



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-4000K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.08

LampCAT:

Current(A): 0.0910

Lamp flux(lm): -1.0

Power (W): 10.60

Number of Lamps: 0

PF: 0.9750

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 982.64, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 92.71

Central intensity(cd): 581.970, Maximum intensity(cd): 1737.654

Angle of maximum intensity: C=0.0 γ =25.0

Beam Angle(50%Imax): [C0/180]Total=51.1

[C90/270]Total=37.6

Field angle(10%Imax): [C0/180]Total=64.3

[C90/270]Total=90.9

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(%): 0.07%

Down flux rate of LUM(%): 99.93%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 96.980%

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

Date:
Humidity(%): 59%

Operator: Tester

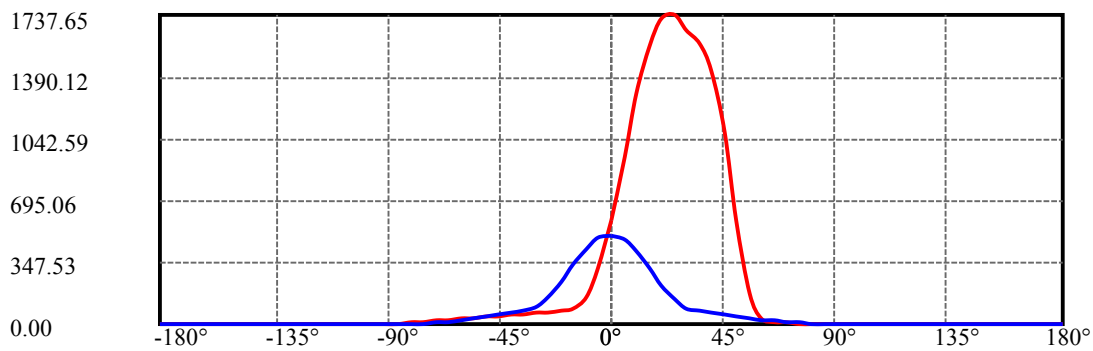
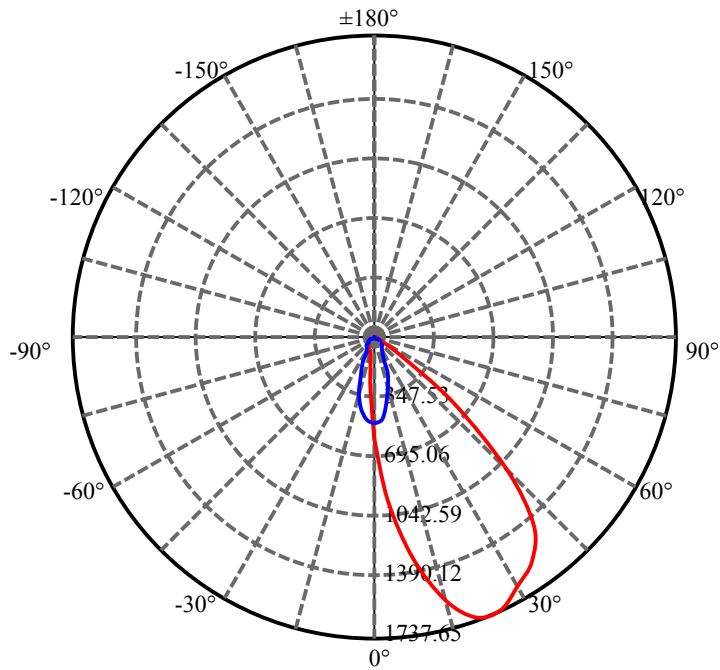
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	546.034	0.000	0	0.00%	0.00%
5.0	556.513	13.181	13.181	0.00%	1.34%
10.0	574.058	40.444	53.625	0.00%	5.46%
15.0	583.267	68.652	122.276	0.00%	12.44%
20.0	574.693	95.432	217.709	0.00%	22.16%
25.0	538.386	116.741	334.45	0.00%	34.04%
30.0	475.828	128.350	462.8	0.00%	47.10%
35.0	405.649	129.804	592.603	0.00%	60.31%
40.0	327.874	122.383	714.986	0.00%	72.76%
45.0	233.693	103.979	818.965	0.00%	83.34%
50.0	133.426	74.182	893.146	0.00%	90.89%
55.0	54.884	40.945	934.091	0.00%	95.06%
60.0	26.754	18.870	952.961	0.00%	96.98%
65.0	18.233	10.936	963.898	0.00%	98.09%
70.0	12.199	7.706	971.604	0.00%	98.88%
75.0	7.436	5.132	976.736	0.00%	99.40%
80.0	4.234	3.123	979.858	0.00%	99.72%
85.0	1.614	1.589	981.448	0.00%	99.88%
90.0	0.132	0.478	981.926	0.00%	99.93%
95.0	0.053	0.051	981.977	0.00%	99.93%
100.0	0.027	0.022	981.998	0.00%	99.93%
105.0	0.000	0.007	982.005	0.00%	99.94%
110.0	0.000	0.000	982.005	0.00%	99.94%
115.0	0.000	0.000	982.005	0.00%	99.94%
120.0	0.027	0.006	982.012	0.00%	99.94%
125.0	0.027	0.012	982.024	0.00%	99.94%
130.0	0.053	0.017	982.041	0.00%	99.94%
135.0	0.079	0.027	982.068	0.00%	99.94%
140.0	0.212	0.054	982.122	0.00%	99.95%
145.0	0.265	0.080	982.201	0.00%	99.96%
150.0	0.318	0.086	982.287	0.00%	99.96%
155.0	0.371	0.087	982.374	0.00%	99.97%
160.0	0.450	0.086	982.46	0.00%	99.98%
165.0	0.503	0.079	982.539	0.00%	99.99%
170.0	0.476	0.058	982.597	0.00%	100.00%
175.0	0.450	0.033	982.63	0.00%	100.00%
180.0	0.529	0.012	982.642	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	462.80	N.A.	47.10%
0-40	714.99	N.A.	72.76%
0-60	952.96	N.A.	96.98%
0-90	981.93	N.A.	99.93%
0-120	982.01	N.A.	99.94%
0-180	982.64	N.A.	100.00%
60-90	28.96	N.A.	2.95%
90-120	0.09	N.A.	0.01%
90-130	0.12	N.A.	0.01%
90-150	0.36	N.A.	0.04%
90-180	0.70	N.A.	0.07%
0-43.42	786.11	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	53.62
10-20	164.08
20-30	245.09
30-40	252.19
40-50	178.16
50-60	59.82
60-70	18.64
70-80	8.25
80-90	2.07
90-100	0.07
100-110	0.01
110-120	0.01
120-130	0.03
130-140	0.08
140-150	0.17
150-160	0.17
160-170	0.14
170-180	0.03

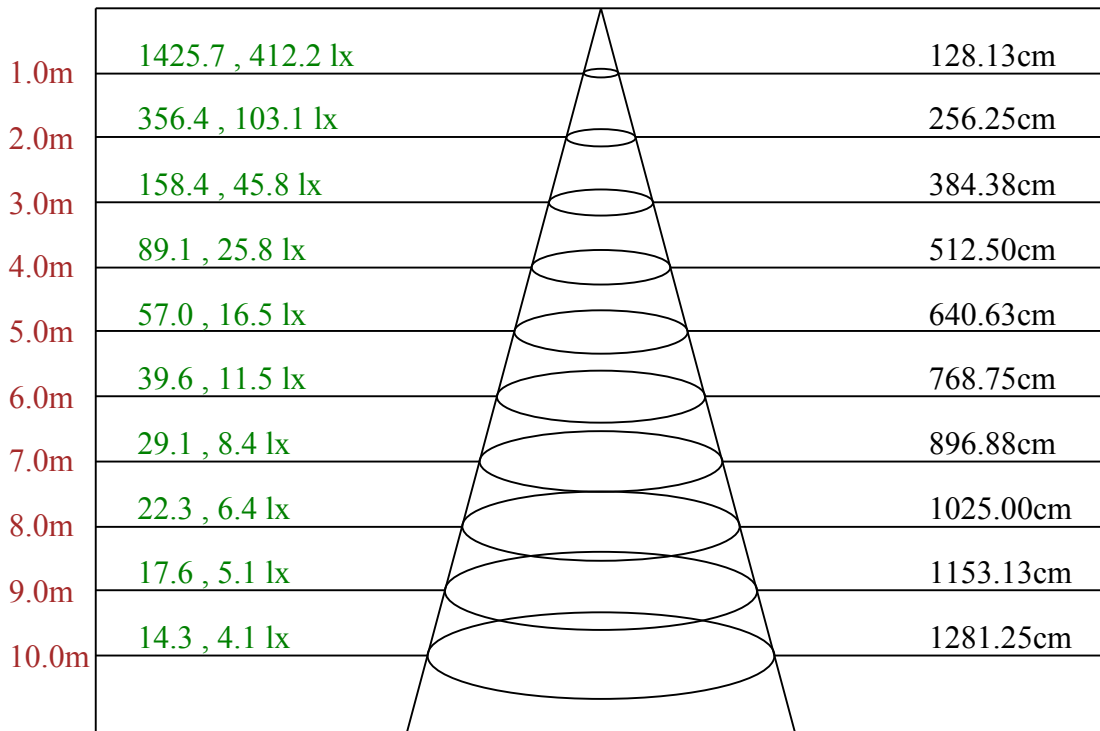


C0/C180: —

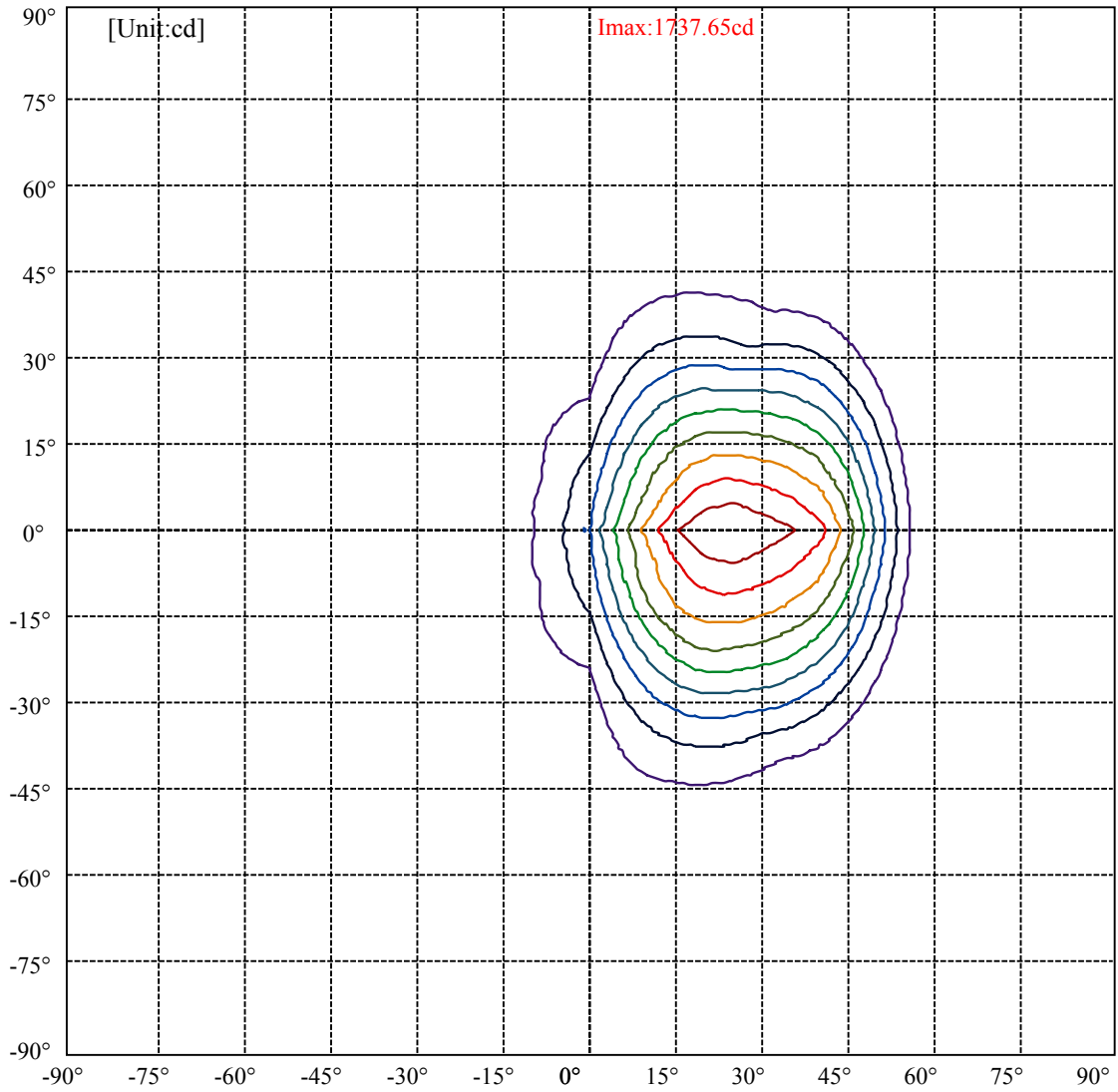
C90/C270: —

Field angle(10%Imax):C0/180Left:9.4 Right:54.9
:C90/270Left:44.5 Right:46.4

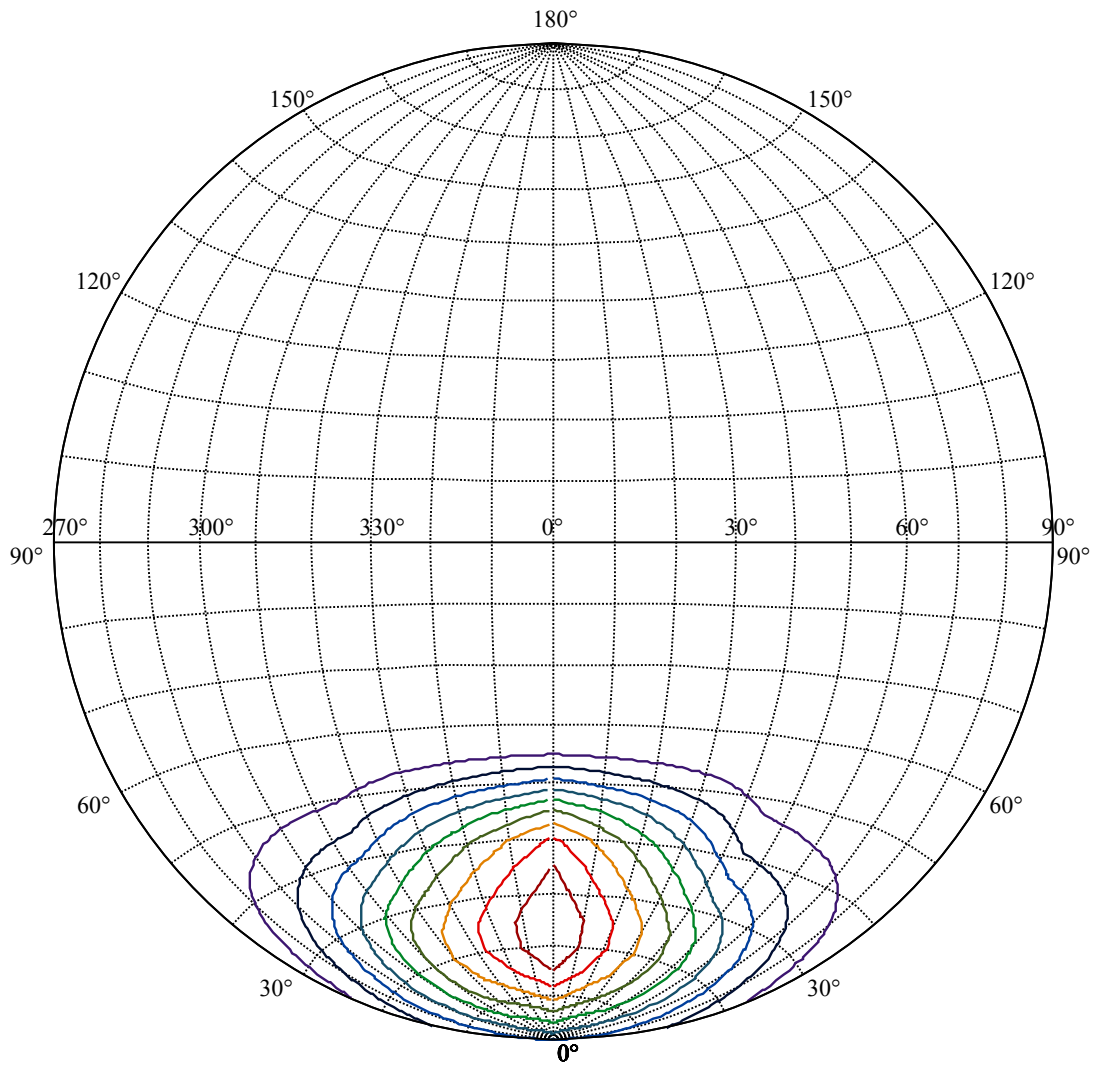
Beam Angle(50%Imax):C0/180Left:4.0 Right:47.1
:C90/270Left:19.3 Right:18.3



Max , Ave Beam angle of C0 plane 65.29



(10%Imax) 173.765	—
(20%Imax) 347.531	—
(30%Imax) 521.296	—
(40%Imax) 695.062	—
(50%Imax) 868.827	—
(60%Imax) 1042.59	—
(70%Imax) 1216.36	—
(80%Imax) 1390.12	—
(90%Imax) 1563.89	—



House

[Unit:cd]

Road

Imax:1737.65

(10%Imax) 173.765	—
(20%Imax) 347.531	—
(30%Imax) 521.296	—
(40%Imax) 695.062	—
(50%Imax) 868.827	—
(60%Imax) 1042.59	—
(70%Imax) 1216.36	—
(80%Imax) 1390.12	—
(90%Imax) 1563.89	—

LSG3-HO-5CCT-5SSL-4000K

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	581.97	940.59	1295.41	1564.27	1718.18	1737.65	1653.61	1574.86	1421.58
45.0	548.31	743.50	909.90	1003.26	1015.75	946.73	786.69	578.80	373.66
90.0	500.89	472.52	404.99	311.63	218.05	140.78	90.19	71.13	61.39
135.0	552.97	353.33	203.66	114.32	82.14	72.83	66.48	60.55	54.41
180.0	581.97	316.50	155.39	91.46	77.06	69.65	63.93	57.80	52.08
225.0	548.31	359.47	215.94	124.27	85.10	73.46	66.69	59.49	52.08
270.0	500.89	482.47	416.63	331.74	237.11	153.27	98.44	73.25	61.61
315.0	552.97	783.72	990.56	1125.20	1164.15	1112.71	980.61	769.33	546.19
360.0	581.97	940.59	1295.41	1564.27	1718.18	1737.65	1653.61	1574.86	1421.58

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	1074.18	587.69	168.94	27.52	15.88	7.83	2.12	0.64	0.00
45.0	223.98	119.61	51.87	30.91	17.57	9.32	4.23	1.91	0.64
90.0	52.71	43.61	35.14	24.35	17.36	11.64	7.20	3.81	1.27
135.0	48.06	42.13	36.41	29.85	22.44	17.78	12.28	7.20	2.75
180.0	46.58	41.71	34.08	29.43	25.40	20.54	14.61	8.89	4.02
225.0	45.30	38.53	33.03	27.73	19.90	15.03	10.16	5.72	1.69
270.0	48.69	38.53	27.52	18.84	12.28	7.62	4.87	2.96	1.06
315.0	330.04	155.60	52.08	25.40	15.03	7.83	4.02	2.75	1.48
360.0	1074.18	587.69	168.94	27.52	15.88	7.83	2.12	0.64	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	0.21
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.42	0.21	0.21	0.00	0.00	0.00	0.21	0.21	0.21
315.0	0.64	0.21	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	0.21	0.21	0.42
45.0	0.00	0.00	0.00	0.00	0.21	0.21	0.42	0.64	0.64
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.42	0.21
135.0	0.00	0.21	0.21	0.42	0.21	0.64	0.21	0.21	0.21
180.0	0.42	0.85	0.85	1.06	0.85	0.85	0.85	0.42	0.64
225.0	0.21	0.42	0.85	0.85	1.06	1.27	1.06	1.06	0.85
270.0	0.00	0.21	0.21	0.21	0.64	0.64	0.85	0.64	0.64
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.21	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.21	0.42

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