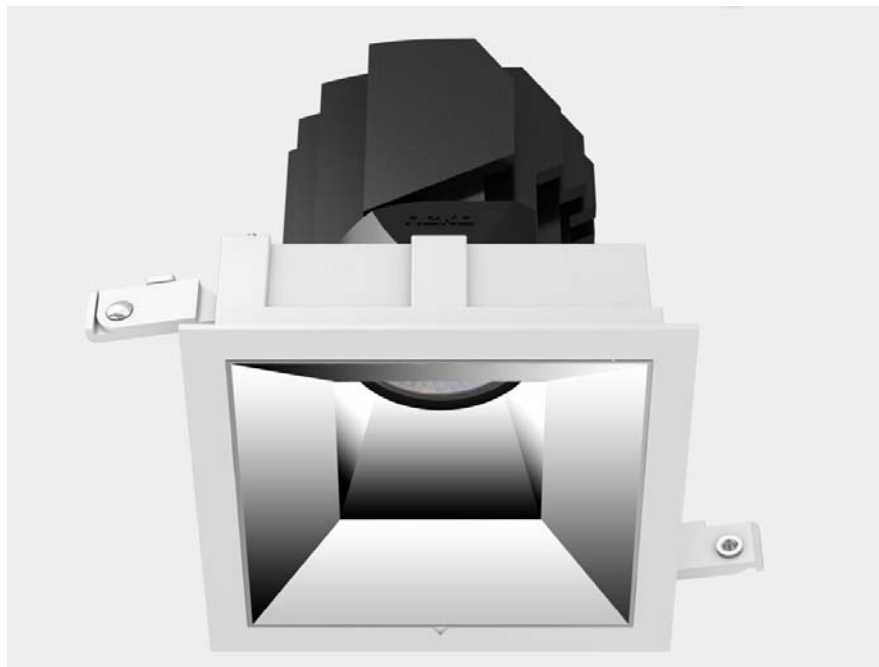


LED Downlight SENSE Series S150S2-25W-940-N



Light Output Ratio:	100.0%	
Luminaire Power:	27.56 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.50	fine grid method.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-21

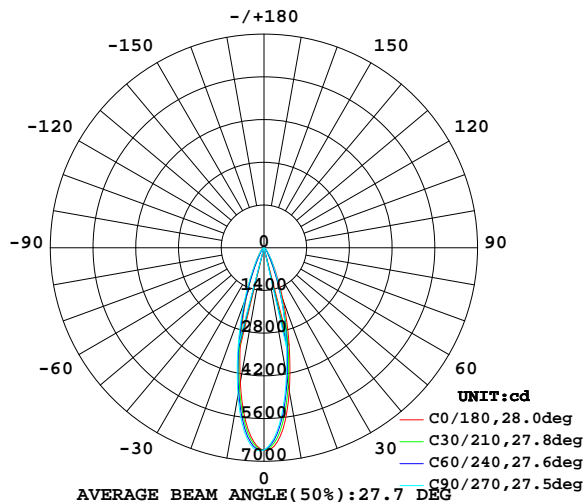
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

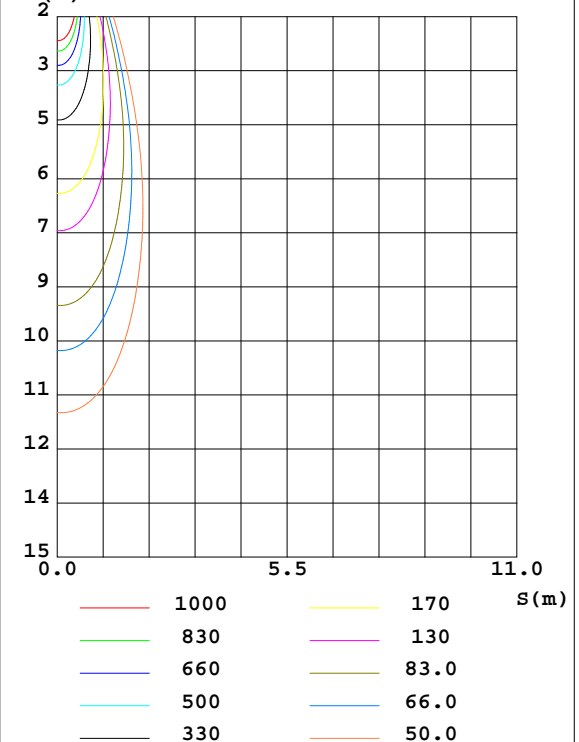
Test:U:220.6V I:0.1309A P:27.56W PF:0.9543 Lamp Flux:2067.93x1 lm		
NAME: S150S2-25W-940-N	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L162mm*W162mm*H188mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 75.02 lm/W			
MODEL	CITIZEN-4000K	I <sub>max</sub> (cd)	6670	S/MH(C0/180)	0.45
NOMINAL POWER(W)	28	LOR(%)	100.0	S/MH(C90/270)	0.49
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2067.9	η UP,DN(C0-180)	0.0,47.8
NOMINAL FLUX(lm)	2067.93	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,52.2
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	0.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



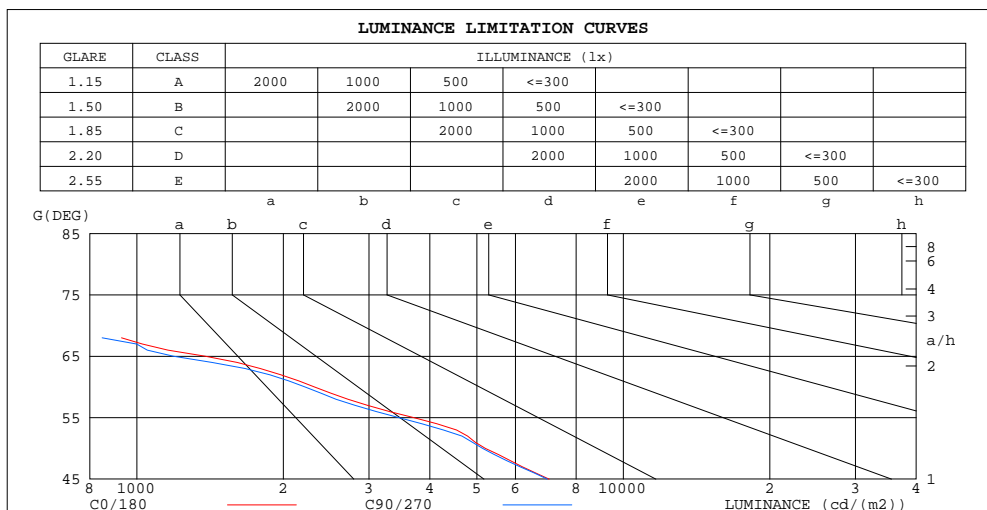
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-21

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	$\Phi$ lum, lamp
10	4781	4507	4241	4323	4484	4689	4916	5066	0- 10	532.4	532.4	25.7,25.7
20	1834	1579	1576	1506	1686	1677	1911	1893	10- 20	821.6	1354	65.5,65.5
30	530.2	366.4	525.3	341.0	527.8	377.1	537.3	410.5	20- 30	408.6	1763	85.2,85.2
40	195.5	140.6	196.5	133.4	199.3	141.2	192.4	137.8	30- 40	162.1	1925	93.1,93.1
50	87.77	68.21	86.69	67.20	88.60	70.79	85.35	68.68	40- 50	87.00	2012	97.3,97.3
60	30.42	27.77	29.07	27.36	31.02	27.82	31.73	28.43	50- 60	43.73	2055	99.4,99.4
70	5.718	5.098	5.097	4.552	5.695	4.832	6.568	5.626	60- 70	11.45	2067	100,100
80	0.3762	0.3298	0.1841	0.0700	0.1353	0.0745	0.2024	0.0833	70- 80	0.8645	2068	100,100
90	0.3127	0.2208	0.1093	0.0743	0.0700	0.0634	0.0678	0.0656	80- 90	0.1445	2068	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	173	56
80	83	40
75	144	101
70	637	568
65	1382	1189
60	2318	2215
55	3713	3460
50	5203	5139
45	7038	6978

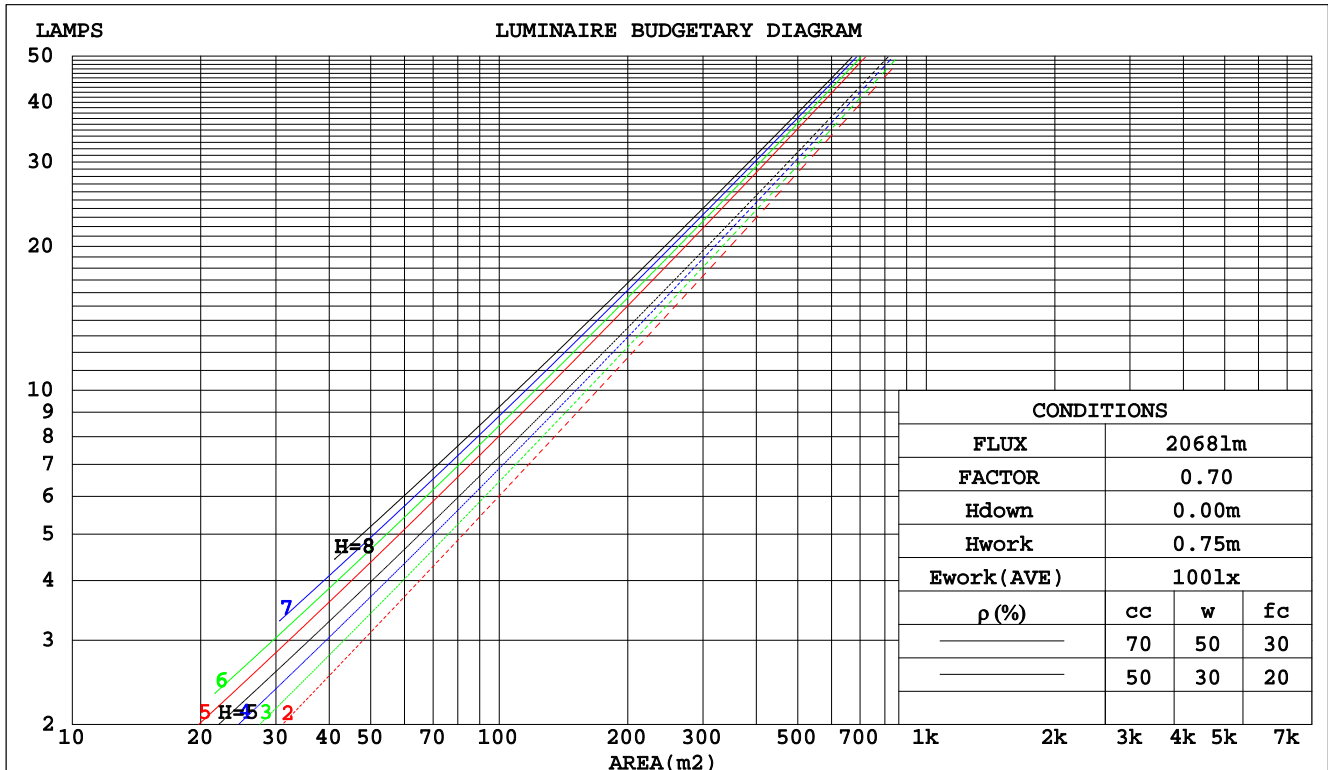
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-21

$\gamma$  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:220.6V I:0.1309A P:27.56W PF:0.9543 Lamp Flux:2067.93x1 lm		
NAME: S150S2-25W-940-N	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	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	.00
1.0	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97	.95
2.0	1.06	1.02	.99	1.04	1.01	.98	1.01	.98	.96	.98	.96	.94	.95	.94	.92	.91
3.0	.00	.96	.92	.99	.95	.92	.96	.93	.90	.94	.91	.89	.92	.89	.88	.86
4.0	.95	.90	.87	.94	.90	.86	.92	.88	.85	.90	.87	.84	.88	.86	.83	.82
5.0	.91	.86	.82	.90	.85	.82	.88	.84	.81	.86	.83	.80	.85	.82	.80	.78
6.0	.87	.82	.78	.86	.81	.78	.84	.80	.77	.83	.80	.77	.82	.79	.76	.75
7.0	.83	.78	.75	.82	.78	.74	.81	.77	.74	.80	.76	.74	.79	.76	.73	.72
8.0	.80	.75	.71	.79	.74	.71	.78	.74	.71	.77	.73	.71	.76	.73	.70	.69
9.0	.77	.72	.69	.76	.72	.68	.75	.71	.68	.75	.71	.68	.74	.70	.68	.67
10.0	.74	.69	.66	.73	.69	.66	.73	.69	.66	.72	.68	.66	.71	.68	.65	.64



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-21

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:220.6V I:0.1309A P:27.56W PF:0.9543 Lamp Flux:2067.93x1 lm		
NAME: S150S2-25W-940-N	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	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	.155	.088	.028	.148	.085	.027	.136	.078	.025	.124	.072	.023	.114	.066	.021		
2.0	.146	.080	.025	.141	.078	.024	.130	.073	.023	.121	.068	.021	.112	.063	.020		
3.0	.138	.073	.022	.133	.071	.021	.124	.067	.021	.116	.064	.020	.109	.060	.019		
4.0	.130	.068	.020	.126	.066	.020	.119	.063	.019	.112	.060	.018	.105	.057	.017		
5.0	.123	.063	.018	.120	.061	.018	.113	.059	.017	.107	.057	.017	.102	.054	.016		
6.0	.117	.059	.017	.114	.058	.017	.108	.056	.016	.103	.054	.016	.098	.052	.015		
7.0	.111	.055	.016	.109	.054	.015	.104	.052	.015	.099	.051	.015	.095	.049	.014		
8.0	.106	.052	.015	.104	.051	.014	.099	.050	.014	.095	.048	.014	.092	.047	.014		
9.0	.101	.049	.014	.099	.048	.014	.095	.047	.013	.092	.046	.013	.088	.045	.013		
10.0	.097	.046	.013	.095	.046	.013	.092	.045	.013	.088	.044	.012	.085	.043	.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	.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	.047	.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	.109	.077	.053	.094	.066	.046	.065	.046	.033	.038	.027	.019	.012	.009	.006	
7.0	.102	.069	.045	.088	.060	.039	.061	.042	.028	.035	.025	.017	.011	.008	.005	
8.0	.096	.062	.039	.083	.054	.034	.057	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.091	.057	.034	.078	.049	.029	.054	.035	.021	.032	.020	.012	.010	.007	.004	
10.0	.086	.052	.030	.074	.045	.026	.051	.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:2017-06-21

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:220.6V I:0.1309A P:27.56W PF:0.9543 Lamp Flux:2067.93x1 lm		
NAME: S150S2-25W-940-N	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	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	11.8	12.5	12.0	12.7	12.9	11.9	12.7	12.1	12.8	13.0
3H	11.7	12.4	11.9	12.6	12.8	11.8	12.5	12.0	12.7	12.9
4H	11.6	12.3	11.8	12.5	12.7	11.7	12.4	12.0	12.6	12.8
6H	11.5	12.1	11.8	12.4	12.6	11.6	12.2	11.9	12.5	12.7
8H	11.4	12.1	11.7	12.3	12.6	11.6	12.2	11.9	12.4	12.7
12H	11.4	12.0	11.7	12.3	12.5	11.5	12.1	11.8	12.4	12.6
4H 2H	11.7	12.4	11.9	12.6	12.8	11.8	12.5	12.1	12.7	12.9
3H	11.6	12.2	11.9	12.4	12.7	11.7	12.3	12.0	12.5	12.8
4H	11.5	12.0	11.8	12.3	12.6	11.6	12.1	11.9	12.4	12.7
6H	11.4	11.8	11.7	12.2	12.5	11.5	11.9	11.8	12.3	12.6
8H	11.3	11.8	11.7	12.1	12.5	11.4	11.9	11.8	12.2	12.6
12H	11.3	11.7	11.7	12.0	12.4	11.4	11.8	11.8	12.1	12.5
8H 4H	11.3	11.8	11.7	12.1	12.5	11.4	11.9	11.8	12.2	12.6
6H	11.2	11.6	11.6	12.0	12.4	11.3	11.7	11.7	12.1	12.5
8H	11.2	11.5	11.6	11.9	12.3	11.3	11.6	11.7	12.0	12.4
12H	11.1	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	11.1	11.5	11.6	11.9	12.3	11.3	11.6	11.7	12.0	12.4
8H	11.1	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	+ 2.8 / - 3.3					+ 2.7 / - 3.6				
1.5H	+ 3.3 / - 2.6					+ 3.3 / - 2.9				
2.0H	+ 4.0 / - 7.0					+ 4.0 / - 7.7				

CIE Pub.117 Corrected 2068 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:2017-06-21

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:220.6V I:0.1309A P:27.56W PF:0.9543 Lamp Flux:2067.93x1 lm		
NAME: S150S2-25W-940-N	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	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) $k(RI) \times RCR = 5$									
$k = 0.60$	87	81	77	87	81	77	86	80	77	73
0.80	95	89	85	94	88	85	93	88	84	81
1.00	99	94	90	98	93	90	97	93	89	85
1.25	103	98	95	102	97	94	100	96	93	89
1.50	106	101	98	105	100	97	102	99	96	92
2.00	109	104	101	107	103	101	105	101	99	94
2.50	110	107	104	109	105	103	106	103	101	95
3.00	112	108	106	110	107	105	107	104	102	96
4.00	114	111	109	112	109	108	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	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:2017-06-21

$\gamma$  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:220.6V I:0.1309A P:27.56W PF:0.9543 Lamp Flux:2067.93x1 lm		
NAME: S150S2-25W-940-N	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L162mm*W162mm*H188mm	
MFR.: NEKO LIGHTING AG		

Conical surface Flux(90deg):

1974.1 lm

%lum = 95.5%

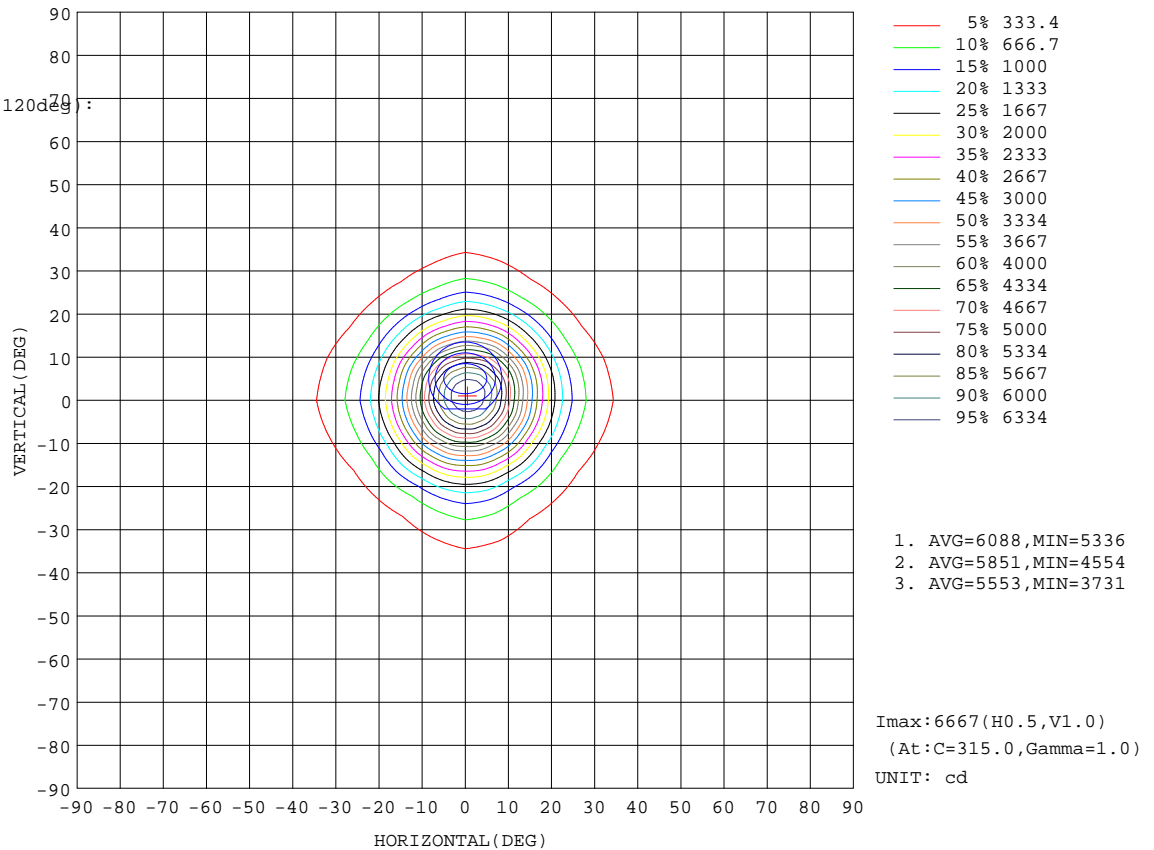
%lamp = 95.5%

Conical surface Flux(120deg):

2055.5 lm

%lum = 99.4%

%lamp = 99.4%



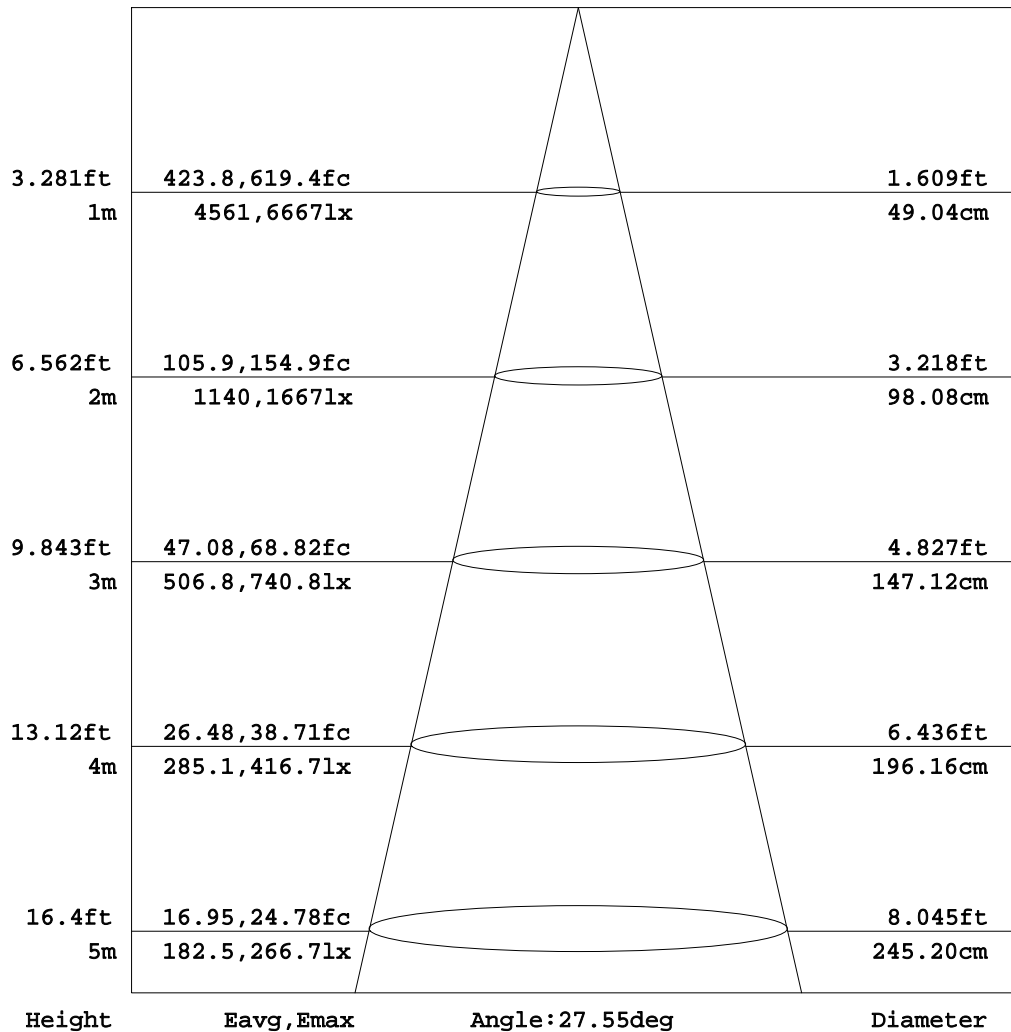
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-21

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:220.6V I:0.1309A P:27.56W PF:0.9543 Lamp Flux:2067.93x1 lm		
NAME: S150S2-25W-940-N	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L162mm*W162mm*H188mm	
MFR.: NEKO LIGHTING AG		

Flux out:890.8 lm



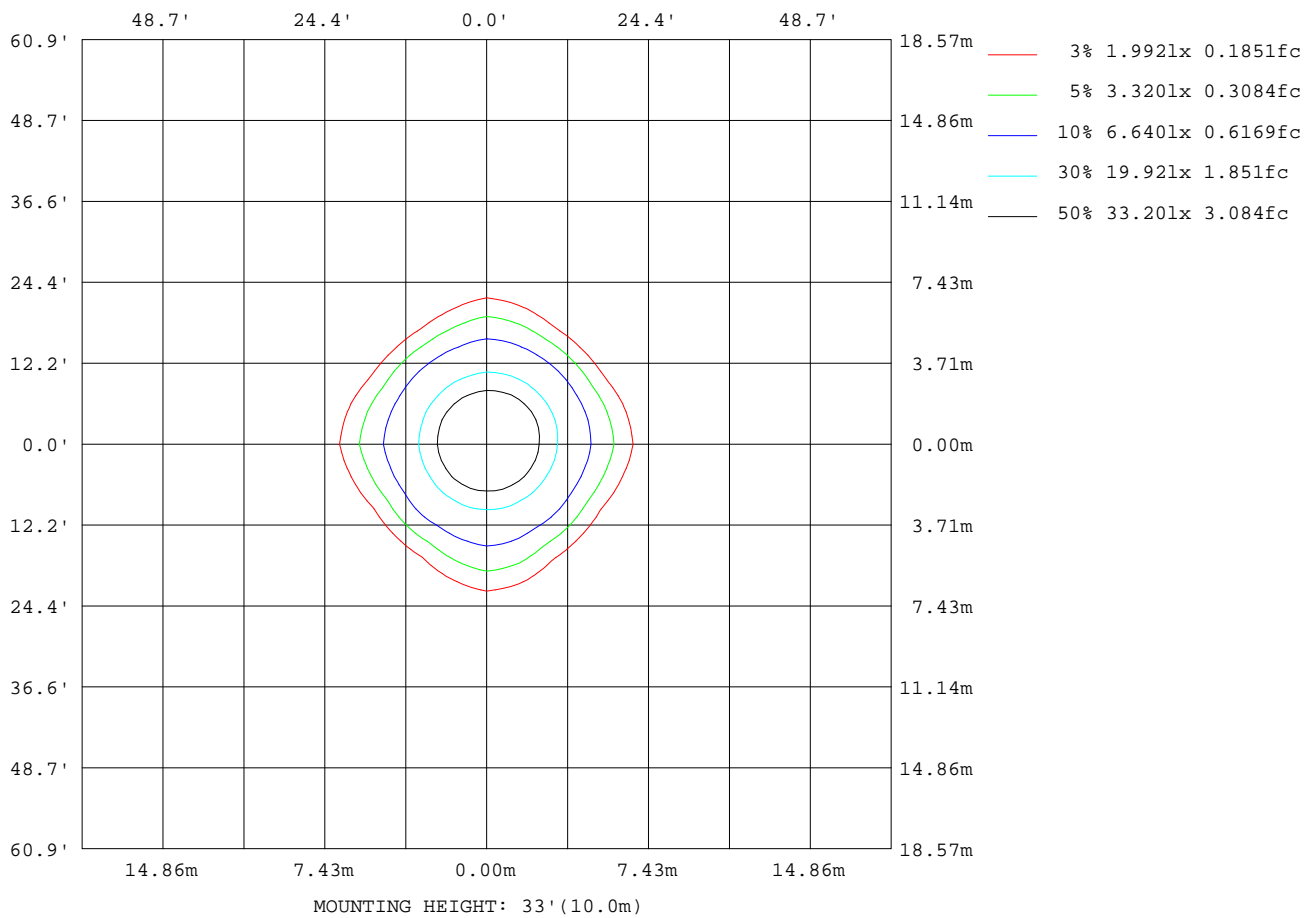
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-21

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

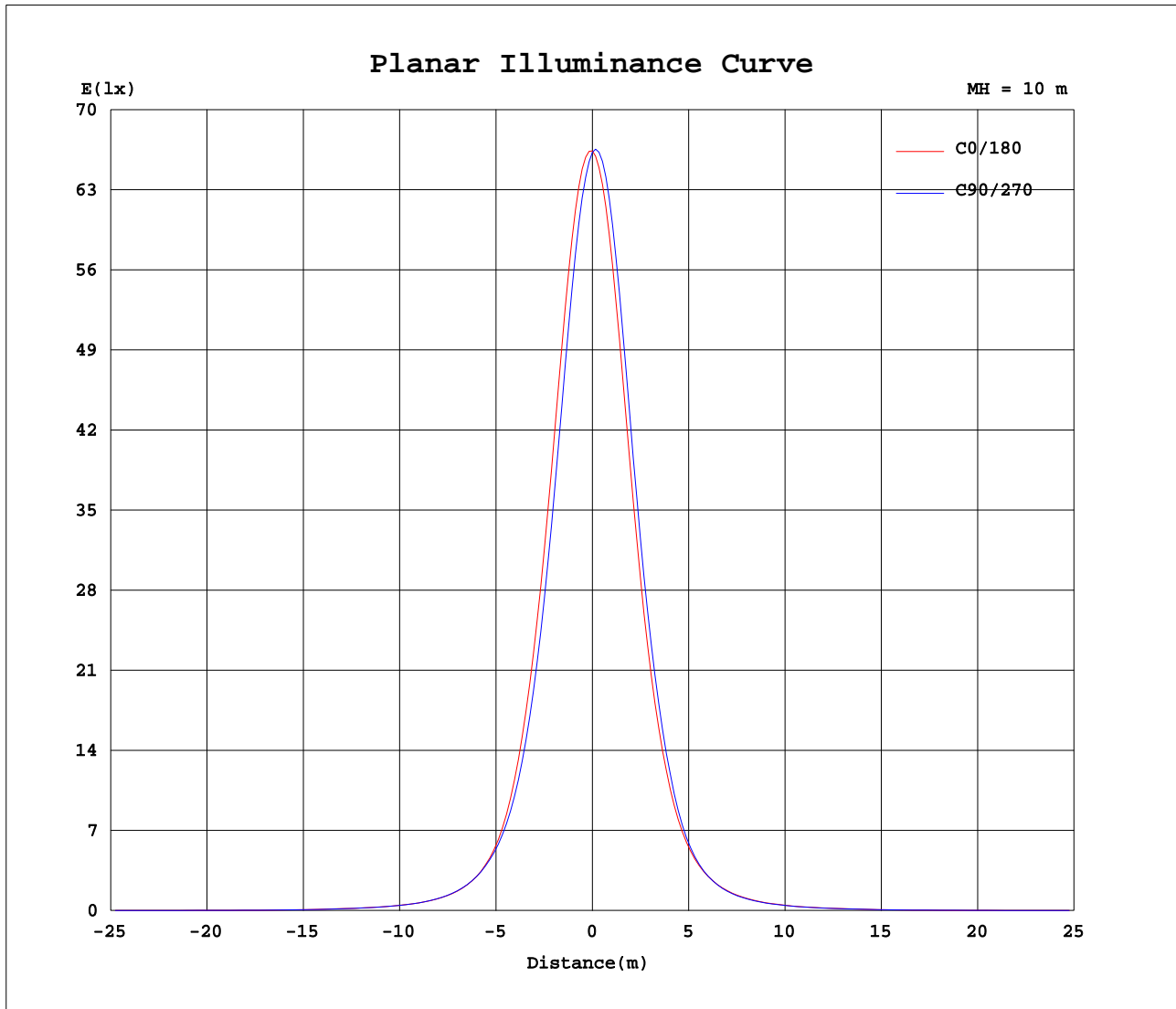
Test:U:220.6V I:0.1309A P:27.56W PF:0.9543 Lamp Flux:2067.93x1 lm		
NAME: S150S2-25W-940-N	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L162mm*W162mm*H188mm	
MFR.: NEKO LIGHTING AG		



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-21

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: 2017-06-21

$\gamma$  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:

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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:

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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	6640	6636	6634	6634	6630	6633	6628	6635	6629	6638
3.0	6508	6473	6408	6378	6316	6300	6257	6267	6246	6277
6.0	5972	5917	5797	5739	5631	5597	5528	5549	5523	5575
9.0	5111	5052	4906	4840	4702	4662	4574	4610	4590	4656
12.0	4109	4049	3906	3842	3707	3670	3591	3624	3607	3670
15.0	3143	3072	2932	2876	2773	2761	2702	2722	2693	2740
18.0	2309	2212	2077	2043	1973	1998	1973	1957	1905	1941
21.0	1623	1519	1387	1386	1330	1406	1404	1344	1267	1302
24.0	1106	987.0	882.5	887.7	862.6	962.2	998.2	904.5	806.8	833.9
27.0	755.9	645.7	553.6	563.2	558.0	670.6	719.2	619.6	515.5	524.0
30.0	530.2	439.5	362.2	366.4	375.8	477.8	525.3	437.3	345.7	341.0
33.0	381.6	314.2	254.2	255.2	267.5	346.7	385.3	317.4	247.6	238.3
36.0	282.4	234.1	191.2	191.0	200.7	256.6	286.0	236.8	187.2	179.6
39.0	214.2	180.2	150.6	151.0	156.9	194.2	215.7	181.5	147.9	142.8
42.0	164.5	143.4	122.0	122.1	125.4	151.1	164.5	143.5	119.8	115.9
45.0	130.6	116.0	100.0	99.39	101.5	119.2	129.5	113.9	97.70	94.88
48.0	102.8	94.46	81.57	79.84	81.84	96.20	101.0	92.26	79.90	77.13
51.0	81.87	75.02	66.58	62.81	65.38	75.03	80.80	72.14	64.77	62.52
54.0	63.82	58.31	49.75	48.87	49.23	55.83	59.45	53.26	48.50	49.97
57.0	42.58	37.59	35.32	36.94	33.84	36.27	40.14	34.19	32.59	37.03
60.0	30.42	24.74	23.46	27.77	22.03	24.30	29.07	22.22	21.04	27.36
63.0	21.36	16.39	13.87	18.99	12.62	15.12	19.90	14.52	11.91	18.51
66.0	12.36	4.894	4.942	12.07	4.560	5.658	11.21	5.592	4.196	11.22
69.0	7.456	1.437	1.501	6.517	1.809	1.661	6.840	1.283	1.487	5.816
72.0	3.006	0.8779	0.7851	2.761	0.9714	0.7502	3.050	0.5827	0.7545	2.404
75.0	0.9801	0.5833	0.6639	0.8222	0.3493	0.3033	0.6855	0.2792	0.3314	0.5230
78.0	0.3331	0.4285	0.4074	0.3690	0.1187	0.1093	0.1641	0.0984	0.1078	0.0917
81.0	0.3717	0.3979	0.3324	0.3103	0.1717	0.1552	0.1664	0.0962	0.0722	0.0700
84.0	0.3934	0.3848	0.3106	0.2711	0.1923	0.1425	0.1357	0.0962	0.0722	0.0722
87.0	0.3957	0.3538	0.2822	0.2252	0.2098	0.1334	0.1203	0.0984	0.0722	0.0743
90.0	0.3127	0.2908	0.2536	0.2208	0.1596	0.1290	0.1093	0.0984	0.0743	0.0743

G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	6632	6638	6640	6636	6634	6634	6630	6633	6628	6635
3.0	6275	6317	6372	6389	6442	6467	6517	6536	6575	6588
6.0	5575	5645	5730	5758	5854	5888	5979	6010	6089	6115
9.0	4648	4727	4821	4851	4972	5015	5125	5145	5244	5286
12.0	3658	3731	3826	3852	3973	4018	4120	4131	4230	4279
15.0	2731	2804	2888	2908	3007	3032	3124	3137	3248	3283
18.0	1932	2013	2115	2111	2160	2167	2234	2271	2399	2411
21.0	1285	1388	1509	1471	1473	1461	1516	1553	1693	1673
24.0	814.3	915.2	1048	999.6	941.6	940.8	958.8	1014	1151	1108
27.0	515.7	614.0	736.9	681.9	596.8	597.9	593.9	658.5	777.6	723.2
30.0	342.8	427.7	527.8	476.9	392.8	377.1	379.9	442.1	537.3	484.9
33.0	244.4	310.2	385.4	343.9	275.6	257.6	260.9	312.3	381.5	339.0
36.0	185.5	232.8	287.2	255.2	206.2	191.4	193.9	230.0	279.5	247.1
39.0	146.9	180.5	218.3	194.9	161.3	151.3	152.1	175.8	210.4	187.1
42.0	119.5	143.5	167.9	153.8	130.5	124.0	122.8	139.8	161.2	147.0
45.0	98.29	115.9	133.3	123.8	106.3	102.0	101.3	113.5	128.1	117.6
48.0	80.62	94.67	103.8	98.99	87.04	82.16	82.73	93.15	100.5	94.63
51.0	65.73	74.81	83.07	78.55	70.89	64.79	67.68	72.30	78.65	73.09
54.0	50.20	55.80	65.09	58.92	52.88	50.48	50.62	55.76	63.73	55.59
57.0	33.94	34.76	43.48	36.88	36.76	37.78	35.73	37.63	44.18	36.91
60.0	21.80	21.84	31.02	23.76	23.45	27.82	23.61	24.72	31.73	23.95
63.0	11.73	13.49	21.42	15.83	14.36	18.94	14.44	16.23	22.47	15.60
66.0	3.894	5.552	11.79	5.992	5.287	11.73	5.818	5.281	12.84	7.531
69.0	1.411	1.434	7.315	1.444	1.680	6.220	1.671	1.298	8.077	1.909
72.0	0.7962	0.6830	2.876	0.7342	0.9268	2.542	0.8288	0.6858	3.401	0.8002
75.0	0.3491	0.3141	0.8201	0.3639	0.4056	0.6295	0.3926	0.3771	0.9462	0.3924
78.0	0.1209	0.0983	0.5717	0.1185	0.1283	0.1385	0.1327	0.1426	0.3587	0.1382
81.0	0.0744	0.0765	0.1158	0.0984	0.0634	0.0700	0.0612	0.0898	0.1158	0.1137
84.0	0.0722	0.0743	0.0786	0.0788	0.0634	0.0634	0.0612	0.0809	0.0765	0.1050
87.0	0.0722	0.0743	0.0700	0.0700	0.0634	0.0634	0.0634	0.0700	0.0743	0.1028
90.0	0.0722	0.0743	0.0700	0.0678	0.0656	0.0634	0.0634	0.0678	0.0678	0.0678

G/C	300.0	315.0	330.0	345.0
0.0	6629	6638	6632	6638
3.0	6610	6605	6601	6565
6.0	6178	6166	6168	6086
9.0	5390	5376	5386	5267
12.0	4402	4402	4409	4273
15.0	3386	3376	3393	3284
18.0	2455	2438	2466	2414
21.0	1672	1651	1676	1676

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-06-21

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	1071	1063	1073	1111
27.0	660.7	660.0	662.7	728.7
30.0	414.7	410.5	418.0	491.9
33.0	277.3	268.7	280.6	346.3
36.0	201.3	192.1	203.9	253.3
39.0	155.5	148.5	157.3	192.4
42.0	124.2	120.3	125.5	150.8
45.0	101.2	98.61	102.3	120.6
48.0	82.23	79.20	83.19	97.94
51.0	66.53	63.40	68.18	77.32
54.0	49.98	50.17	51.41	59.89
57.0	35.09	37.88	36.93	38.05
60.0	23.47	28.43	24.10	24.24
63.0	14.69	20.18	15.05	15.63
66.0	6.005	12.81	5.895	7.298
69.0	1.868	7.087	1.730	1.605
72.0	1.056	3.016	0.9576	0.7956
75.0	0.5036	0.7832	0.4688	0.4231
78.0	0.1546	0.1649	0.1633	0.1647
81.0	0.0656	0.0722	0.0700	0.1573
84.0	0.0634	0.0678	0.0700	0.1835
87.0	0.0656	0.0656	0.0832	0.2120
90.0	0.0656	0.0656	0.1071	0.2361

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-21

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: