

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



Light Output Ratio:	100.0%	
Luminaire Power:	27.6 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.80	fine grid method.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-06-20

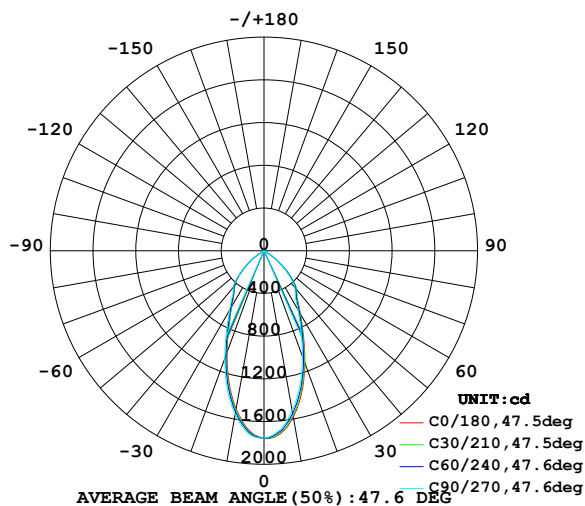
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

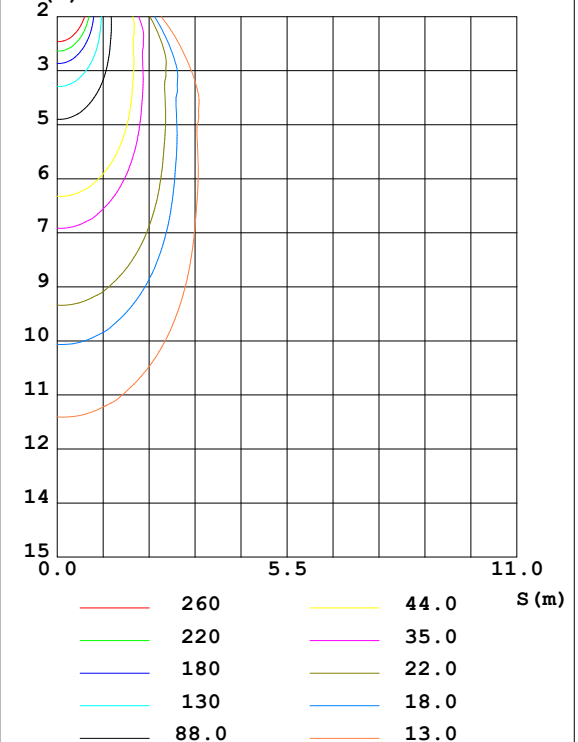
Test:U:220.8V I:0.1311A P:27.60W PF:0.9539 Lamp Flux:1601.89x1 lm		
NAME: S150R2-25W-930-W	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: ϕ 162mm*H188mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 58.03 lm/W			
MODEL	CITIZEN-3000K	I _{max} (cd)	1760	S/MH (C0/180)	0.70
NOMINAL POWER (W)	28	LOR (%)	100.0	S/MH (C90/270)	0.74
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1601.9	η UP, DN (C0-180)	0.0, 49.7
NOMINAL FLUX (lm)	1601.89	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.3
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	0.80

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



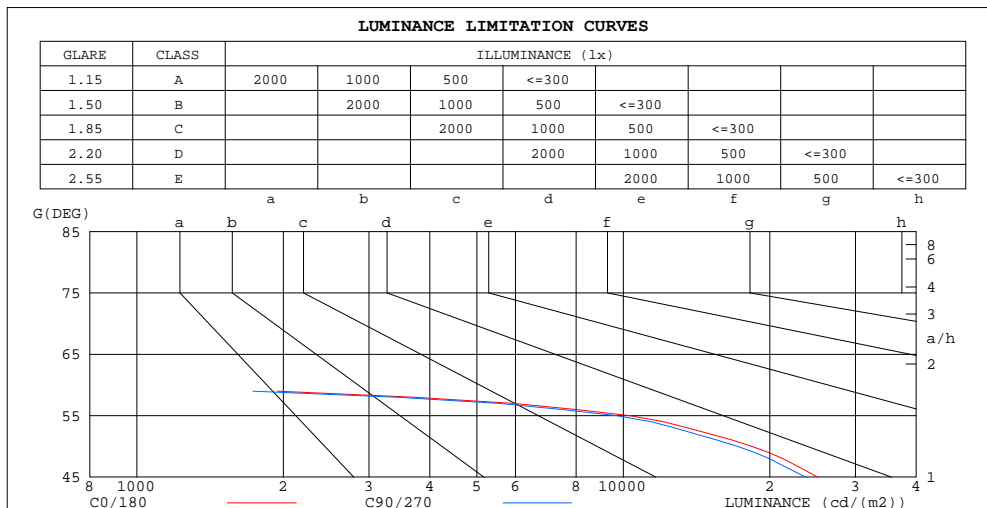
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2017-06-20

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1580	1561	1522	1483	1504	1520	1556	1588	0- 10	156.9	156.9	9.79,9.79
20	1119	1100	1053	994.0	1012	1026	1075	1134	10- 20	364.6	521.5	32.6,32.6
30	683.6	671.7	638.3	597.2	608.3	616.3	647.9	694.7	20- 30	380.6	902.1	56.3,56.3
40	473.9	468.9	452.2	430.9	431.5	436.3	452.7	470.0	30- 40	329.0	1231	76.9,76.9
50	243.4	243.5	227.4	219.0	220.7	213.1	226.3	244.2	40- 50	266.4	1498	93.5,93.5
60	7.061	8.583	6.856	6.654	6.236	5.217	5.940	6.981	50- 60	99.25	1597	99.7,99.7
70	1.527	1.573	1.362	1.604	1.402	1.462	1.223	1.513	60- 70	2.775	1600	99.9,99.9
80	1.019	1.098	0.8288	1.146	0.9227	1.095	0.8091	1.056	70- 80	1.199	1601	99.9,99.9
90	1.367	1.039	0.8374	1.080	0.9467	1.087	0.8462	1.119	80- 90	1.098	1602	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		



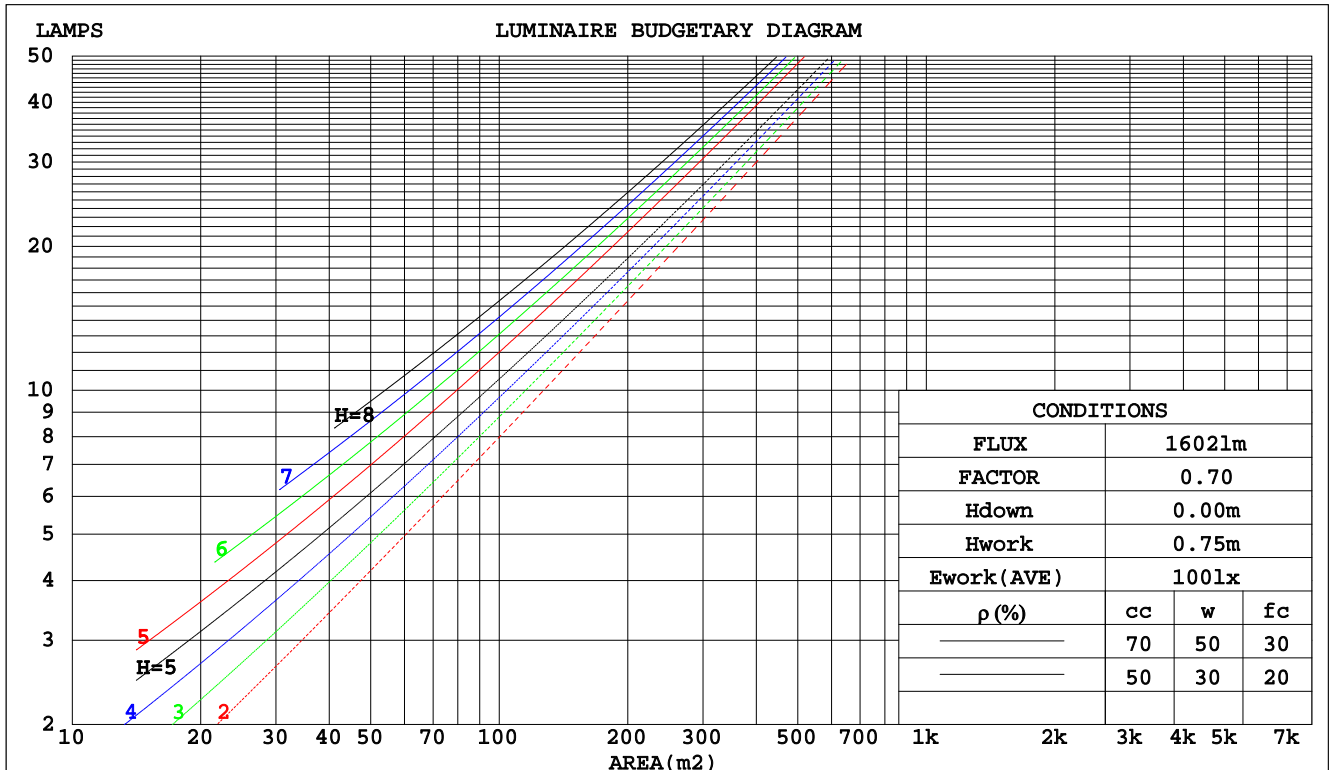
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-06-20

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.8V I:0.1311A P:27.60W PF:0.9539 Lamp Flux:1601.89x1 lm		
NAME: S150R2-25W-930-W	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: ϕ 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	1.00														
1.0	1.10	1.07	1.05	1.08	1.05	1.03	1.04	1.02	.00	.00	.98	.97	.96	.95	.94	.92														
2.0	1.01	.97	.93	.99	.95	.92	.96	.93	.90	.93	.90	.88	.90	.88	.86	.84														
3.0	.93	.87	.83	.92	.86	.82	.89	.85	.81	.86	.83	.80	.84	.81	.78	.77														
4.0	.86	.80	.75	.85	.79	.74	.82	.77	.74	.80	.76	.73	.78	.75	.72	.70														
5.0	.79	.73	.68	.78	.72	.68	.77	.71	.67	.75	.70	.67	.73	.69	.66	.64														
6.0	.74	.67	.62	.73	.67	.62	.71	.66	.62	.70	.65	.61	.68	.64	.61	.59														
7.0	.69	.62	.57	.68	.62	.57	.67	.61	.57	.65	.60	.57	.64	.60	.56	.55														
8.0	.64	.58	.53	.64	.57	.53	.62	.57	.53	.61	.56	.52	.60	.56	.52	.51														
9.0	.60	.54	.49	.60	.53	.49	.59	.53	.49	.58	.52	.49	.57	.52	.49	.47														
10.0	.57	.50	.46	.56	.50	.46	.55	.50	.46	.54	.49	.46	.54	.49	.45	.44														



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-06-20

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:0.1311A P:27.60W PF:0.9539 Lamp Flux:1601.89x1 lm		
NAME: S150R2-25W-930-W	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: ϕ 162mm*H188mm	
MFR.: NEKO LIGHTING AG		

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.196	.111	.035	.189	.108	.034	.176	.101	.032	.164	.095	.030	.154	.089	.029		
2.0	.190	.104	.032	.184	.102	.031	.174	.097	.030	.164	.092	.029	.154	.087	.028		
3.0	.182	.097	.029	.177	.095	.029	.168	.091	.028	.160	.087	.027	.152	.084	.026		
4.0	.174	.090	.027	.170	.089	.026	.162	.086	.026	.154	.083	.025	.147	.080	.024		
5.0	.166	.085	.024	.162	.083	.024	.155	.081	.024	.148	.078	.023	.142	.076	.023		
6.0	.158	.079	.023	.155	.078	.022	.148	.076	.022	.143	.074	.022	.137	.072	.021		
7.0	.150	.074	.021	.148	.073	.021	.142	.072	.021	.137	.070	.020	.132	.068	.020		
8.0	.143	.070	.020	.141	.069	.020	.136	.068	.019	.131	.066	.019	.127	.065	.019		
9.0	.137	.066	.018	.134	.066	.018	.130	.064	.018	.126	.063	.018	.122	.062	.018		
10.0	.131	.063	.017	.128	.062	.017	.124	.061	.017	.121	.060	.017	.117	.059	.017		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	.172	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.050	.019	.017	.016	
2.0	.159	.132	.110	.136	.114	.095	.093	.079	.067	.054	.046	.039	.017	.015	.013	
3.0	.148	.114	.087	.127	.098	.075	.087	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.138	.099	.069	.119	.086	.060	.082	.060	.043	.047	.035	.025	.015	.011	.008	
5.0	.130	.088	.057	.112	.076	.049	.077	.053	.035	.045	.031	.021	.014	.010	.007	
6.0	.123	.079	.047	.106	.068	.041	.073	.048	.029	.042	.028	.017	.014	.009	.006	
7.0	.117	.072	.040	.101	.062	.035	.070	.044	.025	.040	.026	.015	.013	.008	.005	
8.0	.112	.066	.034	.096	.057	.030	.066	.040	.021	.039	.024	.013	.013	.008	.004	
9.0	.106	.061	.030	.092	.053	.026	.063	.037	.018	.037	.022	.011	.012	.007	.004	
10.0	.102	.056	.026	.088	.049	.023	.061	.034	.016	.035	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-06-20

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:0.1311A P:27.60W PF:0.9539 Lamp Flux:1601.89x1 lm										
NAME: S150R2-25W-930-W					TYPE:Downlight			SERIAL No.:		
SPEC.:3000K					DIM.: ϕ 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	20.1	21.2	20.4	21.4	21.6	19.9	21.0	20.1	21.1	21.3
3H	19.9	20.9	20.2	21.1	21.3	19.7	20.7	20.0	20.9	21.1
4H	19.8	20.8	20.1	21.0	21.2	19.6	20.5	19.9	20.8	21.0
6H	19.8	20.6	20.1	20.9	21.1	19.5	20.4	19.8	20.6	20.9
8H	19.7	20.5	20.0	20.8	21.1	19.5	20.3	19.8	20.6	20.8
12H	19.7	20.5	20.0	20.7	21.0	19.4	20.2	19.8	20.5	20.8
4H 2H	19.9	20.8	20.2	21.1	21.3	19.7	20.6	20.0	20.8	21.1
3H	19.7	20.5	20.0	20.8	21.1	19.5	20.3	19.8	20.6	20.9
4H	19.6	20.4	20.0	20.7	21.0	19.4	20.1	19.8	20.4	20.7
6H	19.5	20.2	19.9	20.5	20.9	19.3	19.9	19.7	20.3	20.6
8H	19.5	20.1	19.9	20.4	20.8	19.3	19.8	19.7	20.2	20.6
12H	19.4	20.0	19.9	20.4	20.7	19.2	19.7	19.6	20.1	20.5
8H 4H	19.5	20.1	19.9	20.4	20.8	19.3	19.8	19.7	20.2	20.6
6H	19.4	19.9	19.8	20.3	20.7	19.2	19.6	19.6	20.0	20.5
8H	19.3	19.8	19.8	20.2	20.6	19.1	19.5	19.6	20.0	20.4
12H	19.3	19.7	19.8	20.1	20.6	19.1	19.4	19.5	19.9	20.3
12H 4H	19.4	20.0	19.9	20.3	20.7	19.2	19.7	19.6	20.1	20.5
6H	19.3	19.8	19.8	20.2	20.6	19.1	19.5	19.6	20.0	20.4
8H	19.3	19.7	19.8	20.1	20.6	19.1	19.4	19.5	19.9	20.3
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / - 6.9					+ 2.6 / - 6.9				
1.5H	+ 1.1 / - 3.4					+ 1.1 / - 3.3				
2.0H	+ 4.7 / -20.4					+ 4.6 / -20.0				

CIE Pub.117 Corrected 1602 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.6)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-06-20

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:0.1311A P:27.60W PF:0.9539 Lamp Flux:1601.89x1 lm		
NAME: S150R2-25W-930-W	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: ϕ 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) $k(RI) \times RCR = 5$									
$k = 0.60$	76	68	63	76	68	63	75	68	63	58
0.80	86	78	73	85	78	73	84	77	73	68
1.00	93	86	81	92	85	81	90	85	80	75
1.25	98	92	87	97	91	87	95	90	86	81
1.50	102	96	92	100	95	91	98	93	90	85
2.00	106	101	97	104	100	96	101	98	95	89
2.50	108	103	100	106	102	99	103	99	97	90
3.00	110	106	102	108	104	101	104	101	99	92
4.00	112	109	106	110	107	104	106	104	102	94
5.00	113	110	108	111	109	106	107	105	103	95
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:2017-06-20

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 γ 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:27.60W PF:0.9539 Lamp Flux:1601.89x1 lm		
NAME: S150R2-25W-930-W	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: ϕ 162mm*H188mm	
MFR.: NEKO LIGHTING AG		

Conical surface Flux(90deg):

1381 lm

%lum = 86.2%

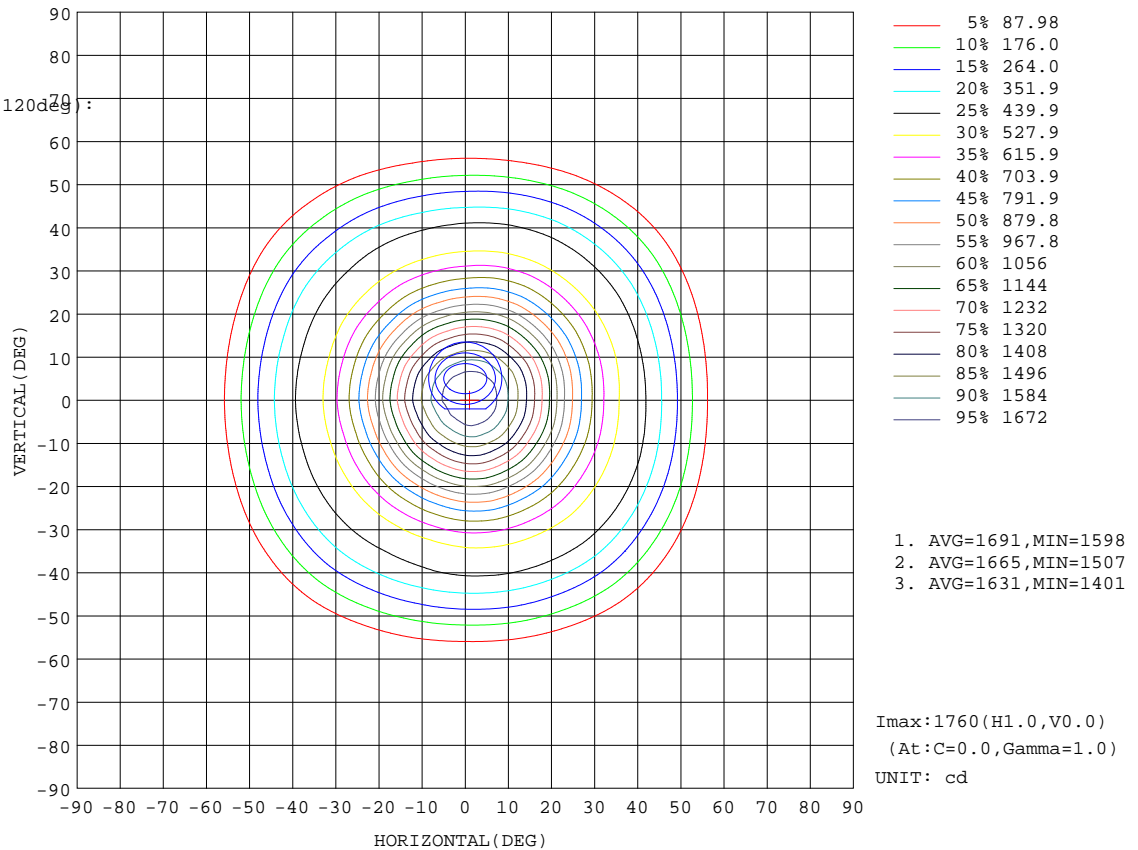
%lamp = 86.2%

Conical surface Flux(120deg):

1596.8 lm

%lum = 99.7%

%lamp = 99.7%



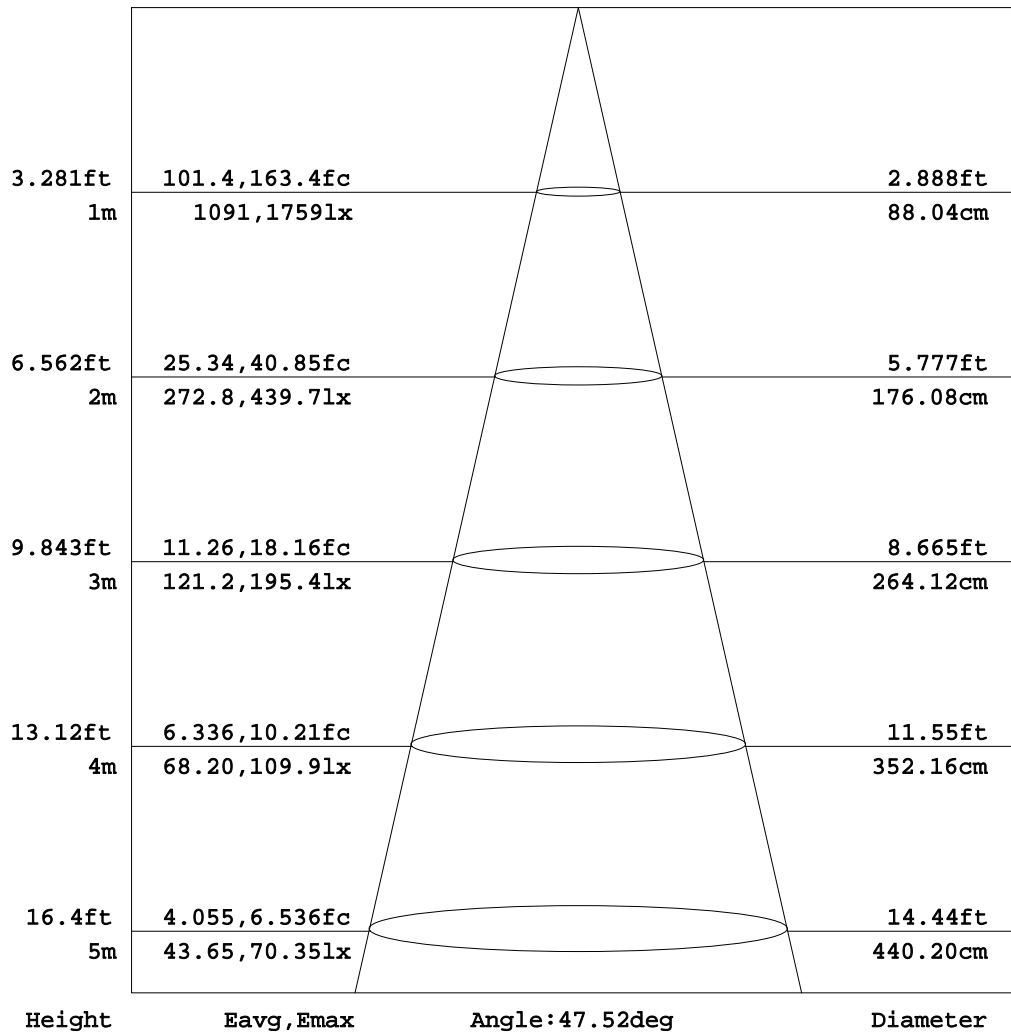
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-06-20

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:0.1311A P:27.60W PF:0.9539 Lamp Flux:1601.89x1 lm		
NAME: S150R2-25W-930-W	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: ϕ 162mm*H188mm	
MFR.: NEKO LIGHTING AG		

Flux out:679.5 lm



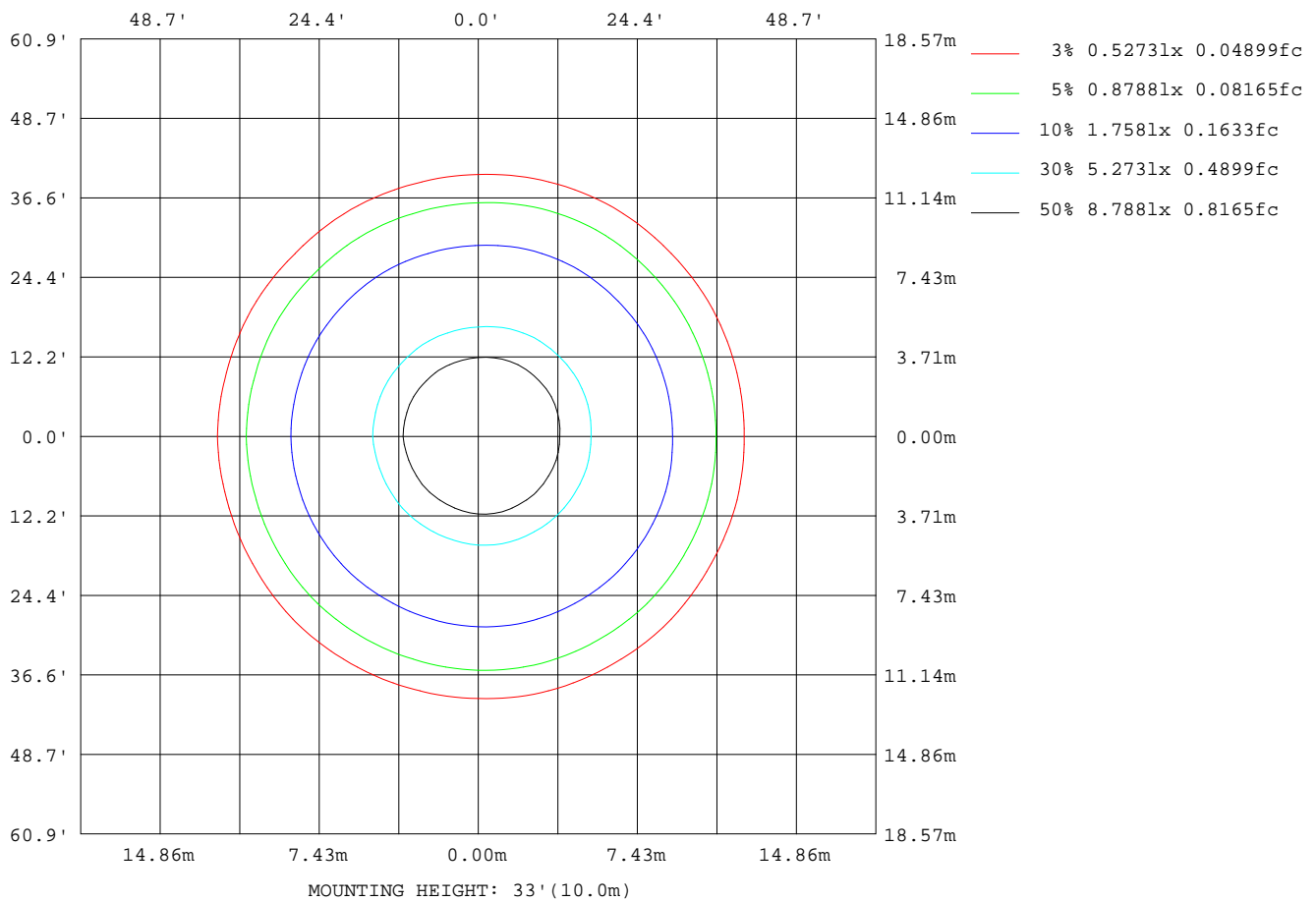
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-06-20

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

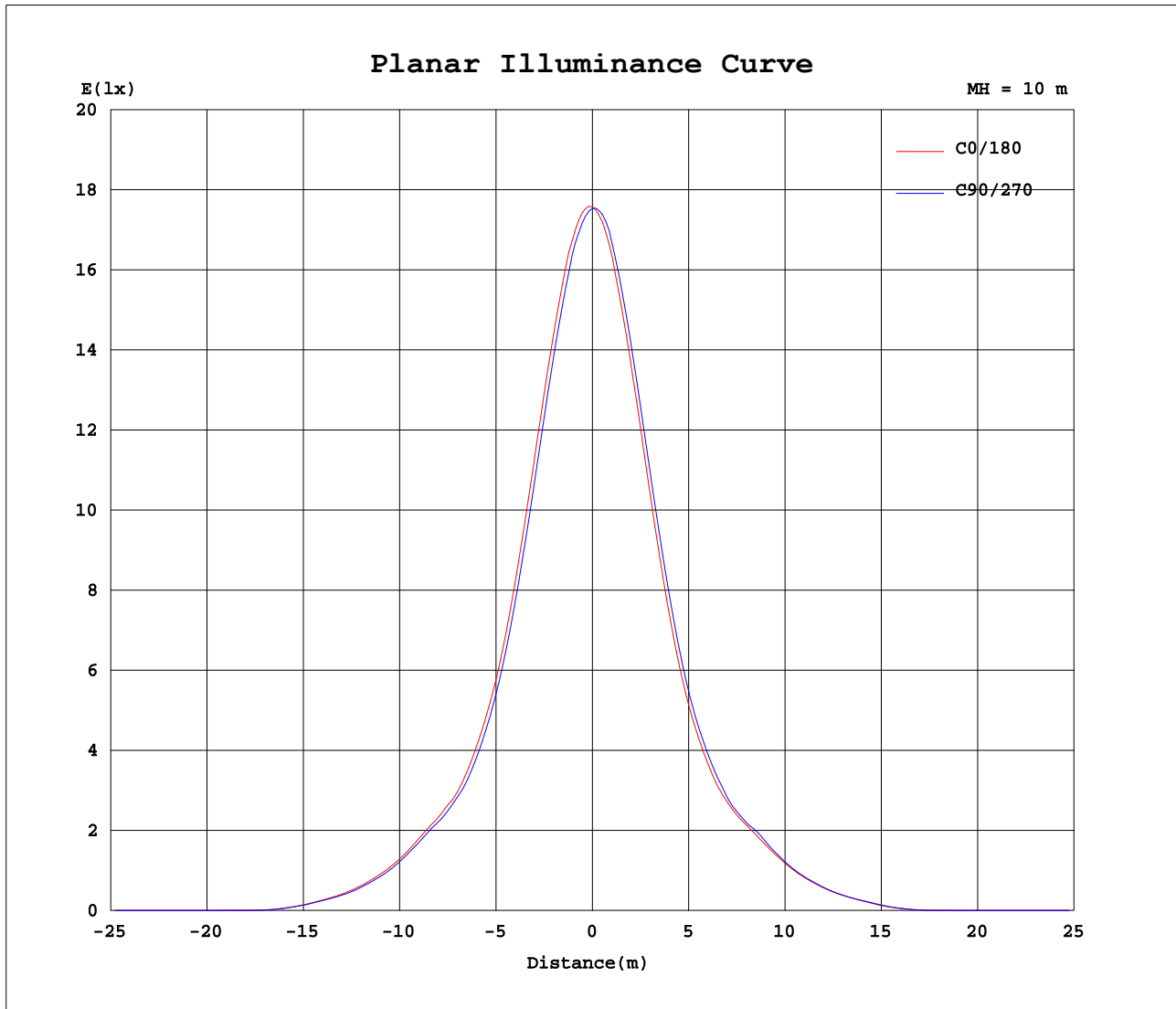
Test:U:220.8V I:0.1311A P:27.60W PF:0.9539 Lamp Flux:1601.89x1 lm		
NAME: S150R2-25W-930-W	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: ϕ 162mm*H188mm	
MFR.: NEKO LIGHTING AG		



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-06-20

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: 2017-06-20

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:

```

```

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	1758	1757	1757	1755	1755	1754	1754	1750	1749	1750
3.0	1750	1748	1744	1740	1734	1730	1724	1714	1708	1709
6.0	1700	1698	1691	1690	1682	1676	1663	1647	1635	1637
9.0	1615	1613	1601	1597	1582	1576	1560	1540	1525	1523
12.0	1503	1501	1487	1484	1467	1461	1441	1416	1399	1396
15.0	1370	1369	1354	1350	1332	1325	1303	1276	1254	1250
18.0	1222	1221	1206	1202	1184	1177	1154	1125	1102	1096
21.0	1068	1069	1054	1050	1033	1026	1004	973.1	951.4	944.7
24.0	919.5	920.4	907.6	904.1	889.1	882.9	861.9	831.8	812.4	805.1
27.0	789.0	790.1	779.3	775.7	763.2	757.2	739.3	712.8	697.5	690.0
30.0	683.6	683.8	675.1	671.7	659.2	652.0	638.3	615.8	603.7	597.2
33.0	590.2	591.5	585.0	581.8	571.8	563.8	552.1	533.8	524.4	519.4
36.0	522.2	523.3	522.6	521.3	514.6	506.7	500.0	483.7	477.6	476.1
39.0	484.4	488.1	483.8	480.5	474.9	466.7	461.7	446.4	440.7	440.6
42.0	437.3	445.7	442.6	439.1	429.3	422.7	414.3	402.6	396.6	395.9
45.0	365.3	371.0	371.2	369.8	360.1	354.1	345.4	337.0	332.8	335.2
48.0	293.2	294.4	291.7	291.7	285.7	282.3	274.9	266.8	264.4	266.2
51.0	217.4	219.9	215.3	217.4	211.5	209.9	202.2	197.7	195.4	195.9
54.0	146.5	149.2	145.3	146.9	143.0	142.1	138.3	135.3	134.7	133.6
57.0	66.47	67.59	68.18	67.82	67.20	65.36	62.05	59.27	57.27	56.44
60.0	7.061	8.283	7.872	8.583	7.850	8.163	6.856	6.845	6.413	6.654
63.0	3.216	3.262	3.130	3.251	3.283	3.224	3.194	3.460	3.570	3.755
66.0	2.198	2.130	2.054	2.154	2.261	2.056	2.052	2.173	2.227	2.379
69.0	1.620	1.521	1.508	1.644	1.805	1.477	1.534	1.529	1.645	1.748
72.0	1.248	1.151	1.171	1.368	1.551	1.117	1.107	1.141	1.162	1.372
75.0	1.135	1.085	1.102	1.350	1.493	0.9744	0.9429	0.9398	0.9486	1.215
78.0	1.010	0.9008	0.9534	1.128	1.293	0.8396	0.8485	0.8592	0.8660	1.154
81.0	1.030	0.9141	0.9402	1.087	1.207	0.8397	0.8287	0.8356	0.8607	1.139
84.0	1.123	0.9710	0.9663	1.049	1.135	0.8483	0.8330	0.8239	0.8528	1.130
87.0	1.281	1.054	0.9795	1.032	1.072	0.8528	0.8287	0.8331	0.8483	1.111
90.0	1.367	1.189	1.001	1.039	1.047	0.8637	0.8374	0.8615	0.8593	1.080
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1749	1750	1758	1757	1755	1755	1754	1754	1750	1750
3.0	1706	1710	1726	1727	1731	1732	1737	1739	1745	1747
6.0	1630	1639	1654	1653	1662	1663	1673	1676	1688	1696
9.0	1515	1523	1544	1545	1557	1559	1573	1577	1593	1606
12.0	1385	1394	1417	1418	1431	1433	1448	1453	1473	1491
15.0	1238	1245	1271	1271	1286	1287	1304	1309	1332	1354
18.0	1083	1089	1116	1115	1130	1131	1149	1155	1179	1206
21.0	931.6	936.1	960.9	960.5	973.7	974.5	992.4	999.8	1023	1053
24.0	794.0	797.1	819.9	818.3	829.1	829.9	847.6	853.9	875.6	907.5
27.0	681.2	682.9	701.6	700.7	709.0	709.7	724.4	730.6	747.3	778.1
30.0	591.7	593.3	608.3	607.4	614.7	616.3	628.7	635.2	647.9	673.9
33.0	516.5	517.7	527.2	526.4	533.5	535.4	544.4	551.5	563.9	584.9
36.0	475.1	475.5	477.3	474.9	478.4	478.6	482.6	485.9	493.1	508.7
39.0	440.2	440.3	444.9	443.5	445.2	445.2	449.9	452.8	457.2	472.6
42.0	393.0	392.4	398.2	396.4	401.8	402.0	407.6	408.8	416.6	431.9
45.0	330.4	330.6	335.6	331.6	336.4	333.3	338.3	336.8	343.7	359.2
48.0	260.8	259.8	266.1	263.1	264.9	260.9	265.6	267.3	273.0	285.8
51.0	190.6	191.0	196.7	192.7	193.4	189.8	194.1	195.3	201.2	210.3
54.0	131.5	129.3	134.3	133.8	133.1	132.6	134.0	135.1	138.1	143.3
57.0	53.85	53.96	56.42	55.90	56.12	57.00	57.70	59.61	61.42	66.30
60.0	6.227	5.786	6.236	5.594	5.847	5.217	5.292	4.872	5.940	6.447
63.0	3.502	3.291	3.224	3.086	3.167	3.116	3.051	2.908	2.890	2.864
66.0	2.378	2.204	2.219	2.099	2.231	2.141	2.033	1.972	1.968	1.985
69.0	1.816	1.514	1.637	1.593	1.878	1.628	1.539	1.414	1.490	1.503
72.0	1.512	1.119	1.177	1.164	1.618	1.317	1.089	1.035	1.038	1.026
75.0	1.440	0.9487	0.9858	0.9628	1.474	1.159	0.8984	0.8695	0.8633	0.8659
78.0	1.443	0.9029	0.9357	0.9183	1.436	1.113	0.8418	0.8244	0.8112	0.8024
81.0	1.376	0.9017	0.9270	0.9248	1.338	1.098	0.8615	0.8133	0.8199	0.8133
84.0	1.269	0.9008	0.9227	0.9207	1.222	1.094	0.8614	0.8330	0.8197	0.8351
87.0	1.174	0.9074	0.9425	0.9336	1.139	1.078	0.8593	0.8417	0.8047	0.8176
90.0	1.106	0.9227	0.9467	0.9511	1.104	1.087	0.8768	0.8702	0.8462	0.8680
G/C	300.0	315.0	330.0	345.0						
0.0	1749	1750	1749	1750						
3.0	1751	1752	1753	1751						
6.0	1707	1710	1710	1707						
9.0	1620	1622	1630	1624						
12.0	1509	1513	1523	1517						
15.0	1377	1382	1395	1387						
18.0	1230	1236	1249	1241						
21.0	1077	1083	1096	1088						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2017-06-20

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	929.7	934.5	945.9	938.4
27.0	798.3	802.0	810.5	804.7
30.0	691.4	694.7	700.8	696.7
33.0	594.2	596.4	601.4	599.1
36.0	516.6	520.8	529.0	531.0
39.0	476.4	477.2	479.3	480.7
42.0	440.1	439.9	442.0	439.2
45.0	367.7	369.4	372.4	367.9
48.0	293.3	293.7	295.1	294.1
51.0	217.3	217.5	220.8	219.6
54.0	147.9	148.0	151.8	149.4
57.0	68.23	67.43	71.89	69.74
60.0	7.532	6.981	8.037	7.737
63.0	3.026	3.028	3.089	3.024
66.0	2.250	2.167	2.125	2.075
69.0	1.893	1.734	1.642	1.599
72.0	1.517	1.310	1.182	1.151
75.0	1.394	1.149	1.125	1.095
78.0	1.257	1.078	1.010	0.9686
81.0	1.167	1.050	1.061	1.003
84.0	1.106	1.056	1.234	1.182
87.0	1.074	1.216	1.349	1.296
90.0	1.069	1.119	1.314	1.242

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-06-20

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: