

---

LED Downlight SENSE Series LE-  
S125R1-18W-940-N

---



Light Output Ratio:	100.0%	
Luminaire Power:	19.3 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: 2017-07-18

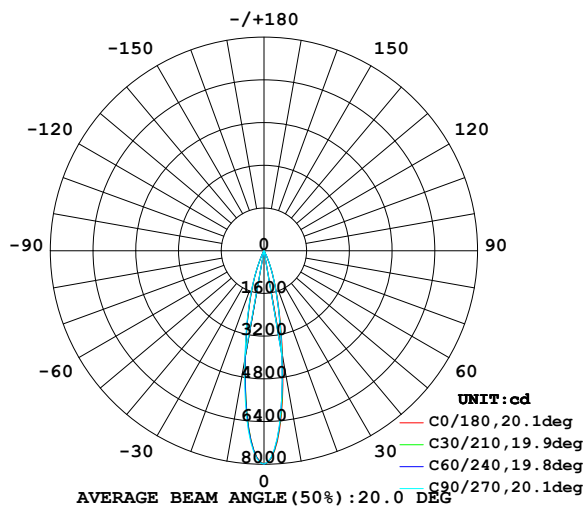
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

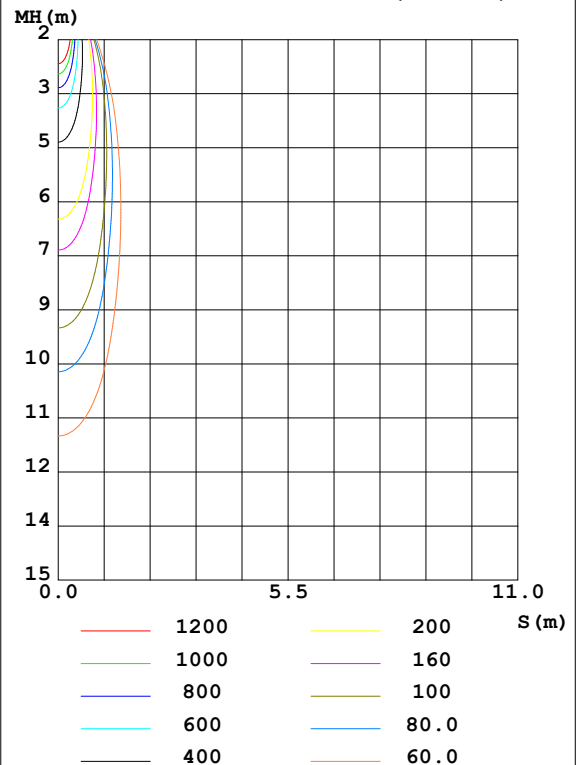
Test:U:220.7V I:0.0929A P:19.30W PF:0.9409 Lamp Flux:1344.07x1 lm		
NAME: S125R1-18W-940-N	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: $\phi$ 135mm*H157mm	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 69.65 lm/W			
MODEL	CITIZEN-4000K	I <sub>max</sub> (cd)	7991	S/MH (C0/180)	0.35
NOMINAL POWER (W)	21	LOR (%)	100.0	S/MH (C90/270)	0.35
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1344.1	$\eta$ UP, DN (C0-180)	0.0, 49.1
NOMINAL FLUX (lm)	1344.07	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.0, 50.9
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



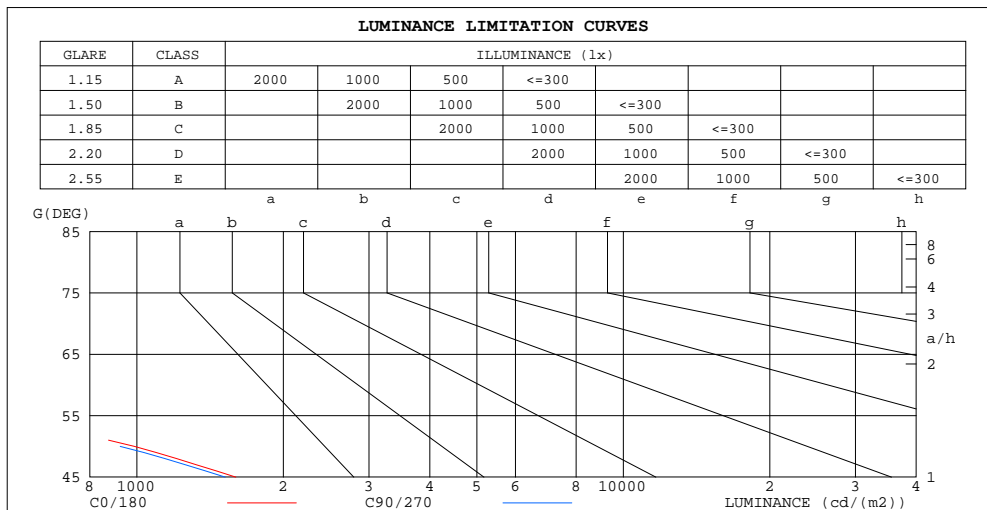
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-07-18

$\gamma$  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	$\Phi$ lum, lamp
10	4014	3919	3848	3994	4038	3977	4162	4187	0- 10	547.0	547.0	40.7,40.7
20	973.8	945.7	930.1	978.1	984.0	957.4	1046	1034	10- 20	589.9	1137	84.6,84.6
30	77.38	75.34	76.49	77.02	74.92	72.58	80.58	80.95	20- 30	162.6	1300	96.7,96.7
40	28.14	26.75	27.26	25.10	24.69	24.83	26.87	27.94	30- 40	28.37	1328	98.8,98.8
50	9.093	8.712	8.501	8.356	7.955	7.872	8.527	9.510	40- 50	12.20	1340	99.7,99.7
60	1.318	1.154	1.044	1.113	0.9921	0.9751	1.036	1.314	50- 60	3.345	1344	100,100
70	0.1947	0.1507	0.1450	0.2642	0.1640	0.1706	0.1354	0.1903	60- 70	0.3948	1344	100,100
80	0.0700	0.0525	0.0590	0.0678	0.0984	0.0984	0.0722	0.0700	70- 80	0.0953	1344	100,100
90	0.0590	0.0525	0.0525	0.0678	0.0765	0.0875	0.0743	0.0678	80- 90	0.0749	1344	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	49	42
80	28	24
75	21	16
70	40	30
65	43	47
60	184	146
55	439	380
50	989	924
45	1598	1519

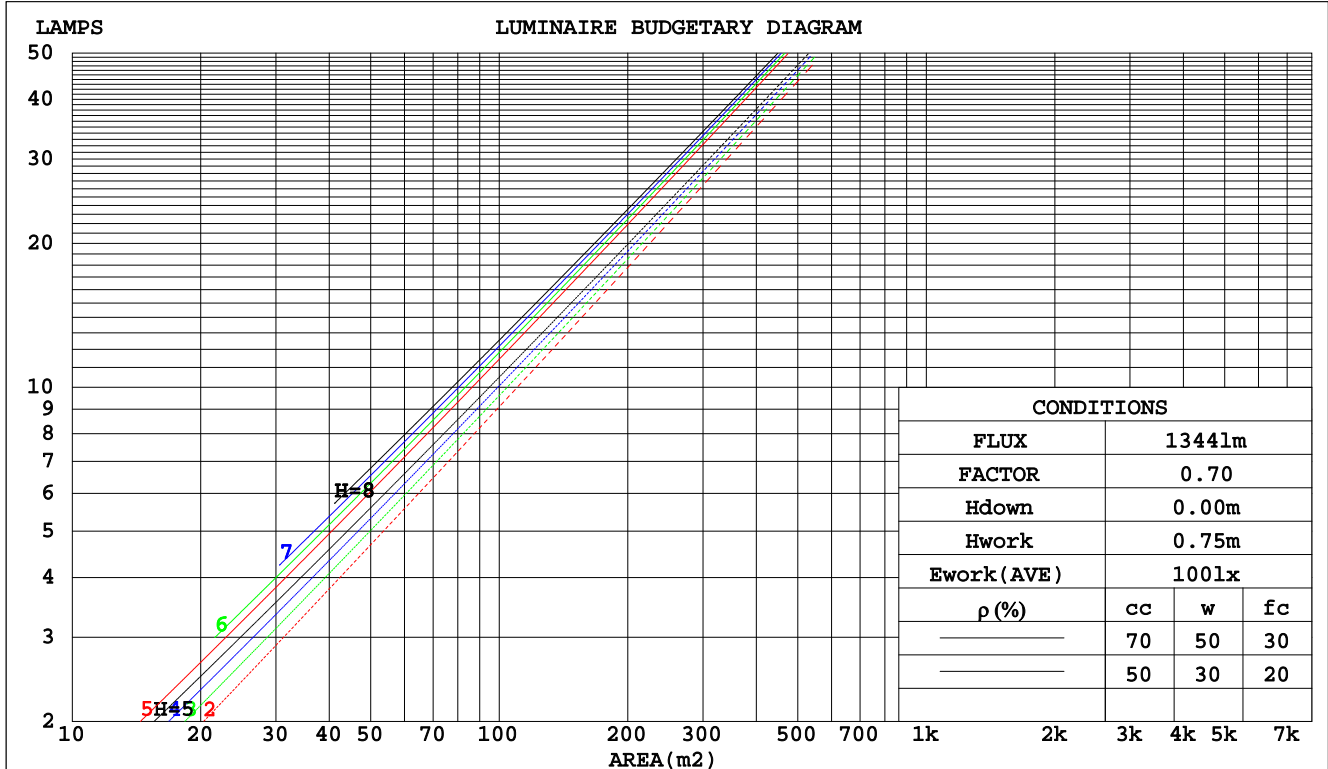
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-07-18

$\gamma$  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:0.0929A P:19.30W PF:0.9409 Lamp Flux:1344.07x1 lm		
NAME: S125R1-18W-940-N	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: $\phi$ 135mm*H157mm	
MFR.:		

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	1.13	1.11	1.10	1.11	1.09	1.08	1.07	1.06	1.05	1.03	1.03	1.02	1.00	.99	.99	.97
2.0	1.08	1.05	1.03	1.07	1.04	1.02	1.04	1.01	.00	1.01	.99	.98	.98	.97	.96	.94
3.0	1.04	1.01	.98	1.03	.00	.97	1.00	.98	.96	.98	.96	.94	.96	.94	.93	.91
4.0	1.00	.97	.94	.99	.96	.93	.97	.94	.92	.95	.93	.91	.94	.92	.90	.89
5.0	.97	.93	.90	.96	.92	.90	.94	.91	.89	.93	.90	.88	.92	.89	.88	.87
6.0	.94	.90	.87	.93	.90	.87	.92	.89	.86	.91	.88	.86	.90	.87	.85	.84
7.0	.91	.87	.85	.91	.87	.84	.90	.86	.84	.89	.86	.84	.88	.85	.83	.82
8.0	.89	.85	.82	.88	.85	.82	.87	.84	.82	.86	.84	.81	.86	.83	.81	.80
9.0	.86	.83	.80	.86	.82	.80	.85	.82	.80	.85	.82	.79	.84	.81	.79	.78
10.0	.84	.81	.78	.84	.80	.78	.83	.80	.78	.83	.80	.78	.82	.79	.77	.77



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-07-18

$\gamma$  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:

## WEC AND CCEC

Test:U:220.7V I:0.0929A P:19.30W PF:0.9409 Lamp Flux:1344.07x1 lm		
NAME: S125R1-18W-940-N	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: $\phi$ 135mm*H157mm	
MFR.:		

$\rho_{cc}$	80%			70%			50%			30%			10%			0	
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
$\rho_{fc}$	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.131	.075	.024	.124	.071	.023	.112	.064	.021	.101	.058	.019	.090	.052	.017		
2.0	.121	.066	.020	.115	.064	.020	.105	.059	.018	.096	.054	.017	.087	.049	.016		
3.0	.112	.060	.018	.108	.058	.017	.099	.054	.016	.091	.050	.015	.084	.047	.014		
4.0	.105	.054	.016	.101	.053	.016	.094	.050	.015	.087	.047	.014	.081	.044	.013		
5.0	.099	.050	.015	.095	.049	.014	.089	.047	.014	.084	.044	.013	.078	.042	.013		
6.0	.093	.047	.013	.090	.046	.013	.085	.044	.013	.080	.042	.012	.076	.040	.012		
7.0	.088	.044	.012	.086	.043	.012	.081	.041	.012	.077	.040	.012	.073	.038	.011		
8.0	.084	.041	.012	.082	.040	.011	.078	.039	.011	.074	.038	.011	.071	.036	.011		
9.0	.080	.039	.011	.078	.038	.011	.075	.037	.010	.072	.036	.010	.069	.035	.010		
10.0	.077	.037	.010	.075	.036	.010	.072	.035	.010	.069	.034	.010	.066	.033	.010		

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	.168	.158	.149	.144	.135	.128	.098	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.149	.133	.119	.128	.114	.103	.088	.079	.072	.051	.046	.042	.016	.015	.014	
3.0	.134	.113	.097	.115	.098	.084	.079	.068	.059	.046	.040	.035	.015	.013	.011	
4.0	.121	.098	.080	.104	.084	.069	.072	.059	.049	.041	.034	.029	.013	.011	.009	
5.0	.111	.085	.067	.095	.074	.058	.065	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.101	.075	.056	.087	.065	.049	.060	.046	.035	.035	.027	.021	.011	.009	.007	
7.0	.094	.067	.048	.081	.058	.042	.056	.041	.030	.032	.024	.018	.010	.008	.006	
8.0	.087	.060	.042	.075	.052	.036	.052	.037	.026	.030	.022	.015	.010	.007	.005	
9.0	.081	.054	.036	.070	.047	.032	.049	.033	.022	.028	.020	.013	.009	.006	.004	
10.0	.076	.050	.032	.066	.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:2017-07-18

$\gamma$  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:

UGR(Unified Glare Rating) Table

Test:U:220.7V I:0.0929A P:19.30W PF:0.9409 Lamp Flux:1344.07x1 lm										
NAME: S125R1-18W-940-N					TYPE:Downlight			SERIAL No.:		
SPEC.:4000K					DIM.: $\phi$ 135mm*H157mm					
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	1.7	2.3	1.9	2.5	2.6	1.5	2.1	1.7	2.2	2.4
3H	1.6	2.1	1.8	2.3	2.5	1.3	1.9	1.5	2.1	2.3
4H	1.5	2.0	1.7	2.2	2.4	1.2	1.8	1.5	2.0	2.2
6H	1.4	1.9	1.7	2.1	2.4	1.2	1.7	1.4	1.9	2.1
8H	1.4	1.9	1.6	2.1	2.3	1.1	1.6	1.4	1.9	2.1
12H	1.3	1.8	1.6	2.0	2.3	1.1	1.5	1.4	1.8	2.1
4H 2H	1.5	2.0	1.8	2.3	2.5	1.3	1.8	1.5	2.0	2.2
3H	1.3	1.8	1.6	2.1	2.3	1.1	1.6	1.4	1.8	2.1
4H	1.2	1.7	1.6	2.0	2.3	1.0	1.4	1.3	1.7	2.0
6H	1.1	1.5	1.5	1.9	2.2	0.9	1.3	1.3	1.6	2.0
8H	1.1	1.4	1.5	1.8	2.2	0.8	1.2	1.2	1.6	1.9
12H	1.0	1.4	1.4	1.7	2.1	0.8	1.1	1.2	1.5	1.9
8H 4H	1.1	1.4	1.5	1.8	2.2	0.8	1.2	1.2	1.6	1.9
6H	1.0	1.3	1.4	1.7	2.1	0.7	1.0	1.1	1.4	1.8
8H	0.9	1.2	1.3	1.6	2.0	0.7	0.9	1.1	1.3	1.8
12H	0.8	1.1	1.3	1.5	2.0	0.6	0.8	1.1	1.3	1.7
12H 4H	1.0	1.4	1.4	1.7	2.1	0.8	1.1	1.2	1.5	1.9
6H	0.9	1.2	1.3	1.6	2.0	0.7	0.9	1.1	1.3	1.8
8H	0.8	1.1	1.3	1.5	2.0	0.6	0.8	1.1	1.3	1.7
Variations with the observer position at spacings:										
S = 1.0H	+ 2.6 / - 9.2					+ 2.8 / -10.1				
1.5H	+ 3.8 / - 6.9					+ 4.1 / - 7.0				
2.0H	+ 5.6 / -14.7					+ 5.7 / -14.1				

CIE Pub.117 Corrected 1344 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.0)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-07-18

$\gamma$  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:

## UTILIZATION FACTORS TABLE

Test:U:220.7V I:0.0929A P:19.30W PF:0.9409 Lamp Flux:1344.07x1 lm		
NAME: S125R1-18W-940-N	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: $\phi 135\text{mm} \times H157\text{mm}$	
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) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	82	90	85	82	90	85	81	78
0.80	98	93	89	97	92	89	96	92	89	85
1.00	102	97	93	101	96	93	99	96	93	89
1.25	105	101	97	104	100	97	102	99	96	92
1.50	108	103	100	106	103	100	104	101	99	95
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	107	104	107	104	102	97
3.00	113	110	107	111	108	106	108	106	104	98
4.00	115	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:2017-07-18

$\gamma$  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:0.0929A P:19.30W PF:0.9409 Lamp Flux:1344.07x1 lm		
NAME: S125R1-18W-940-N	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: $\phi$ 135mm*H157mm	
MFR.:		

Conical surface Flux(90deg):

1335.4 lm

%lum = 99.4%

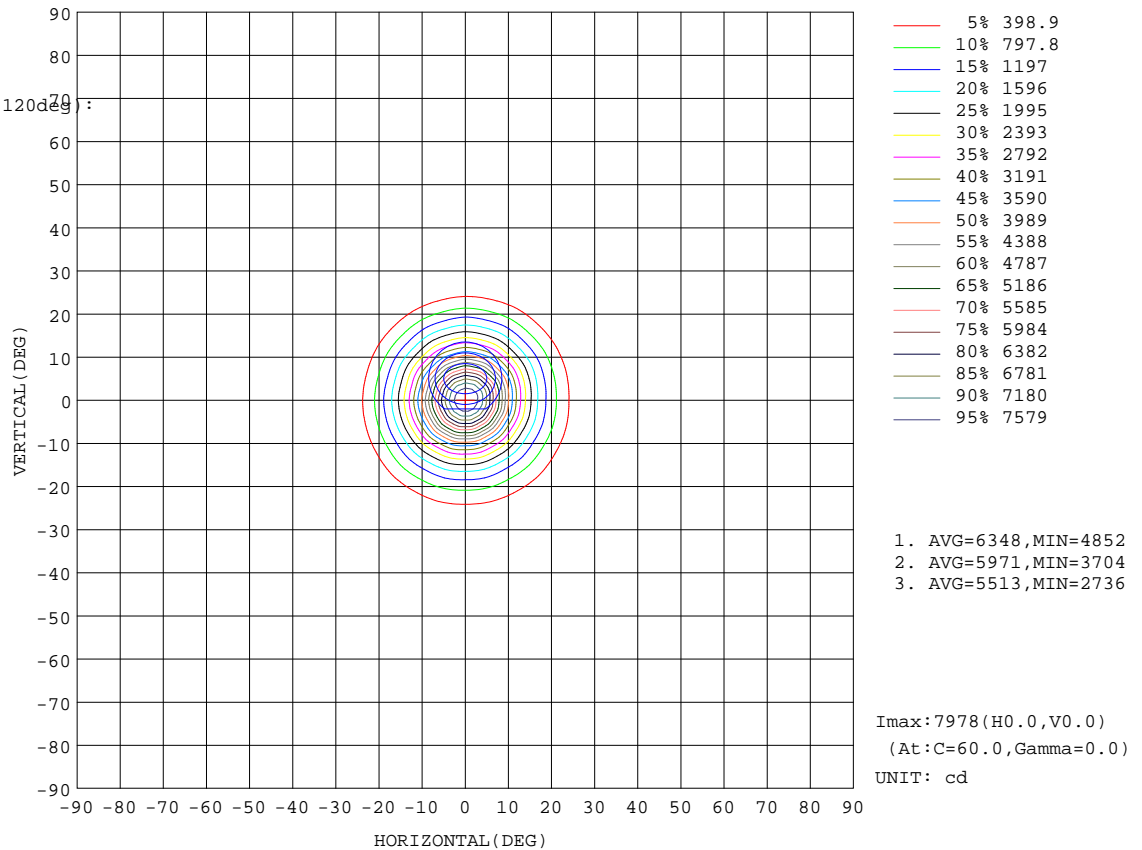
%lamp = 99.4%

Conical surface Flux(120deg):

1343.5 lm

%lum = 100.0%

%lamp = 100.0%



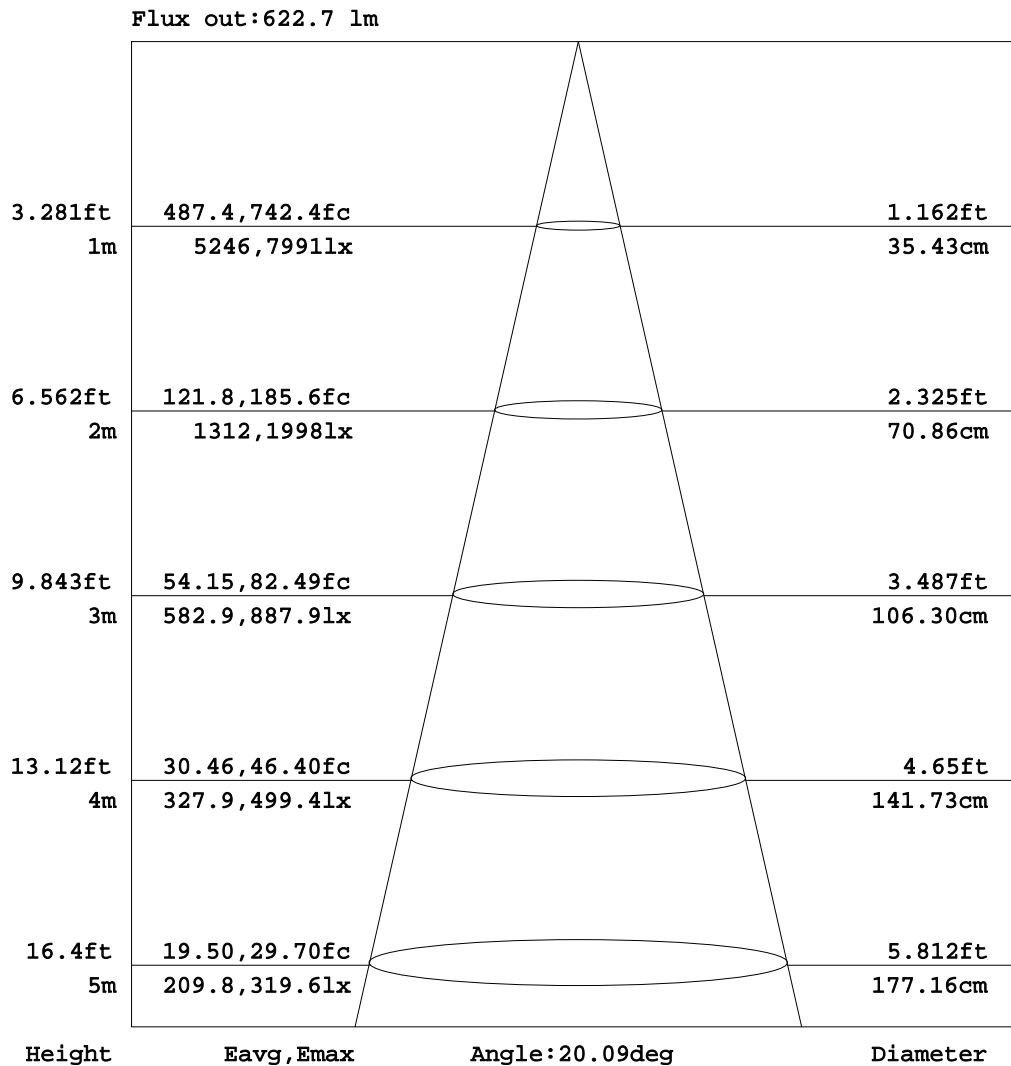
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-07-18

$\gamma$  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:



## AAI Figure

Test:U:220.7V I:0.0929A P:19.30W PF:0.9409 Lamp Flux:1344.07x1 lm		
NAME: S125R1-18W-940-N	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: $\phi$ 135mm*H157mm	
MFR.:		



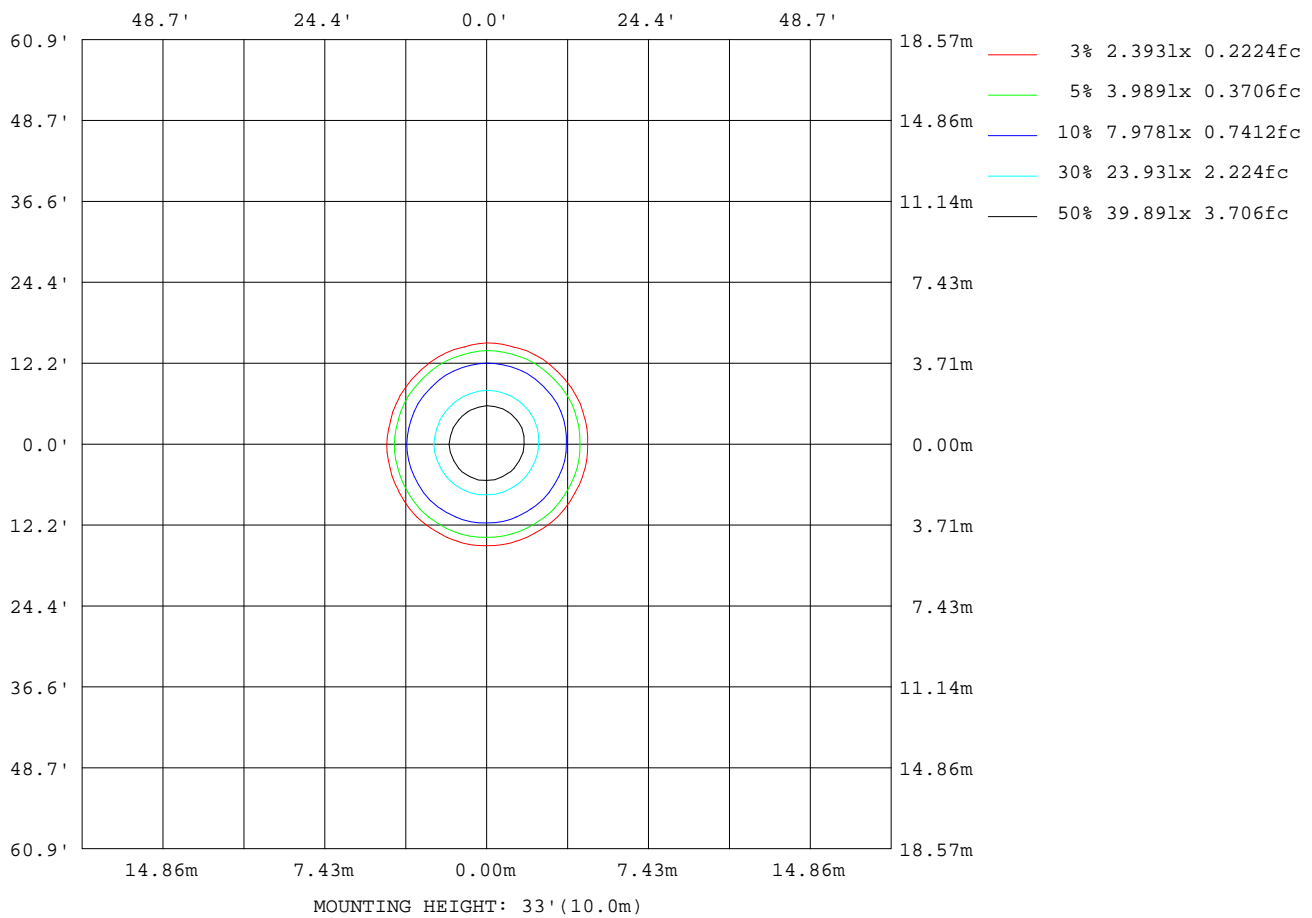
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-07-18

$\gamma$  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:

## ISOLUX DIAGRAM

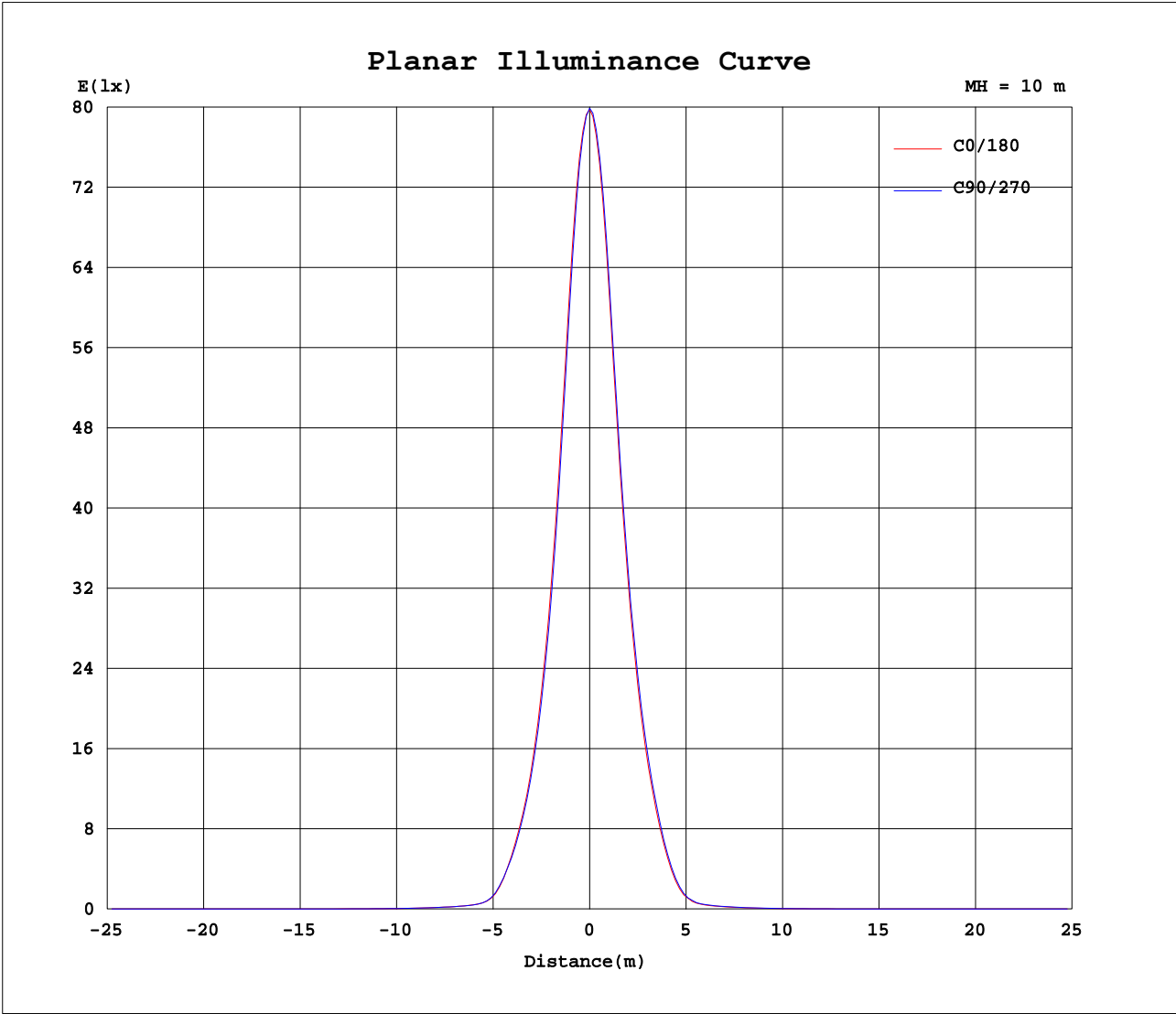
Test:U:220.7V I:0.0929A P:19.30W PF:0.9409 Lamp Flux:1344.07x1 lm		
NAME: S125R1-18W-940-N	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: $\phi$ 135mm*H157mm	
MFR.:		



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-07-18

$\gamma$  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:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-07-18

$\gamma$  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:220.7V I:0.0929A P:19.30W PF:0.9409 Lamp Flux:1344.07x1 lm		
NAME: S125R1-18W-940-N	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ135mm*H157mm	
MFR.:		

UNIT: cd

[illegible]

```

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:220.7V I:0.0929A P:19.30W PF:0.9409 Lamp Flux:1344.07x1 lm		
NAME: S125R1-18W-940-N	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: φ135mm*H157mm	
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: 2017-07-18

```

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	7978	7983	7988	7988	7991	7989	7988	7989	7986	7988
3.0	7523	7549	7493	7515	7462	7490	7441	7470	7419	7449
6.0	6220	6250	6135	6167	6069	6132	6059	6126	6061	6127
9.0	4530	4541	4412	4449	4350	4422	4361	4457	4413	4499
12.0	3110	3100	2997	3015	2952	3006	2974	3053	3038	3120
15.0	2064	2059	1990	2002	1962	1997	1972	2028	2018	2084
18.0	1330	1341	1283	1308	1265	1304	1276	1322	1301	1356
21.0	819.6	816.2	785.1	795.5	771.5	790.5	777.9	801.6	794.4	819.3
24.0	403.2	417.6	406.2	421.8	410.0	419.7	413.2	424.1	403.5	403.5
27.0	153.6	158.5	153.4	161.6	155.6	164.9	161.9	167.5	157.1	158.5
30.0	77.38	76.97	75.38	75.34	72.93	75.97	76.49	78.52	76.53	77.02
33.0	54.47	54.54	53.50	52.98	51.24	53.67	53.39	53.42	52.12	51.17
36.0	41.05	40.97	40.67	39.97	38.30	41.15	41.16	40.76	39.55	38.23
39.0	31.18	30.66	30.49	29.87	28.03	31.14	30.42	30.57	29.58	28.11
42.0	22.62	22.42	22.17	21.76	20.00	21.82	21.74	22.00	21.37	20.27
45.0	16.16	16.03	15.91	15.65	14.50	15.41	15.37	15.63	15.35	14.77
48.0	11.55	11.45	11.45	11.19	10.49	11.06	10.93	11.09	11.00	10.67
51.0	7.873	7.728	7.563	7.418	6.979	7.390	7.145	7.311	7.206	7.095
54.0	4.396	4.358	4.093	4.120	3.934	4.015	3.786	3.847	3.729	3.819
57.0	2.505	2.463	2.260	2.235	2.135	2.152	2.093	2.137	2.071	2.148
60.0	1.318	1.285	1.147	1.154	1.081	1.091	1.044	1.076	1.046	1.113
63.0	0.5296	0.5274	0.4528	0.4686	0.4460	0.4797	0.4371	0.4514	0.4523	0.5214
66.0	0.2429	0.2098	0.2144	0.2120	0.2603	0.2753	0.2691	0.2710	0.3019	0.3497
69.0	0.2056	0.1726	0.1794	0.1682	0.1818	0.1745	0.2101	0.2159	0.2212	0.2927
72.0	0.1555	0.1197	0.1097	0.0828	0.0708	0.0481	0.0662	0.0590	0.0905	0.0808
75.0	0.0766	0.0547	0.0634	0.0525	0.0547	0.0459	0.0590	0.0590	0.0809	0.0700
78.0	0.0722	0.0525	0.0591	0.0525	0.0525	0.0459	0.0590	0.0546	0.0787	0.0678
81.0	0.0656	0.0525	0.0547	0.0525	0.0503	0.0459	0.0590	0.0525	0.0743	0.0678
84.0	0.0613	0.0525	0.0547	0.0525	0.0481	0.0459	0.0525	0.0525	0.0700	0.0678
87.0	0.0591	0.0525	0.0525	0.0525	0.0481	0.0459	0.0525	0.0525	0.0678	0.0678
90.0	0.0590	0.0590	0.0525	0.0525	0.0525	0.0459	0.0525	0.0525	0.0634	0.0678
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	7985	7990	7983	7988	7991	7988	7991	7989	7988	7989
3.0	7394	7422	7453	7413	7459	7428	7481	7464	7526	7518
6.0	6051	6090	6139	6061	6131	6072	6165	6132	6253	6246
9.0	4431	4479	4526	4445	4509	4455	4546	4527	4649	4636
12.0	3084	3127	3169	3116	3168	3137	3212	3202	3282	3267
15.0	2064	2104	2140	2100	2152	2128	2196	2179	2245	2219
18.0	1328	1364	1394	1349	1393	1366	1417	1408	1465	1447
21.0	786.7	790.8	804.5	774.6	793.0	776.8	815.4	812.0	856.2	846.3
24.0	373.3	369.8	373.5	350.1	362.8	352.2	375.0	375.1	405.5	403.8
27.0	147.6	154.4	153.1	133.5	146.0	132.7	152.3	144.2	157.5	158.4
30.0	74.30	74.44	74.92	71.92	72.76	72.58	74.76	76.85	80.58	80.61
33.0	49.89	50.93	51.45	50.57	51.71	51.73	52.71	54.30	56.47	57.00
36.0	36.38	37.63	37.98	37.57	38.57	38.13	38.42	40.11	41.47	41.73
39.0	26.40	27.43	27.61	27.20	27.95	27.88	27.52	28.86	30.04	30.43
42.0	19.20	19.85	19.84	19.50	19.91	19.82	19.68	20.56	21.47	21.81
45.0	14.03	14.44	14.35	14.11	14.44	14.31	14.33	14.95	15.37	15.70
48.0	10.04	10.28	10.24	10.11	10.37	10.25	10.29	10.69	11.00	11.10
51.0	6.524	6.535	6.588	6.402	6.688	6.552	6.698	6.998	7.272	7.282
54.0	3.649	3.553	3.667	3.633	3.710	3.652	3.836	3.866	4.089	4.062
57.0	2.043	1.938	2.014	1.983	2.005	2.011	2.073	2.077	2.153	2.153
60.0	1.026	0.9316	0.9921	0.9575	0.9460	0.9751	1.020	1.010	1.036	1.047
63.0	0.4653	0.3839	0.4095	0.3666	0.3375	0.3623	0.4028	0.3929	0.4093	0.4104
66.0	0.3303	0.2579	0.2010	0.1862	0.1836	0.2034	0.1989	0.2034	0.1792	0.1881
69.0	0.2779	0.2405	0.1683	0.1487	0.1485	0.1816	0.1725	0.1772	0.1485	0.1553
72.0	0.0741	0.1025	0.1373	0.1204	0.0896	0.1335	0.1178	0.1292	0.1068	0.1226
75.0	0.0722	0.0787	0.0984	0.1164	0.0831	0.1050	0.0831	0.0940	0.0722	0.0722
78.0	0.0722	0.0744	0.0984	0.1125	0.0831	0.1006	0.0831	0.0919	0.0722	0.0700
81.0	0.0722	0.0721	0.0984	0.1085	0.0787	0.0962	0.0831	0.0875	0.0722	0.0700
84.0	0.0722	0.0700	0.0961	0.1046	0.0787	0.0896	0.0831	0.0875	0.0722	0.0700
87.0	0.0722	0.0700	0.0853	0.1006	0.0787	0.0875	0.0831	0.0809	0.0743	0.0700
90.0	0.0700	0.0700	0.0765	0.0787	0.0765	0.0875	0.0831	0.0787	0.0743	0.0700
G/C	300.0	315.0	330.0	345.0						
0.0	7986	7988	7985	7990						
3.0	7578	7565	7619	7592						
6.0	6355	6328	6410	6345						
9.0	4735	4693	4763	4669						
12.0	3338	3286	3319	3230						
15.0	2271	2219	2232	2150						
18.0	1483	1440	1447	1389						
21.0	875.6	852.2	875.1	848.3						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: Meng Yongjian

Test Date: 2017-07-18

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	426.3	413.9	432.4	427.4
27.0	168.0	164.4	169.9	162.0
30.0	83.37	80.95	81.09	79.85
33.0	57.62	56.31	54.71	54.98
36.0	42.96	41.84	40.20	41.33
39.0	31.86	31.18	29.97	31.24
42.0	22.79	22.38	21.85	22.95
45.0	16.34	16.21	16.09	16.59
48.0	11.79	11.90	11.77	11.91
51.0	8.039	8.277	8.077	8.099
54.0	4.508	4.690	4.735	4.595
57.0	2.420	2.554	2.638	2.608
60.0	1.241	1.314	1.374	1.391
63.0	0.5359	0.5769	0.5882	0.5793
66.0	0.2337	0.2648	0.2490	0.2538
69.0	0.1813	0.2035	0.1966	0.2100
72.0	0.1352	0.1532	0.1460	0.1577
75.0	0.0678	0.0722	0.0678	0.0722
78.0	0.0678	0.0700	0.0678	0.0700
81.0	0.0678	0.0700	0.0656	0.0700
84.0	0.0678	0.0700	0.0656	0.0700
87.0	0.0678	0.0678	0.0678	0.0656
90.0	0.0700	0.0678	0.0678	0.0656

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-07-18

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: