



Shenzhen Belling Efficiency Testing Laboratory Co.,Ltd.  
www.bellingeel.com

Tel:0755-21038430

Address:Rm. 108, No.1 Building, Meibaohe industrial park, No.14 Shilongzi Road, Dalang street, Longhua district, Shenzhen, China

---

Client:

LumCAT: LSG3-HO-5CCT-5SSL-3000K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.08

LampCAT:

Current(A): 0.0920

Lamp flux(lm): -1.0

Power (W): 10.75

Number of Lamps: 0

PF: 0.9753

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

---

### Photometric Results

---

Lumens(lm): 902.03, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 83.89

Central intensity(cd): 534.761, Maximum intensity(cd): 1608.304

Angle of maximum intensity: C=0.0  $\gamma=25.0$

Beam Angle(50%Imax): [C0/180]Total=51.0

[C90/270]Total=37.4

Field angle(10%Imax): [C0/180]Total=64.5

[C90/270]Total=90.4

Maximum s/h(1/2): C0\_180=0.20 C90\_270=0.59

Maximum s/h(1/4): C0\_180=0.26 C90\_270=0.62

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.05%

Down flux rate of LUM(%): 99.95%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.055%

---

Equipment: GMS-3000  
Temperature(°C): 25

Date:  
Humidity(%): 59%

Operator: Tester

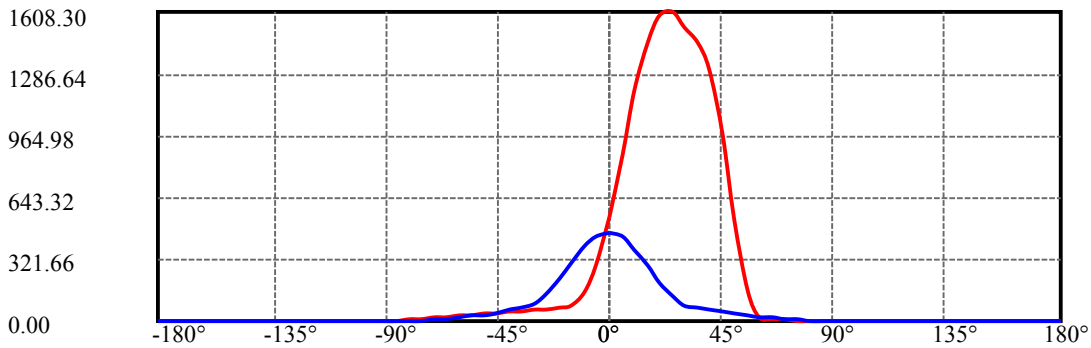
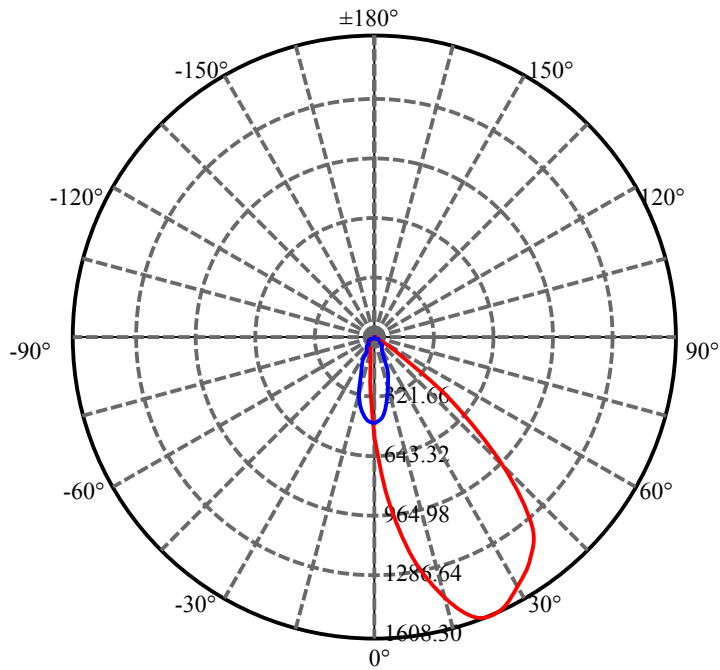
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	503.482	0.000	0	0.00%	0.00%
5.0	512.453	12.145	12.145	0.00%	1.35%
10.0	530.421	37.307	49.452	0.00%	5.48%
15.0	538.995	63.437	112.889	0.00%	12.51%
20.0	531.241	88.202	201.091	0.00%	22.29%
25.0	497.686	107.915	309.007	0.00%	34.26%
30.0	438.436	118.467	427.474	0.00%	47.39%
35.0	373.152	119.512	546.986	0.00%	60.64%
40.0	299.586	112.241	659.227	0.00%	73.08%
45.0	211.332	94.601	753.828	0.00%	83.57%
50.0	121.147	67.182	821.01	0.00%	91.02%
55.0	50.226	37.262	858.272	0.00%	95.15%
60.0	24.187	17.200	875.473	0.00%	97.06%
65.0	16.592	9.914	885.386	0.00%	98.15%
70.0	10.982	6.982	892.368	0.00%	98.93%
75.0	6.774	4.641	897.009	0.00%	99.44%
80.0	3.731	2.811	899.82	0.00%	99.75%
85.0	1.323	1.373	901.194	0.00%	99.91%
90.0	0.106	0.391	901.585	0.00%	99.95%
95.0	0.000	0.029	901.614	0.00%	99.95%
100.0	0.000	0.000	901.614	0.00%	99.95%
105.0	0.000	0.000	901.614	0.00%	99.95%
110.0	0.000	0.000	901.614	0.00%	99.95%
115.0	0.000	0.000	901.614	0.00%	99.95%
120.0	0.000	0.000	901.614	0.00%	99.95%
125.0	0.000	0.000	901.614	0.00%	99.95%
130.0	0.000	0.000	901.614	0.00%	99.95%
135.0	0.079	0.016	901.63	0.00%	99.96%
140.0	0.106	0.034	901.664	0.00%	99.96%
145.0	0.238	0.057	901.722	0.00%	99.97%
150.0	0.265	0.074	901.796	0.00%	99.97%
155.0	0.238	0.064	901.859	0.00%	99.98%
160.0	0.265	0.053	901.912	0.00%	99.99%
165.0	0.318	0.048	901.96	0.00%	99.99%
170.0	0.344	0.039	901.999	0.00%	100.00%
175.0	0.318	0.024	902.023	0.00%	100.00%
180.0	0.476	0.009	902.033	0.00%	100.00%

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	427.47	N.A.	47.39%
0-40	659.23	N.A.	73.08%
0-60	875.47	N.A.	97.06%
0-90	901.59	N.A.	99.95%
0-120	901.61	N.A.	99.95%
0-180	902.03	N.A.	100.00%
60-90	26.11	N.A.	2.89%
90-120	0.03	N.A.	0.00%
90-130	0.03	N.A.	0.00%
90-150	0.21	N.A.	0.02%
90-180	0.44	N.A.	0.05%
0-43.30	721.63	N.A.	80.00%

## ZONAL LUMEN SUMMARY

0-10	49.45
10-20	151.64
20-30	226.38
30-40	231.75
40-50	161.78
50-60	54.46
60-70	16.90
70-80	7.45
80-90	1.76
90-100	0.03
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.05
140-150	0.13
150-160	0.12
160-170	0.09
170-180	0.02



C0/C180: —

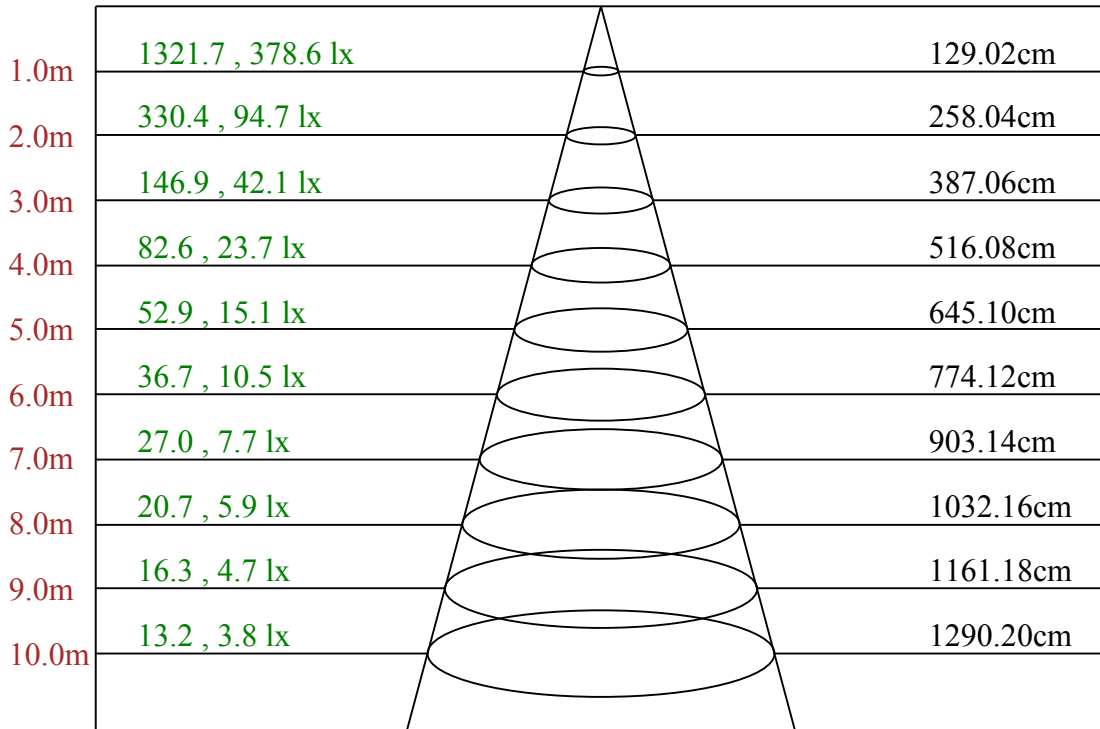
C90/C270: —

Field angle(10%Imax):C0/180Left:9.5 Right:55.0

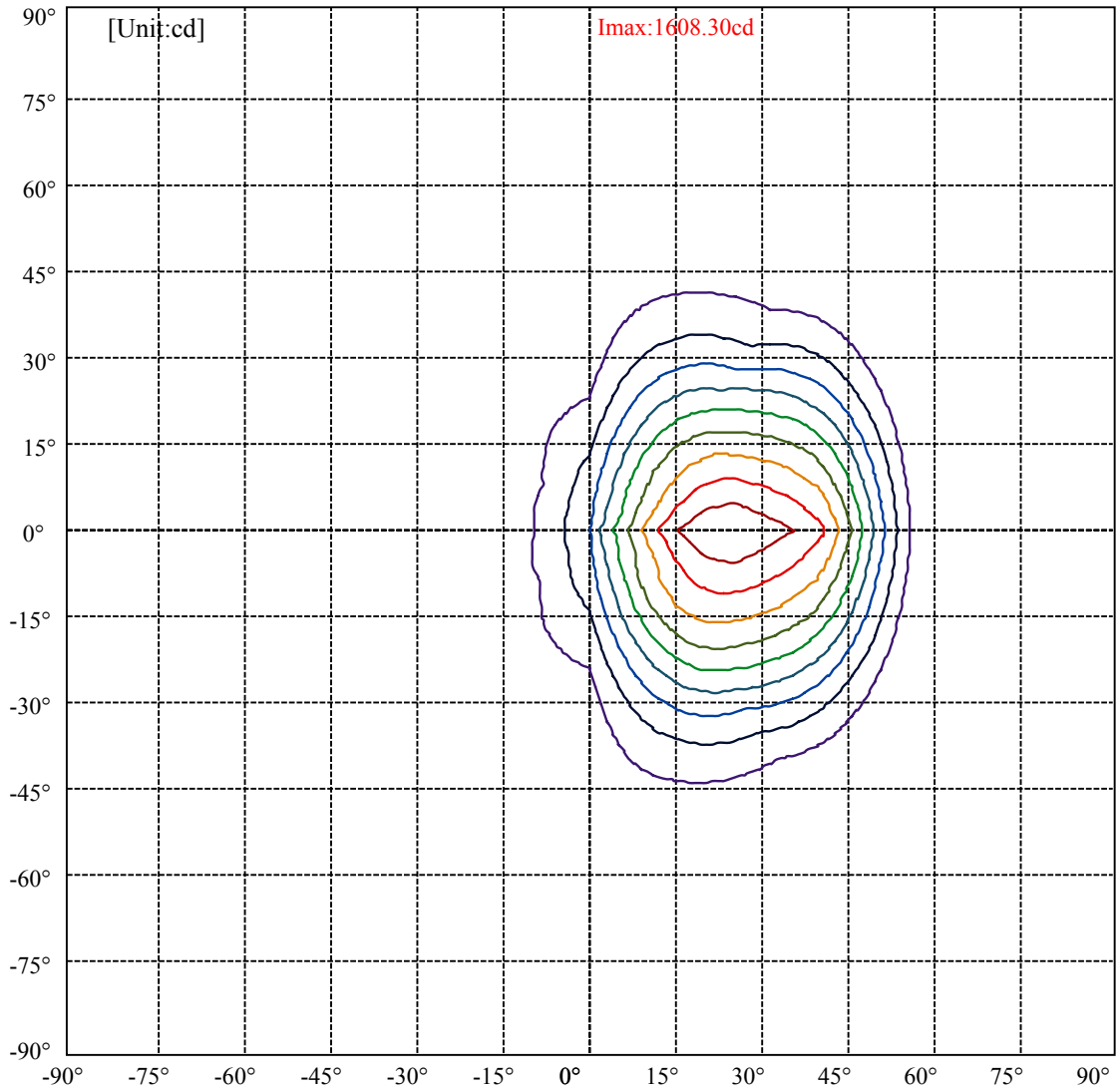
:C90/270Left:44.1 Right:46.3

Beam Angle(50%Imax):C0/180Left:4.1 Right:46.9

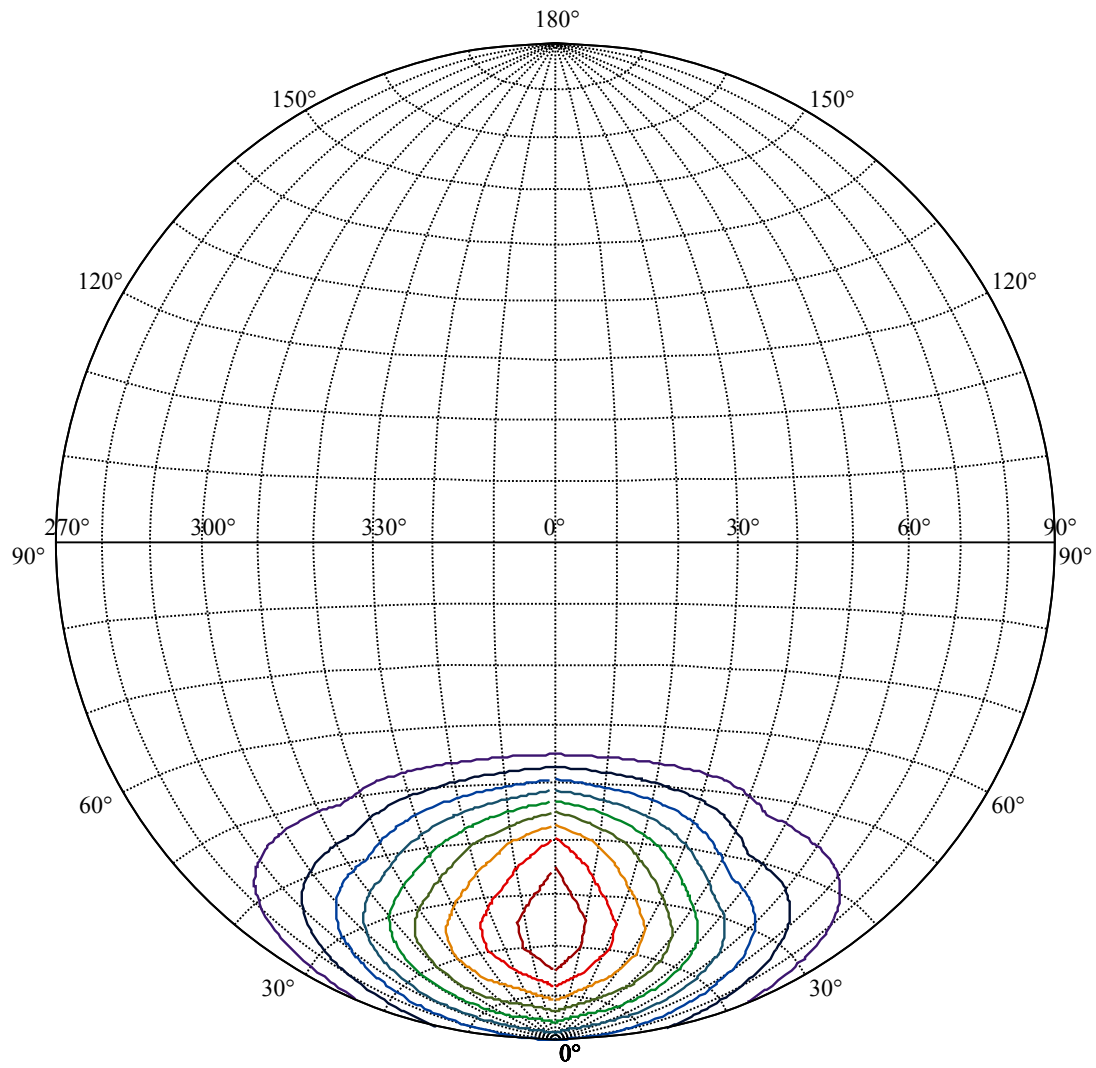
:C90/270Left:19.2 Right:18.2



Max , Ave      Beam angle of C0 plane 65.65



(10%Imax) 160.83	—
(20%Imax) 321.661	—
(30%Imax) 482.491	—
(40%Imax) 643.322	—
(50%Imax) 804.152	—
(60%Imax) 964.982	—
(70%Imax) 1125.81	—
(80%Imax) 1286.64	—
(90%Imax) 1447.47	—



House

[Unit:cd]

Road

**Imax:1608.30**

(10%Imax)	160.83	—
(20%Imax)	321.661	—
(30%Imax)	482.491	—
(40%Imax)	643.322	—
(50%Imax)	804.152	—
(60%Imax)	964.982	—
(70%Imax)	1125.81	—
(80%Imax)	1286.64	—
(90%Imax)	1447.47	—

LSG3-HO-5CCT-5SSL-3000K

Intensity data(cd)

C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	534.76	865.44	1197.18	1446.56	1592.85	1608.30	1528.07	1451.64	1305.99
45.0	501.31	686.34	845.12	934.46	944.19	882.80	732.07	543.02	351.64
90.0	461.51	434.63	374.08	286.22	199.00	129.14	83.20	64.99	56.53
135.0	516.34	323.06	181.85	103.52	74.73	66.26	60.34	55.25	49.54
180.0	534.76	288.55	146.29	84.05	70.07	63.51	58.01	52.71	47.42
225.0	501.31	327.93	199.42	114.53	77.70	67.11	60.76	54.20	47.63
270.0	461.51	444.36	385.51	303.58	217.21	139.09	88.92	65.63	55.47
315.0	516.34	729.32	913.92	1039.04	1074.18	1025.28	896.14	697.77	482.47
360.0	534.76	865.44	1197.18	1446.56	1592.85	1608.30	1528.07	1451.64	1305.99

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	966.63	533.49	157.30	24.56	14.18	6.99	1.91	0.85	0.00
45.0	210.43	112.20	46.79	28.16	16.30	8.47	3.81	1.48	0.21
90.0	48.48	39.80	32.18	22.44	15.67	10.37	6.77	3.39	0.85
135.0	43.82	38.32	33.03	27.31	20.75	16.09	11.22	6.56	2.33
180.0	42.55	38.11	31.12	27.10	22.86	18.63	13.55	8.05	3.60
225.0	41.28	35.14	30.27	25.19	18.21	13.55	9.32	5.08	1.69
270.0	44.03	34.93	24.98	16.51	11.01	6.77	4.23	2.33	0.85
315.0	293.42	137.18	46.15	22.23	13.76	6.99	3.39	2.12	1.06
360.0	966.63	533.49	157.30	24.56	14.18	6.99	1.91	0.85	0.00

C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.42	0.42
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.21
135.0	0.00	0.00	0.00	0.21	0.21	0.21	0.21	0.00	0.21
180.0	0.42	0.64	1.06	0.85	0.64	0.64	0.85	0.64	0.42
225.0	0.21	0.21	0.85	1.06	0.85	1.06	1.06	0.64	0.64
270.0	0.00	0.00	0.00	0.00	0.21	0.21	0.21	0.42	0.42
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21

C/γ(°)	180.0
0.0	0.64
45.0	0.64
90.0	0.21
135.0	0.42
180.0	0.64
225.0	0.64
270.0	0.21
315.0	0.42
360.0	0.64