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LED Downlight SENSE Series LE-  
S150S1-25W-940-M

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Light Output Ratio:	100.0%	
Luminaire Power:	27.55 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.60	fine grid method.

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

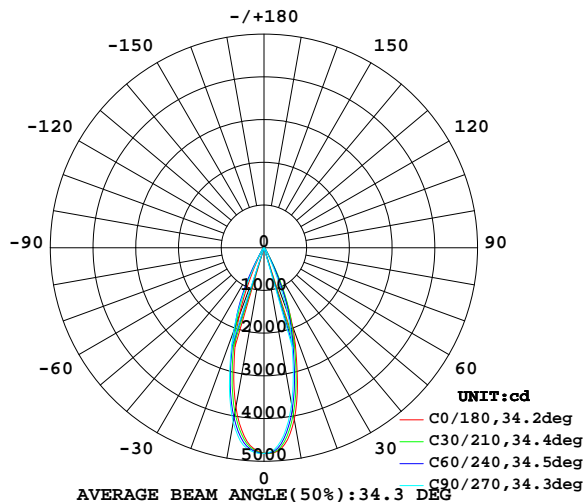
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

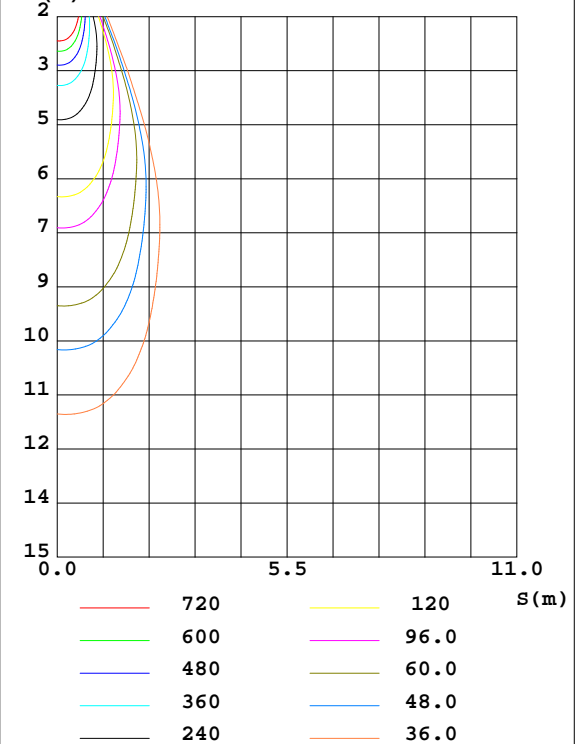
Test:U:220.6V I:0.1308A P:27.55W PF:0.9544 Lamp Flux:1778x1 lm		
NAME: S150S1-25W-940-M	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L162mm*W162mm*H188mm	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 64.53 lm/W			
MODEL	CITIZEN-4000K	Imax(cd)	4832	S/MH(C0/180)	0.54
NOMINAL POWER(W)	28	LOR(%)	100.0	S/MH(C90/270)	0.59
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1778.0	$\eta$ UP,DN(C0-180)	0.0,47.1
NOMINAL FLUX(lm)	1778	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,52.9
LAMPS INSIDE	1	$\eta$ up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	$\eta$ down(%)	100.0	CIBSE SHR MAX	0.60

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



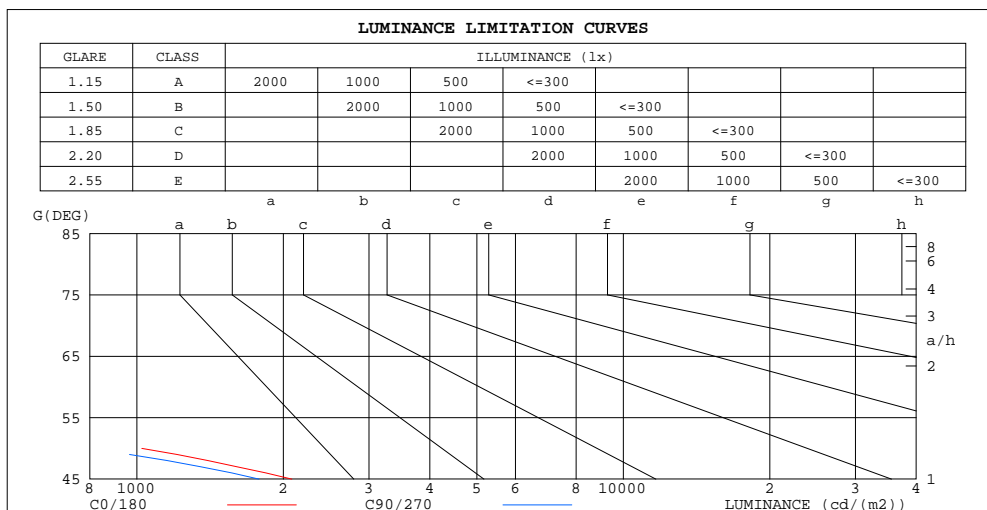
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-06-21

$\gamma$  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:

## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	4083	3917	3724	3697	3791	3963	4147	4201	0- 10	419.9	419.9	23.6,23.6
20	1971	1849	1601	1708	1700	1959	2080	2165	10- 20	789.4	1209	68,68
30	273.2	365.7	188.8	308.7	220.7	422.6	285.0	563.3	20- 30	438.5	1648	92.7,92.7
40	69.76	76.85	60.64	71.45	61.39	78.89	70.15	86.50	30- 40	88.34	1736	97.6,97.6
50	17.27	24.05	10.80	22.52	15.32	26.66	20.56	29.64	40- 50	33.36	1770	99.5,99.5
60	1.240	2.459	0.9000	2.413	1.262	3.115	1.617	3.451	50- 60	7.311	1777	99.9,99.9
70	0.4420	0.2818	0.4421	0.3866	0.4712	0.4923	0.4385	0.3393	60- 70	0.8040	1778	100,100
80	0.1216	0.1351	0.1377	0.1923	0.1657	0.1268	0.0678	0.0787	70- 80	0.2013	1778	100,100
90	0.1115	0.1093	0.1268	0.1531	0.1574	0.1181	0.0634	0.0722	80- 90	0.1295	1778	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	52	60
80	27	30
75	18	20
70	49	49
65	51	51
60	95	69
55	322	255
50	1024	640
45	2082	1783

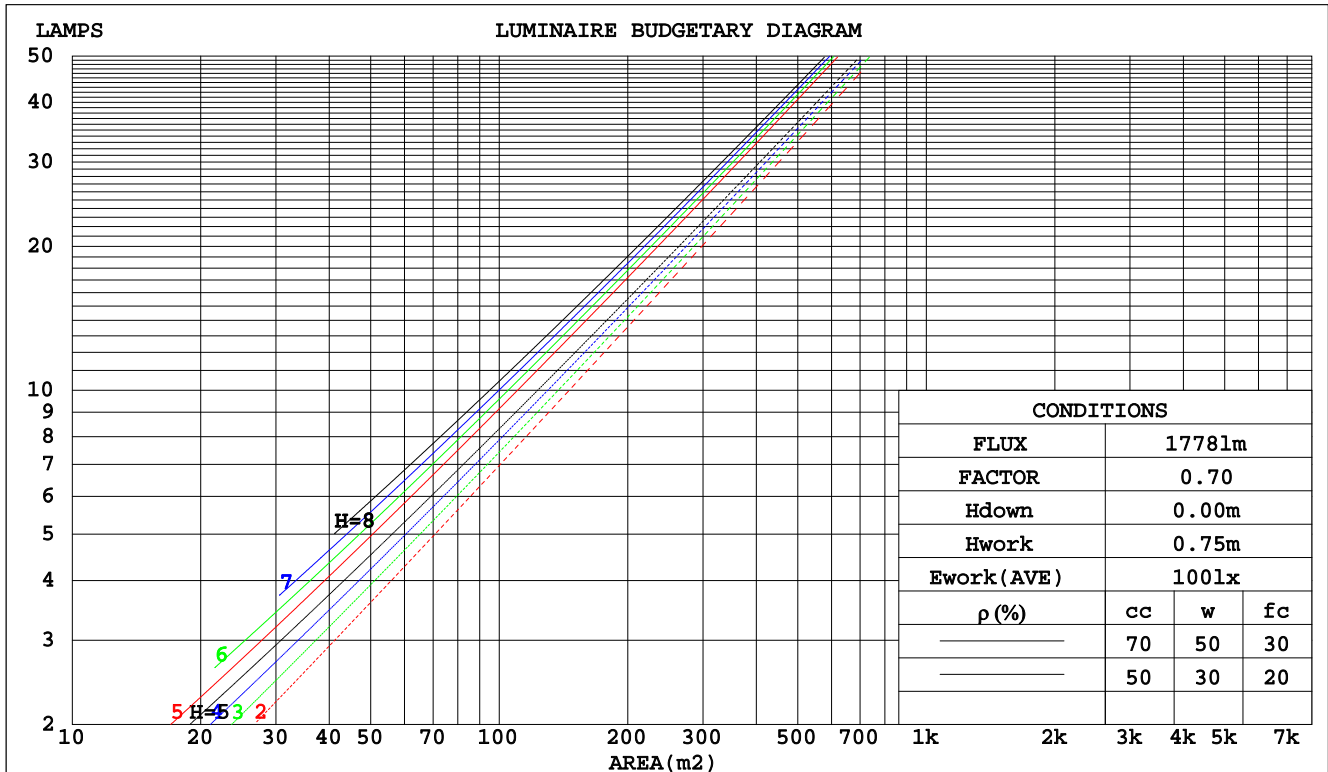
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-06-21

$\gamma$  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:0.1308A P:27.55W PF:0.9544 Lamp Flux:1778lx1 lm		
NAME: S150S1-25W-940-M	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L162mm*W162mm*H188mm	
MFR.:		

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	1.12	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96
2.0	1.06	1.03	1.00	1.05	1.02	.99	1.02	.99	.97	.99	.97	.95	.96	.94	.93	.92
3.0	1.01	.97	.94	.90	.96	.93	.97	.94	.92	.95	.92	.90	.93	.91	.89	.88
4.0	.96	.92	.89	.95	.91	.88	.93	.90	.87	.91	.89	.86	.90	.87	.85	.84
5.0	.92	.88	.84	.91	.87	.84	.90	.86	.83	.88	.85	.82	.87	.84	.82	.80
6.0	.88	.84	.80	.88	.83	.80	.86	.82	.79	.85	.82	.79	.84	.81	.78	.77
7.0	.85	.80	.77	.84	.80	.77	.83	.79	.76	.82	.78	.76	.81	.78	.75	.74
8.0	.81	.77	.74	.81	.77	.73	.80	.76	.73	.79	.75	.73	.78	.75	.73	.72
9.0	.78	.74	.71	.78	.74	.71	.77	.73	.70	.76	.73	.70	.76	.72	.70	.69
10.0	.76	.71	.68	.75	.71	.68	.75	.71	.68	.74	.70	.68	.73	.70	.68	.66



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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:

## WEC AND CCEC

Test:U:220.6V I:0.1308A P:27.55W PF:0.9544 Lamp Flux:1778x1 lm		
NAME: S150S1-25W-940-M	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L162mm*W162mm*H188mm	
MFR.:		

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	.148	.084	.027	.142	.081	.026	.129	.074	.024	.118	.068	.022	.107	.062	.020		
2.0	.139	.076	.023	.133	.074	.023	.123	.068	.021	.114	.064	.020	.105	.059	.019		
3.0	.131	.070	.021	.126	.068	.020	.117	.064	.019	.109	.060	.018	.102	.056	.017		
4.0	.123	.064	.019	.119	.063	.018	.112	.059	.018	.105	.057	.017	.099	.054	.016		
5.0	.117	.060	.017	.114	.058	.017	.107	.056	.016	.101	.053	.016	.096	.051	.015		
6.0	.111	.056	.016	.108	.055	.016	.103	.053	.015	.098	.051	.015	.093	.049	.015		
7.0	.106	.052	.015	.104	.052	.015	.099	.050	.014	.094	.048	.014	.090	.047	.014		
8.0	.101	.050	.014	.099	.049	.014	.095	.047	.014	.091	.046	.013	.087	.045	.013		
9.0	.097	.047	.013	.095	.046	.013	.092	.045	.013	.088	.044	.013	.085	.043	.012		
10.0	.093	.045	.012	.092	.044	.012	.088	.043	.012	.085	.042	.012	.082	.041	.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	.169	.158	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.116	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.138	.113	.094	.118	.098	.081	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.126	.098	.077	.108	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.116	.086	.064	.100	.074	.056	.069	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.108	.076	.054	.092	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.100	.068	.046	.086	.059	.040	.060	.042	.028	.035	.024	.017	.011	.008	.006	
8.0	.094	.062	.039	.081	.054	.034	.056	.038	.024	.033	.022	.015	.011	.007	.005	
9.0	.089	.056	.034	.077	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.084	.052	.030	.073	.045	.026	.050	.032	.019	.029	.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:0.1308A P:27.55W PF:0.9544 Lamp Flux:1778x1 lm										
NAME: S150S1-25W-940-M					TYPE:Downlight			SERIAL No.:		
SPEC.:4000K					DIM.: L162mm*W162mm*H188mm					
MFR.:										
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	5.6	6.3	5.8	6.5	6.6	4.6	5.3	4.8	5.4	5.6
3H	5.5	6.1	5.7	6.3	6.5	4.4	5.1	4.6	5.3	5.5
4H	5.4	6.0	5.6	6.2	6.4	4.3	5.0	4.6	5.2	5.4
6H	5.3	5.9	5.6	6.1	6.4	4.2	4.8	4.5	5.1	5.3
8H	5.2	5.8	5.5	6.1	6.3	4.2	4.8	4.5	5.0	5.3
12H	5.2	5.8	5.5	6.0	6.3	4.2	4.7	4.5	5.0	5.2
4H 2H	5.4	6.0	5.6	6.2	6.5	4.3	5.0	4.6	5.2	5.4
3H	5.2	5.8	5.5	6.0	6.3	4.2	4.7	4.5	5.0	5.3
4H	5.1	5.6	5.5	5.9	6.2	4.1	4.6	4.4	4.9	5.2
6H	5.0	5.5	5.4	5.8	6.1	4.0	4.4	4.4	4.8	5.1
8H	5.0	5.4	5.4	5.7	6.1	3.9	4.4	4.3	4.7	5.1
12H	4.9	5.3	5.3	5.7	6.1	3.9	4.3	4.3	4.6	5.0
8H 4H	5.0	5.4	5.3	5.7	6.1	3.9	4.4	4.3	4.7	5.1
6H	4.9	5.2	5.3	5.6	6.0	3.8	4.2	4.2	4.6	5.0
8H	4.8	5.1	5.2	5.5	6.0	3.8	4.1	4.2	4.5	4.9
12H	4.7	5.0	5.2	5.4	5.9	3.7	4.0	4.2	4.4	4.9
12H 4H	4.9	5.3	5.3	5.7	6.1	3.9	4.3	4.3	4.6	5.0
6H	4.8	5.1	5.2	5.5	6.0	3.8	4.1	4.2	4.5	4.9
8H	4.7	5.0	5.2	5.4	5.9	3.7	4.0	4.2	4.4	4.9
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / -13.0					+ 2.4 / -14.1				
1.5H	+ 3.9 / - 8.3					+ 3.6 / - 8.2				
2.0H	+ 6.1 / -14.4					+ 5.9 / -15.7				

CIE Pub.117 Corrected 1778 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:2017-06-21

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:0.1308A P:27.55W PF:0.9544 Lamp Flux:1778x1 lm		
NAME: S150S1-25W-940-M	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L162mm*W162mm*H188mm	
MFR.:		

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	84	81	90	84	81	89	84	80	77
0.80	97	92	88	97	91	88	95	91	88	85
1.00	101	96	93	100	96	92	99	95	92	88
1.25	105	100	97	104	100	96	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	104	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	113	112	113	112	110	110	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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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:

## ISOCANDELA DIAGRAM

Test:U:220.6V I:0.1308A P:27.55W PF:0.9544 Lamp Flux:1778x1 lm		
NAME: S150S1-25W-940-M	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L162mm*W162mm*H188mm	
MFR.:		

Conical surface Flux(90deg):

1757.1 lm

%lum = 98.8%

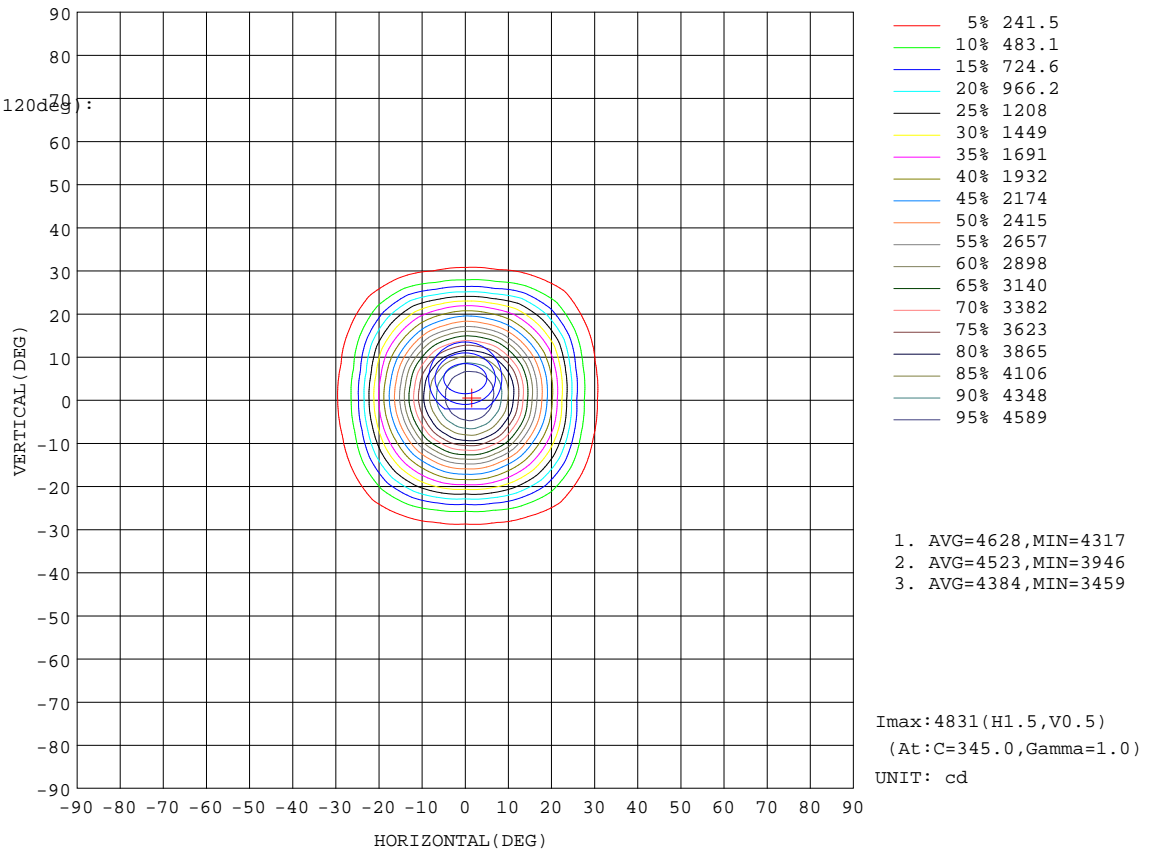
%lamp = 98.8%

Conical surface Flux(120deg):

1776.9 lm

%lum = 99.9%

%lamp = 99.9%



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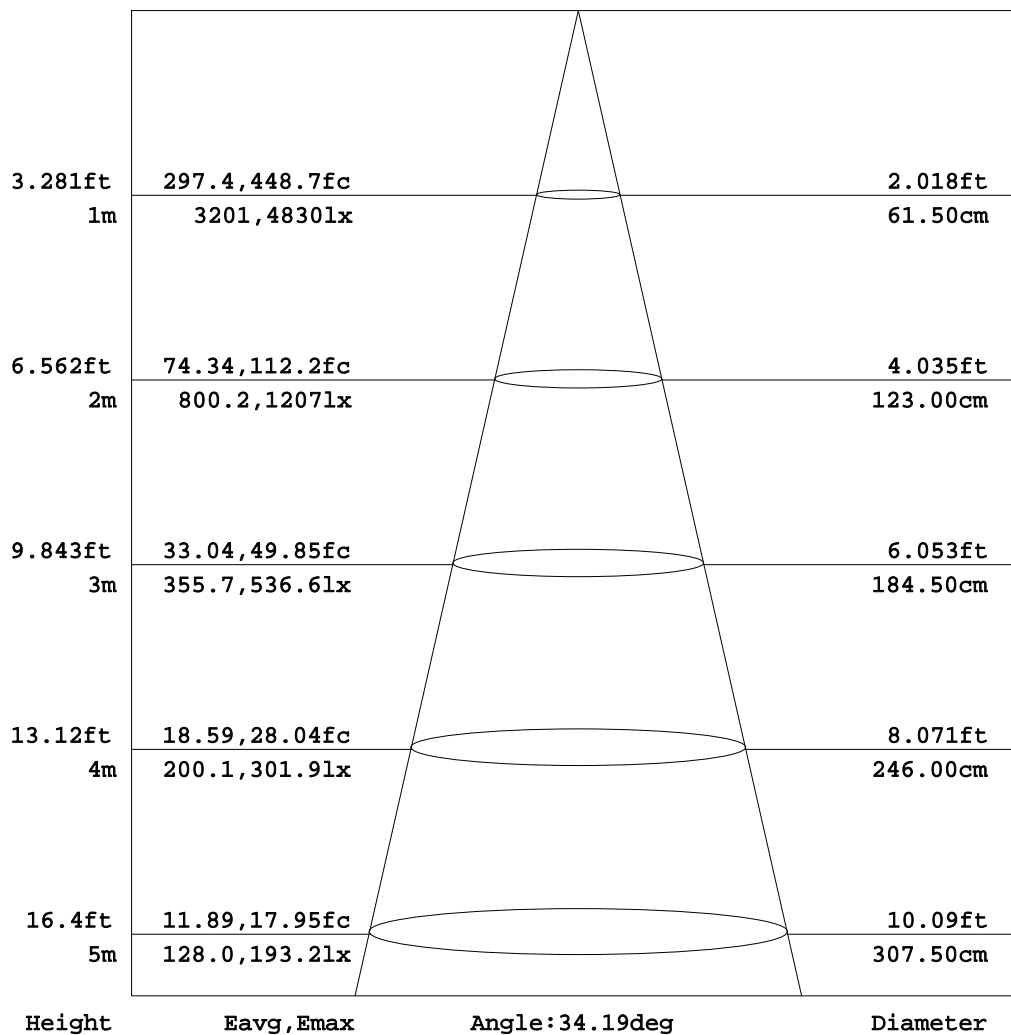
γ Range: 0 - 90DEG  
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Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:220.6V I:0.1308A P:27.55W PF:0.9544 Lamp Flux:1778x1 lm		
NAME: S150S1-25W-940-M	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L162mm*W162mm*H188mm	
MFR.:		

Flux out:1062 lm



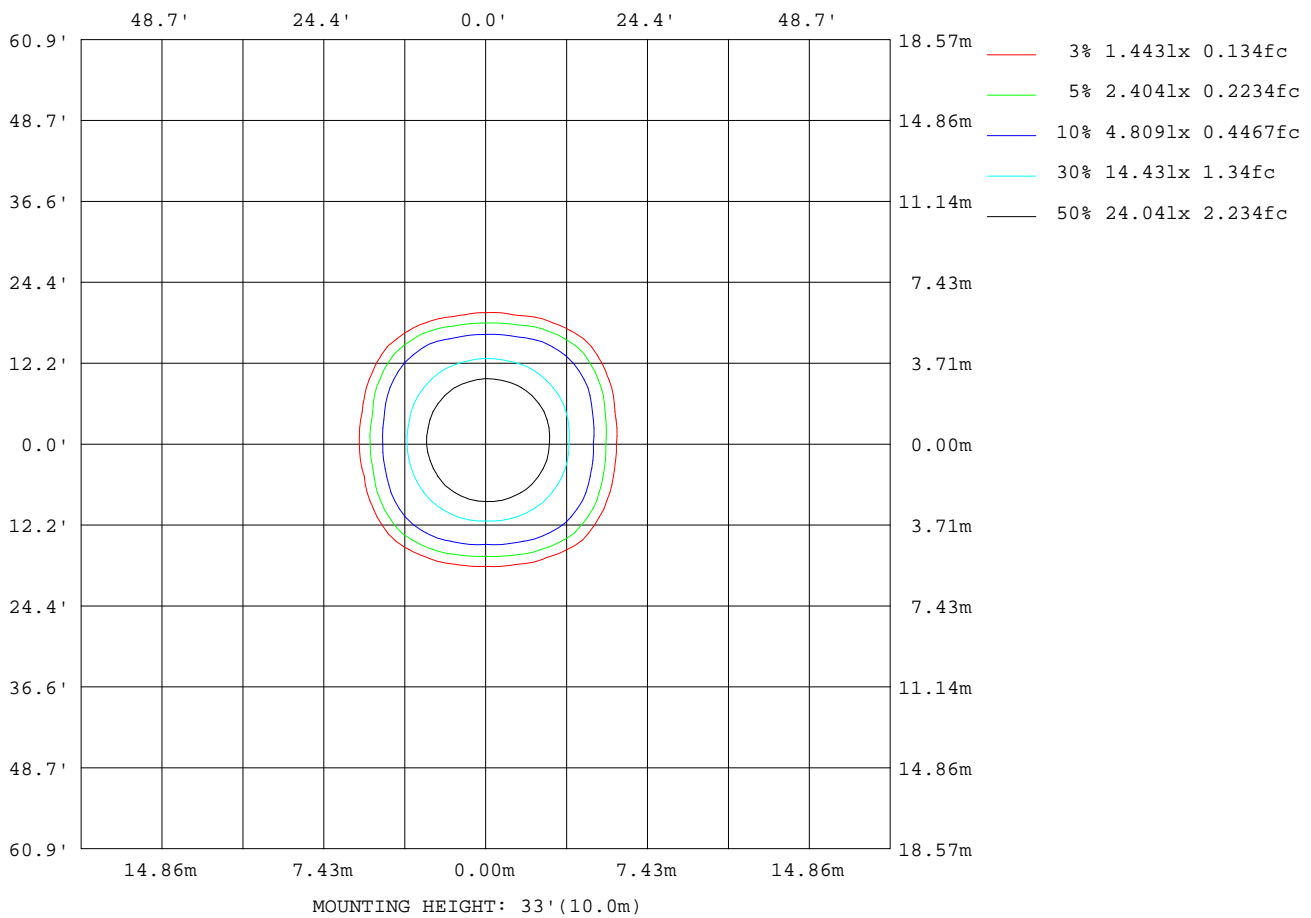
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

## ISOLUX DIAGRAM

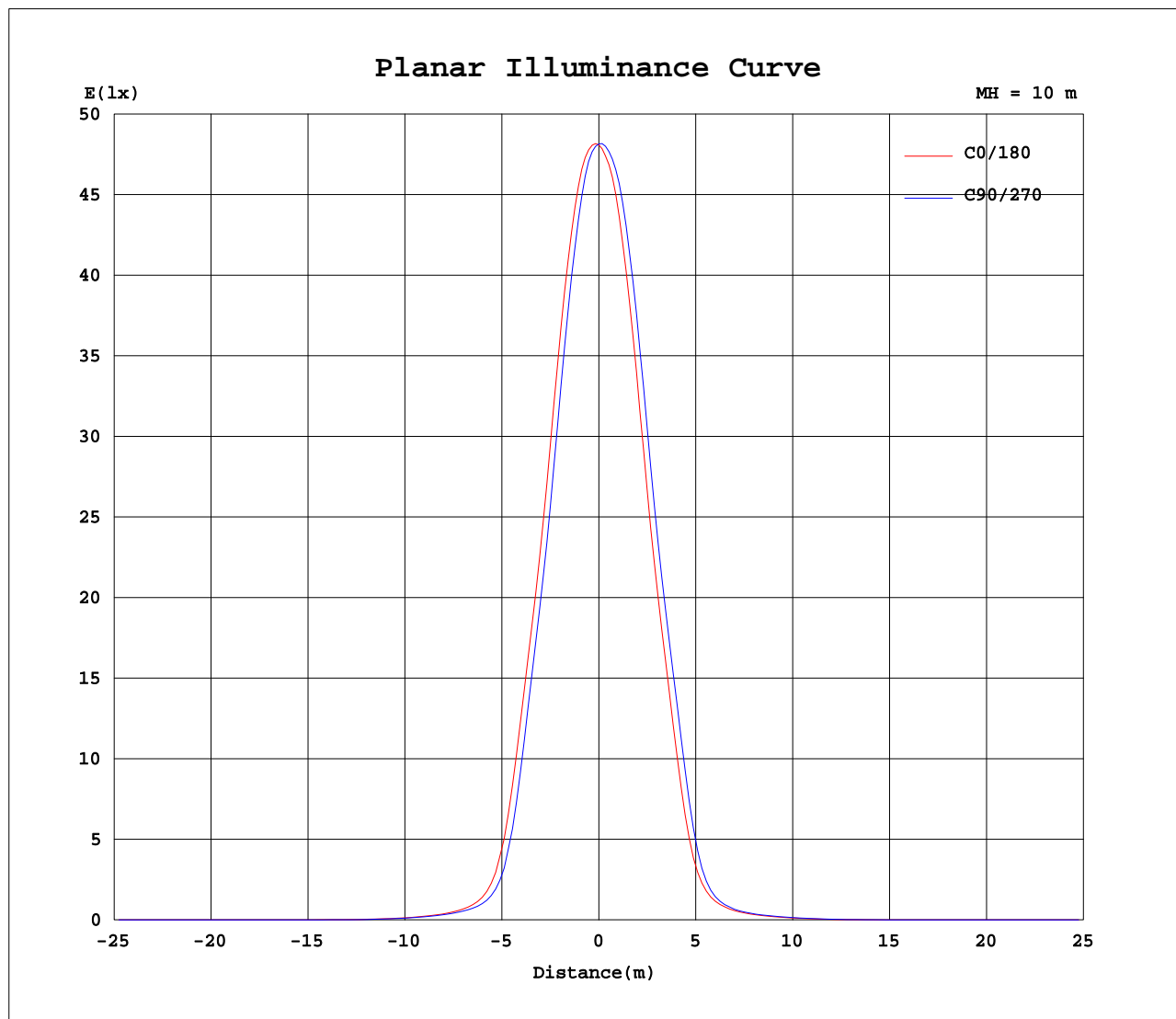
Test:U:220.6V I:0.1308A P:27.55W PF:0.9544 Lamp Flux:1778x1 lm		
NAME: S150S1-25W-940-M	TYPE:Downlight	SERIAL No.:
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 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity: 52%  
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 Remarks:

## 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:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:0.1308A P:27.55W PF:0.9544 Lamp Flux:1778x1 lm		
NAME: S150S1-25W-940-M	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L162mm*W162mm*H188mm	
MFR.:		

Table--1

UNIT: cd

[illegible]

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:

```

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:0.1308A P:27.55W PF:0.9544 Lamp Flux:1778x1 lm		
NAME: S150S1-25W-940-M	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L162mm*W162mm*H188mm	
MFR.:		

Table--2

UNIT: cd

[illegible]

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]

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	4809	4810	4813	4813	4814	4815	4815	4817	4816	4819
3.0	4798	4798	4789	4782	4760	4748	4725	4721	4704	4709
6.0	4627	4611	4568	4538	4487	4463	4417	4404	4370	4384
9.0	4247	4214	4133	4097	4024	3997	3925	3917	3875	3896
12.0	3689	3646	3555	3508	3407	3364	3285	3290	3258	3289
15.0	3006	2974	2885	2842	2718	2668	2600	2608	2593	2635
18.0	2365	2326	2249	2210	2111	2069	2012	2029	2022	2050
21.0	1762	1763	1723	1681	1592	1473	1375	1448	1518	1543
24.0	1096	1153	1215	1184	1045	841.8	742.6	829.1	985.9	1048
27.0	562.7	597.2	713.7	709.5	563.1	399.3	350.6	390.9	529.1	603.7
30.0	273.2	287.3	350.8	365.7	262.9	204.3	188.8	201.2	250.3	308.7
33.0	161.4	162.1	179.3	194.5	145.5	130.3	124.4	130.6	139.5	169.4
36.0	109.0	110.3	113.1	117.4	101.0	92.14	90.51	94.23	98.14	109.3
39.0	77.42	80.17	83.80	84.27	76.41	68.09	67.49	70.96	75.34	78.50
42.0	55.94	58.90	63.13	63.72	57.84	49.55	48.78	52.65	56.51	59.63
45.0	38.64	41.75	45.20	46.57	40.77	34.40	33.09	36.24	39.75	43.53
48.0	24.58	27.30	30.54	31.92	27.16	21.83	20.28	22.68	26.54	29.92
51.0	10.68	14.95	19.18	20.72	16.76	10.05	9.001	9.842	16.49	19.38
54.0	6.064	6.744	8.983	12.36	7.429	5.622	4.880	5.464	7.163	11.56
57.0	3.213	3.577	4.572	5.266	3.986	2.769	2.292	2.688	3.841	4.926
60.0	1.240	1.498	2.139	2.459	1.845	1.145	0.9000	1.110	1.796	2.413
63.0	0.6434	0.6249	0.8478	1.077	0.6921	0.5790	0.6367	0.5856	0.7267	1.075
66.0	0.5295	0.4961	0.4770	0.4346	0.4093	0.4698	0.5360	0.4807	0.5032	0.5027
69.0	0.4703	0.4240	0.3720	0.3081	0.3086	0.4020	0.4791	0.4064	0.3787	0.4174
72.0	0.1389	0.3589	0.2912	0.2426	0.2518	0.1157	0.1401	0.3169	0.3066	0.2884
75.0	0.1241	0.3095	0.1181	0.1701	0.1072	0.1021	0.1392	0.2815	0.1617	0.2204
78.0	0.1226	0.2600	0.1146	0.1491	0.1066	0.1037	0.1383	0.2461	0.1591	0.2035
81.0	0.1211	0.2105	0.1119	0.1281	0.1061	0.1041	0.1374	0.2107	0.1531	0.1867
84.0	0.1196	0.1610	0.1106	0.1071	0.1055	0.1045	0.1365	0.1753	0.1491	0.1699
87.0	0.1181	0.1115	0.1093	0.1093	0.1050	0.1050	0.1356	0.1399	0.1465	0.1531
90.0	0.1115	0.1115	0.1093	0.1093	0.1050	0.1050	0.1268	0.1377	0.1465	0.1531
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	4817	4820	4809	4810	4813	4813	4814	4815	4816	4819
3.0	4702	4707	4705	4710	4731	4742	4758	4772	4786	4798
6.0	4376	4411	4438	4454	4506	4524	4581	4605	4646	4666
9.0	3885	3931	3979	4013	4091	4129	4200	4233	4297	4314
12.0	3270	3313	3369	3411	3524	3590	3684	3710	3775	3801
15.0	2613	2639	2699	2743	2873	2950	3047	3057	3122	3143
18.0	2032	2053	2098	2142	2251	2326	2409	2410	2476	2485
21.0	1518	1474	1485	1550	1720	1788	1858	1849	1880	1907
24.0	1000	876.4	855.6	930.7	1189	1299	1358	1239	1220	1280
27.0	551.6	428.5	418.9	462.2	670.2	812.0	826.2	641.1	608.8	670.1
30.0	264.0	218.7	220.7	235.4	322.2	422.6	399.9	290.4	285.0	309.0
33.0	144.5	135.2	138.6	143.0	167.4	211.7	187.3	157.7	162.2	169.9
36.0	98.45	91.19	94.27	99.67	108.7	122.4	114.3	105.6	106.5	112.7
39.0	74.96	66.72	68.23	74.25	81.30	86.43	84.96	77.81	77.50	82.62
42.0	56.53	49.09	50.05	54.98	62.13	66.68	66.15	57.90	58.07	62.04
45.0	40.40	34.56	35.33	38.92	45.74	50.30	49.55	42.08	42.47	45.91
48.0	27.06	22.49	22.57	25.41	31.60	35.07	34.19	28.33	28.34	31.30
51.0	16.85	10.82	9.790	12.54	19.98	23.05	21.92	16.61	16.39	18.79
54.0	7.484	5.836	5.479	6.180	9.338	14.22	11.46	7.548	7.195	7.778
57.0	4.079	3.056	2.870	3.273	4.848	6.693	5.421	3.926	3.594	4.045
60.0	2.013	1.372	1.262	1.510	2.478	3.115	2.735	1.867	1.617	1.900
63.0	0.8235	0.7999	0.8698	0.8901	1.105	1.493	1.280	0.8263	0.7736	0.7894
66.0	0.5514	0.6794	0.7385	0.7679	0.6927	0.7167	0.6686	0.7044	0.6555	0.6607
69.0	0.4269	0.4803	0.5674	0.5691	0.5458	0.5383	0.5176	0.5645	0.5130	0.5056
72.0	0.2807	0.1679	0.1095	0.2179	0.3092	0.3984	0.3357	0.3006	0.2514	0.2589
75.0	0.1733	0.1531	0.1536	0.1288	0.0854	0.2432	0.0940	0.0919	0.0678	0.0787
78.0	0.1333	0.1684	0.1609	0.1517	0.0903	0.1290	0.0875	0.0897	0.0678	0.0787
81.0	0.1372	0.1702	0.1662	0.1537	0.0952	0.1290	0.0875	0.0853	0.0678	0.0787
84.0	0.1364	0.1693	0.1678	0.1545	0.1001	0.1257	0.0875	0.0831	0.0656	0.0765
87.0	0.1356	0.1684	0.1661	0.1552	0.1050	0.1224	0.0875	0.0765	0.0634	0.0743
90.0	0.1377	0.1684	0.1574	0.1531	0.1050	0.1181	0.0875	0.0678	0.0634	0.0678
G/C	300.0	315.0	330.0	345.0						
0.0	4816	4819	4817	4820						
3.0	4812	4816	4819	4816						
6.0	4693	4697	4699	4676						
9.0	4359	4353	4359	4314						
12.0	3855	3842	3851	3788						
15.0	3218	3212	3212	3123						
18.0	2557	2564	2551	2467						
21.0	1985	1984	1979	1878						

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	1470	1483	1458	1247
27.0	927.3	987.6	912.5	655.5
30.0	457.5	563.3	460.8	317.7
33.0	214.5	278.8	223.4	175.7
36.0	128.8	148.9	132.0	115.0
39.0	91.39	95.82	90.77	81.20
42.0	70.11	72.10	68.34	58.08
45.0	52.34	53.83	49.99	41.16
48.0	36.82	38.60	34.87	26.83
51.0	24.00	25.67	22.48	15.74
54.0	13.03	15.92	11.59	7.240
57.0	5.825	8.030	5.601	3.884
60.0	2.826	3.451	2.957	1.727
63.0	1.209	1.561	1.181	0.7142
66.0	0.5047	0.6490	0.4937	0.5950
69.0	0.4040	0.3852	0.3627	0.5118
72.0	0.2375	0.2606	0.2729	0.3898
75.0	0.0656	0.1818	0.1575	0.1356
78.0	0.0656	0.0853	0.1341	0.1290
81.0	0.0656	0.0787	0.1162	0.1251
84.0	0.0656	0.0743	0.1095	0.1224
87.0	0.0634	0.0722	0.1028	0.1203
90.0	0.0634	0.0722	0.1028	0.1159

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: