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LED Tracklight BO Series LE-BO  
S-15W-930-12D

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Light Output Ratio:	100.0%	
Luminaire Power:	14.59 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	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:2017-08-01

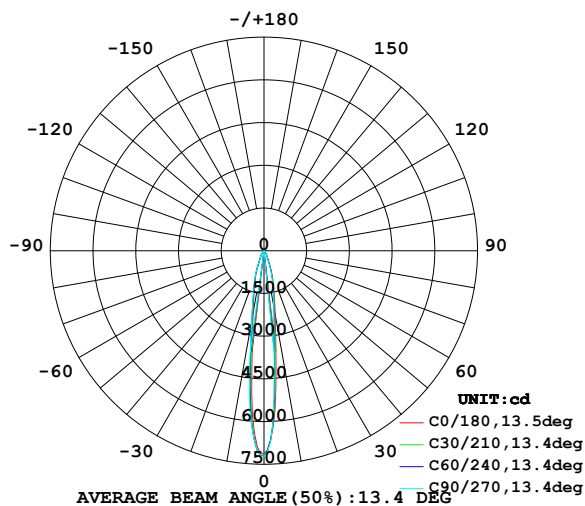
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

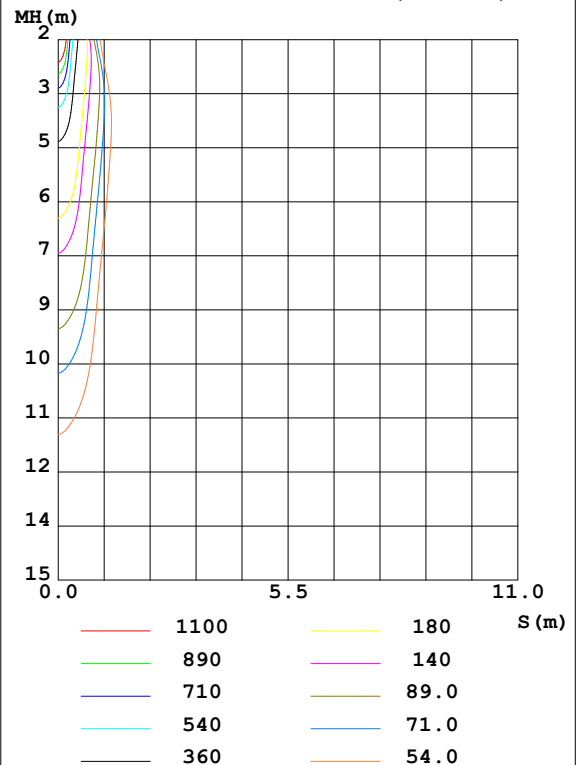
Test:U:220.8V I:0.0721A P:14.59W PF:0.9161 Lamp Flux:1052.65x1 lm		
NAME: BO S-15W-930-12D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi$ 82mm*H77mm	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 72.15 lm/W			
MODEL	CITIZEN-3000K	I <sub>max</sub> (cd)	7225	S/MH (C0/180)	0.23
NOMINAL POWER (W)	15.0	LOR (%)	100.0	S/MH (C90/270)	0.27
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1052.7	$\eta$ UP, DN (C0-180)	0.0, 46.7
NOMINAL FLUX (lm)	1052.65	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.0, 53.3
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)



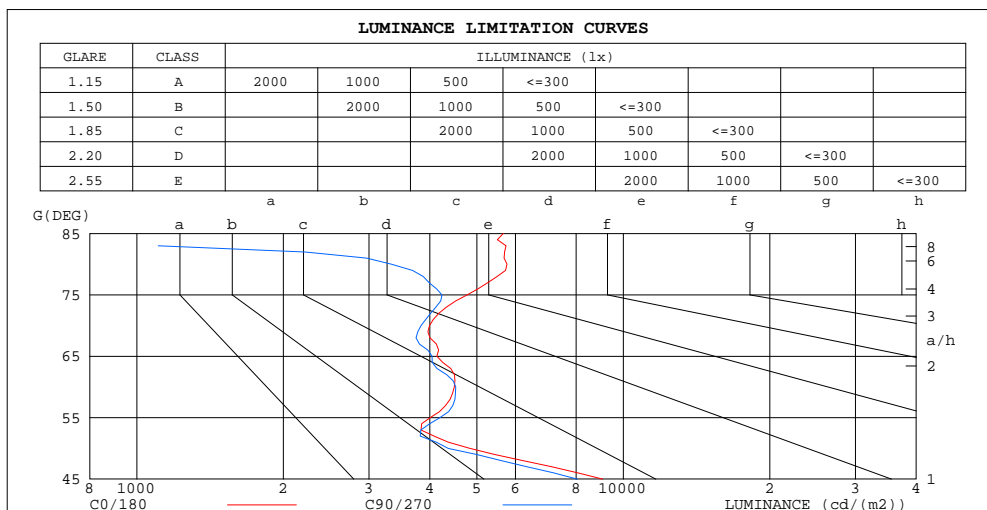
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng Yongjian  
 Test Date:2017-08-01

$\gamma$  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	2274	2112	1981	2062	2222	2366	2510	2459	0- 10	373.4	373.4	35.5,35.5
20	756.1	703.4	663.7	700.0	781.0	809.8	842.2	805.2	10- 20	365.6	739.0	70.2,70.2
30	205.3	194.9	186.8	198.5	217.4	232.6	238.1	226.9	20- 30	182.0	921.0	87.5,87.5
40	63.87	60.01	57.04	60.38	66.04	69.62	72.41	68.33	30- 40	75.68	996.7	94.7,94.7
50	16.42	15.61	14.81	15.77	16.65	17.22	18.15	16.86	40- 50	27.74	1024	97.3,97.3
60	11.86	11.79	11.94	12.06	12.36	11.70	12.02	11.66	50- 60	11.39	1036	98.4,98.4
70	7.214	7.045	6.929	7.172	7.466	7.197	6.784	6.875	60- 70	9.267	1045	99.3,99.3
80	5.285	3.886	3.057	3.899	5.606	3.748	2.977	3.590	70- 80	6.166	1051	99.9,99.9
90	0.0634	0.0612	0.0656	0.0612	0.0459	0.0415	0.0415	0.0459	80- 90	1.406	1053	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		



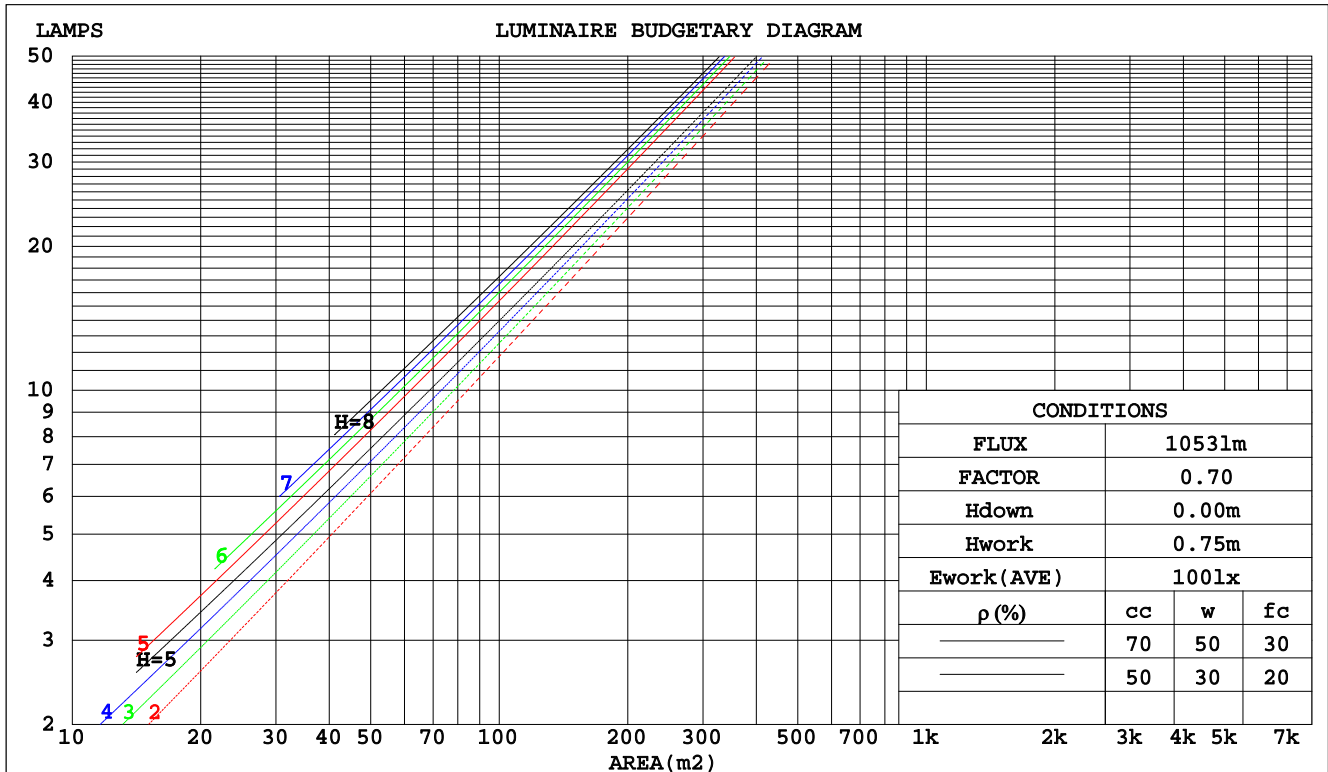
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-08-01

$\gamma$  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:220.8V I:0.0721A P:14.59W PF:0.9161 Lamp Flux:1052.65x1 lm		
NAME: BO S-15W-930-12D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\phi 82\text{mm} \times H77\text{mm}$	
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	1.02	1.01	1.00	.99	.98	.97	.96
2.0	1.06	1.03	1.00	1.05	1.02	.99	1.01	.99	.97	.99	.97	.95	.96	.94	.93	.91
3.0	1.01	.97	.94	.90	.96	.93	.97	.94	.92	.95	.92	.90	.93	.91	.89	.88
4.0	.97	.92	.89	.96	.92	.88	.94	.90	.87	.92	.89	.86	.90	.88	.86	.84
5.0	.93	.88	.85	.92	.88	.84	.90	.87	.84	.89	.85	.83	.87	.84	.82	.81
6.0	.89	.85	.81	.88	.84	.81	.87	.83	.80	.86	.82	.80	.85	.82	.79	.78
7.0	.86	.81	.78	.85	.81	.78	.84	.80	.78	.83	.80	.77	.82	.79	.77	.76
8.0	.83	.79	.75	.83	.78	.75	.82	.78	.75	.81	.77	.75	.80	.77	.74	.73
9.0	.80	.76	.73	.80	.76	.73	.79	.75	.73	.78	.75	.72	.78	.74	.72	.71
10.0	.78	.74	.71	.78	.73	.71	.77	.73	.70	.76	.73	.70	.76	.72	.70	.69



C Range: 0 - 360DEG  
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 $\gamma$  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

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NAME: BO S-15W-930-12D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ82mm*H77mm	
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	.150	.085	.027	.144	.082	.026	.131	.075	.024	.120	.069	.022	.109	.063	.020	
2.0	.140	.077	.024	.134	.074	.023	.124	.069	.021	.115	.064	.020	.106	.060	.019	
3.0	.131	.069	.021	.126	.067	.020	.117	.064	.019	.109	.060	.018	.102	.056	.017	
4.0	.122	.064	.019	.118	.062	.018	.111	.059	.018	.104	.056	.017	.098	.053	.016	
5.0	.115	.059	.017	.112	.057	.017	.105	.055	.016	.099	.052	.016	.094	.050	.015	
6.0	.109	.054	.016	.106	.053	.015	.100	.051	.015	.095	.049	.015	.090	.048	.014	
7.0	.103	.051	.014	.100	.050	.014	.096	.048	.014	.091	.047	.014	.087	.045	.013	
8.0	.098	.048	.013	.096	.047	.013	.091	.046	.013	.087	.044	.013	.084	.043	.013	
9.0	.093	.045	.013	.091	.044	.012	.088	.043	.012	.084	.042	.012	.081	.041	.012	
10.0	.089	.043	.012	.087	.042	.012	.084	.041	.012	.081	.040	.011	.078	.039	.011	

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	.087	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.116	.130	.114	.101	.089	.079	.070	.051	.046	.041	.017	.015	.013	
3.0	.138	.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	.115	.086	.064	.099	.074	.056	.068	.052	.040	.040	.031	.023	.013	.010	.008	
6.0	.107	.076	.054	.092	.066	.047	.063	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.099	.068	.046	.085	.059	.040	.059	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.093	.061	.040	.080	.053	.035	.055	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.087	.056	.035	.075	.048	.030	.052	.034	.022	.030	.020	.013	.010	.007	.004	
10.0	.082	.051	.031	.071	.044	.027	.049	.031	.019	.029	.018	.011	.009	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
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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:

UGR(Unified Glare Rating) Table

Test:U:220.8V I:0.0721A P:14.59W PF:0.9161 Lamp Flux:1052.65x1 lm										
NAME: BO S-15W-930-12D					TYPE:Downlight			SERIAL No.:		
SPEC.:3000K					DIM.: $\phi 82\text{mm} \times H77\text{mm}$					
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	12.6	13.4	12.9	13.5	13.7	12.3	13.0	12.5	13.2	13.3
3H	13.2	13.9	13.5	14.1	14.3	12.9	13.6	13.1	13.7	13.9
4H	13.7	14.3	13.9	14.5	14.7	13.3	13.9	13.6	14.1	14.4
6H	14.3	14.9	14.5	15.1	15.3	13.6	14.2	13.9	14.4	14.7
8H	14.5	15.1	14.8	15.3	15.6	13.6	14.2	13.9	14.4	14.7
12H	14.7	15.2	15.0	15.5	15.8	13.6	14.1	13.9	14.4	14.7
4H 2H	12.8	13.4	13.0	13.6	13.8	12.4	13.1	12.7	13.3	13.5
3H	13.5	14.1	13.9	14.4	14.6	13.2	13.8	13.6	14.1	14.3
4H	14.2	14.7	14.5	15.0	15.3	13.8	14.3	14.2	14.6	14.9
6H	15.0	15.5	15.4	15.8	16.1	14.3	14.7	14.6	15.0	15.4
8H	15.3	15.7	15.7	16.1	16.5	14.3	14.7	14.7	15.1	15.4
12H	15.6	15.9	16.0	16.3	16.7	14.3	14.6	14.7	15.0	15.4
8H 4H	14.4	14.8	14.8	15.2	15.5	14.1	14.5	14.4	14.8	15.2
6H	15.3	15.7	15.8	16.1	16.5	14.6	15.0	15.0	15.4	15.8
8H	15.7	16.1	16.2	16.5	16.9	14.7	15.0	15.1	15.4	15.8
12H	16.0	16.3	16.5	16.8	17.2	14.6	14.9	15.1	15.3	15.8
12H 4H	14.4	14.8	14.8	15.1	15.5	14.1	14.5	14.5	14.8	15.2
6H	15.4	15.7	15.8	16.1	16.5	14.7	15.0	15.1	15.4	15.8
8H	15.8	16.1	16.3	16.5	17.0	14.7	15.0	15.2	15.4	15.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 0.9					+ 0.9 / - 1.0				
1.5H	+ 2.0 / - 0.9					+ 2.1 / - 1.2				
2.0H	+ 1.0 / - 0.5					+ 1.0 / - 0.6				

CIE Pub.117 Corrected 1053 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.2)

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 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:0.0721A P:14.59W PF:0.9161 Lamp Flux:1052.65x1 lm		
NAME: BO S-15W-930-12D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: $\varnothing 82\text{mm} \times H77\text{mm}$	
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) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	78	88	82	78	87	82	78	75
0.80	96	90	86	95	89	86	94	89	86	82
1.00	100	94	91	99	94	90	97	94	90	86
1.25	104	98	95	102	98	95	101	97	94	90
1.50	106	101	98	105	101	98	103	99	97	92
2.00	109	105	101	107	104	101	105	102	99	94
2.50	110	107	104	109	105	103	106	103	101	95
3.00	112	108	106	110	107	105	107	104	102	96
4.00	114	111	109	112	110	108	108	106	105	98
5.00	115	113	111	113	111	110	109	108	106	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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## ISOCANDELA DIAGRAM

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SPEC.:3000K	DIM.: $\phi$ 82mm*H77mm	
MFR.:		

Conical surface Flux(90deg):

1014.5 lm

%lum = 96.4%

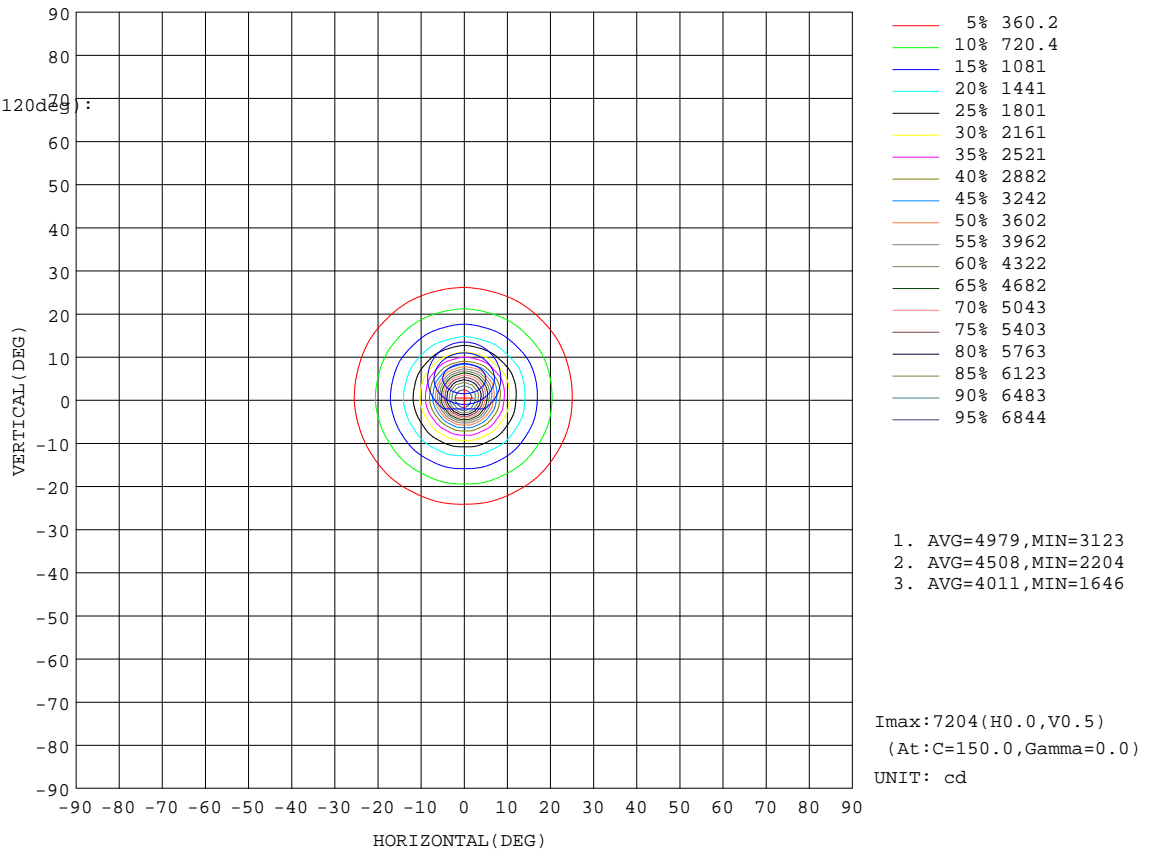
%lamp = 96.4%

Conical surface Flux(120deg):

1035.8 lm

%lum = 98.4%

%lamp = 98.4%



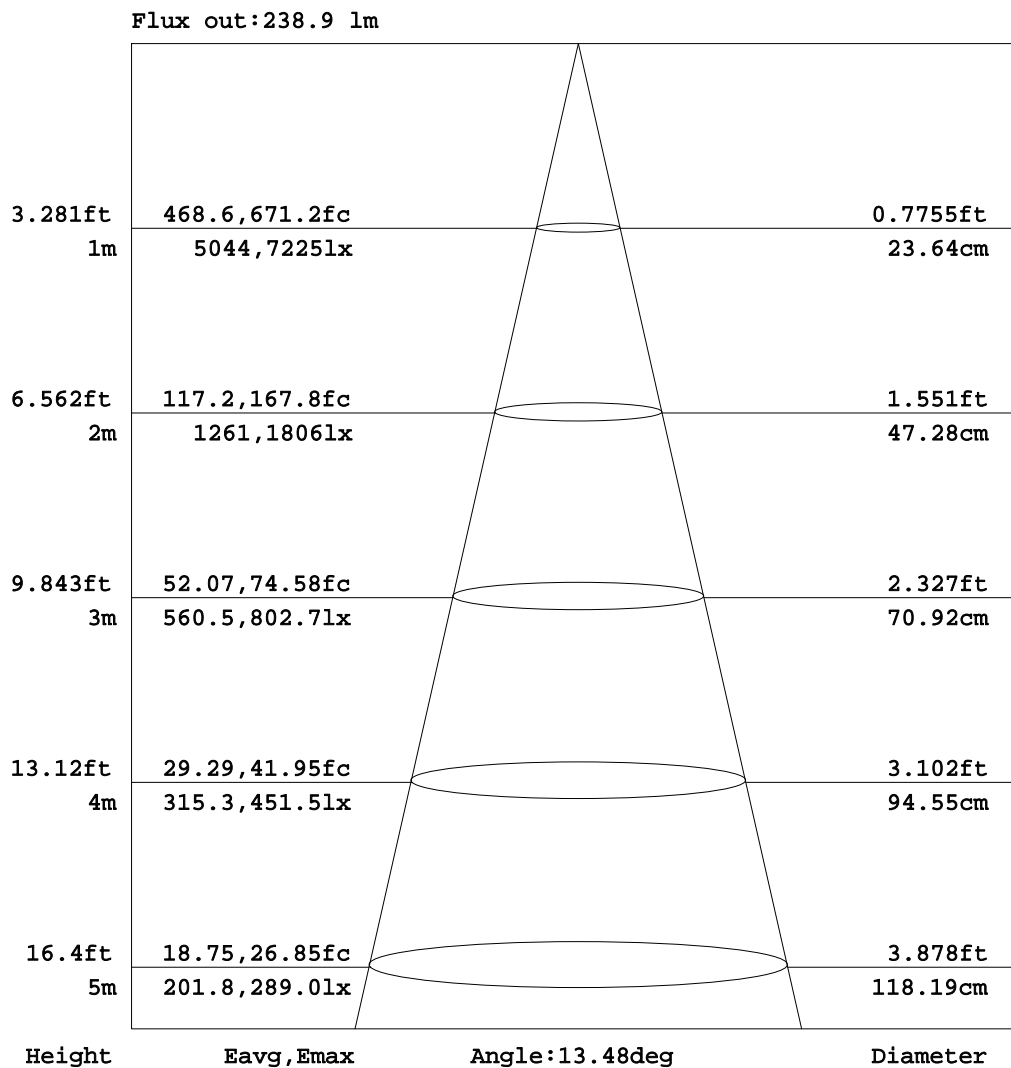
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## AAI Figure

Test:U:220.8V I:0.0721A P:14.59W PF:0.9161 Lamp Flux:1052.65x1 lm		
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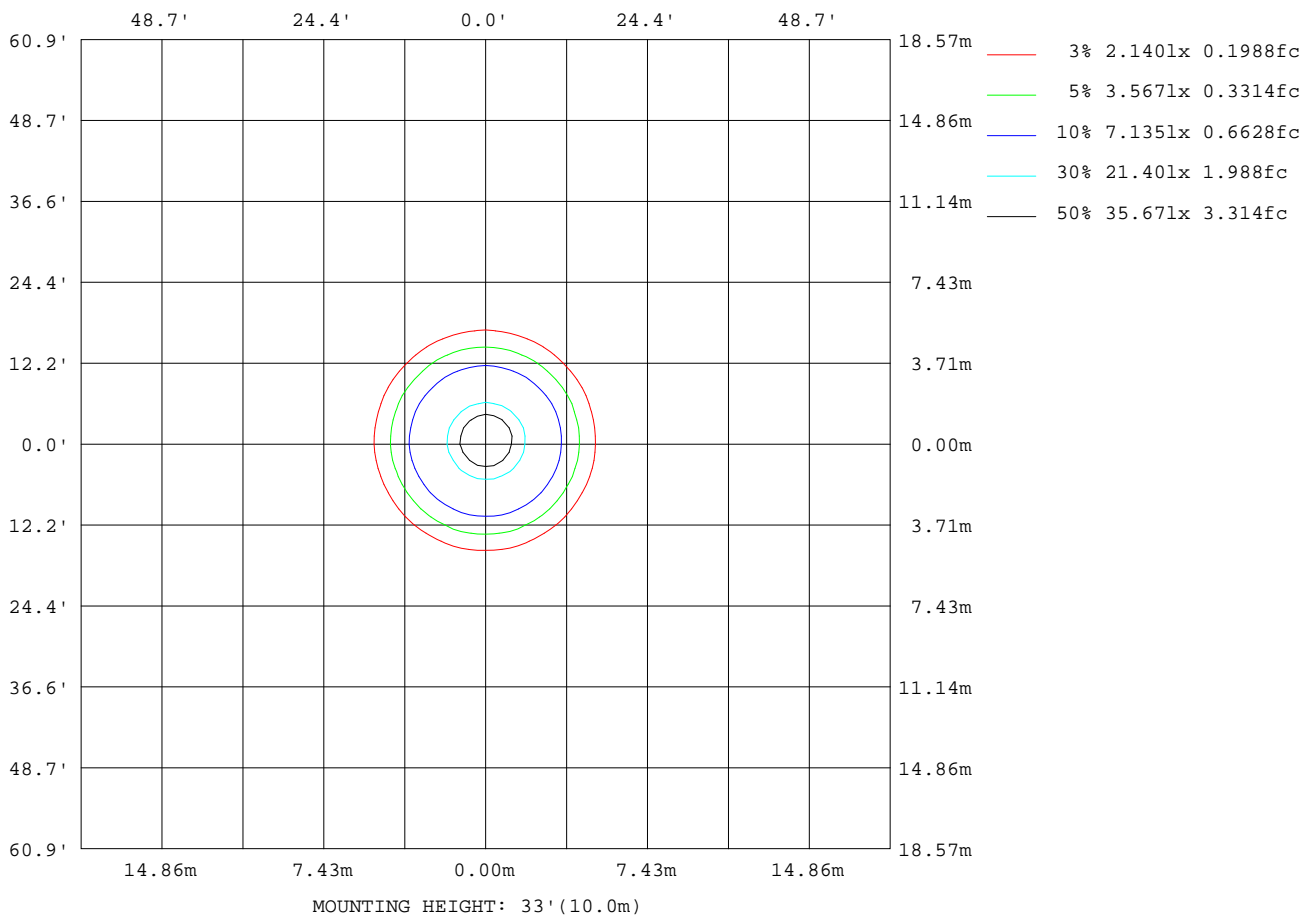
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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Remarks:

## ISOLUX DIAGRAM

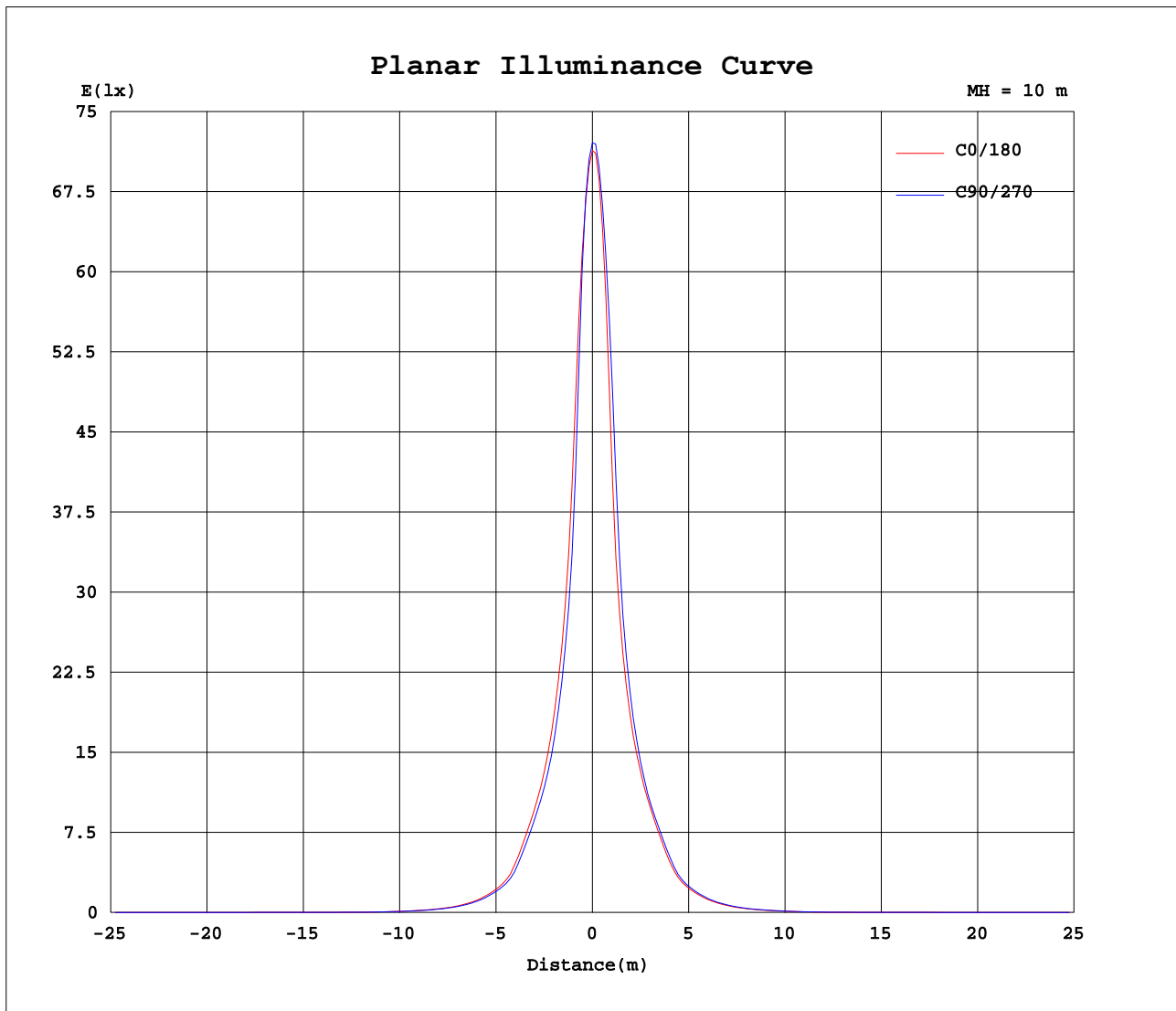
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## Planar Illuminance Curve



C Range: 0 - 360DEG  
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Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
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## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:0.0721A P:14.59W PF:0.9161 Lamp Flux:1052.65x1 lm		
NAME: BO S-15W-930-12D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ82mm*H77mm	
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: 2017-08-01

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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:

```

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:0.0721A P:14.59W PF:0.9161 Lamp Flux:1052.65x1 lm		
NAME: BO S-15W-930-12D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ82mm*H77mm	
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: 2017-08-01

```

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	7135	7172	7173	7200	7193	7213	7207	7219	7217	7223
3.0	6203	6228	6127	6171	6066	6143	6049	6163	6098	6231
6.0	4070	3989	3752	3705	3520	3522	3412	3481	3441	3595
9.0	2578	2546	2422	2393	2289	2294	2240	2283	2259	2320
12.0	1793	1774	1704	1682	1618	1610	1571	1600	1603	1656
15.0	1305	1291	1246	1237	1199	1194	1170	1190	1190	1228
18.0	967.0	955.0	916.3	910.8	881.8	882.3	862.8	879.6	875.4	906.5
21.0	650.4	640.2	609.0	604.3	581.1	580.3	570.6	582.7	582.7	603.6
24.0	406.1	399.2	380.5	375.9	366.0	369.4	364.7	371.4	370.7	384.6
27.0	290.5	287.2	277.0	274.6	266.5	267.9	264.5	270.6	271.4	280.1
30.0	205.3	203.6	196.6	194.9	188.9	189.5	186.8	190.5	191.2	198.5
33.0	145.2	143.7	138.3	137.8	132.4	133.8	131.2	134.1	133.0	139.0
36.0	100.7	99.81	96.54	95.14	91.96	92.14	91.22	92.39	92.30	95.67
39.0	71.22	70.23	68.45	67.51	65.47	65.16	64.78	65.54	66.12	67.94
42.0	50.29	49.39	47.42	47.14	45.33	45.24	44.49	45.69	46.06	47.53
45.0	33.85	33.62	32.13	31.87	30.45	30.49	30.00	30.96	31.35	32.13
48.0	21.92	22.14	20.98	20.82	19.84	20.00	19.80	20.52	20.56	20.95
51.0	14.50	14.41	13.91	13.90	13.37	13.67	13.70	13.77	13.64	13.82
54.0	11.95	11.90	11.85	11.76	11.90	12.26	12.41	12.28	12.22	12.08
57.0	12.40	12.35	12.19	12.34	12.63	12.69	12.83	12.72	12.55	12.67
60.0	11.86	11.75	11.65	11.79	11.80	11.87	11.94	11.93	11.95	12.06
63.0	10.59	10.61	10.30	10.25	10.01	9.955	9.919	9.965	9.959	10.29
66.0	8.959	8.928	8.794	8.750	8.512	8.555	8.511	8.595	8.570	8.833
69.0	7.502	7.499	7.422	7.303	7.218	7.202	7.148	7.231	7.330	7.436
72.0	6.809	6.831	6.687	6.648	6.618	6.575	6.549	6.591	6.671	6.719
75.0	6.521	6.543	6.309	6.236	6.138	5.974	5.789	5.967	6.138	6.193
78.0	6.035	5.918	5.485	5.050	4.517	4.347	4.256	4.397	4.569	5.039
81.0	4.696	4.453	3.791	3.244	2.885	2.652	2.449	2.628	2.846	3.191
84.0	3.039	2.651	1.822	0.8572	0.2961	0.2199	0.2091	0.2091	0.2406	0.6771
87.0	0.9979	0.4933	0.1067	0.0721	0.0921	0.0721	0.0921	0.0721	0.0899	0.0699
90.0	0.0634	0.0656	0.0656	0.0612	0.0634	0.0634	0.0656	0.0656	0.0634	0.0612
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	7225	7223	7135	7172	7173	7200	7193	7213	7207	7219
3.0	6201	6344	6436	6446	6576	6565	6644	6609	6651	6568
6.0	3630	3858	4091	4167	4456	4519	4765	4781	4949	4860
9.0	2322	2427	2523	2555	2680	2709	2830	2814	2898	2871
12.0	1658	1709	1769	1789	1851	1855	1910	1906	1947	1921
15.0	1236	1274	1315	1321	1354	1348	1390	1367	1407	1372
18.0	915.2	950.8	989.2	996.4	1023	1013	1033	1028	1044	1026
21.0	615.3	644.4	680.8	684.1	712.2	711.1	731.9	726.3	740.4	719.7
24.0	390.3	409.4	431.8	435.7	450.8	448.9	465.5	460.6	468.6	451.6
27.0	283.0	292.4	305.8	308.8	316.8	316.6	325.6	324.9	329.3	321.2
30.0	200.2	207.1	217.4	220.5	231.8	232.6	238.9	234.7	238.1	234.5
33.0	140.1	145.3	152.8	154.4	159.8	160.1	164.3	162.5	164.4	161.1
36.0	96.95	100.3	105.9	107.3	110.8	111.4	114.5	113.7	115.1	112.6
39.0	68.50	70.59	74.22	75.30	77.59	78.11	80.14	80.27	80.97	79.44
42.0	47.65	49.34	52.01	52.83	54.88	54.99	56.55	56.58	57.62	56.33
45.0	31.95	33.03	34.92	35.27	36.94	36.96	38.32	38.00	38.91	38.15
48.0	20.79	21.41	22.58	22.76	23.86	23.90	24.82	24.55	25.23	24.74
51.0	13.71	14.04	14.53	14.58	15.07	14.96	15.36	15.33	15.72	15.34
54.0	11.90	11.81	11.84	11.89	11.84	11.73	11.82	11.92	12.08	12.09
57.0	12.81	12.60	12.63	12.61	12.41	12.02	12.03	12.14	12.42	12.46
60.0	12.14	12.25	12.36	12.16	11.88	11.70	11.76	11.59	12.02	11.87
63.0	10.38	10.68	11.17	11.19	10.94	10.62	10.39	10.31	10.56	10.32
66.0	8.928	9.022	9.178	9.145	9.049	8.994	8.793	8.570	8.655	8.621
69.0	7.503	7.646	7.802	7.773	7.738	7.618	7.449	7.243	7.139	7.086
72.0	6.753	6.921	6.971	6.859	6.705	6.573	6.513	6.378	6.283	6.240
75.0	6.262	6.517	6.598	6.333	6.055	5.942	5.900	5.624	5.491	5.517
78.0	5.448	5.879	6.170	5.713	5.328	4.867	4.455	4.193	4.107	4.136
81.0	3.754	4.512	5.050	4.417	3.752	3.136	2.927	2.621	2.514	2.477
84.0	1.696	1.949	3.370	2.370	1.903	0.8649	0.4525	0.2866	0.3165	0.2752
87.0	0.1055	0.2697	1.498	0.3504	0.0610	0.0811	0.0567	0.0788	0.0633	0.0788
90.0	0.0612	0.0656	0.0459	0.0547	0.0415	0.0415	0.0415	0.0459	0.0415	0.0459
G/C	300.0	315.0	330.0	345.0						
0.0	7217	7223	7225	7223						
3.0	6567	6461	6461	6350						
6.0	4898	4695	4639	4378						
9.0	2935	2839	2842	2719						
12.0	1935	1904	1927	1866						
15.0	1394	1363	1396	1346						
18.0	1030	1012	1023	994.4						
21.0	723.9	702.8	706.9	675.1						

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng Yongjian  
 Test Date: 2017-08-01

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	448.7	434.9	433.9	417.5
27.0	319.6	310.2	308.0	297.0
30.0	235.5	226.9	224.7	213.0
33.0	160.1	154.3	152.8	147.8
36.0	111.6	108.0	106.5	102.8
39.0	79.00	76.60	75.40	73.01
42.0	56.22	54.14	53.62	51.51
45.0	38.36	36.75	36.24	34.65
48.0	24.85	23.54	23.36	22.47
51.0	15.34	14.65	14.66	14.55
54.0	11.94	11.65	11.60	11.74
57.0	12.27	12.07	12.10	12.16
60.0	11.70	11.66	11.70	11.71
63.0	10.40	10.44	10.49	10.48
66.0	8.626	8.765	8.916	8.931
69.0	7.207	7.235	7.423	7.536
72.0	6.333	6.339	6.452	6.658
75.0	5.692	5.728	5.889	6.171
78.0	4.331	4.699	5.147	5.536
81.0	2.759	3.000	3.586	4.170
84.0	0.4439	0.8774	1.843	2.468
87.0	0.0589	0.0767	0.0611	0.5576
90.0	0.0415	0.0459	0.0459	0.0547

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng Yongjian  
Test Date: 2017-08-01

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: