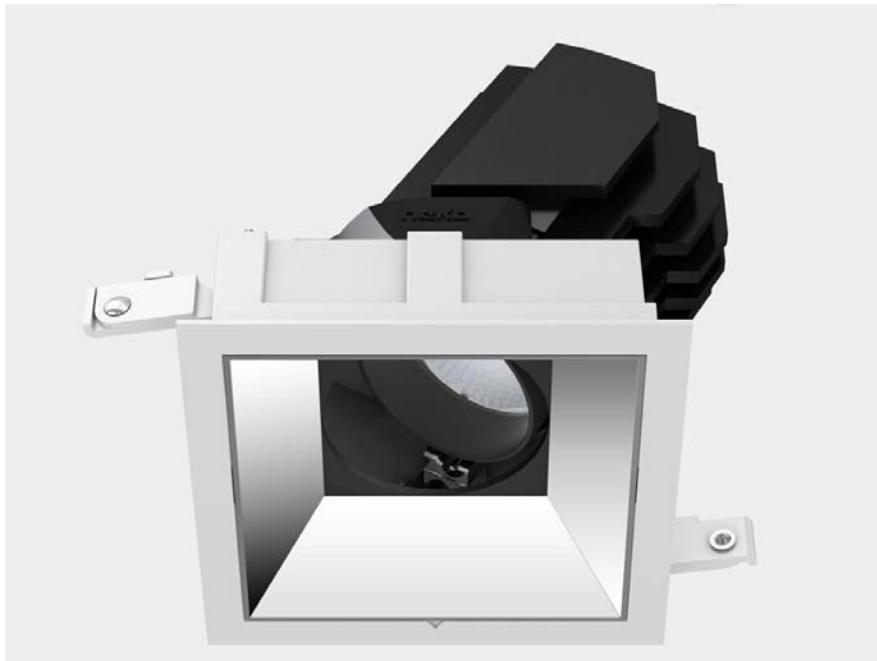


LED Downlight SENSE Series S150S1-25W-930-N



Light Output Ratio:	100.0%	
Luminaire Power:	27.54 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

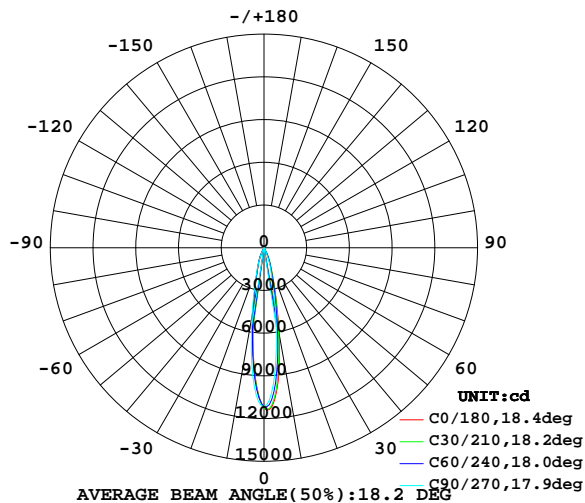
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

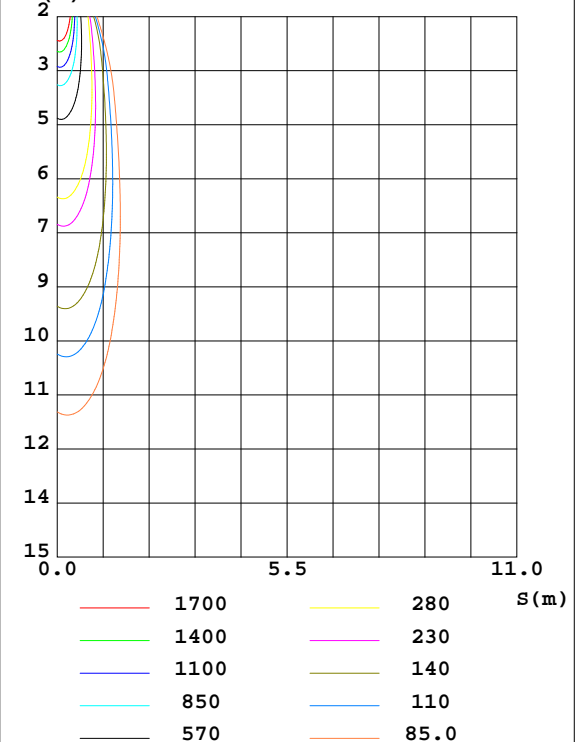
Test:U:220.8V I:0.1308A P:27.54W PF:0.9536 Lamp Flux:1774.61x1 lm		
NAME: S150S1-25W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L162mm*W162mm*H188mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 64.43 lm/W
MODEL	CITIZEN-3000K	I <sub>max</sub> (cd)	11408	S/MH(C0/180)	0.28	
NOMINAL POWER(W)	28	LOR(%)	100.0	S/MH(C90/270)	0.31	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1774.6	η UP,DN(C0-180)	0.0,50.4	
NOMINAL FLUX(lm)	1774.61	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.6	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	1.00	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



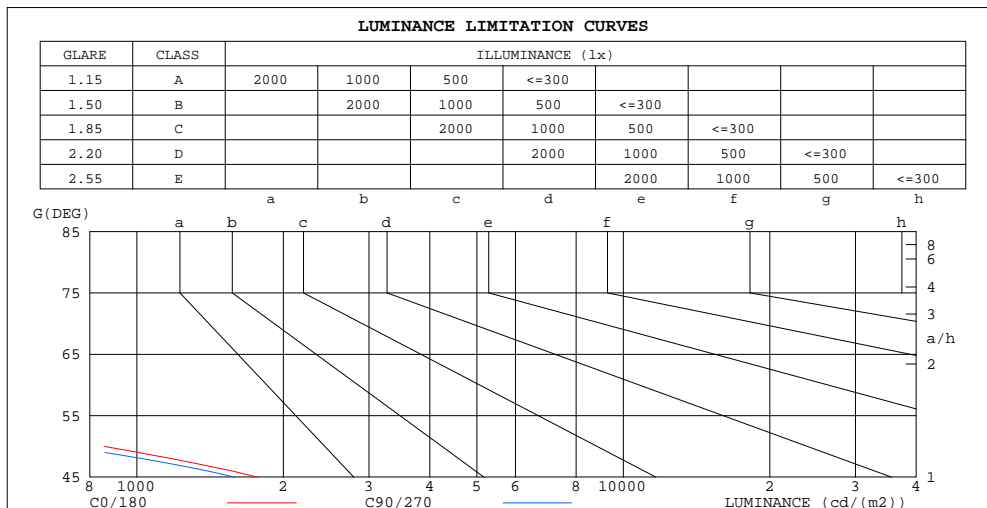
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-17

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:

**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	610.1	575.4	474.3	434.1	425.1	419.7	487.0	569.4	0- 10	725.6	725.6	40.9,40.9
20	139.0	141.3	113.1	117.3	106.1	115.2	118.0	140.3	10- 20	689.4	1415	79.7,79.7
30	13.31	32.96	11.15	23.00	10.74	21.38	11.05	34.16	20- 30	271.7	1687	95.1,95.1
40	5.236	6.605	4.964	5.963	4.661	5.892	5.002	6.463	30- 40	55.91	1743	98.2,98.2
50	1.447	2.215	1.124	1.720	0.8951	1.875	1.388	2.274	40- 50	25.59	1768	99.6,99.6
60	0.1019	0.2363	0.0821	0.1741	0.0947	0.2144	0.1151	0.2486	50- 60	5.437	1774	99.9,99.9
70	0.0332	0.0232	0.0368	0.0273	0.0357	0.0403	0.0404	0.0291	60- 70	0.6563	1774	100,100
80	0.0092	0.0094	0.0204	0.0094	0.0061	0.0050	0.0066	0.0057	70- 80	0.1422	1775	100,100
90	0.0101	0.0101	0.0105	0.0105	0.0061	0.0050	0.0066	0.0074	80- 90	0.0890	1775	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:×10cd									UNIT:lm		



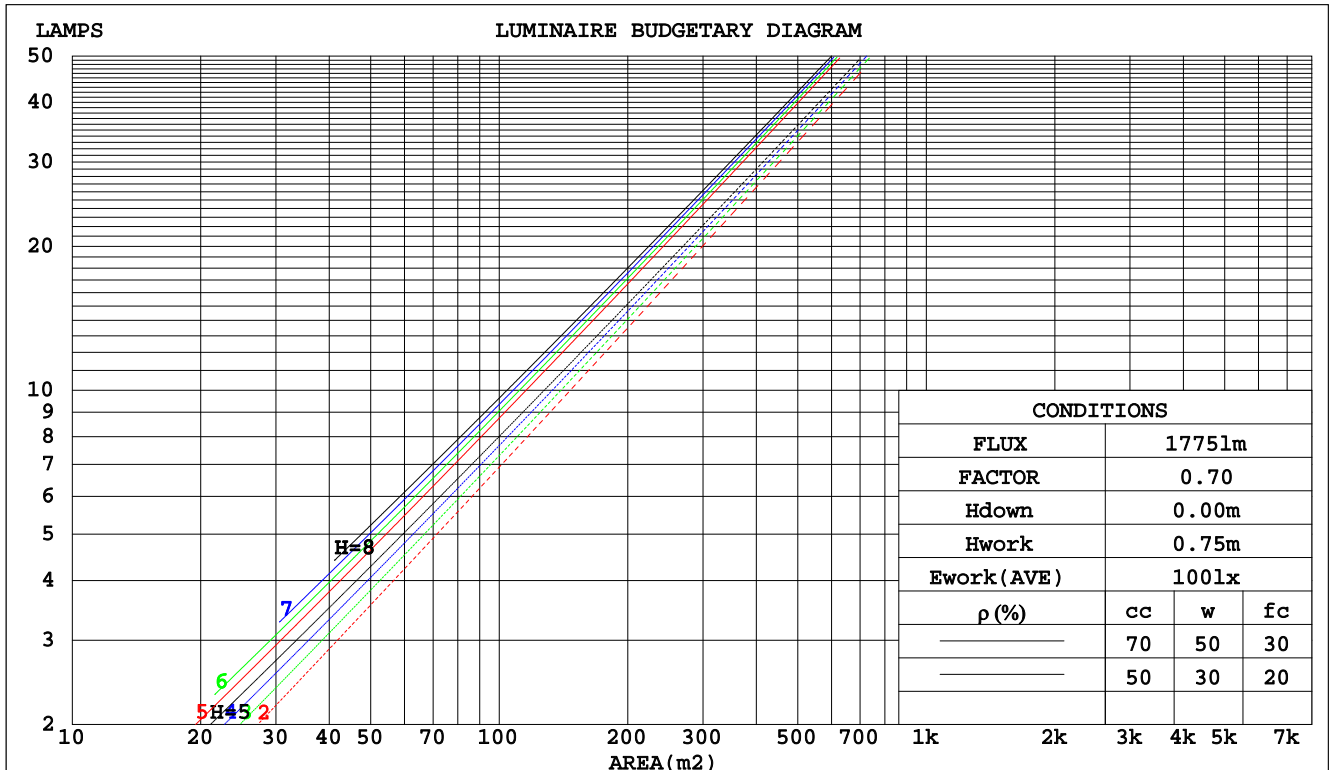
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-06-17

$\gamma$  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:220.8V I:0.1308A P:27.54W PF:0.9536 Lamp Flux:1774.61x1 lm		
NAME: S150S1-25W-930-N	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	1.13	1.11	1.10	1.11	1.09	1.08	1.07	1.06	1.05	1.03	1.02	1.01	.00	.99	.99	.97														
2.0	1.08	1.05	1.03	1.06	1.04	1.01	1.03	1.01	.99	1.00	.99	.97	.98	.96	.95	.94														
3.0	1.04	1.00	.97	1.02	.99	.96	.00	.97	.95	.98	.95	.94	.95	.94	.92	.91														
4.0	.00	.96	.93	.99	.95	.92	.97	.94	.91	.95	.92	.90	.93	.91	.89	.88														
5.0	.96	.92	.89	.95	.92	.89	.94	.91	.88	.92	.90	.87	.91	.89	.87	.86														
6.0	.93	.89	.86	.92	.89	.86	.91	.88	.85	.90	.87	.85	.89	.86	.84	.83														
7.0	.90	.86	.83	.90	.86	.83	.89	.85	.83	.88	.85	.82	.87	.84	.82	.81														
8.0	.88	.84	.81	.87	.83	.81	.86	.83	.80	.85	.82	.80	.85	.82	.80	.79														
9.0	.85	.81	.79	.85	.81	.79	.84	.81	.78	.83	.80	.78	.83	.80	.78	.77														
10.0	.83	.79	.77	.83	.79	.77	.82	.79	.76	.81	.78	.76	.81	.78	.76	.75														



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:

WEC AND CCEC

Test:U:220.8V I:0.1308A P:27.54W PF:0.9536 Lamp Flux:1774.61x1 lm		
NAME: S150S1-25W-930-N	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	.134	.076	.024	.127	.072	.023	.115	.066	.021	.103	.060	.019	.093	.054	.017	
2.0	.124	.068	.021	.118	.065	.020	.108	.060	.019	.099	.055	.017	.090	.051	.016	
3.0	.115	.061	.018	.111	.059	.018	.102	.055	.017	.094	.052	.016	.087	.048	.015	
4.0	.108	.056	.016	.104	.054	.016	.097	.051	.015	.090	.048	.015	.084	.046	.014	
5.0	.101	.052	.015	.098	.050	.015	.092	.048	.014	.086	.046	.014	.081	.043	.013	
6.0	.096	.048	.014	.093	.047	.014	.088	.045	.013	.083	.043	.013	.078	.041	.012	
7.0	.091	.045	.013	.089	.044	.013	.084	.042	.012	.080	.041	.012	.076	.039	.012	
8.0	.087	.042	.012	.084	.042	.012	.080	.040	.011	.077	.039	.011	.073	.038	.011	
9.0	.083	.040	.011	.081	.039	.011	.077	.038	.011	.074	.037	.011	.071	.036	.010	
10.0	.079	.038	.011	.077	.037	.010	.074	.036	.010	.071	.035	.010	.069	.035	.010	

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	.168	.158	.148	.144	.135	.128	.098	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.150	.133	.118	.128	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.135	.113	.096	.115	.098	.083	.079	.068	.059	.046	.040	.034	.015	.013	.011	
4.0	.122	.098	.079	.105	.085	.069	.072	.059	.049	.042	.035	.029	.013	.011	.009	
5.0	.111	.085	.066	.096	.074	.058	.066	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.102	.075	.056	.088	.065	.049	.061	.046	.035	.035	.027	.021	.011	.009	.007	
7.0	.095	.067	.048	.081	.058	.042	.056	.041	.030	.033	.024	.018	.011	.008	.006	
8.0	.088	.060	.041	.076	.052	.036	.052	.037	.026	.031	.022	.015	.010	.007	.005	
9.0	.082	.055	.036	.071	.047	.031	.049	.033	.022	.029	.020	.013	.009	.006	.004	
10.0	.077	.050	.032	.067	.043	.028	.046	.030	.020	.027	.018	.012	.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

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:220.8V I:0.1308A P:27.54W PF:0.9536 Lamp Flux:1774.61x1 lm		
NAME: S150S1-25W-930-N	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	3.5	4.1	3.7	4.2	4.4	2.7	3.3	2.9	3.5	3.6
3H	3.3	3.9	3.6	4.1	4.3	2.6	3.1	2.8	3.3	3.5
4H	3.2	3.8	3.5	4.0	4.2	2.5	3.0	2.7	3.2	3.5
6H	3.2	3.7	3.4	3.9	4.2	2.4	2.9	2.7	3.2	3.4
8H	3.1	3.6	3.4	3.9	4.1	2.4	2.9	2.6	3.1	3.4
12H	3.1	3.6	3.4	3.8	4.1	2.3	2.8	2.6	3.1	3.3
4H 2H	3.3	3.8	3.5	4.0	4.2	2.5	3.1	2.8	3.3	3.5
3H	3.1	3.6	3.4	3.8	4.1	2.3	2.8	2.6	3.1	3.4
4H	3.0	3.5	3.3	3.7	4.0	2.2	2.7	2.6	3.0	3.3
6H	2.9	3.3	3.3	3.6	4.0	2.1	2.6	2.5	2.9	3.2
8H	2.8	3.2	3.2	3.6	3.9	2.1	2.5	2.5	2.8	3.2
12H	2.8	3.1	3.2	3.5	3.9	2.0	2.4	2.4	2.8	3.1
8H 4H	2.8	3.2	3.2	3.6	3.9	2.1	2.5	2.5	2.8	3.2
6H	2.7	3.0	3.2	3.4	3.8	2.0	2.3	2.4	2.7	3.1
8H	2.7	2.9	3.1	3.4	3.8	1.9	2.2	2.4	2.6	3.0
12H	2.6	2.8	3.1	3.3	3.8	1.9	2.1	2.3	2.5	3.0
12H 4H	2.8	3.1	3.2	3.5	3.9	2.0	2.4	2.4	2.7	3.1
6H	2.7	2.9	3.1	3.4	3.8	1.9	2.2	2.4	2.6	3.0
8H	2.6	2.8	3.1	3.3	3.8	1.9	2.1	2.3	2.5	3.0
Variations with the observer position at spacings:										
S = 1.0H	+ 2.8 / -12.8					+ 2.6 / -12.8				
1.5H	+ 2.9 / - 7.8					+ 3.0 / - 8.0				
2.0H	+ 6.0 / -15.0					+ 6.1 / -14.6				

CIE Pub.117 Corrected 1775 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.0)

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:

UTILIZATION FACTORS TABLE

Test:U:220.8V I:0.1308A P:27.54W PF:0.9536 Lamp Flux:1774.61x1 lm		
NAME: S150S1-25W-930-N	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	85	81	90	84	81	89	84	81	78
0.80	97	92	89	97	92	89	96	91	88	85
1.00	101	96	93	101	96	93	99	96	92	89
1.25	105	100	97	104	100	97	102	99	96	92
1.50	107	103	100	106	102	100	104	101	99	94
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	106	104	107	104	102	96
3.00	113	109	107	111	108	106	107	105	104	97
4.00	114	112	110	112	110	109	109	107	106	99
5.00	116	114	112	114	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:2017-06-17

$\gamma$  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:0.1308A P:27.54W PF:0.9536 Lamp Flux:1774.61x1 lm		
NAME: S150S1-25W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L162mm*W162mm*H188mm	
MFR.: NEKO LIGHTING AG		

Conical surface Flux(90deg):

1758.6 lm

%lum = 99.1%

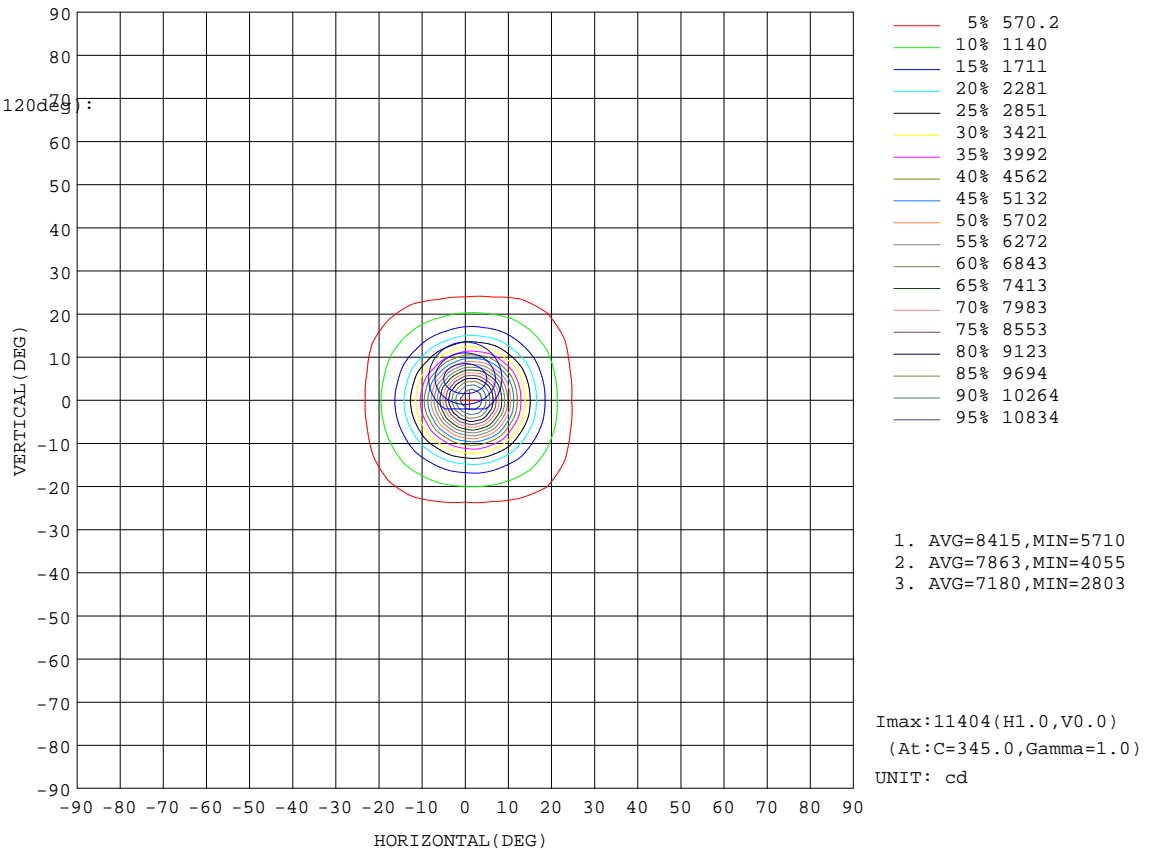
%lamp = 99.1%

Conical surface Flux(120deg):

1773.7 lm

%lum = 99.9%

%lamp = 99.9%



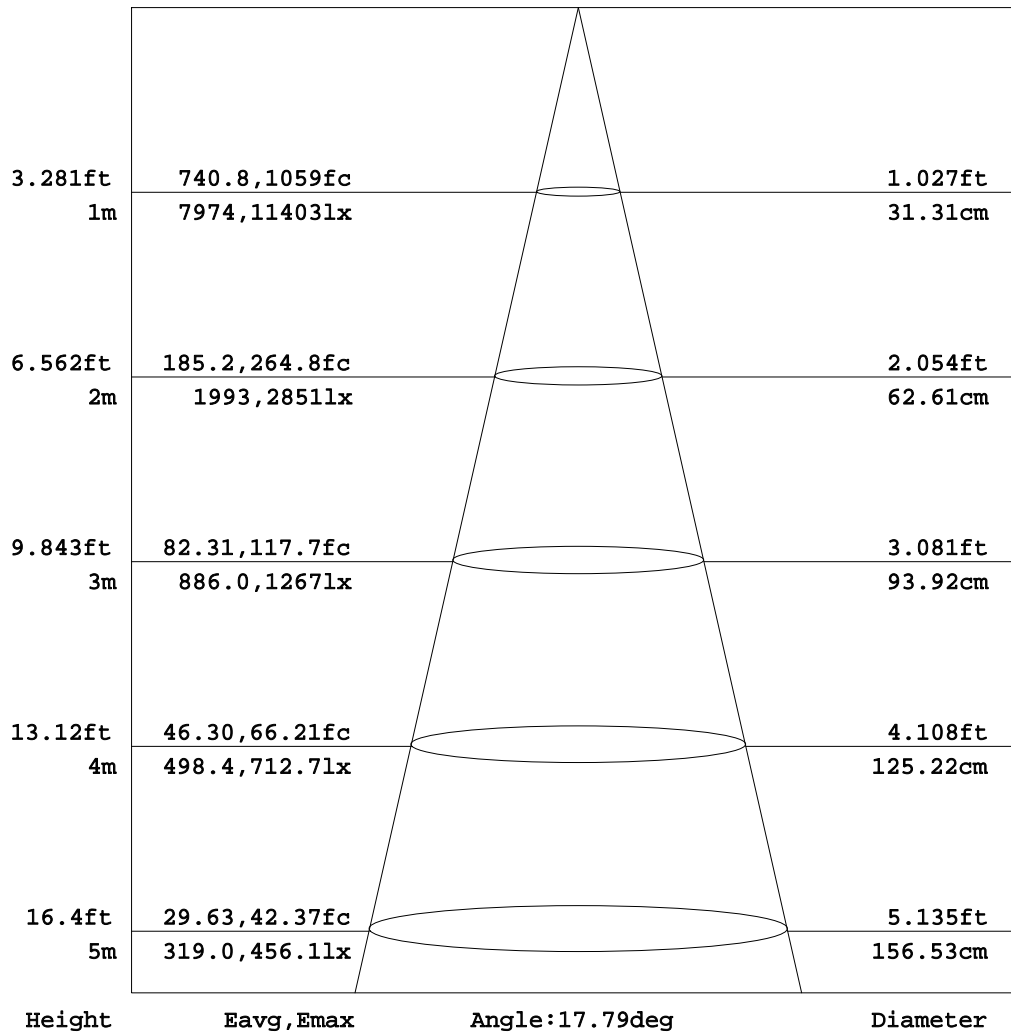
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-17

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:220.8V I:0.1308A P:27.54W PF:0.9536 Lamp Flux:1774.6lx1 lm		
NAME: S150S1-25W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L162mm*W162mm*H188mm	
MFR.: NEKO LIGHTING AG		

Flux out:628.4 lm



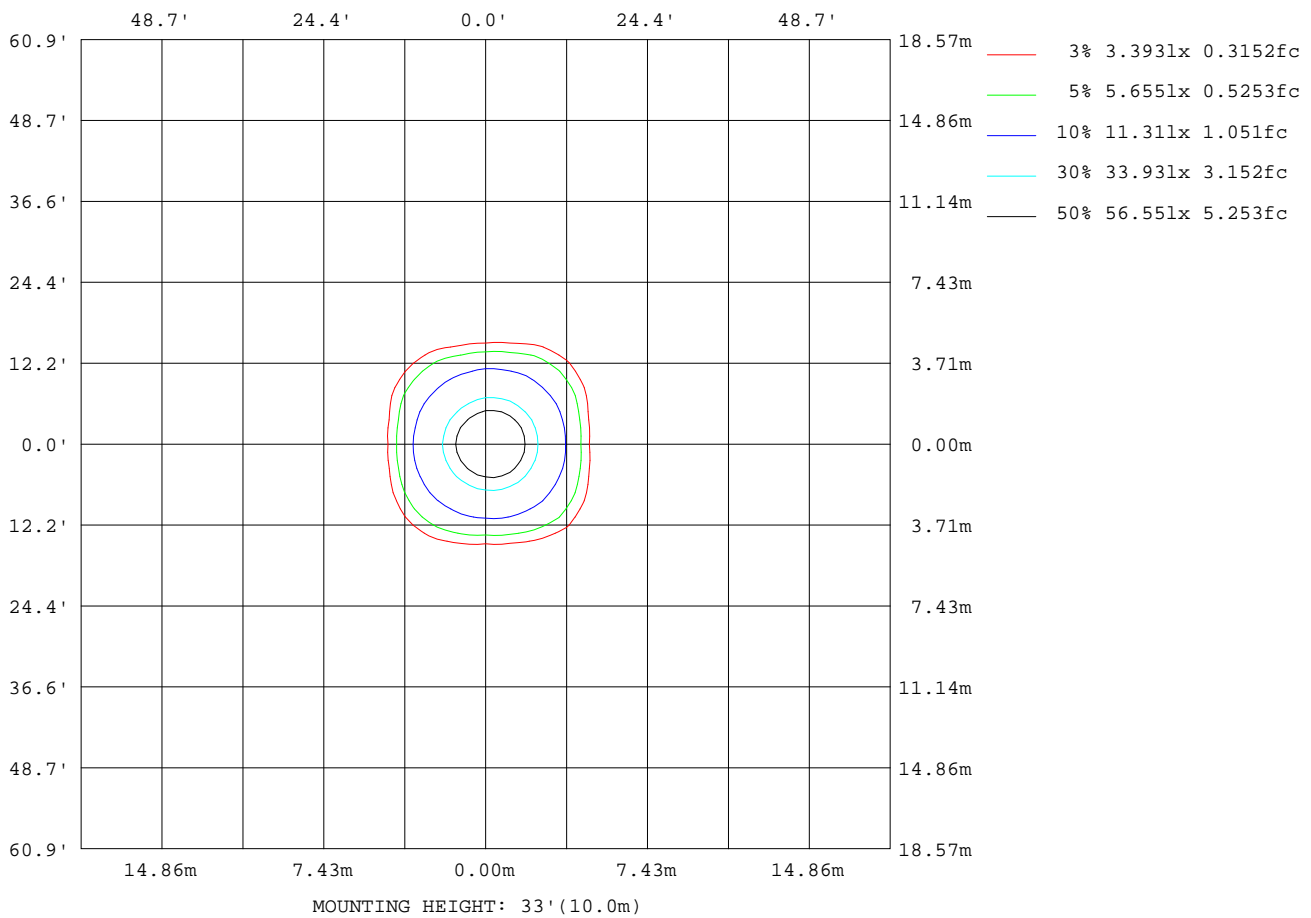
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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

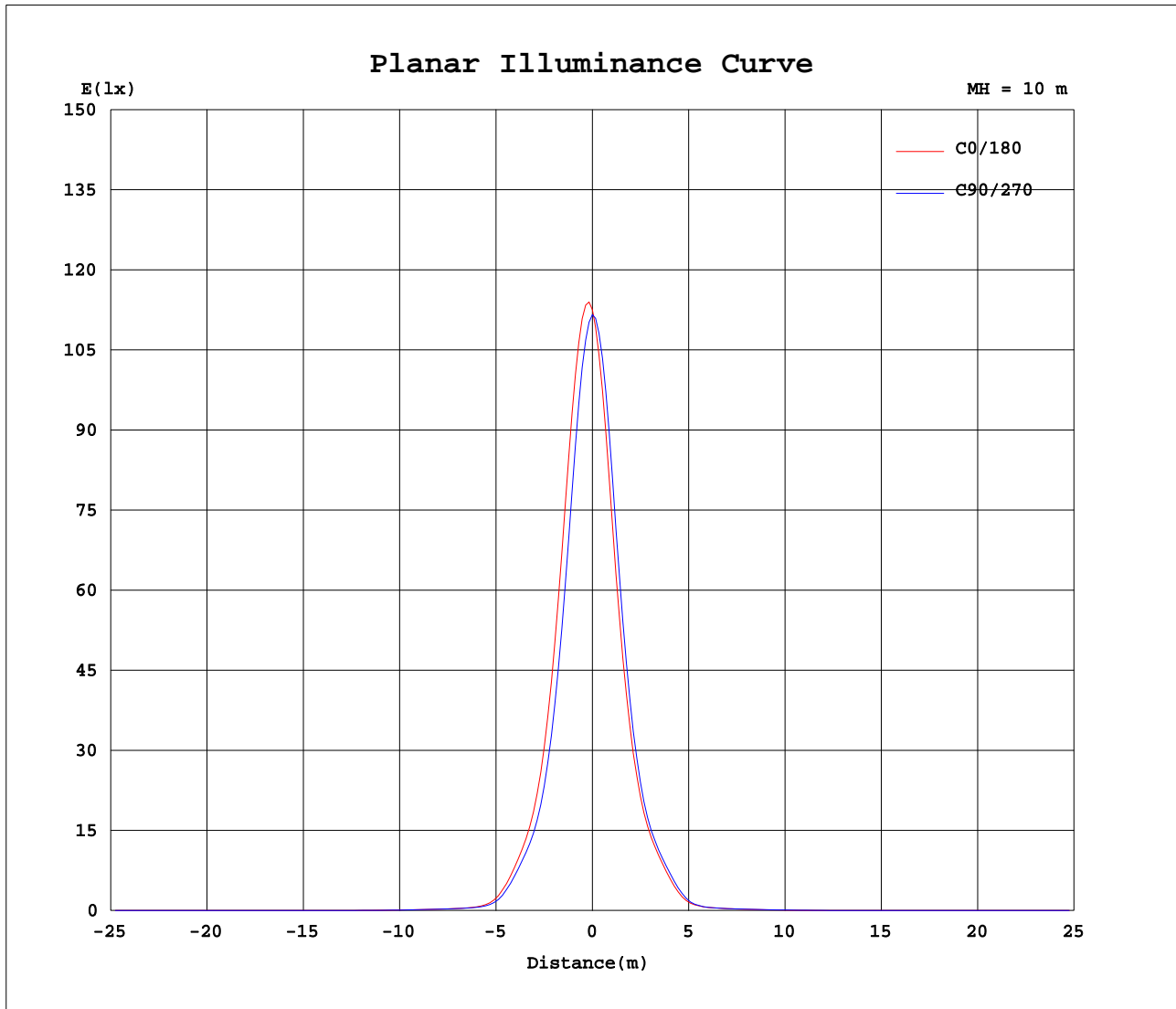
Test:U:220.8V I:0.1308A P:27.54W PF:0.9536 Lamp Flux:1774.61x1 lm		
NAME: S150S1-25W-930-N	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L162mm*W162mm*H188mm	
MFR.: NEKO LIGHTING AG		



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

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:

## 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	11254	11231	11259	11129	11149	11150	11162	11183	11180	11223
3.0	11131	11127	11001	10888	10653	10483	10214	10090	9874	9861
6.0	9471	9476	9230	9118	8699	8423	7984	7771	7456	7416
9.0	6945	6976	6686	6583	6146	5889	5476	5310	5037	5017
12.0	4584	4609	4391	4327	3990	3789	3507	3400	3234	3232
15.0	2871	2896	2771	2737	2508	2374	2199	2151	2076	2098
18.0	1834	1852	1791	1780	1639	1560	1462	1459	1422	1464
21.0	1199	1245	1256	1257	1166	1061	969.6	1012	1039	1059
24.0	662.2	764.1	901.9	924.1	795.1	602.7	519.5	600.3	718.0	734.0
27.0	283.1	366.5	548.6	608.8	431.3	262.4	213.5	269.6	401.9	437.6
30.0	133.1	159.9	265.3	329.6	194.1	130.3	111.5	132.7	190.0	230.0
33.0	88.16	94.53	127.0	163.3	102.1	82.93	80.29	84.64	105.1	133.7
36.0	69.53	72.73	82.07	98.49	72.52	64.61	65.44	68.02	75.73	85.70
39.0	56.26	58.91	64.28	71.99	56.51	52.51	53.64	55.97	60.72	64.97
42.0	45.13	47.56	52.49	56.32	45.07	40.50	41.64	43.94	47.51	49.69
45.0	32.81	35.31	39.39	42.50	33.65	29.65	29.50	31.59	33.46	35.40
48.0	20.67	23.66	27.31	29.36	23.07	19.01	18.00	19.64	22.43	23.31
51.0	9.749	13.58	17.40	19.07	14.51	9.992	6.981	9.237	13.66	14.65
54.0	4.944	5.494	8.652	11.51	6.400	4.640	3.990	4.393	5.566	8.340
57.0	2.484	2.898	3.971	5.373	3.456	2.480	2.081	2.291	2.992	3.462
60.0	1.019	1.319	2.013	2.363	1.800	1.073	0.8208	0.9662	1.435	1.741
63.0	0.4420	0.3976	0.8586	1.097	0.7032	0.5114	0.5775	0.5092	0.6014	0.7656
66.0	0.3698	0.3147	0.3441	0.4364	0.3721	0.4393	0.4770	0.4238	0.4071	0.3847
69.0	0.3324	0.2667	0.2670	0.2491	0.2889	0.3715	0.3961	0.3124	0.2871	0.3080
72.0	0.2285	0.2178	0.2253	0.2099	0.2386	0.2435	0.3164	0.1093	0.1862	0.1725
75.0	0.0918	0.0940	0.0925	0.1744	0.0985	0.0989	0.2741	0.1071	0.0962	0.1005
78.0	0.0918	0.1008	0.0875	0.0918	0.0875	0.1003	0.2318	0.1077	0.0962	0.0897
81.0	0.0918	0.1015	0.0875	0.0984	0.0853	0.1018	0.1895	0.1082	0.0984	0.0962
84.0	0.0983	0.1021	0.0875	0.1027	0.0853	0.1023	0.1472	0.1088	0.1023	0.1023
87.0	0.0984	0.1028	0.0962	0.1006	0.0939	0.1028	0.1050	0.1093	0.1050	0.1050
90.0	0.1006	0.1006	0.0984	0.1006	0.1006	0.1028	0.1050	0.1093	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	11207	11247	11254	11231	11259	11129	11149	11150	11162	11183
3.0	9711	9745	9777	9729	9869	9730	9949	10101	10387	10564
6.0	7227	7272	7310	7224	7393	7272	7571	7769	8203	8466
9.0	4858	4898	4906	4838	4961	4862	5094	5246	5624	5863
12.0	3133	3153	3150	3105	3181	3113	3251	3338	3593	3766
15.0	2033	2038	2035	2002	2058	2026	2093	2118	2265	2370
18.0	1405	1402	1394	1372	1434	1417	1450	1438	1529	1576
21.0	1007	938.7	900.9	933.6	1030	1042	1048	1000	1025	1094
24.0	657.7	513.0	461.4	523.0	696.1	728.6	719.7	585.0	559.8	657.4
27.0	345.1	224.2	197.3	226.5	375.4	429.6	390.6	250.2	227.9	291.2
30.0	164.3	114.8	107.4	116.0	174.6	213.8	175.0	115.4	110.5	128.3
33.0	93.92	79.94	79.16	81.25	97.12	117.2	94.92	79.27	79.82	84.32
36.0	68.79	61.58	63.23	64.10	70.63	82.68	70.03	62.29	64.21	67.28
39.0	53.64	48.40	50.94	52.00	56.56	63.70	56.01	50.29	53.17	55.98
42.0	39.57	36.25	38.05	39.58	44.02	50.00	44.40	39.88	43.23	45.80
45.0	27.76	25.34	25.90	27.60	32.01	36.91	32.41	28.94	31.75	34.86
48.0	18.40	15.84	16.10	17.35	21.74	25.13	22.04	18.57	20.19	22.99
51.0	10.79	7.092	6.817	7.662	13.51	16.07	13.55	9.171	7.809	12.54
54.0	5.094	4.288	3.964	4.313	6.031	9.443	6.088	4.895	4.821	5.523
57.0	2.787	2.253	2.029	2.388	3.319	3.964	3.566	2.797	2.671	3.169
60.0	1.353	1.080	0.9469	1.179	1.745	2.144	1.996	1.249	1.151	1.462
63.0	0.5925	0.7694	0.7431	0.8026	0.8462	1.083	0.8634	0.7458	0.7168	0.7703
66.0	0.5076	0.6468	0.6380	0.6891	0.5899	0.5893	0.5592	0.6562	0.6271	0.6519
69.0	0.3591	0.4802	0.4537	0.5057	0.4365	0.4573	0.4279	0.5012	0.4823	0.5011
72.0	0.1824	0.0809	0.0547	0.0786	0.2175	0.2827	0.2284	0.2111	0.0892	0.2567
75.0	0.0831	0.0853	0.0590	0.0547	0.0503	0.1077	0.0503	0.0569	0.0569	0.0612
78.0	0.0831	0.0897	0.0612	0.0547	0.0525	0.0503	0.0503	0.0612	0.0656	0.0590
81.0	0.0831	0.0984	0.0612	0.0547	0.0525	0.0503	0.0503	0.0656	0.0656	0.0590
84.0	0.0831	0.0995	0.0612	0.0547	0.0547	0.0503	0.0503	0.0656	0.0656	0.0590
87.0	0.0831	0.1006	0.0612	0.0547	0.0547	0.0503	0.0503	0.0678	0.0656	0.0590
90.0	0.0984	0.1006	0.0612	0.0547	0.0547	0.0503	0.0503	0.0678	0.0656	0.0590

G/C	300.0	315.0	330.0	345.0
0.0	11180	11223	11207	11247
3.0	10818	10937	11106	11152
6.0	8911	9103	9427	9496
9.0	6312	6516	6887	6950
12.0	4112	4273	4551	4599
15.0	2596	2706	2888	2886
18.0	1710	1779	1857	1845
21.0	1217	1262	1286	1232

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	873.3	925.0	913.8	736.8
27.0	524.1	617.3	549.7	341.6
30.0	239.6	341.6	260.6	151.9
33.0	113.6	173.7	129.4	91.02
36.0	76.37	99.34	77.81	68.55
39.0	62.54	70.16	59.83	53.59
42.0	51.05	56.04	47.34	41.81
45.0	39.45	42.99	34.96	30.65
48.0	27.78	30.10	24.44	20.12
51.0	17.84	19.54	15.78	11.36
54.0	8.641	11.73	7.412	5.407
57.0	4.129	5.471	3.945	2.853
60.0	2.142	2.486	1.976	1.269
63.0	0.9874	1.186	0.8386	0.4714
66.0	0.5201	0.5239	0.3473	0.3894
69.0	0.4237	0.3196	0.2599	0.3215
72.0	0.2658	0.2451	0.2009	0.2606
75.0	0.0525	0.1708	0.0656	0.0722
78.0	0.0503	0.0569	0.0722	0.0722
81.0	0.0525	0.0568	0.0766	0.0722
84.0	0.0569	0.0590	0.0809	0.0722
87.0	0.0590	0.0634	0.0809	0.0787
90.0	0.0590	0.0743	0.0809	0.0809

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: