

LED Downlight SENSE Series S100R1-13W-940-W



Light Output Ratio:	100.0%	
Luminaire Power:	14.31 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: 2017-05-17

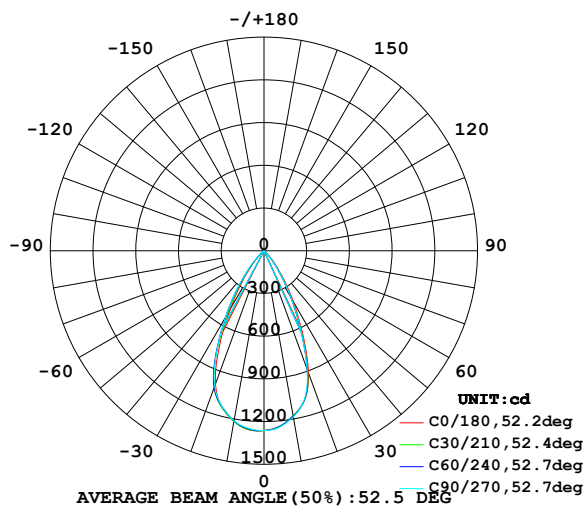
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

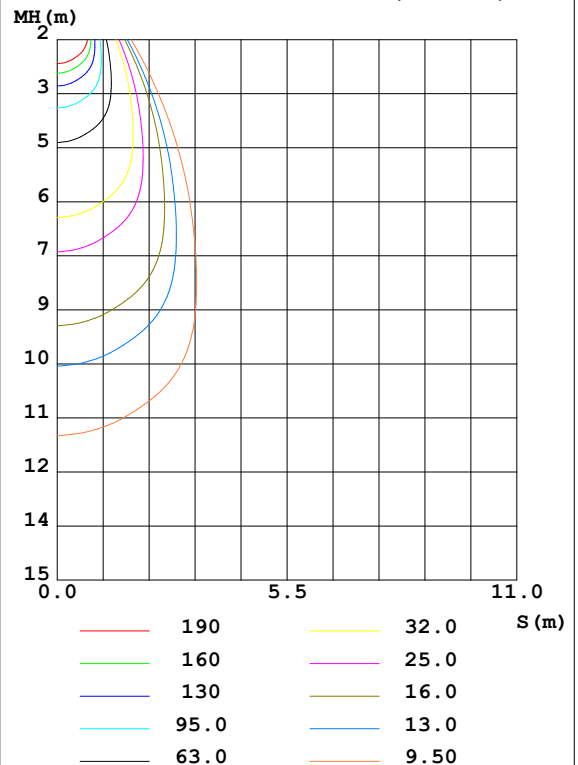
Test:U:220.7V I:0.0709A P:14.31W PF:0.9152 Lamp Flux:950.378x1 lm		
NAME: S100R1-13W-940-W	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: ϕ 108mm*H126mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 66.39 lm/W			
MODEL	CITIZEN-4000K	I _{max} (cd)	1267	S/MH (C0/180)	0.81
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	0.85
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	950.38	η UP, DN (C0-180)	0.0, 46.3
NOMINAL FLUX (lm)	950.378	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 53.7
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)



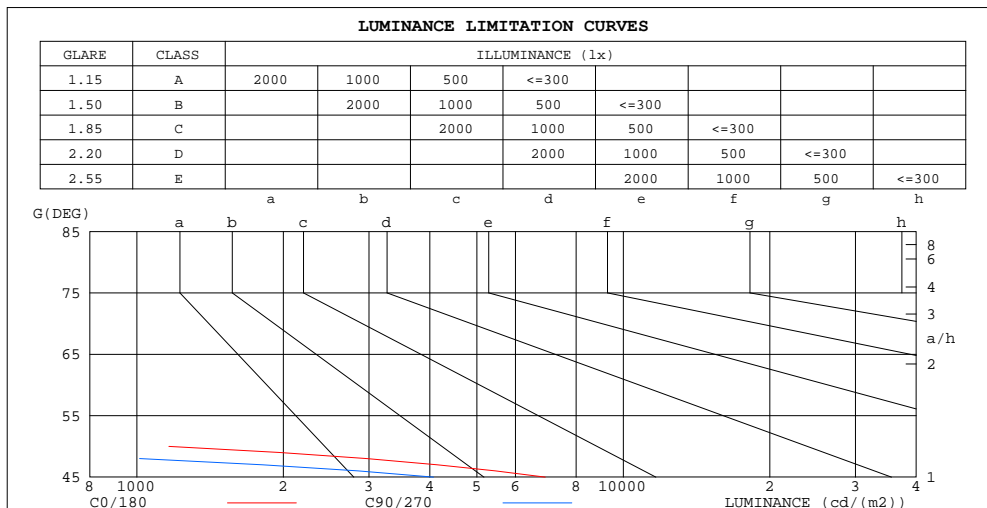
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2017-05-17

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1180	1179	1185	1201	1216	1215	1213	1198	0- 10	117.6	117.6	12.4,12.4
20	915.6	897.4	886.0	923.2	997.8	1022	1012	965.5	10- 20	308.3	425.9	44.8,44.8
30	411.4	379.6	374.7	410.0	477.6	526.8	544.1	478.6	20- 30	315.8	741.8	78,78
40	115.5	93.75	90.58	109.9	135.9	155.5	174.7	150.0	30- 40	165.4	907.2	95.5,95.5
50	6.848	2.575	1.927	2.135	5.624	11.45	18.51	15.87	40- 50	41.28	948.5	99.8,99.8
60	0.3683	0.2858	0.2433	0.2443	0.3270	0.4425	0.5365	0.4928	50- 60	1.656	950.1	100,100
70	0.0963	0.0916	0.0963	0.0633	0.0677	0.0963	0.0852	0.1138	60- 70	0.1595	950.3	100,100
80	0.0525	0.0481	0.0568	0.0437	0.0284	0.0503	0.0306	0.0569	70- 80	0.0601	950.3	100,100
90	0.0481	0.0481	0.0503	0.0437	0.0241	0.0262	0.0262	0.0306	80- 90	0.0444	950.4	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	63	66
80	33	36
75	25	26
70	31	31
65	33	37
60	80	53
55	204	137
50	1164	327
45	6907	4071

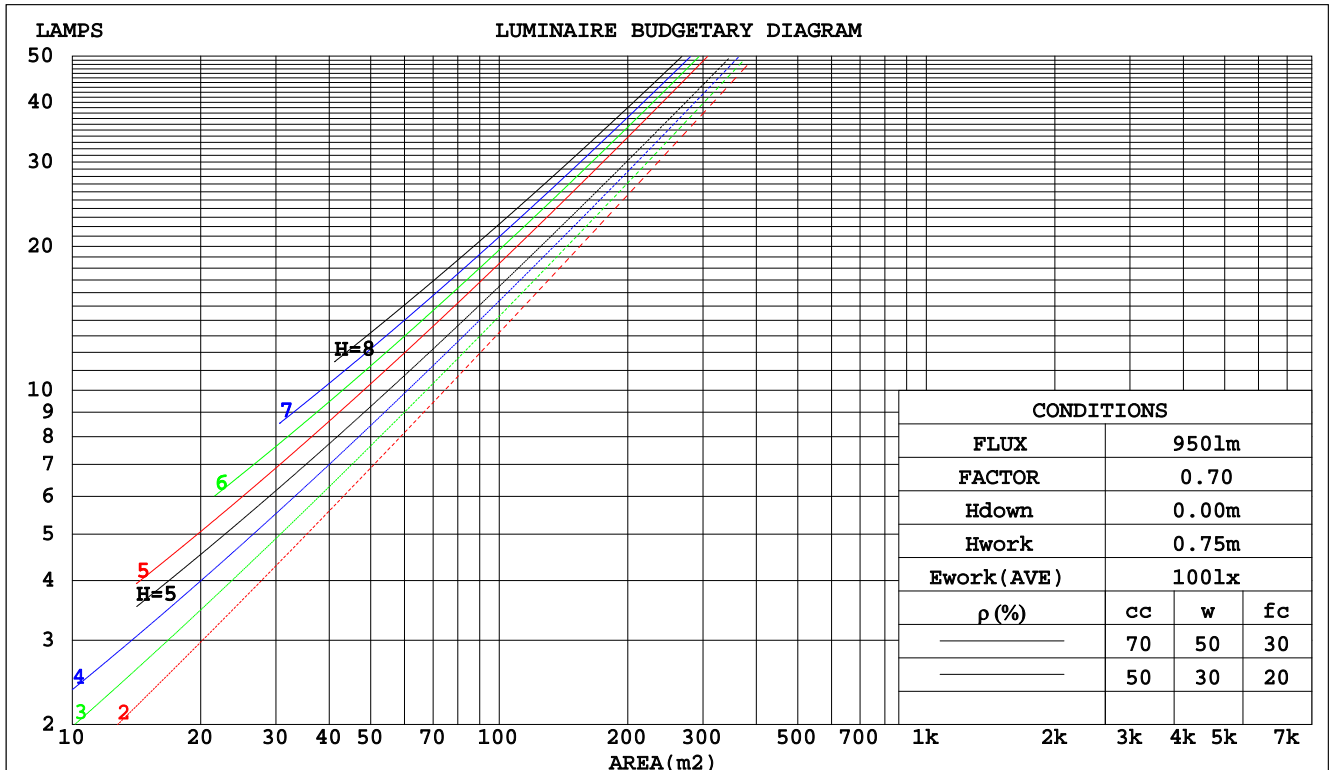
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-05-17

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.7V I:0.0709A P:14.31W PF:0.9152 Lamp Flux:950.378x1 lm		
NAME: S100R1-13W-940-W	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: ϕ 108mm*H126mm	
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	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.92	.90	.88
3.0	.98	.93	.89	.96	.92	.88	.94	.90	.87	.91	.88	.86	.89	.87	.84	.83
4.0	.92	.86	.83	.91	.86	.82	.88	.84	.81	.86	.83	.80	.85	.82	.79	.78
5.0	.86	.81	.77	.85	.80	.76	.84	.79	.76	.82	.78	.75	.80	.77	.74	.73
6.0	.81	.76	.72	.81	.75	.72	.79	.75	.71	.78	.74	.71	.77	.73	.70	.69
7.0	.77	.71	.67	.76	.71	.67	.75	.70	.67	.74	.70	.66	.73	.69	.66	.65
8.0	.73	.67	.63	.72	.67	.63	.71	.66	.63	.70	.66	.63	.69	.65	.62	.61
9.0	.69	.64	.60	.69	.63	.60	.68	.63	.59	.67	.62	.59	.66	.62	.59	.58
10.0	.66	.60	.56	.65	.60	.56	.64	.60	.56	.64	.59	.56	.63	.59	.56	.55



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-05-17

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:220.7V I:0.0709A P:14.31W PF:0.9152 Lamp Flux:950.378x1 lm		
NAME: S100R1-13W-940-W	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: ϕ 108mm*H126mm	
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	.169	.096	.030	.162	.093	.029	.150	.086	.027	.138	.080	.026	.127	.074	.024		
2.0	.161	.088	.027	.156	.086	.026	.145	.081	.025	.135	.076	.024	.126	.071	.023		
3.0	.153	.082	.024	.149	.080	.024	.140	.076	.023	.131	.072	.022	.124	.069	.021		
4.0	.146	.076	.022	.142	.074	.022	.134	.071	.021	.127	.068	.021	.121	.066	.020		
5.0	.139	.071	.021	.136	.070	.020	.129	.067	.020	.123	.065	.019	.117	.063	.019		
6.0	.133	.067	.019	.130	.066	.019	.124	.064	.019	.119	.062	.018	.114	.060	.018		
7.0	.128	.063	.018	.125	.062	.018	.120	.061	.017	.115	.059	.017	.110	.057	.017		
8.0	.122	.060	.017	.120	.059	.017	.115	.058	.016	.111	.056	.016	.107	.055	.016		
9.0	.117	.057	.016	.115	.056	.016	.111	.055	.016	.107	.054	.015	.104	.053	.015		
10.0	.113	.054	.015	.111	.054	.015	.107	.053	.015	.104	.051	.015	.100	.050	.014		

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	.171	.157	.146	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.033	.016	.013	.011	
4.0	.131	.099	.074	.113	.085	.064	.078	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.123	.087	.061	.105	.075	.053	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.115	.078	.051	.099	.067	.044	.068	.047	.031	.040	.028	.019	.013	.009	.006	
7.0	.109	.070	.043	.093	.061	.037	.065	.043	.027	.037	.025	.016	.012	.008	.005	
8.0	.103	.064	.037	.089	.055	.032	.061	.039	.023	.036	.023	.014	.012	.007	.004	
9.0	.098	.058	.032	.084	.051	.028	.058	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.093	.054	.028	.080	.047	.024	.056	.033	.017	.033	.020	.010	.011	.006	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-05-17

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:220.7V I:0.0709A P:14.31W PF:0.9152 Lamp Flux:950.378x1 lm										
NAME: S100R1-13W-940-W					TYPE:Downlight			SERIAL No.:		
SPEC.:4000K					DIM.: $\phi 108\text{mm} \times H126\text{mm}$					
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	14.0	14.9	14.2	15.0	15.2	13.3	14.2	13.5	14.3	14.5
3H	13.8	14.6	14.1	14.8	15.0	13.1	13.9	13.4	14.1	14.3
4H	13.7	14.5	14.0	14.7	14.9	13.0	13.8	13.3	14.0	14.2
6H	13.6	14.4	13.9	14.6	14.8	12.9	13.7	13.2	13.9	14.1
8H	13.6	14.3	13.9	14.5	14.8	12.9	13.6	13.2	13.8	14.1
12H	13.5	14.2	13.9	14.5	14.8	12.8	13.5	13.2	13.8	14.1
4H 2H	13.7	14.5	14.0	14.7	14.9	13.0	13.8	13.3	14.0	14.2
3H	13.5	14.2	13.9	14.5	14.8	12.8	13.5	13.2	13.8	14.1
4H	13.5	14.1	13.8	14.4	14.7	12.7	13.4	13.1	13.6	14.0
6H	13.4	13.9	13.7	14.2	14.6	12.6	13.2	13.0	13.5	13.9
8H	13.3	13.8	13.7	14.1	14.5	12.6	13.1	13.0	13.4	13.8
12H	13.3	13.7	13.7	14.1	14.5	12.5	13.0	13.0	13.4	13.8
8H 4H	13.3	13.8	13.7	14.1	14.5	12.6	13.1	13.0	13.4	13.8
6H	13.2	13.6	13.6	14.0	14.4	12.5	12.9	12.9	13.3	13.7
8H	13.1	13.5	13.6	13.9	14.4	12.4	12.8	12.9	13.2	13.7
12H	13.1	13.4	13.6	13.8	14.3	12.4	12.7	12.8	13.1	13.6
12H 4H	13.3	13.7	13.7	14.1	14.5	12.5	13.0	13.0	13.4	13.8
6H	13.1	13.5	13.6	13.9	14.4	12.4	12.8	12.9	13.2	13.7
8H	13.1	13.4	13.6	13.8	14.3	12.4	12.7	12.8	13.1	13.6
Variations with the observer position at spacings:										
S = 1.0H	+ 3.9 / -26.7					+ 3.7 / -27.1				
1.5H	+ 6.3 / -24.3					+ 6.3 / -23.9				
2.0H	+ 9.2 / -21.8					+ 9.0 / -18.5				

CIE Pub.117 Corrected 950.4 lm Total Lamp Luminous Flux. ($8\log(F/F_0) = -0.2$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-05-17

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:220.7V I:0.0709A P:14.31W PF:0.9152 Lamp Flux:950.378x1 lm		
NAME: S100R1-13W-940-W	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: ϕ 108mm*H126mm	
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) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	79	88	82	79	87	82	79	75
0.80	96	90	87	95	90	87	94	90	86	83
1.00	100	95	92	99	95	91	98	94	91	87
1.25	104	99	96	103	99	96	101	98	95	91
1.50	107	102	99	106	102	99	103	100	98	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	104	102	96
3.00	112	109	106	110	108	105	107	105	103	97
4.00	114	112	109	112	110	108	109	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:2017-05-17

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:

ISOCANDELA DIAGRAM

Test:U:220.7V I:0.0709A P:14.31W PF:0.9152 Lamp Flux:950.378x1 lm		
NAME: S100R1-13W-940-W	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: ϕ 108mm*H126mm	
MFR.: NEKO LIGHTING AG		

Conical surface Flux(90deg):

938.38 lm

%lum = 98.7%

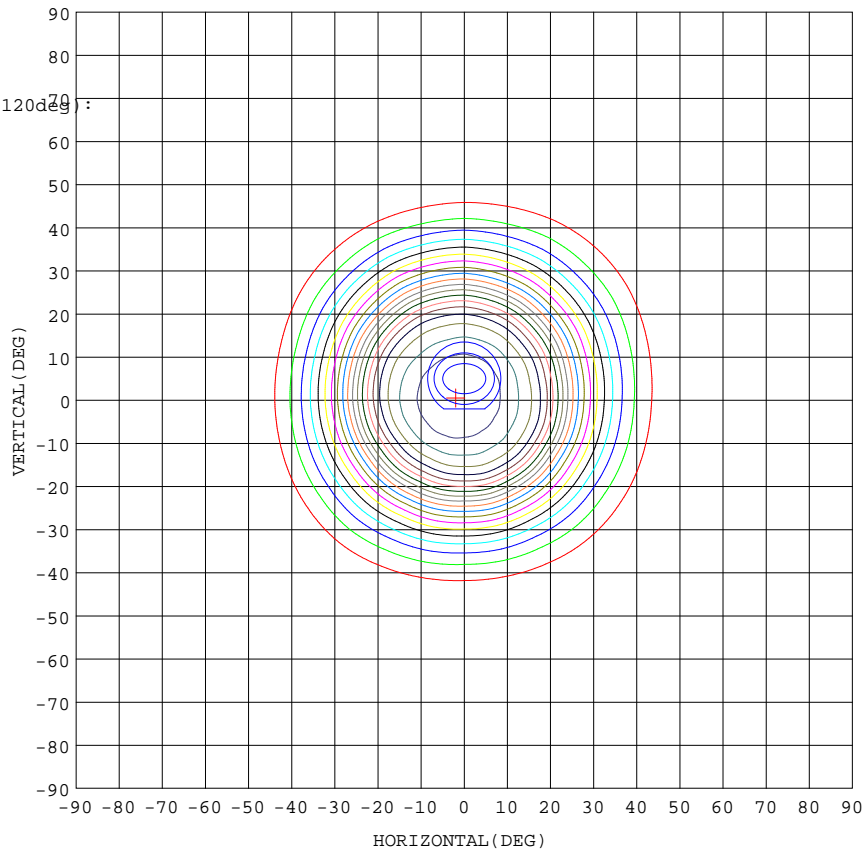
%lamp = 98.7%

Conical surface Flux(120deg):

950.11 lm

%lum = 100.0%

%lamp = 100.0%



5% 63.34
10% 126.7
15% 190.0
20% 253.4
25% 316.7
30% 380.0
35% 443.4
40% 506.7
45% 570.1
50% 633.4
55% 696.7
60% 760.1
65% 823.4
70% 886.8
75% 950.1
80% 1013
85% 1077
90% 1140
95% 1203

1. AVG=1247,MIN=1225
2. AVG=1240,MIN=1198
3. AVG=1229,MIN=1159

Imax:1267(H=2.0,V0.5)
(At:C=195.0,Gamma=2.0)

UNIT: cd

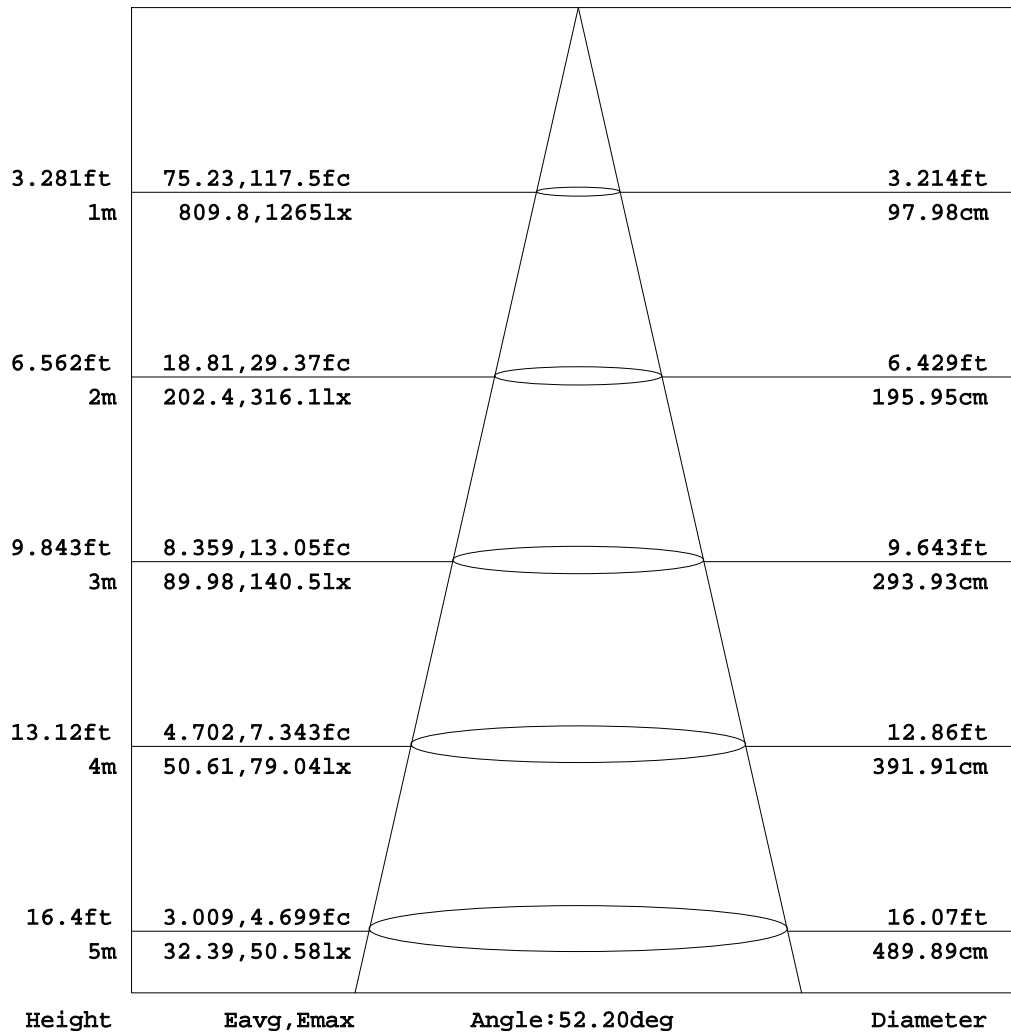
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-05-17

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:220.7V I:0.0709A P:14.31W PF:0.9152 Lamp Flux:950.378x1 lm		
NAME: S100R1-13W-940-W	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: ϕ 108mm*H126mm	
MFR.: NEKO LIGHTING AG		

Flux out:660.5 lm



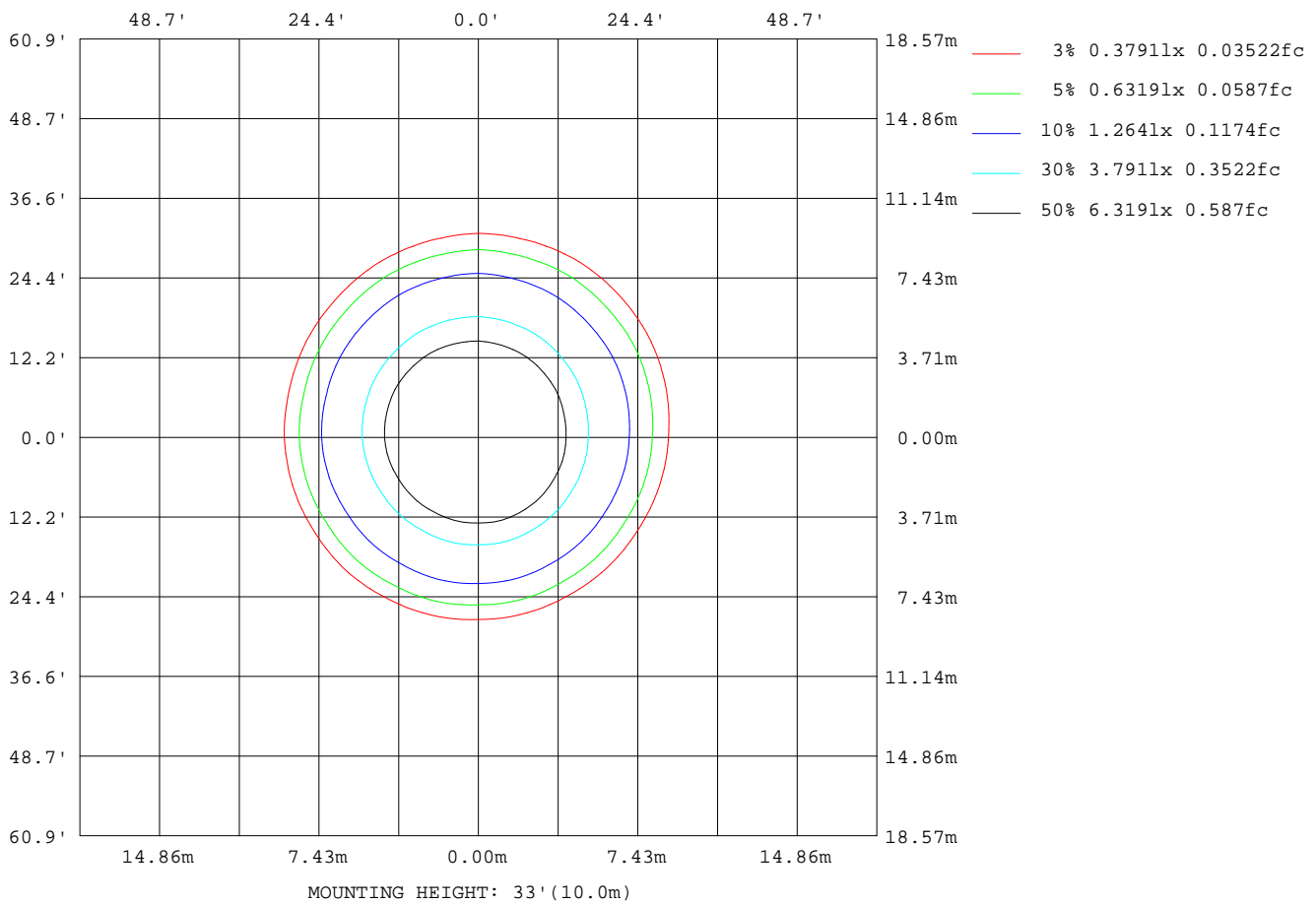
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-05-17

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

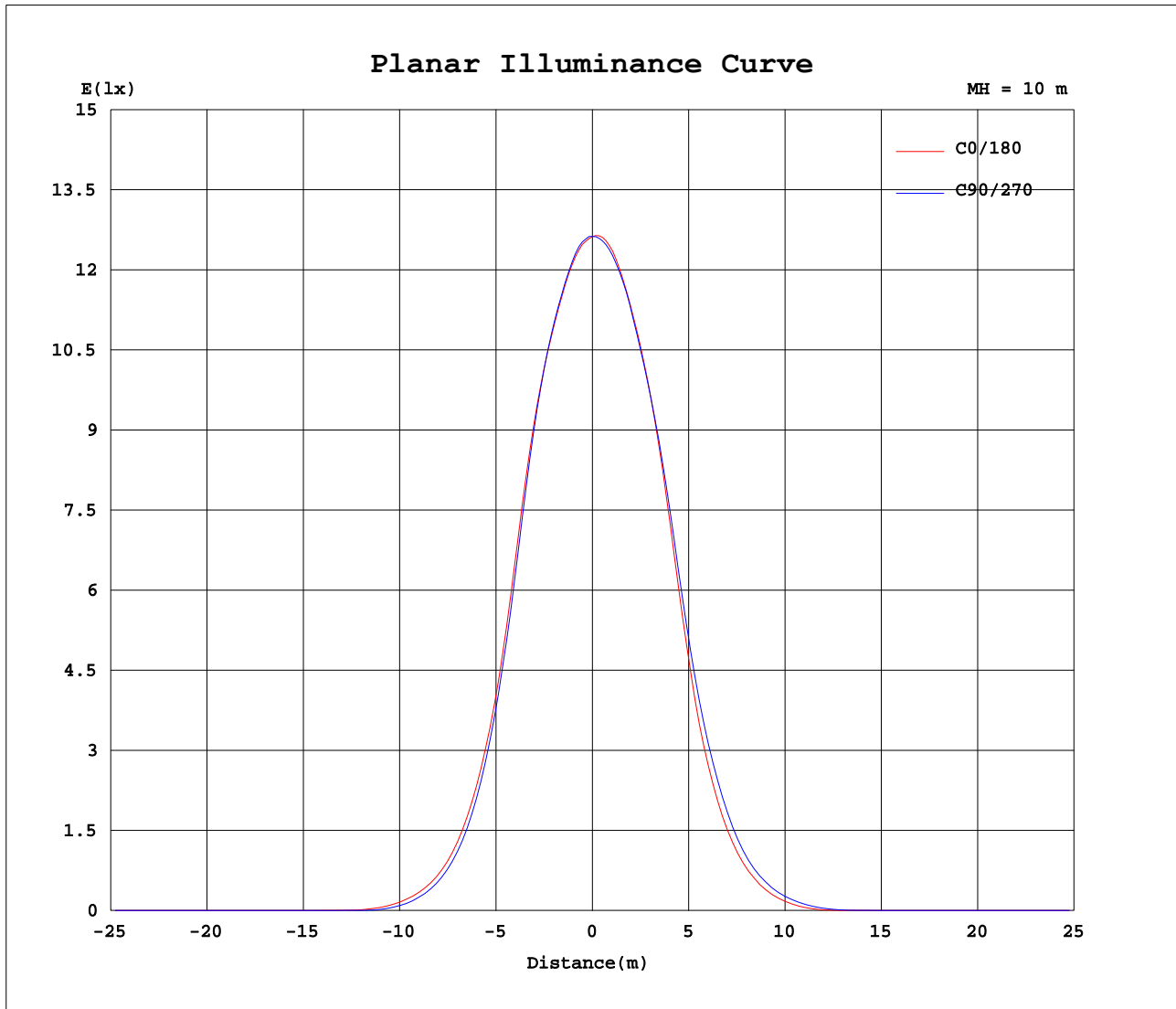
Test:U:220.7V I:0.0709A P:14.31W PF:0.9152 Lamp Flux:950.378x1 lm		
NAME: S100R1-13W-940-W	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: ϕ 108mm*H126mm	
MFR.: NEKO LIGHTING AG		



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-05-17

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: 2017-05-17

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:

```

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	1262	1263	1263	1263	1263	1263	1263	1263	1263	1262
3.0	1253	1253	1253	1253	1254	1256	1257	1259	1261	1263
6.0	1230	1230	1229	1230	1230	1234	1235	1240	1244	1248
9.0	1194	1193	1190	1193	1193	1197	1198	1204	1208	1215
12.0	1150	1150	1149	1152	1151	1155	1154	1160	1163	1171
15.0	1092	1093	1092	1094	1090	1092	1087	1092	1093	1106
18.0	1001	1004	995.2	996.6	988.8	992.5	983.7	990.2	990.5	1010
21.0	863.4	857.3	843.6	843.5	834.8	840.1	830.7	841.5	847.5	874.2
24.0	697.4	687.0	669.3	668.3	661.7	669.3	662.3	677.0	685.4	713.2
27.0	542.0	529.8	512.4	512.7	506.1	514.0	508.7	520.1	523.6	547.4
30.0	411.4	398.5	383.2	379.6	373.7	377.5	374.7	386.9	389.4	410.0
33.0	298.3	285.7	270.6	265.9	259.5	263.2	262.4	272.1	277.1	294.1
36.0	205.0	193.7	180.8	177.3	171.2	174.2	174.2	182.9	187.1	201.3
39.0	134.8	126.4	115.5	111.5	107.1	108.0	108.4	114.7	119.4	130.9
42.0	82.95	75.47	67.45	63.85	60.65	60.33	60.95	64.52	68.17	75.48
45.0	44.72	39.49	33.10	30.27	27.11	27.11	26.36	28.75	30.19	35.06
48.0	18.17	14.85	10.98	9.377	7.500	7.163	6.205	6.908	7.021	9.076
51.0	3.422	2.566	1.946	1.838	1.744	1.709	1.654	1.677	1.696	1.794
54.0	1.388	1.255	1.088	1.048	0.9648	0.9431	0.8945	0.9213	0.9165	0.9933
57.0	0.6972	0.6462	0.5808	0.5632	0.5064	0.4999	0.4713	0.4868	0.4757	0.5173
60.0	0.3683	0.3360	0.3090	0.2858	0.2631	0.2466	0.2433	0.2400	0.2368	0.2443
63.0	0.1842	0.1549	0.1622	0.1442	0.1511	0.1334	0.1445	0.1224	0.1314	0.1071
66.0	0.1225	0.1049	0.1378	0.1268	0.1356	0.1202	0.1378	0.1136	0.1181	0.0940
69.0	0.1072	0.0896	0.1160	0.1005	0.1181	0.0939	0.1073	0.0830	0.0963	0.0764
72.0	0.0788	0.0589	0.0810	0.0546	0.0679	0.0481	0.0701	0.0481	0.0613	0.0437
75.0	0.0591	0.0481	0.0656	0.0481	0.0547	0.0481	0.0613	0.0481	0.0525	0.0437
78.0	0.0525	0.0481	0.0591	0.0481	0.0546	0.0481	0.0569	0.0481	0.0503	0.0437
81.0	0.0525	0.0481	0.0568	0.0481	0.0481	0.0481	0.0525	0.0481	0.0503	0.0437
84.0	0.0503	0.0481	0.0525	0.0481	0.0481	0.0481	0.0525	0.0481	0.0459	0.0437
87.0	0.0503	0.0481	0.0503	0.0481	0.0481	0.0481	0.0503	0.0481	0.0437	0.0437
90.0	0.0481	0.0481	0.0503	0.0481	0.0481	0.0481	0.0503	0.0481	0.0437	0.0437

G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1262	1262	1263	1263	1263	1263	1263	1263	1263	1263
3.0	1264	1266	1266	1266	1266	1265	1264	1262	1260	1258
6.0	1250	1253	1256	1255	1256	1253	1252	1249	1247	1243
9.0	1219	1225	1228	1228	1230	1227	1226	1224	1223	1220
12.0	1176	1184	1189	1188	1189	1183	1184	1182	1184	1178
15.0	1116	1131	1140	1142	1142	1136	1136	1132	1135	1129
18.0	1023	1048	1067	1076	1081	1078	1078	1073	1071	1062
21.0	893.5	927.3	953.7	971.5	986.3	986.5	991.0	981.4	976.9	960.2
24.0	733.5	769.0	801.0	818.6	838.6	844.5	853.6	843.9	841.1	819.3
27.0	565.6	597.5	633.7	650.4	672.6	683.3	694.9	691.3	688.9	665.5
30.0	423.0	452.7	477.6	494.3	517.3	526.8	543.4	541.5	544.1	523.1
33.0	305.5	328.6	350.2	362.9	382.9	393.9	410.6	412.9	415.3	397.0
36.0	209.4	227.6	243.0	251.6	267.7	277.4	292.4	293.6	298.2	284.7
39.0	135.8	148.4	158.4	163.4	175.2	182.0	194.1	196.7	201.6	192.4
42.0	79.12	87.24	94.21	97.73	105.2	110.4	121.1	123.7	129.9	124.0
45.0	37.46	43.14	48.94	51.85	56.27	60.75	66.78	70.51	75.62	73.95
48.0	10.48	14.02	17.78	19.80	23.59	25.88	30.85	33.38	37.16	36.59
51.0	1.884	2.090	2.683	3.347	5.041	6.371	8.659	9.731	11.56	11.33
54.0	1.033	1.192	1.381	1.485	1.671	1.780	1.918	1.957	2.026	1.988
57.0	0.5305	0.5959	0.6741	0.7253	0.8268	0.8895	0.9838	1.003	1.036	1.008
60.0	0.2631	0.2880	0.3270	0.3528	0.4099	0.4425	0.5038	0.5082	0.5365	0.5257
63.0	0.1228	0.1179	0.1286	0.1535	0.1678	0.2061	0.2245	0.2434	0.2506	0.2608
66.0	0.1115	0.0940	0.0896	0.1006	0.0874	0.1159	0.1049	0.1248	0.1093	0.1358
69.0	0.0919	0.0743	0.0743	0.0918	0.0764	0.1028	0.0917	0.1115	0.0939	0.1181
72.0	0.0592	0.0415	0.0436	0.0657	0.0502	0.0853	0.0677	0.0919	0.0677	0.0985
75.0	0.0525	0.0415	0.0306	0.0460	0.0306	0.0591	0.0415	0.0635	0.0415	0.0657
78.0	0.0481	0.0415	0.0306	0.0437	0.0306	0.0525	0.0350	0.0547	0.0349	0.0590
81.0	0.0481	0.0415	0.0263	0.0394	0.0284	0.0503	0.0328	0.0503	0.0284	0.0547
84.0	0.0459	0.0415	0.0241	0.0328	0.0219	0.0416	0.0306	0.0394	0.0284	0.0459
87.0	0.0459	0.0416	0.0241	0.0306	0.0219	0.0350	0.0262	0.0350	0.0262	0.0372
90.0	0.0459	0.0437	0.0241	0.0262	0.0219	0.0262	0.0262	0.0262	0.0262	0.0306

G/C	300.0	315.0	330.0	345.0
0.0	1263	1262	1262	1262
3.0	1256	1254	1253	1252
6.0	1242	1239	1236	1232
9.0	1217	1210	1206	1198
12.0	1176	1168	1163	1153
15.0	1126	1116	1108	1096
18.0	1054	1038	1027	1008
21.0	946.9	922.7	904.6	876.8

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2017-05-17

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	802.2	771.6	750.2	716.5
27.0	647.6	615.9	593.8	562.0
30.0	506.7	478.6	460.0	431.1
33.0	381.9	357.2	340.5	317.0
36.0	274.1	254.0	241.2	221.4
39.0	186.1	172.3	163.6	148.6
42.0	122.6	112.6	105.5	94.20
45.0	73.20	67.54	62.63	54.13
48.0	36.69	32.75	29.76	23.73
51.0	11.52	9.610	8.144	5.561
54.0	1.969	1.846	1.768	1.583
57.0	1.008	0.9310	0.8858	0.7908
60.0	0.5344	0.4928	0.4733	0.4205
63.0	0.2551	0.2477	0.2245	0.2104
66.0	0.1246	0.1401	0.1180	0.1312
69.0	0.1027	0.1225	0.0983	0.1094
72.0	0.0808	0.0963	0.0742	0.0853
75.0	0.0459	0.0657	0.0416	0.0612
78.0	0.0372	0.0612	0.0350	0.0525
81.0	0.0328	0.0525	0.0328	0.0459
84.0	0.0284	0.0460	0.0328	0.0416
87.0	0.0284	0.0437	0.0241	0.0350
90.0	0.0284	0.0306	0.0241	0.0306

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-05-17

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: