

---

**LED Downlight SENSE Series LE-S150R1-25W-930-M**

---

Light Output Ratio:	100.0%	
Luminaire Power:	27.62 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.60	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

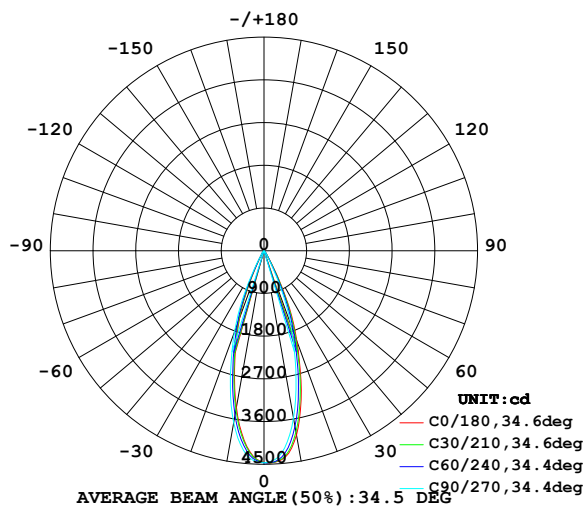
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

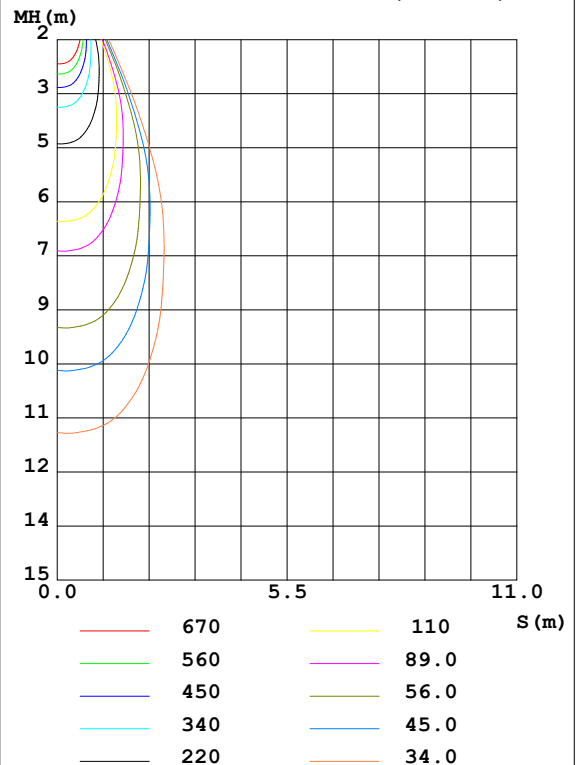
Test:U:220.7V I:0.1311A P:27.62W PF:0.9541 Lamp Flux:1621.14x1 lm		
NAME: S150R1-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*H188mm	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 58.69 lm/W			
MODEL	CITIZEN-3000K	I <sub>max</sub> (cd)	4497	S/MH (C0/180)	0.52
NOMINAL POWER (W)	28	LOR (%)	100.0	S/MH (C90/270)	0.58
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1621.1	$\eta$ UP, DN (C0-180)	0.0, 49.5
NOMINAL FLUX (lm)	1621.14	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.0, 50.5
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)



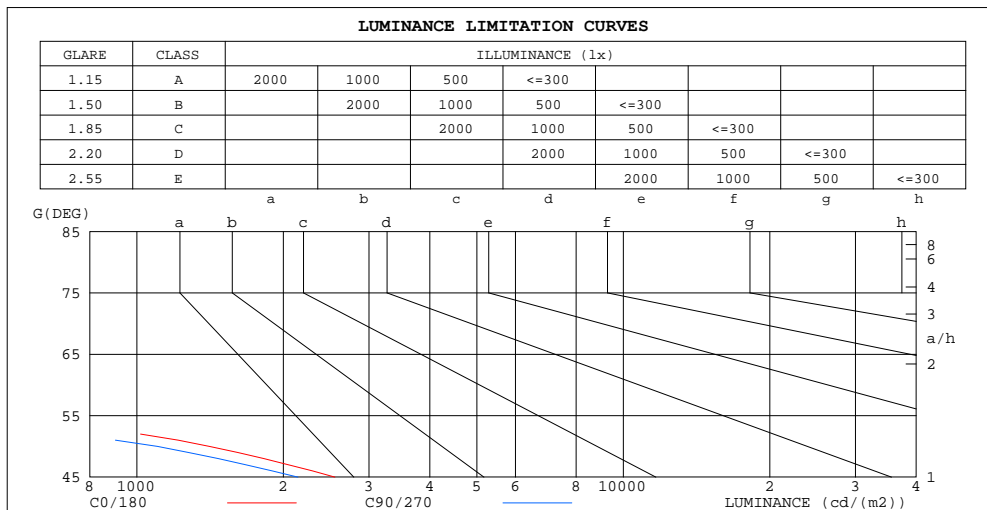
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-06-17

$\gamma$  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:

## 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	3941	3837	3581	3383	3355	3433	3682	3882	0- 10	388.3	388.3	23.9,23.9
20	2026	1913	1663	1510	1501	1591	1814	1992	10- 20	733.0	1121	69.2,69.2
30	337.6	296.6	210.8	175.5	180.9	204.3	250.5	314.2	20- 30	395.1	1516	93.5,93.5
40	64.25	66.57	55.43	55.99	51.32	56.66	58.22	66.45	30- 40	71.42	1588	97.9,97.9
50	18.66	18.64	14.60	13.98	13.01	14.72	16.16	20.24	40- 50	27.46	1615	99.6,99.6
60	1.398	1.299	0.9378	1.012	1.020	1.024	1.404	1.609	50- 60	5.203	1620	100,100
70	0.2363	0.2009	0.2057	0.1985	0.2309	0.2738	0.2791	0.3043	60- 70	0.4680	1621	100,100
80	0.1247	0.1415	0.1295	0.1537	0.0722	0.0809	0.0634	0.0918	70- 80	0.1370	1621	100,100
90	0.1356	0.1334	0.1268	0.1334	0.0743	0.0678	0.0612	0.0743	80- 90	0.1122	1621	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	69	71
80	35	36
75	25	25
70	34	29
65	35	31
60	136	91
55	440	338
50	1409	1102
45	2553	2142

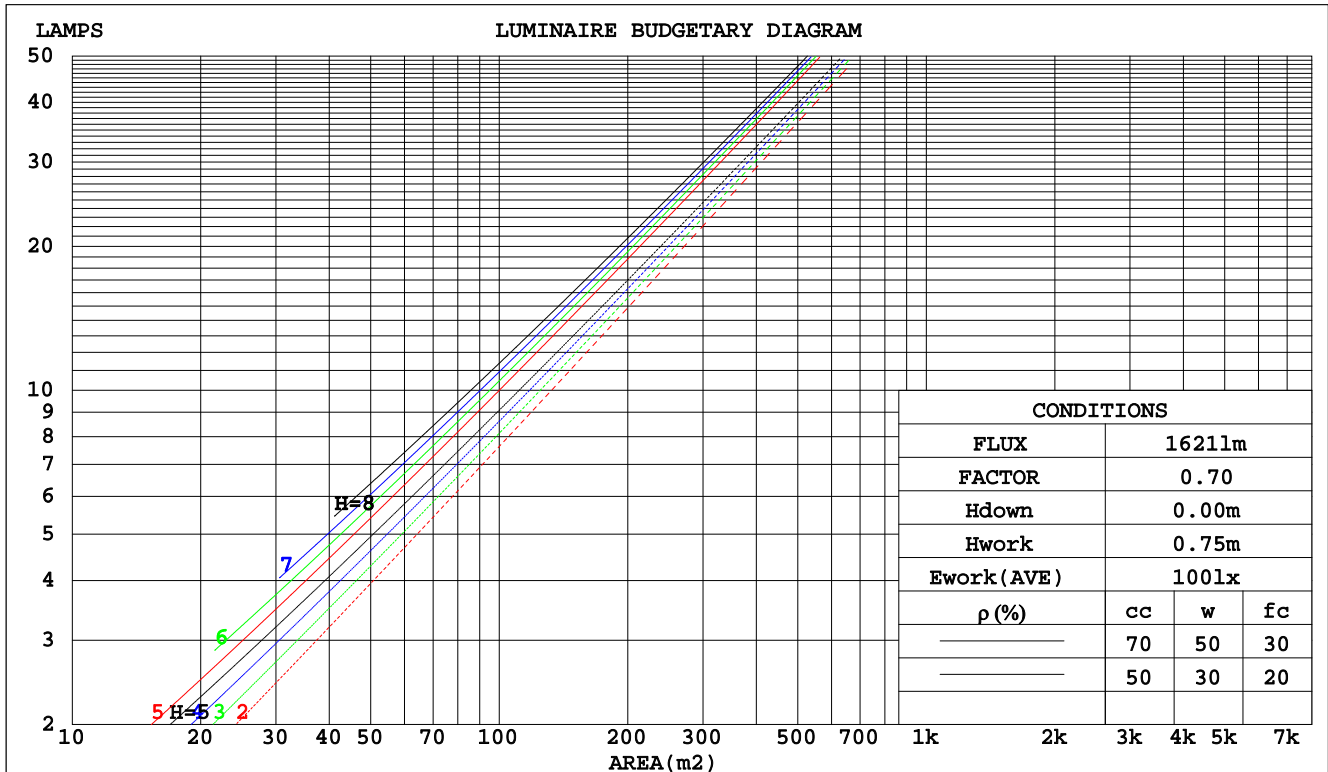
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-06-17

$\gamma$  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:220.7V I:0.1311A P:27.62W PF:0.9541 Lamp Flux:1621.14x1 lm		
NAME: S150R1-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*H188mm	
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						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	1.03	1.01	1.00	.99	.98	.98	.96
2.0	1.06	1.03	1.01	1.05	1.02	.99	1.02	.99	.97	.99	.97	.95	.96	.95	.93	.92
3.0	1.01	.97	.94	.90	.96	.93	.97	.94	.92	.95	.93	.91	.93	.91	.89	.88
4.0	.97	.92	.89	.96	.92	.88	.94	.90	.87	.92	.89	.86	.90	.88	.86	.84
5.0	.92	.88	.85	.92	.87	.84	.90	.86	.83	.88	.85	.83	.87	.84	.82	.81
6.0	.89	.84	.81	.88	.84	.80	.87	.83	.80	.85	.82	.79	.84	.81	.79	.78
7.0	.85	.80	.77	.85	.80	.77	.83	.79	.77	.82	.79	.76	.81	.78	.76	.75
8.0	.82	.77	.74	.81	.77	.74	.80	.76	.74	.80	.76	.73	.79	.75	.73	.72
9.0	.79	.74	.71	.78	.74	.71	.78	.74	.71	.77	.73	.71	.76	.73	.70	.69
10.0	.76	.72	.69	.76	.71	.69	.75	.71	.68	.74	.71	.68	.74	.70	.68	.67



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:

## WEC AND CCEC

Test:U:220.7V I:0.1311A P:27.62W PF:0.9541 Lamp Flux:1621.14x1 lm		
NAME: S150R1-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*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	.147	.084	.027	.141	.080	.025	.128	.074	.023	.117	.067	.022	.106	.062	.020	
2.0	.138	.075	.023	.132	.073	.022	.122	.068	.021	.112	.063	.020	.104	.059	.018	
3.0	.129	.069	.021	.125	.067	.020	.116	.063	.019	.108	.059	.018	.101	.056	.017	
4.0	.122	.063	.019	.118	.062	.018	.111	.059	.018	.104	.056	.017	.098	.053	.016	
5.0	.116	.059	.017	.112	.058	.017	.106	.055	.016	.100	.053	.016	.095	.051	.015	
6.0	.110	.055	.016	.107	.054	.016	.102	.052	.015	.097	.050	.015	.092	.048	.014	
7.0	.105	.052	.015	.102	.051	.015	.098	.049	.014	.093	.048	.014	.089	.046	.014	
8.0	.100	.049	.014	.098	.048	.014	.094	.047	.013	.090	.046	.013	.086	.044	.013	
9.0	.096	.047	.013	.094	.046	.013	.091	.045	.013	.087	.044	.012	.084	.043	.012	
10.0	.093	.044	.012	.091	.044	.012	.087	.043	.012	.084	.042	.012	.081	.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	.117	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.137	.113	.094	.118	.098	.082	.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	.099	.074	.056	.068	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.107	.076	.054	.092	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.100	.068	.046	.086	.059	.040	.059	.041	.028	.035	.024	.017	.011	.008	.006	
8.0	.094	.062	.040	.081	.053	.035	.056	.038	.024	.033	.022	.015	.011	.007	.005	
9.0	.088	.056	.034	.076	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.084	.052	.030	.072	.045	.026	.050	.031	.019	.029	.019	.011	.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

$\gamma$  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:0.1311A P:27.62W PF:0.9541 Lamp Flux:1621.14x1 lm										
NAME: S150R1-25W-930-M					TYPE:Downlight			SERIAL No.:		
SPEC.:3000K					DIM.: $\phi$ 162mm*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	6.5	7.2	6.7	7.4	7.5	5.5	6.3	5.7	6.4	6.6
3H	6.3	7.0	6.6	7.2	7.4	5.4	6.1	5.6	6.2	6.4
4H	6.3	6.9	6.5	7.1	7.3	5.3	5.9	5.6	6.1	6.4
6H	6.2	6.8	6.5	7.0	7.3	5.2	5.8	5.5	6.0	6.3
8H	6.1	6.7	6.4	7.0	7.2	5.2	5.7	5.5	6.0	6.2
12H	6.1	6.6	6.4	6.9	7.2	5.1	5.7	5.4	5.9	6.2
4H 2H	6.3	6.9	6.5	7.1	7.3	5.3	5.9	5.6	6.2	6.4
3H	6.1	6.7	6.4	6.9	7.2	5.1	5.7	5.4	6.0	6.2
4H	6.0	6.5	6.3	6.8	7.1	5.0	5.5	5.4	5.8	6.1
6H	5.9	6.3	6.3	6.7	7.0	4.9	5.4	5.3	5.7	6.1
8H	5.8	6.3	6.2	6.6	7.0	4.9	5.3	5.3	5.7	6.0
12H	5.8	6.2	6.2	6.5	6.9	4.8	5.2	5.2	5.6	6.0
8H 4H	5.8	6.3	6.2	6.6	7.0	4.9	5.3	5.3	5.6	6.0
6H	5.7	6.1	6.2	6.5	6.9	4.8	5.1	5.2	5.5	5.9
8H	5.7	6.0	6.1	6.4	6.8	4.7	5.0	5.2	5.4	5.9
12H	5.6	5.9	6.1	6.3	6.8	4.7	4.9	5.1	5.4	5.8
12H 4H	5.8	6.2	6.2	6.5	6.9	4.8	5.2	5.2	5.6	6.0
6H	5.7	6.0	6.1	6.4	6.8	4.7	5.0	5.2	5.4	5.9
8H	5.6	5.9	6.1	6.3	6.8	4.7	4.9	5.1	5.4	5.8
Variations with the observer position at spacings:										
S = 1.0H	+ 2.7 / -13.3					+ 2.6 / -14.3				
1.5H	+ 4.0 / -10.2					+ 3.7 / -10.1				
2.0H	+ 6.0 / -17.5					+ 6.4 / -16.2				

CIE Pub.117 Corrected 1621 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.7)

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:

## UTILIZATION FACTORS TABLE

Test:U:220.7V I:0.1311A P:27.62W PF:0.9541 Lamp Flux:1621.14x1 lm		
NAME: S150R1-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*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	81	77
0.80	97	92	89	97	92	89	96	91	88	85
1.00	101	96	93	100	96	93	99	95	92	88
1.25	105	100	97	104	100	97	102	98	96	92
1.50	107	103	100	106	102	100	104	101	98	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	108	109	107	106	99
5.00	116	114	112	113	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:220.7V I:0.1311A P:27.62W PF:0.9541 Lamp Flux:1621.14x1 lm		
NAME: S150R1-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*H188mm	
MFR.:		

Conical surface Flux(90deg):

1605.1 lm

%lum = 99.0%

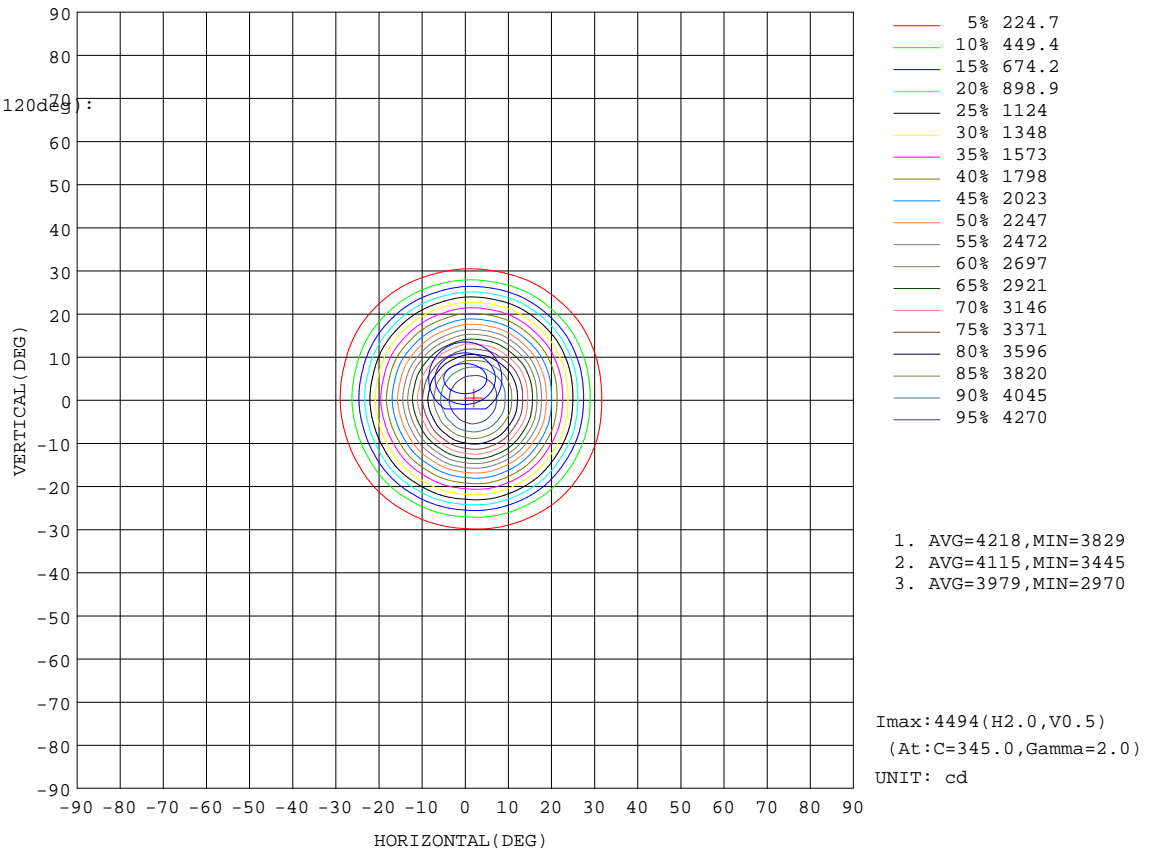
%lamp = 99.0%

Conical surface Flux(120deg):

1620.4 lm

%lum = 100.0%

%lamp = 100.0%



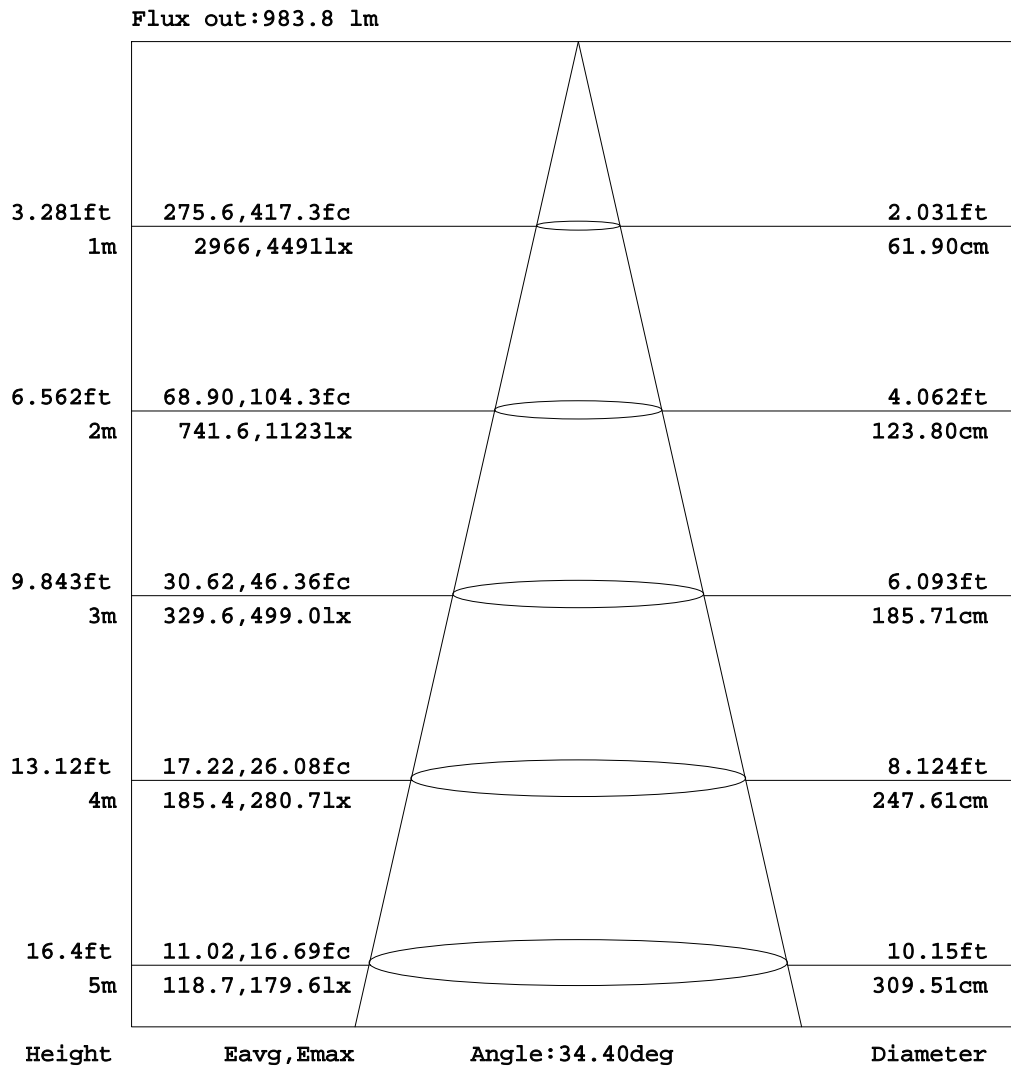
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng Yongjian  
Test Date:2017-06-17

$\gamma$  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:



## AAI Figure

Test:U:220.7V I:0.1311A P:27.62W PF:0.9541 Lamp Flux:1621.14x1 lm		
NAME: S150R1-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*H188mm	
MFR.:		



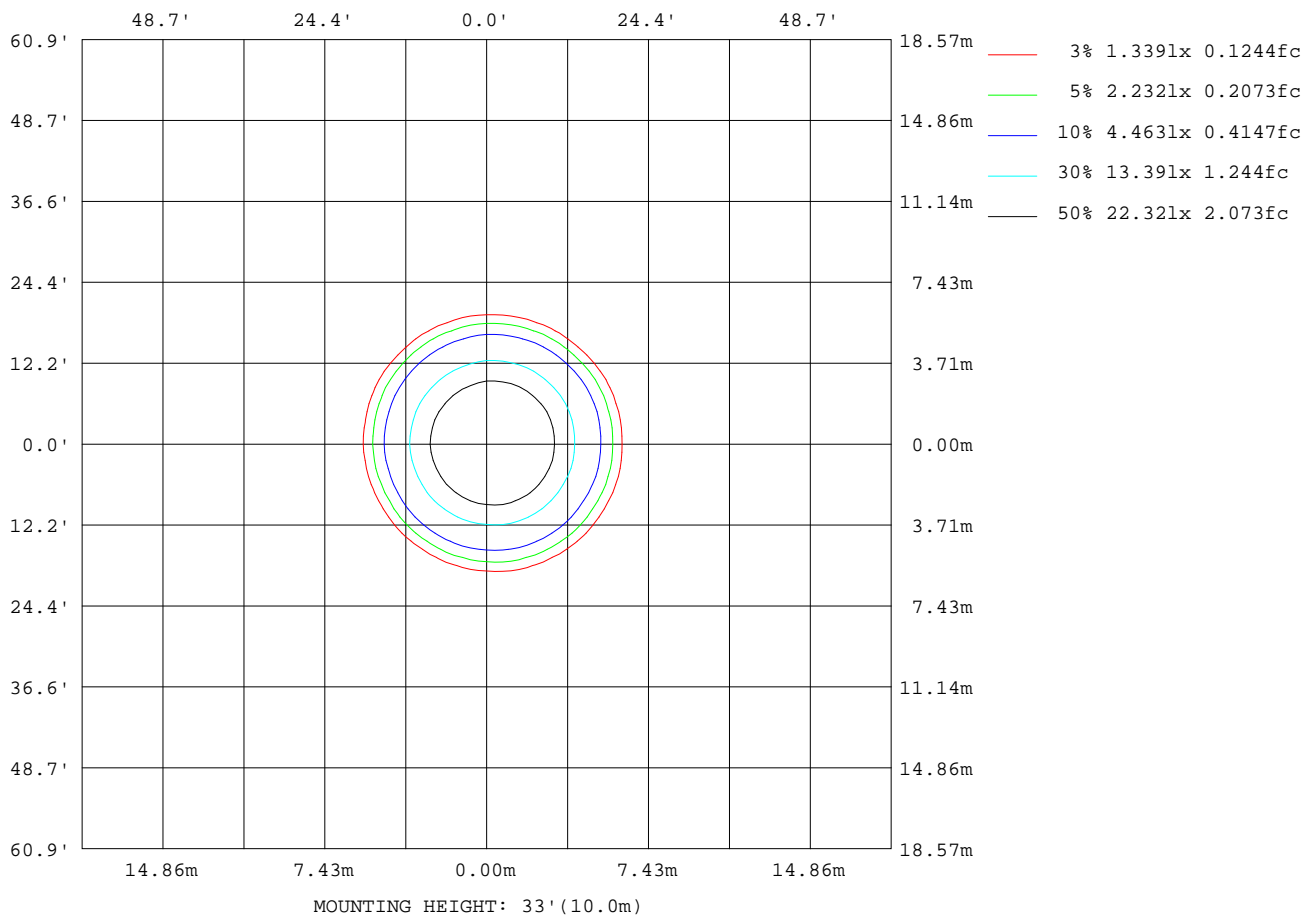
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

$\gamma$  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:

## ISOLUX DIAGRAM

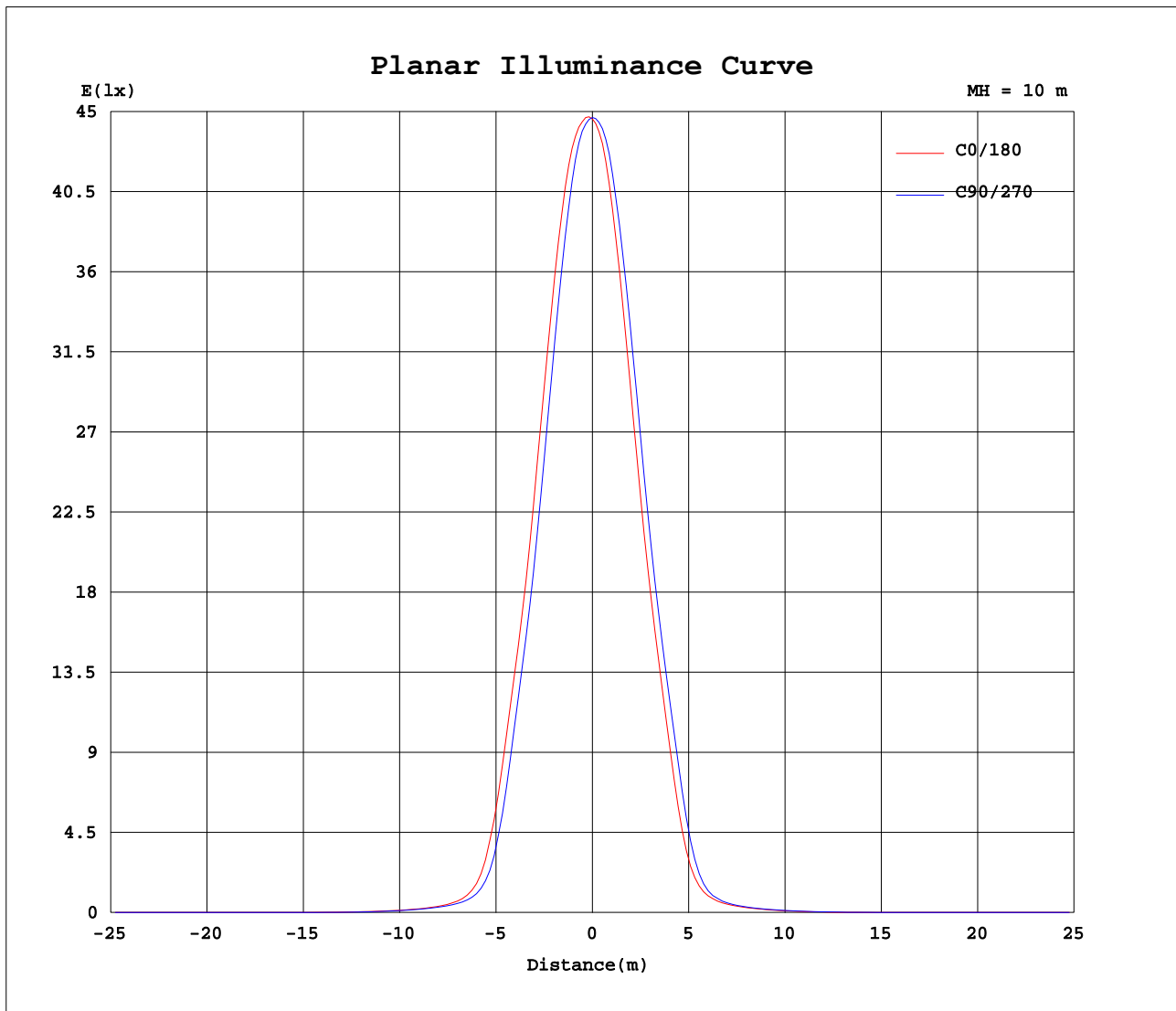
Test:U:220.7V I:0.1311A P:27.62W PF:0.9541 Lamp Flux:1621.14x1 lm		
NAME: S150R1-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 162mm*H188mm	
MFR.:		



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:

## 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:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.1311A P:27.62W PF:0.9541 Lamp Flux:1621.14x1 lm		
NAME: S150R1-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ162mm*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: 2017-06-17

```

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:

```

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.1311A P:27.62W PF:0.9541 Lamp Flux:1621.14x1 lm		
NAME: S150R1-25W-930-M	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ162mm*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: 2017-06-17

```

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]

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	4459	4459	4461	4461	4468	4467	4467	4468	4467	4469
3.0	4460	4464	4456	4448	4447	4433	4408	4391	4367	4357
6.0	4365	4364	4341	4324	4279	4241	4176	4137	4068	4041
9.0	4074	4077	4026	3990	3920	3852	3754	3692	3599	3563
12.0	3615	3611	3541	3499	3411	3328	3206	3127	3030	2990
15.0	3042	3040	2961	2915	2810	2722	2594	2521	2422	2389
18.0	2407	2407	2334	2284	2190	2120	2005	1945	1870	1845
21.0	1847	1846	1776	1739	1664	1599	1489	1431	1361	1339
24.0	1312	1303	1229	1190	1106	1037	927.3	877.5	802.5	781.2
27.0	738.0	729.8	669.1	637.4	583.6	522.4	451.2	416.9	371.7	360.5
30.0	337.6	338.6	311.6	296.6	264.7	242.4	210.8	195.7	178.9	175.5
33.0	166.1	169.3	161.3	155.5	143.8	137.4	120.5	114.6	110.1	108.3
36.0	102.6	105.0	103.5	101.5	96.56	91.66	83.00	82.05	82.35	80.92
39.0	71.32	74.11	74.14	73.83	70.63	68.45	61.30	61.77	62.08	61.46
42.0	51.75	53.59	54.79	54.45	52.58	51.00	45.21	46.04	47.03	46.36
45.0	37.19	38.78	39.99	39.14	37.56	35.83	31.21	32.21	32.60	32.25
48.0	25.14	26.41	26.12	25.58	24.78	23.30	20.26	20.83	20.63	20.15
51.0	15.77	15.98	16.08	15.68	15.03	13.94	11.72	11.65	10.26	10.03
54.0	6.520	6.606	6.338	6.200	5.711	5.473	5.010	4.864	4.604	4.624
57.0	3.241	3.269	3.108	3.062	2.803	2.677	2.419	2.361	2.287	2.357
60.0	1.398	1.393	1.323	1.299	1.159	1.075	0.9378	0.9506	0.9375	1.012
63.0	0.4204	0.4033	0.3765	0.3689	0.3453	0.2971	0.3224	0.3212	0.4224	0.4962
66.0	0.2845	0.2579	0.2931	0.2535	0.2779	0.2403	0.2560	0.2557	0.3436	0.4261
69.0	0.2516	0.2229	0.2516	0.2163	0.2276	0.2010	0.2231	0.2097	0.2342	0.2510
72.0	0.1818	0.1680	0.1862	0.1710	0.1406	0.1596	0.1383	0.1771	0.1404	0.1896
75.0	0.1313	0.1308	0.1443	0.1599	0.1342	0.1539	0.1356	0.1611	0.1358	0.1761
78.0	0.1273	0.1303	0.1400	0.1489	0.1307	0.1482	0.1304	0.1450	0.1312	0.1627
81.0	0.1243	0.1297	0.1356	0.1378	0.1285	0.1426	0.1290	0.1373	0.1285	0.1492
84.0	0.1234	0.1292	0.1323	0.1268	0.1276	0.1369	0.1277	0.1336	0.1276	0.1358
87.0	0.1224	0.1312	0.1312	0.1268	0.1268	0.1312	0.1268	0.1356	0.1268	0.1268
90.0	0.1356	0.1377	0.1312	0.1334	0.1312	0.1312	0.1268	0.1377	0.1356	0.1334
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	4467	4471	4459	4459	4461	4461	4468	4467	4467	4468
3.0	4337	4341	4337	4334	4352	4360	4383	4399	4421	4437
6.0	3996	4001	4013	4006	4047	4063	4120	4157	4215	4260
9.0	3509	3515	3539	3534	3587	3614	3694	3743	3835	3901
12.0	2924	2926	2968	2959	3019	3055	3136	3203	3329	3400
15.0	2328	2329	2374	2367	2428	2460	2538	2606	2738	2813
18.0	1800	1803	1842	1845	1900	1924	1984	2049	2166	2228
21.0	1285	1290	1327	1326	1386	1420	1480	1540	1643	1700
24.0	734.1	740.2	782.1	783.7	844.3	874.9	946.2	1004	1108	1164
27.0	337.2	345.4	367.4	372.6	408.4	426.6	467.3	515.2	570.4	622.1
30.0	167.2	171.2	180.9	183.9	198.0	204.3	217.3	226.7	250.5	263.6
33.0	106.5	106.7	108.9	109.9	116.2	119.0	127.2	125.8	135.2	133.6
36.0	78.88	78.26	76.99	77.51	81.63	83.87	86.54	87.80	87.51	88.57
39.0	60.56	59.68	57.02	57.85	60.89	62.36	65.19	65.70	64.36	65.44
42.0	45.05	43.84	41.47	41.84	45.10	46.42	48.32	48.74	47.92	48.82
45.0	30.68	29.74	28.57	28.63	31.08	32.05	33.72	34.27	34.61	35.38
48.0	19.45	18.81	18.34	18.44	19.85	20.56	21.74	22.12	22.51	23.59
51.0	8.497	9.299	9.680	9.723	11.42	11.94	12.82	13.23	13.52	14.72
54.0	4.467	4.508	4.650	4.614	4.818	4.919	5.261	5.449	5.935	6.187
57.0	2.296	2.287	2.360	2.312	2.395	2.428	2.669	2.785	3.049	3.162
60.0	0.9527	0.9749	1.020	0.9778	1.031	1.024	1.148	1.221	1.404	1.473
63.0	0.5228	0.5181	0.5158	0.5423	0.4787	0.4750	0.4481	0.4713	0.4892	0.5205
66.0	0.4769	0.4699	0.4633	0.4769	0.4305	0.4484	0.4283	0.4396	0.4108	0.4178
69.0	0.3200	0.3379	0.3161	0.3284	0.3228	0.3437	0.3381	0.3502	0.3317	0.3413
72.0	0.1382	0.1225	0.0743	0.0948	0.0829	0.1058	0.1110	0.1342	0.1413	0.1603
75.0	0.1312	0.1252	0.0743	0.0896	0.0678	0.0875	0.0678	0.0831	0.0634	0.0896
78.0	0.1308	0.1279	0.0722	0.0875	0.0678	0.0810	0.0678	0.0765	0.0634	0.0853
81.0	0.1302	0.1307	0.0722	0.0875	0.0678	0.0787	0.0656	0.0744	0.0634	0.0809
84.0	0.1296	0.1334	0.0722	0.0831	0.0678	0.0765	0.0656	0.0722	0.0634	0.0766
87.0	0.1290	0.1377	0.0722	0.0787	0.0678	0.0743	0.0656	0.0700	0.0612	0.0743
90.0	0.1312	0.1377	0.0743	0.0722	0.0678	0.0678	0.0656	0.0634	0.0612	0.0656
G/C	300.0	315.0	330.0	345.0						
0.0	4467	4469	4467	4471						
3.0	4455	4467	4480	4486						
6.0	4318	4351	4381	4383						
9.0	3980	4030	4092	4105						
12.0	3499	3550	3631	3643						
15.0	2923	2974	3067	3074						
18.0	2325	2371	2441	2444						
21.0	1784	1820	1886	1881						

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	1252	1286	1354	1347
27.0	684.1	714.5	771.6	769.0
30.0	296.7	314.2	347.9	350.4
33.0	146.2	152.6	166.9	171.7
36.0	94.69	98.37	104.2	106.0
39.0	71.08	72.59	75.18	75.90
42.0	53.79	55.19	56.80	57.05
45.0	39.60	40.61	42.23	41.82
48.0	27.01	27.56	29.17	28.60
51.0	16.45	17.02	17.96	17.79
54.0	6.683	6.797	7.001	6.826
57.0	3.436	3.488	3.629	3.462
60.0	1.611	1.609	1.622	1.536
63.0	0.5709	0.5599	0.5684	0.5074
66.0	0.3934	0.3980	0.3628	0.3346
69.0	0.3188	0.3501	0.3013	0.2604
72.0	0.1499	0.1864	0.1676	0.1818
75.0	0.0678	0.1050	0.0852	0.1181
78.0	0.0656	0.0941	0.0765	0.1093
81.0	0.0656	0.0875	0.0722	0.1028
84.0	0.0656	0.0875	0.0743	0.1002
87.0	0.0656	0.0875	0.0700	0.0984
90.0	0.0656	0.0743	0.0700	0.0984

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: