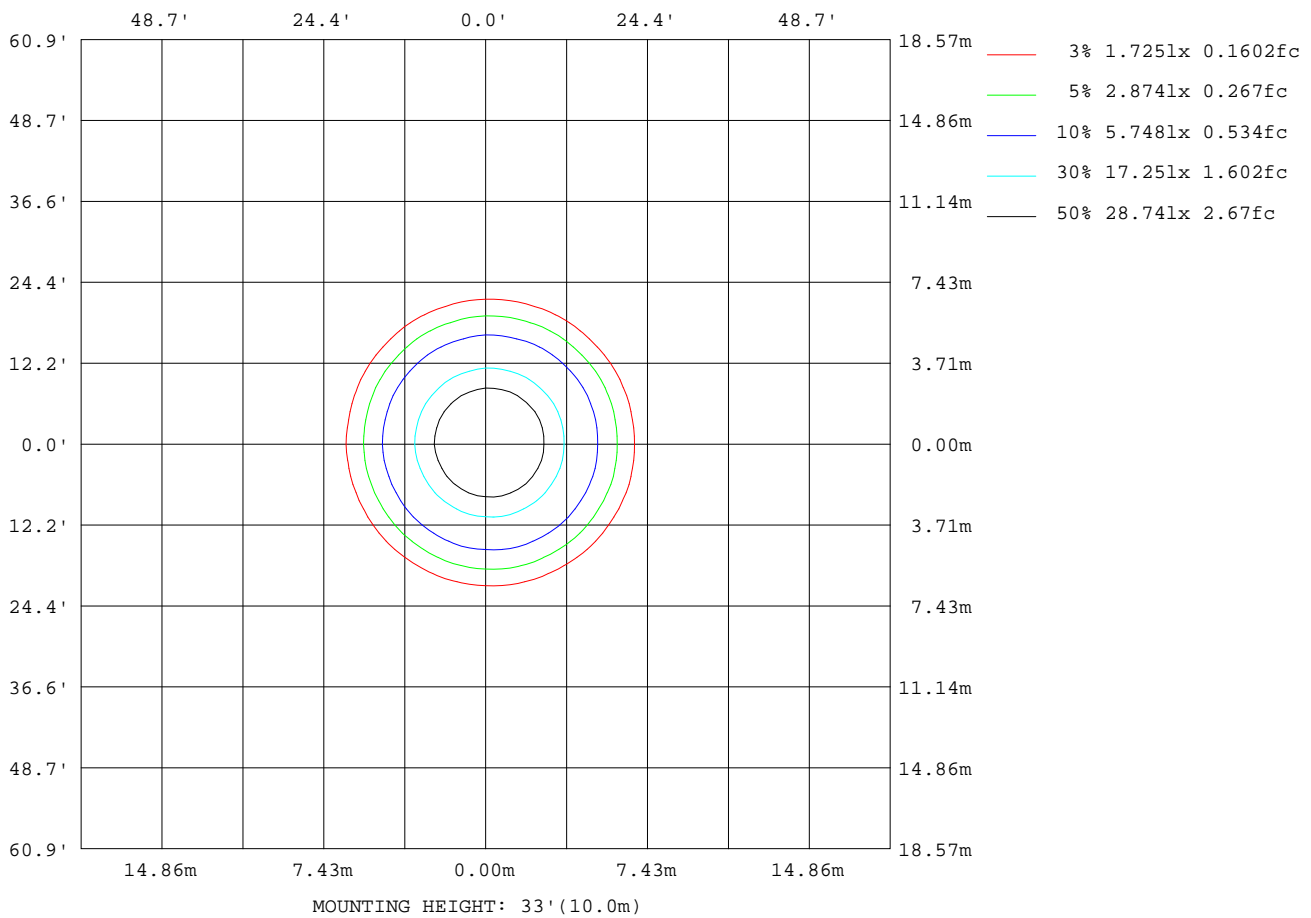
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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**

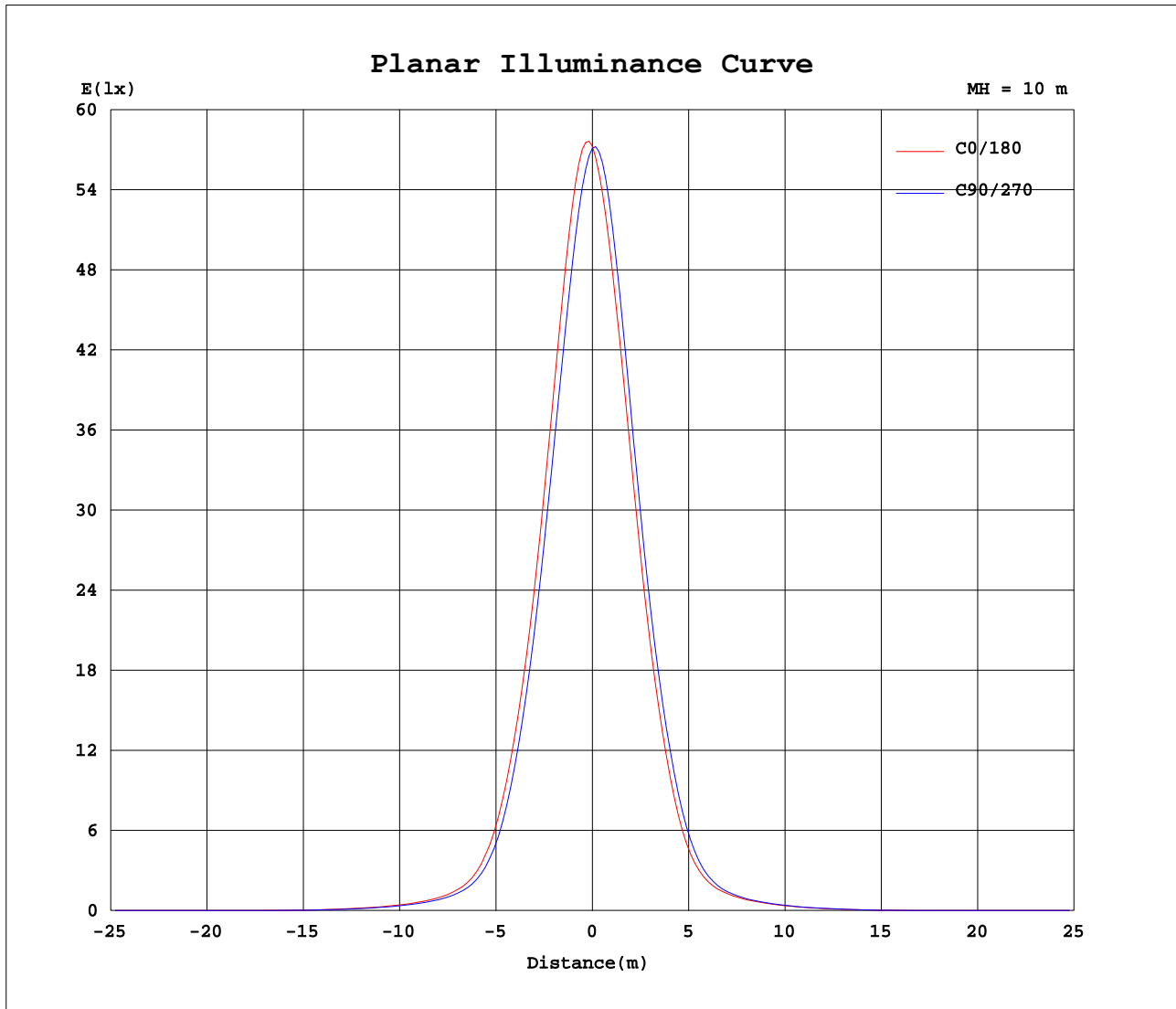
Test:U:220.8V I:0.1311A P:27.62W PF:0.9541 Lamp Flux:1996.88x1 lm		
NAME: S150R2-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*H188mm	
MFR.: NEKO LIGHTING AG		



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	5725	5716	5720	5714	5714	5715	5712	5716	5711	5720
3.0	5724	5702	5652	5610	5543	5503	5438	5411	5364	5362
6.0	5351	5331	5246	5183	5071	5009	4907	4868	4802	4800
9.0	4711	4700	4604	4543	4412	4349	4235	4198	4119	4121
12.0	3953	3950	3860	3808	3686	3624	3512	3471	3388	3380
15.0	3180	3180	3098	3057	2944	2890	2784	2738	2655	2641
18.0	2454	2455	2384	2350	2253	2206	2110	2068	1992	1977
21.0	1815	1816	1753	1724	1643	1604	1518	1486	1414	1405
24.0	1271	1272	1221	1195	1129	1095	1027	994.0	940.9	928.4
27.0	835.6	837.4	800.3	781.1	731.5	707.2	658.6	635.7	606.6	591.2
30.0	534.2	535.9	513.2	499.2	468.0	451.6	423.7	410.3	391.0	386.4
33.0	353.7	354.5	341.2	331.4	313.2	303.9	289.1	283.2	275.1	273.3
36.0	258.0	259.0	249.7	242.1	229.3	222.9	214.0	211.8	208.0	208.8
39.0	196.2	197.9	191.6	184.9	176.0	173.8	167.2	166.4	162.8	164.0
42.0	155.1	156.0	151.5	145.1	138.1	135.8	131.3	131.9	130.9	132.5
45.0	119.8	119.8	116.9	112.2	107.8	105.6	102.5	103.9	105.3	105.5
48.0	91.42	91.25	88.35	84.54	80.18	78.73	76.97	77.32	77.73	77.62
51.0	66.14	65.95	63.42	60.72	56.42	55.59	54.02	55.05	54.72	54.83
54.0	40.96	41.56	39.64	38.44	35.29	34.88	33.96	34.72	34.00	34.07
57.0	15.63	16.14	15.73	15.98	15.22	15.38	14.74	14.69	13.99	13.99
60.0	4.413	5.005	4.644	5.190	4.460	4.530	3.511	3.503	3.017	2.816
63.0	1.498	1.554	1.519	1.622	1.560	1.615	1.661	1.797	1.749	1.628
66.0	0.9638	0.9631	1.034	1.040	0.9791	0.9478	0.9838	1.042	1.001	0.9368
69.0	0.6199	0.6114	0.6855	0.6924	0.5899	0.5633	0.5915	0.6004	0.5829	0.5436
72.0	0.3791	0.3624	0.3638	0.4509	0.3157	0.3121	0.3354	0.3274	0.3288	0.3012
75.0	0.2650	0.2560	0.2970	0.1943	0.1819	0.1704	0.1950	0.1725	0.1884	0.1660
78.0	0.2100	0.2514	0.2931	0.1673	0.1357	0.2033	0.1641	0.1399	0.1335	0.1340
81.0	0.2177	0.2800	0.2776	0.1896	0.2100	0.1749	0.1582	0.1301	0.1265	0.1301
84.0	0.2381	0.3170	0.3038	0.2366	0.2164	0.1640	0.1528	0.1303	0.1256	0.1293
87.0	0.2646	0.3193	0.3105	0.2886	0.2252	0.1574	0.1465	0.1356	0.1246	0.1312
90.0	0.2296	0.2777	0.2580	0.1837	0.1684	0.1574	0.1443	0.1421	0.1312	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	5714	5727	5716	5716	5720	5714	5715	5712	5716	5716
3.0	5343	5368	5397	5404	5450	5476	5532	5568	5625	5660
6.0	4774	4811	4858	4870	4940	4974	5059	5106	5199	5244
9.0	4085	4127	4182	4191	4272	4302	4399	4442	4548	4593
12.0	3336	3370	3431	3437	3518	3546	3645	3686	3792	3836
15.0	2595	2623	2677	2684	2760	2787	2882	2916	3020	3058
18.0	1935	1960	2009	2015	2084	2109	2192	2218	2310	2345
21.0	1364	1389	1432	1431	1497	1515	1587	1609	1687	1718
24.0	900.0	912.8	945.6	949.5	998.5	1016	1075	1095	1159	1186
27.0	578.1	579.2	599.6	610.3	635.3	648.3	689.3	704.3	749.5	768.4
30.0	376.3	379.9	391.3	392.2	410.8	419.8	443.8	451.6	476.8	488.3
33.0	269.5	270.1	274.8	274.1	284.5	289.7	303.0	307.1	320.1	326.3
36.0	209.1	210.5	211.0	217.3	220.5	228.1	229.9	229.9	237.8	240.9
39.0	164.3	166.5	166.9	163.5	167.3	169.2	173.8	175.6	180.5	183.3
42.0	132.0	134.7	135.4	132.4	135.5	135.8	140.1	141.2	145.6	147.2
45.0	103.5	104.5	104.8	103.1	105.8	108.1	111.1	111.3	114.1	116.4
48.0	75.69	76.22	77.04	75.92	78.29	79.17	81.15	81.10	83.09	85.01
51.0	52.63	53.26	54.09	53.39	55.31	55.59	57.35	57.17	58.95	60.20
54.0	31.66	32.18	33.54	33.21	34.68	34.61	36.22	35.21	36.66	37.20
57.0	13.13	13.20	13.66	13.04	13.41	13.08	13.60	13.39	14.25	14.51
60.0	2.500	2.266	2.238	2.058	2.130	2.024	2.492	2.498	3.587	3.921
63.0	1.383	1.268	1.194	1.121	1.106	1.180	1.296	1.296	1.347	1.410
66.0	0.8413	0.7731	0.7226	0.6788	0.6527	0.6942	0.7551	0.7906	0.8185	0.8715
69.0	0.5104	0.4585	0.4299	0.4204	0.3973	0.4204	0.4299	0.4621	0.4713	0.5037
72.0	0.2981	0.2642	0.2444	0.2585	0.2379	0.2584	0.2422	0.2673	0.2530	0.2717
75.0	0.1818	0.1617	0.1441	0.1642	0.1441	0.1664	0.1419	0.1620	0.1354	0.1620
78.0	0.1378	0.1396	0.1272	0.1225	0.1093	0.1182	0.1267	0.1160	0.1133	0.1138
81.0	0.1285	0.1360	0.1181	0.1131	0.1159	0.1144	0.1115	0.1241	0.1094	0.1109
84.0	0.1277	0.1324	0.0962	0.1120	0.0962	0.1186	0.1112	0.1461	0.1438	0.1132
87.0	0.1268	0.1334	0.0940	0.0962	0.0940	0.0962	0.0896	0.0941	0.0918	0.0941
90.0	0.1334	0.1377	0.0940	0.0940	0.0940	0.0962	0.0896	0.0918	0.0918	0.0918
G/C	300.0	315.0	330.0	345.0						
0.0	5711	5720	5714	5727						
3.0	5709	5734	5758	5757						
6.0	5327	5359	5412	5402						
9.0	4689	4715	4781	4767						
12.0	3933	3956	4025	4009						
15.0	3156	3179	3247	3229						
18.0	2431	2450	2512	2495						
21.0	1793	1810	1863	1849						

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	1249	1263	1309	1299
27.0	814.6	827.1	860.1	853.7
30.0	517.1	525.6	546.8	543.8
33.0	342.4	347.1	358.8	357.8
36.0	250.0	252.4	259.1	259.3
39.0	189.7	190.4	194.2	195.3
42.0	150.8	151.2	154.0	154.7
45.0	117.4	118.1	119.4	119.6
48.0	88.90	89.96	91.67	91.82
51.0	63.29	64.74	66.30	66.51
54.0	39.51	39.89	41.50	41.18
57.0	15.38	15.45	16.22	16.16
60.0	5.034	4.932	5.745	5.208
63.0	1.475	1.493	1.521	1.500
66.0	0.9407	0.9634	0.9649	0.9524
69.0	0.5454	0.5803	0.5760	0.5912
72.0	0.2835	0.3178	0.3163	0.3505
75.0	0.1441	0.1731	0.1658	0.2037
78.0	0.1162	0.1204	0.1137	0.1466
81.0	0.1072	0.1072	0.1225	0.1737
84.0	0.1415	0.1505	0.1525	0.2007
87.0	0.0896	0.0940	0.1093	0.1836
90.0	0.0896	0.0918	0.1006	0.1334

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: