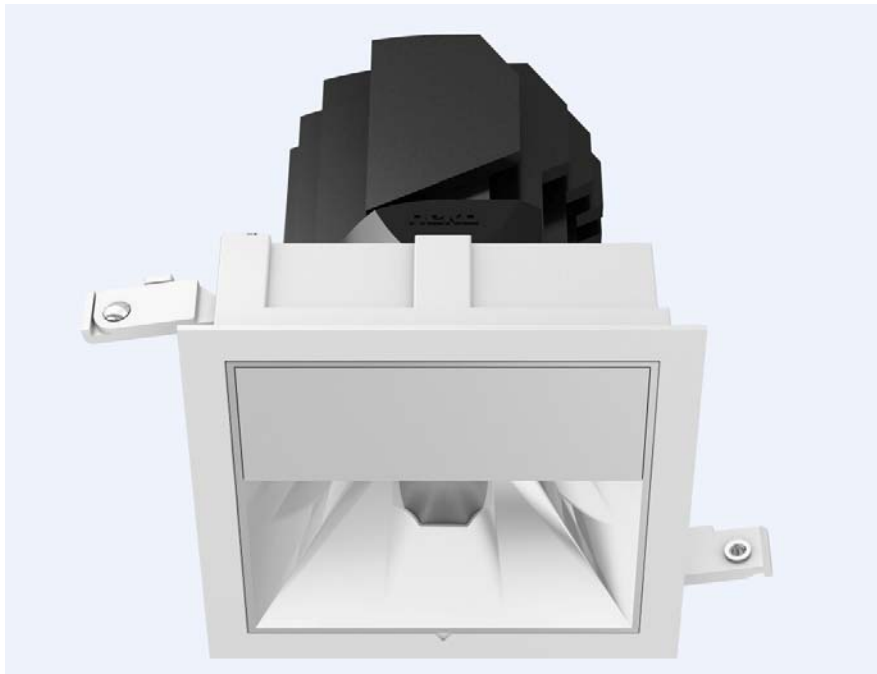


LED Downlight SENSE Series S150S3-25W-940



Light Output Ratio:	100.0%	
Luminaire Power:	27.52 W	
SHR Nominal:	1.00	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: 2017-06-21

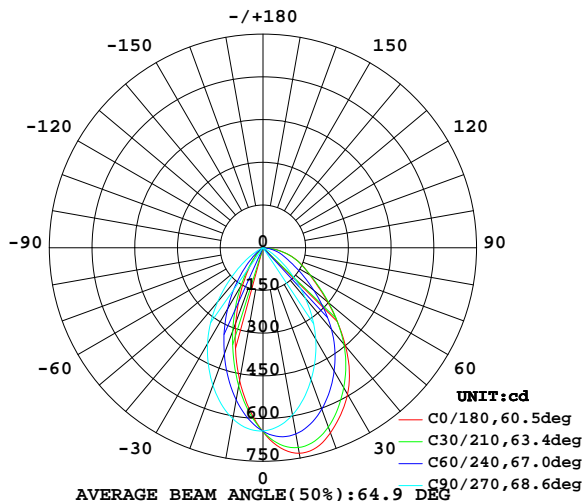
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

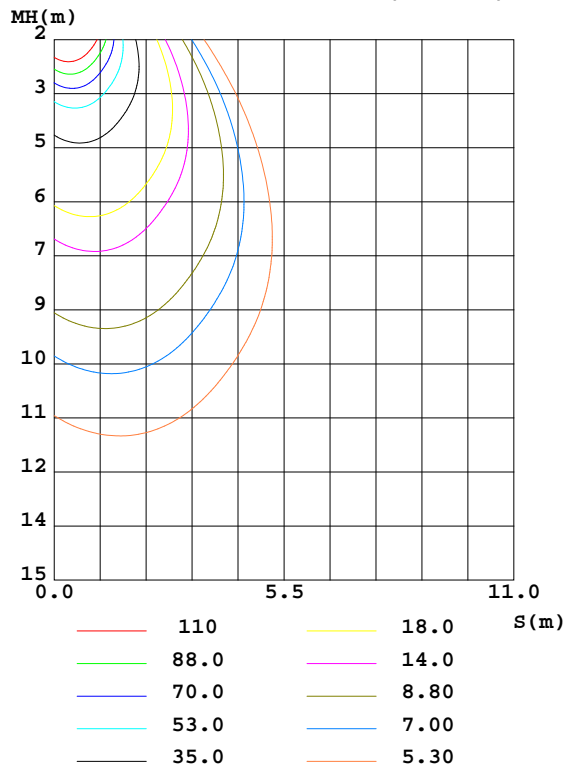
Test:U:220.7V I:0.1307A P:27.52W PF:0.9542 Lamp Flux:953.36x1 lm		
NAME: S150S3-25W-940	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L162mm*W162mm*H188mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 34.64 lm/W
MODEL	CITIZEN-4000K	I <sub>max</sub> (cd)	734.0	S/MH(C0/180)	0.56	
NOMINAL POWER(W)	28	LOR(%)	100.0	S/MH(C90/270)	0.98	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	953.36	η UP,DN(C0-180)	0.0,52.2	
NOMINAL FLUX(lm)	953.36	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,47.8	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.00	
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	1.00	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



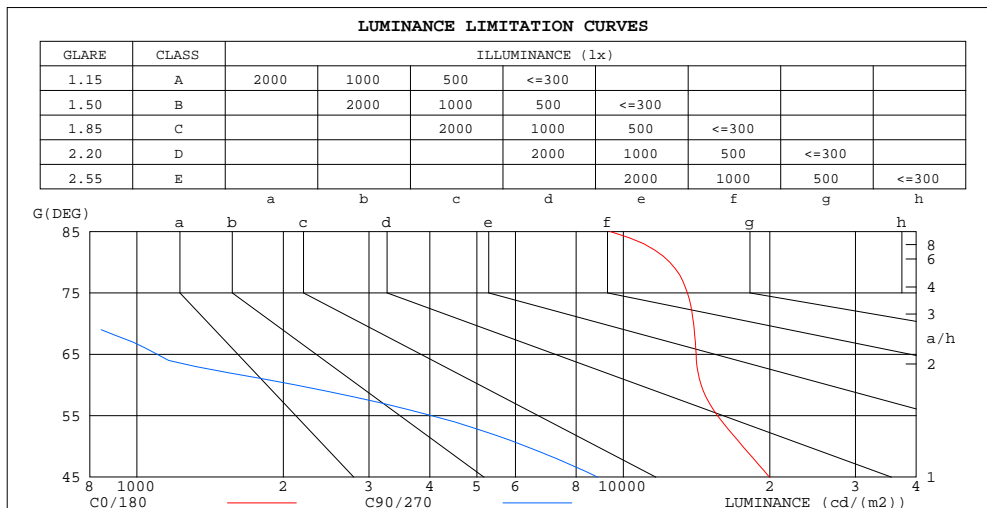
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-06-21

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	732.6	691.3	596.3	506.2	472.6	512.8	610.3	703.1	0- 10	59.50	59.50	6.24,6.24
20	692.0	644.4	493.7	341.0	279.7	346.0	514.2	666.5	10- 20	155.3	214.8	22.5,22.5
30	594.2	542.3	370.8	191.6	132.4	192.2	389.8	565.8	20- 30	199.6	414.4	43.5,43.5
40	451.0	420.2	231.8	73.32	50.32	72.18	247.6	439.6	30- 40	193.4	607.8	63.8,63.8
50	297.0	287.7	106.5	14.80	21.03	13.88	114.5	300.0	40- 50	149.3	757.1	79.4,79.4
60	189.7	171.9	27.80	4.592	5.142	4.422	29.32	175.9	50- 60	95.53	852.6	89.4,89.4
70	125.2	107.9	7.009	1.934	1.837	1.877	5.991	107.6	60- 70	58.12	910.7	95.5,95.5
80	56.78	49.18	1.060	0.8521	0.8235	0.8293	0.8810	50.38	70- 80	34.12	944.9	99.1,99.1
90	0.1640	0.1443	0.1793	0.2624	0.2908	0.2711	0.1356	0.1399	80- 90	8.510	953.4	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	9387	149
80	12460	232
75	13540	486
70	13944	781
65	14119	1100
60	14454	2119
55	15620	4034
50	17603	6311
45	19963	8849

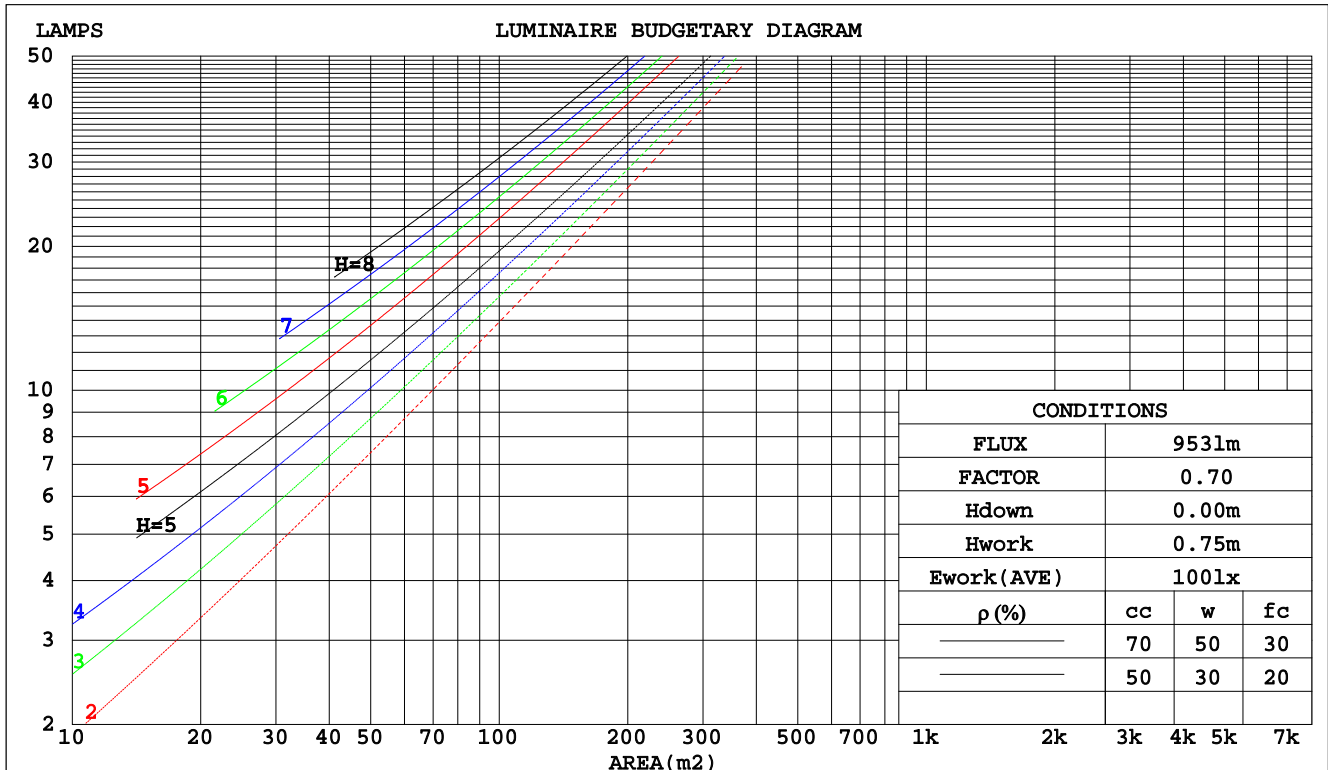
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-21

$\gamma$  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:220.7V I:0.1307A P:27.52W PF:0.9542 Lamp Flux:953.36x1 lm		
NAME: S150S3-25W-940	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	1.07	1.04	1.00	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.96	.90	.86	.94	.89	.85	.91	.87	.83	.88	.84	.81	.85	.82	.79	.77
3.0	.87	.80	.74	.85	.79	.74	.82	.77	.73	.80	.75	.71	.77	.73	.70	.68
4.0	.79	.71	.66	.77	.70	.65	.75	.69	.64	.73	.68	.63	.71	.66	.63	.61
5.0	.72	.64	.58	.71	.63	.58	.69	.62	.57	.67	.61	.57	.65	.60	.56	.55
6.0	.66	.58	.52	.65	.58	.52	.63	.57	.52	.62	.56	.51	.60	.55	.51	.49
7.0	.61	.53	.48	.60	.53	.47	.58	.52	.47	.57	.51	.47	.56	.51	.47	.45
8.0	.56	.49	.43	.55	.48	.43	.54	.48	.43	.53	.47	.43	.52	.47	.43	.41
9.0	.52	.45	.40	.52	.45	.40	.50	.44	.40	.49	.44	.39	.49	.43	.39	.38
10.0	.49	.42	.37	.48	.41	.37	.47	.41	.37	.46	.41	.36	.46	.40	.36	.35



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:220.7V I:0.1307A P:27.52W PF:0.9542 Lamp Flux:953.36x1 lm		
NAME: S150S3-25W-940	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	.249	.142	.045	.242	.138	.044	.229	.132	.042	.218	.125	.040	.207	.120	.039		
2.0	.238	.130	.040	.232	.128	.039	.220	.123	.038	.210	.118	.037	.201	.113	.036		
3.0	.223	.119	.036	.218	.117	.035	.208	.113	.034	.199	.109	.033	.191	.106	.033		
4.0	.209	.109	.032	.204	.107	.032	.196	.104	.031	.188	.101	.030	.180	.098	.030		
5.0	.196	.100	.029	.192	.098	.029	.184	.096	.028	.177	.093	.028	.170	.091	.027		
6.0	.184	.092	.026	.180	.091	.026	.173	.089	.026	.167	.087	.026	.161	.085	.025		
7.0	.173	.085	.024	.170	.085	.024	.164	.083	.024	.158	.081	.024	.153	.079	.023		
8.0	.163	.080	.022	.160	.079	.022	.155	.077	.022	.150	.076	.022	.145	.074	.022		
9.0	.154	.075	.021	.151	.074	.021	.147	.073	.021	.142	.071	.020	.138	.070	.020		
10.0	.146	.070	.019	.144	.069	.019	.139	.068	.019	.135	.067	.019	.131	.066	.019		

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	.176	.157	.139	.151	.134	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.165	.132	.105	.141	.114	.090	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.155	.114	.081	.133	.098	.070	.092	.068	.049	.053	.040	.029	.017	.013	.010	
4.0	.147	.100	.064	.126	.086	.056	.087	.060	.039	.050	.035	.023	.016	.011	.008	
5.0	.139	.089	.052	.120	.077	.046	.082	.054	.032	.048	.032	.019	.015	.010	.006	
6.0	.132	.080	.043	.114	.070	.038	.078	.049	.027	.045	.029	.016	.015	.009	.005	
7.0	.126	.073	.037	.108	.064	.032	.075	.045	.023	.043	.026	.014	.014	.009	.004	
8.0	.120	.067	.032	.103	.058	.028	.071	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.114	.062	.028	.098	.054	.024	.068	.038	.017	.040	.022	.010	.013	.007	.003	
10.0	.109	.058	.024	.094	.050	.021	.065	.036	.015	.038	.021	.009	.012	.007	.003	

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:220.7V I:0.1307A P:27.52W PF:0.9542 Lamp Flux:953.36x1 lm										
NAME: S150S3-25W-940					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	23.9	25.2	24.1	25.4	25.6	20.4	21.6	20.6	21.8	22.0
3H	25.3	26.5	25.6	26.7	26.9	20.5	21.7	20.8	21.9	22.1
4H	25.9	27.0	26.2	27.3	27.5	20.5	21.6	20.8	21.8	22.1
6H	26.4	27.5	26.7	27.7	28.0	20.4	21.4	20.7	21.7	22.0
8H	26.6	27.6	26.9	27.8	28.1	20.3	21.3	20.7	21.6	21.9
12H	26.6	27.6	27.0	27.9	28.2	20.3	21.3	20.6	21.5	21.8
4H 2H	24.2	25.3	24.5	25.6	25.8	21.5	22.6	21.8	22.9	23.1
3H	25.9	26.9	26.2	27.2	27.4	22.0	23.0	22.4	23.3	23.6
4H	26.7	27.6	27.1	27.9	28.2	22.2	23.1	22.5	23.4	23.7
6H	27.3	28.1	27.7	28.5	28.8	22.1	22.9	22.5	23.3	23.6
8H	27.6	28.3	28.0	28.6	29.0	22.1	22.8	22.5	23.2	23.6
12H	27.7	28.3	28.1	28.7	29.1	22.1	22.7	22.5	23.1	23.5
8H 4H	26.9	27.6	27.3	28.0	28.3	23.0	23.8	23.5	24.1	24.5
6H	27.7	28.3	28.1	28.7	29.1	23.2	23.8	23.6	24.2	24.6
8H	28.0	28.5	28.4	28.9	29.4	23.2	23.7	23.6	24.1	24.6
12H	28.2	28.6	28.6	29.1	29.5	23.2	23.6	23.6	24.0	24.5
12H 4H	26.8	27.5	27.3	27.9	28.3	23.2	23.8	23.6	24.2	24.6
6H	27.7	28.2	28.1	28.6	29.1	23.5	24.0	23.9	24.4	24.9
8H	28.0	28.5	28.5	28.9	29.4	23.5	23.9	24.0	24.4	24.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.7 / - 0.7				
1.5H	+ 0.1 / - 0.2					+ 0.6 / - 1.0				
2.0H	+ 0.3 / - 0.4					+ 1.0 / - 1.6				

CIE Pub.117 Corrected 953.4 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.2)

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:220.7V I:0.1307A P:27.52W PF:0.9542 Lamp Flux:953.36x1 lm		
NAME: S150S3-25W-940	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) $k(RI) \times RCR = 5$									
$k = 0.60$	69	59	54	68	59	54	67	59	53	48
0.80	78	69	63	77	69	63	76	68	63	57
1.00	86	77	71	85	76	71	83	77	70	64
1.25	92	83	78	90	83	77	88	81	77	71
1.50	96	88	83	94	87	82	92	86	81	75
2.00	101	94	89	99	93	89	96	91	87	80
2.50	104	98	93	102	96	92	98	94	90	83
3.00	106	101	97	104	100	96	101	97	94	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	108	104	109	106	103	105	102	100	91
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:220.7V I:0.1307A P:27.52W PF:0.9542 Lamp Flux:953.36x1 lm		
NAME: S150S3-25W-940	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L162mm*W162mm*H188mm	
MFR.: NEKO LIGHTING AG		

Conical surface Flux(90deg):

689.21 lm

%lum = 72.3%

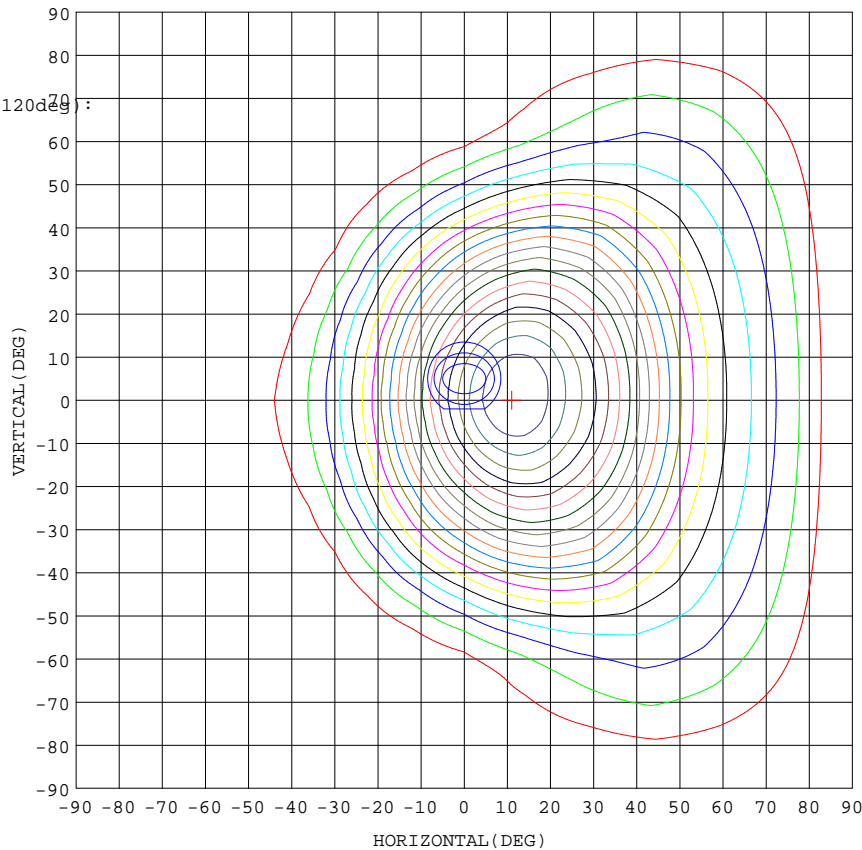
%lamp = 72.3%

Conical surface Flux(120deg):

852.61 lm

%lum = 89.4%

%lamp = 89.4%



5% 36.70  
10% 73.40  
15% 110.1  
20% 146.8  
25% 183.5  
30% 220.2  
35% 256.9  
40% 293.6  
45% 330.3  
50% 367.0  
55% 403.7  
60% 440.4  
65% 477.1  
70% 513.8  
75% 550.5  
80% 587.2  
85% 623.9  
90% 660.6  
95% 697.3

1. AVG=632.8,MIN=557.2  
2. AVG=628.4,MIN=523.3  
3. AVG=622.3,MIN=494.4

Imax:734.0(H11.0,V0.0)  
(At:C=0.0,Gamma=11.0)

UNIT: cd

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

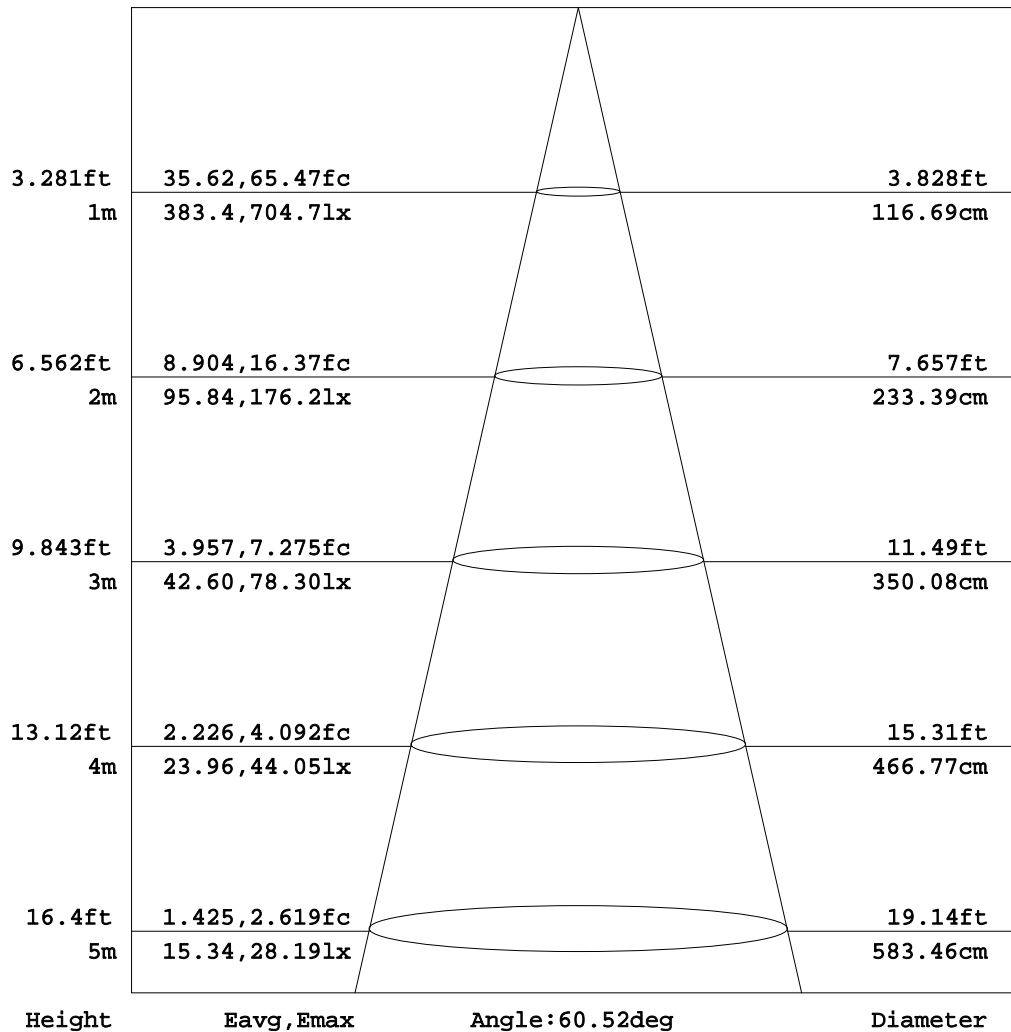
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:



AAI Figure

Test:U:220.7V I:0.1307A P:27.52W PF:0.9542 Lamp Flux:953.36x1 lm		
NAME: S150S3-25W-940	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L162mm*W162mm*H188mm	
MFR.: NEKO LIGHTING AG		

Flux out:434.8 lm



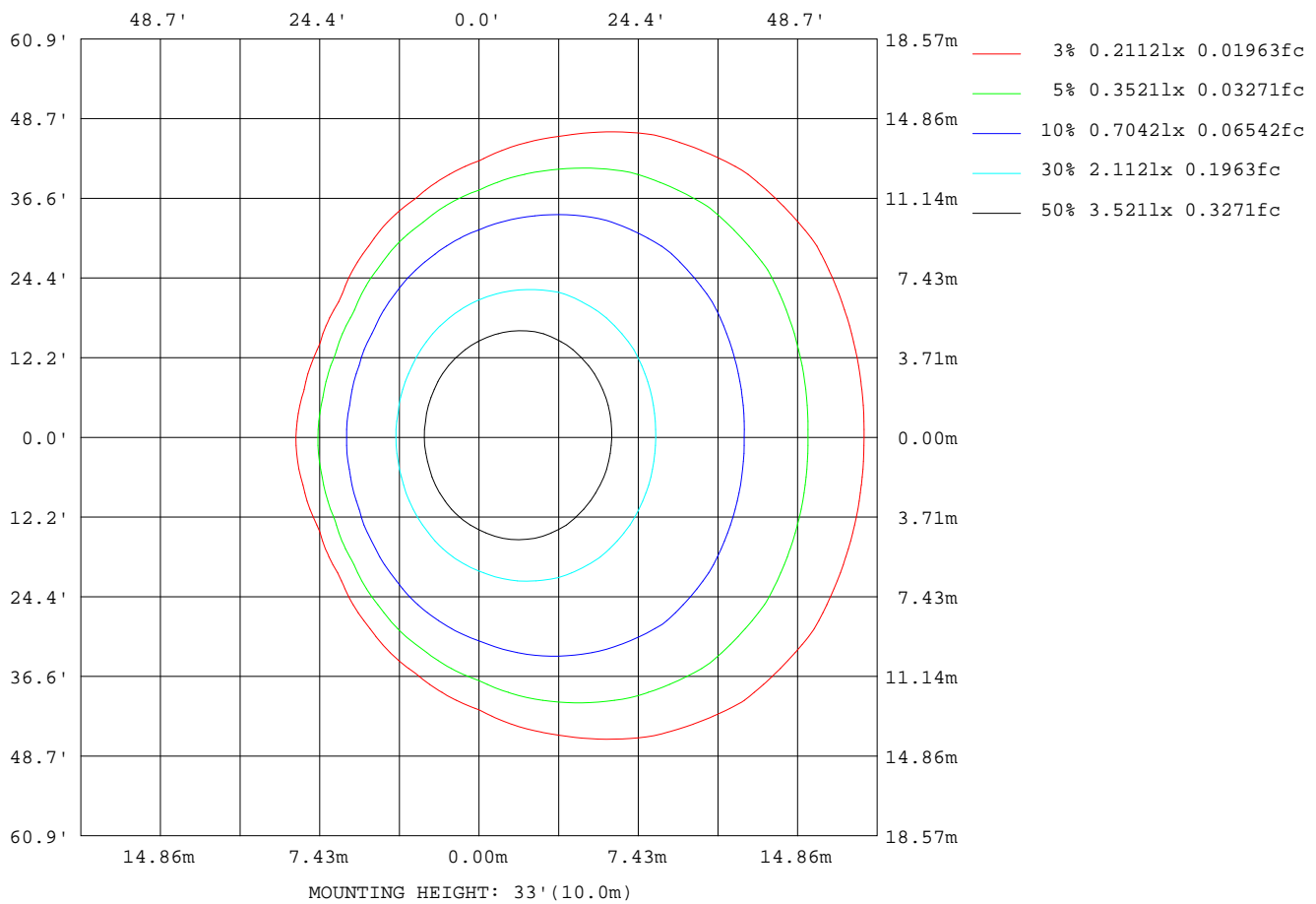
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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**

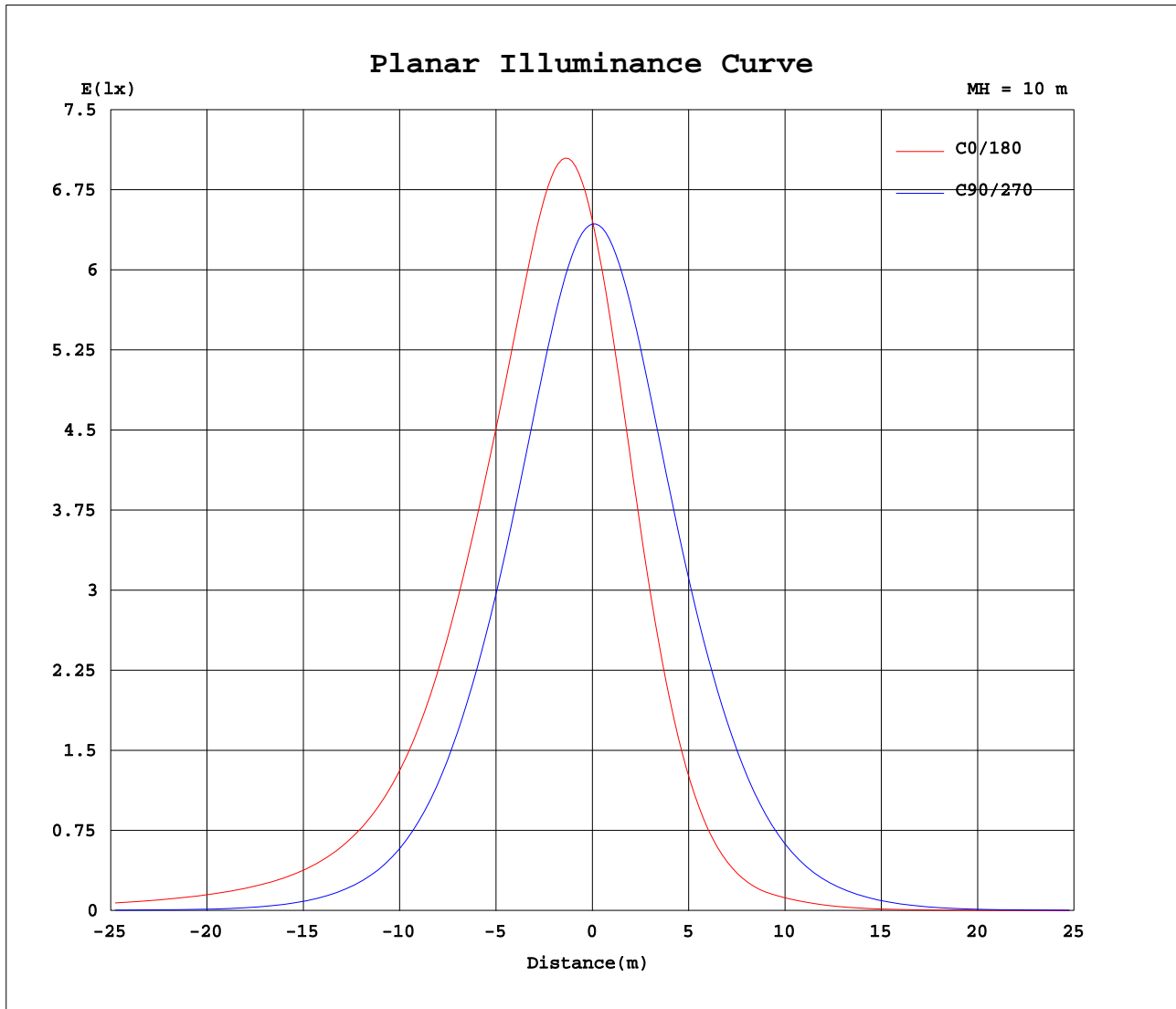
Test:U:220.7V I:0.1307A P:27.52W PF:0.9542 Lamp Flux:953.36x1 lm		
NAME: S150S3-25W-940	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L162mm*W162mm*H188mm	
MFR.: NEKO LIGHTING AG		



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:

```

```

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	646.4	644.5	645.6	643.9	644.4	643.4	643.1	643.1	642.3	643.5
3.0	685.0	681.6	677.4	668.9	659.8	648.6	637.1	626.4	615.5	608.2
6.0	713.4	708.3	699.4	684.8	667.2	646.3	623.9	603.2	582.5	567.4
9.0	729.9	723.5	710.9	691.3	666.0	636.6	604.1	574.3	544.6	522.2
12.0	734.0	727.0	711.7	688.5	657.1	620.2	578.9	541.0	503.6	473.9
15.0	726.1	719.0	702.6	677.5	641.3	598.0	549.3	504.5	460.0	423.6
18.0	708.2	701.5	685.4	659.5	620.0	571.7	516.8	466.1	415.5	373.5
21.0	683.2	677.0	661.6	635.8	594.2	542.0	482.0	426.6	370.9	325.0
24.0	655.7	648.3	632.9	607.7	565.1	509.9	445.9	387.0	327.1	278.4
27.0	626.5	618.2	600.7	576.2	533.4	476.0	408.9	347.0	284.1	233.8
30.0	594.2	585.8	567.0	542.3	499.8	440.4	370.8	306.7	242.3	191.6
33.0	556.6	549.8	531.7	506.3	464.7	402.8	331.0	265.8	201.2	151.8
36.0	514.3	509.3	494.6	469.6	427.7	362.5	289.2	224.9	161.4	114.8
39.0	467.4	464.8	455.3	432.8	388.3	319.6	246.1	183.8	124.9	82.90
42.0	418.4	417.4	413.2	395.2	345.4	276.3	204.2	144.4	93.15	56.48
45.0	370.5	371.5	370.4	356.8	302.1	235.0	164.2	109.2	66.89	36.26
48.0	325.1	327.2	328.9	315.8	260.5	195.6	128.0	79.76	45.49	21.62
51.0	283.6	286.5	289.1	273.9	221.1	159.2	96.53	55.61	29.06	12.27
54.0	246.5	249.8	252.4	234.4	185.5	125.2	69.28	35.93	16.76	8.566
57.0	214.9	217.8	219.9	200.5	154.1	95.52	45.81	20.53	8.545	6.202
60.0	189.7	191.2	192.3	171.9	127.0	71.91	27.80	9.632	4.341	4.592
63.0	168.8	169.4	168.4	148.1	104.6	55.11	15.74	3.712	3.192	3.506
66.0	150.4	150.6	148.0	128.2	87.33	44.66	11.12	2.563	2.575	2.801
69.0	131.6	131.6	130.1	112.6	74.44	36.49	7.941	1.934	1.944	2.098
72.0	112.1	112.0	111.2	97.48	61.80	28.08	5.338	1.492	1.558	1.636
75.0	91.97	91.94	91.37	80.55	48.45	20.08	3.302	1.141	1.228	1.298
78.0	71.19	71.07	70.43	62.09	34.46	12.42	1.767	0.8455	0.9434	1.012
81.0	49.58	49.54	48.45	42.62	20.77	5.917	0.8008	0.6160	0.7156	0.7778
84.0	28.19	28.21	26.98	23.20	9.109	1.751	0.3924	0.4368	0.5168	0.5854
87.0	9.134	9.169	8.207	6.540	1.814	0.2792	0.2585	0.3058	0.3570	0.4150
90.0	0.1640	0.1487	0.1531	0.1443	0.1531	0.1290	0.1793	0.2427	0.2230	0.2624

G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	642.3	644.4	646.4	645.6	643.9	643.4	643.1	643.1	642.3	643.5
3.0	600.7	599.0	600.3	600.4	606.1	611.5	621.1	630.5	641.6	652.4
6.0	553.4	548.2	548.5	550.0	560.6	572.5	591.2	610.4	632.7	654.1
9.0	501.9	492.9	492.1	495.0	510.0	528.4	555.7	584.2	616.9	648.3
12.0	447.4	434.6	432.4	436.6	455.8	480.4	516.0	552.8	594.9	635.4
15.0	392.1	376.3	373.0	377.8	400.2	429.9	472.7	517.5	567.8	616.2
18.0	338.7	320.4	316.0	321.6	345.8	379.3	427.9	479.6	536.7	592.0
21.0	287.6	267.6	262.4	268.1	293.4	329.5	382.2	439.9	502.5	563.6
24.0	239.8	219.1	213.5	219.0	244.2	281.6	337.1	399.4	466.5	532.1
27.0	195.4	175.5	170.0	174.9	198.4	235.7	292.6	358.2	428.8	498.1
30.0	154.9	137.3	132.4	136.0	156.7	192.2	249.1	316.5	389.8	461.9
33.0	118.4	103.9	100.5	102.9	118.7	151.3	206.6	274.3	349.2	423.3
36.0	86.71	76.91	75.14	75.61	86.57	113.9	165.9	231.9	306.7	381.9
39.0	60.46	55.69	55.63	54.19	60.17	81.66	128.4	190.2	262.4	337.6
42.0	40.32	39.95	42.19	38.74	39.85	55.11	95.45	149.9	218.6	292.7
45.0	26.05	30.99	34.03	30.04	25.62	34.92	68.61	114.0	176.7	248.8
48.0	18.82	23.46	26.11	22.75	18.47	20.52	46.93	83.73	138.0	206.9
51.0	13.67	16.88	18.59	16.31	13.42	11.48	29.89	58.15	103.8	167.7
54.0	9.656	11.44	12.22	11.05	9.500	8.209	17.14	37.50	74.38	131.7
57.0	6.770	7.546	7.781	7.329	6.661	5.950	8.589	21.40	49.27	99.73
60.0	4.866	5.109	5.142	4.983	4.761	4.422	4.265	9.946	29.32	73.50
63.0	3.579	3.630	3.614	3.544	3.527	3.374	3.158	3.650	15.27	54.10
66.0	2.740	2.683	2.654	2.633	2.676	2.608	2.425	2.365	9.710	42.60
69.0	2.081	2.043	2.005	2.009	2.058	2.035	1.883	1.829	6.825	34.85
72.0	1.644	1.586	1.549	1.558	1.601	1.595	1.474	1.422	4.514	26.88
75.0	1.302	1.239	1.215	1.223	1.252	1.254	1.147	1.085	2.750	19.25
78.0	1.031	0.9899	0.9678	0.9845	0.9831	0.9803	0.8781	0.8119	1.470	12.13
81.0	0.8119	0.7822	0.7559	0.7811	0.7646	0.7636	0.6661	0.5952	0.6715	6.082
84.0	0.6282	0.6051	0.5919	0.6149	0.5963	0.5821	0.4869	0.4181	0.3318	2.033
87.0	0.4642	0.4413	0.4501	0.4618	0.4454	0.4377	0.3450	0.2846	0.2074	0.3701
90.0	0.2930	0.2930	0.2908	0.2930	0.2842	0.2711	0.2274	0.1749	0.1356	0.1268

G/C	300.0	315.0	330.0	345.0
0.0	642.3	643.5	642.3	644.4
3.0	662.1	671.6	677.3	682.5
6.0	674.2	691.3	702.9	711.0
9.0	677.7	701.7	718.3	728.1
12.0	673.3	702.8	723.0	733.4
15.0	661.6	695.3	717.6	727.1
18.0	643.5	680.2	703.2	711.1
21.0	619.9	658.5	681.4	687.4

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:

Photometric Data Table [cd]

24.0	592.1	631.6	653.8	659.0
27.0	560.8	600.3	621.8	628.7
30.0	526.8	565.8	587.5	596.0
33.0	490.9	529.0	551.3	559.7
36.0	453.0	490.8	513.3	518.3
39.0	412.4	452.6	472.9	472.8
42.0	368.0	413.6	429.1	424.6
45.0	323.0	373.1	384.7	377.1
48.0	278.7	329.9	341.1	332.0
51.0	236.1	285.0	299.1	290.4
54.0	197.0	242.9	260.3	253.0
57.0	162.2	206.6	226.0	220.3
60.0	132.4	175.9	196.5	193.0
63.0	106.8	150.1	171.4	170.8
66.0	87.15	129.1	150.3	151.9
69.0	73.51	112.4	132.1	133.0
72.0	61.32	97.30	113.2	113.4
75.0	48.29	80.57	93.57	93.19
78.0	34.97	62.58	73.01	72.39
81.0	21.95	44.11	51.89	51.04
84.0	10.49	25.53	30.39	29.65
87.0	2.759	8.705	10.87	10.35
90.0	0.1268	0.1399	0.1880	0.1902

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: