



Shenzhen Belling Efficiency Testing Laboratory Co.,Ltd.
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Client:

LumCAT: LSG3-HO-5CCT-5SSL-2700K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.08

LampCAT:

Current(A): 0.0930

Lamp flux(lm): -1.0

Power (W): 10.89

Number of Lamps: 0

PF: 0.9784

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 839.63, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 77.13

Central intensity(cd): 501.947, Maximum intensity(cd): 1490.809

Angle of maximum intensity: C=0.0 γ =25.0

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

[C90/270]Total=37.2

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

[C90/270]Total=90.6

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(%): 0.06%

Down flux rate of LUM(%): 99.94%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.030%

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

Date:
Humidity(%): 59%

Operator: Tester

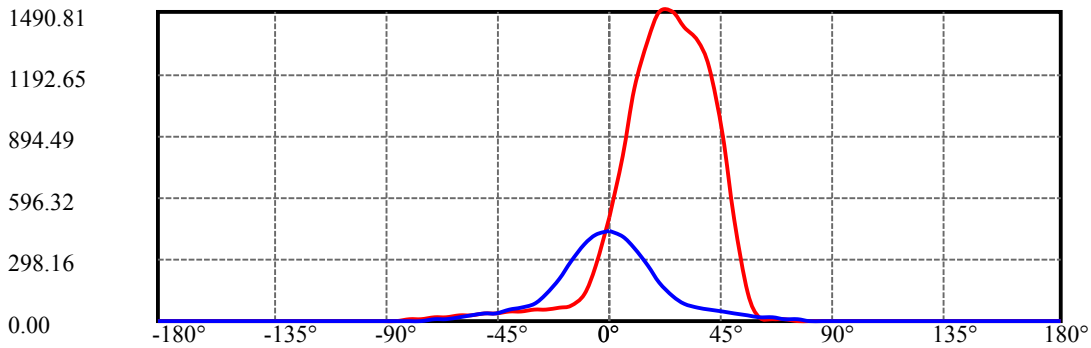
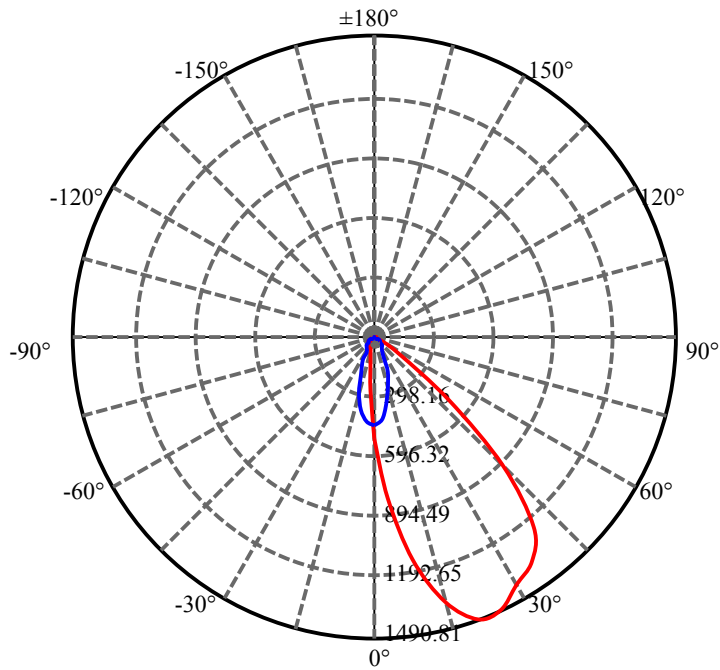
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	471.885	0.000	0	0.00%	0.00%
5.0	478.845	11.366	11.366	0.00%	1.35%
10.0	497.157	34.915	46.28	0.00%	5.51%
15.0	505.652	59.486	105.766	0.00%	12.60%
20.0	497.025	82.635	188.401	0.00%	22.44%
25.0	462.729	100.660	289.061	0.00%	34.43%
30.0	408.295	110.229	399.29	0.00%	47.56%
35.0	346.954	111.216	510.506	0.00%	60.80%
40.0	279.580	104.532	615.038	0.00%	73.25%
45.0	195.693	88.000	703.038	0.00%	83.73%
50.0	110.932	61.958	764.996	0.00%	91.11%
55.0	45.357	33.982	798.979	0.00%	95.16%
60.0	22.599	15.708	814.687	0.00%	97.03%
65.0	15.269	9.206	823.893	0.00%	98.13%
70.0	10.373	6.493	830.386	0.00%	98.90%
75.0	6.431	4.392	834.778	0.00%	99.42%
80.0	3.599	2.684	837.461	0.00%	99.74%
85.0	1.244	1.316	838.777	0.00%	99.90%
90.0	0.079	0.362	839.14	0.00%	99.94%
95.0	0.053	0.036	839.176	0.00%	99.95%
100.0	0.000	0.014	839.19	0.00%	99.95%
105.0	0.000	0.000	839.19	0.00%	99.95%
110.0	0.000	0.000	839.19	0.00%	99.95%
115.0	0.000	0.000	839.19	0.00%	99.95%
120.0	0.000	0.000	839.19	0.00%	99.95%
125.0	0.000	0.000	839.19	0.00%	99.95%
130.0	0.027	0.006	839.196	0.00%	99.95%
135.0	0.053	0.016	839.212	0.00%	99.95%
140.0	0.132	0.034	839.246	0.00%	99.95%
145.0	0.159	0.049	839.295	0.00%	99.96%
150.0	0.238	0.058	839.353	0.00%	99.97%
155.0	0.344	0.074	839.427	0.00%	99.98%
160.0	0.371	0.075	839.502	0.00%	99.99%
165.0	0.265	0.052	839.554	0.00%	99.99%
170.0	0.318	0.035	839.589	0.00%	100.00%
175.0	0.397	0.026	839.615	0.00%	100.00%
180.0	0.476	0.010	839.625	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	399.29	N.A.	47.56%
0-40	615.04	N.A.	73.25%
0-60	814.69	N.A.	97.03%
0-90	839.14	N.A.	99.94%
0-120	839.19	N.A.	99.95%
0-180	839.63	N.A.	100.00%
60-90	24.45	N.A.	2.91%
90-120	0.05	N.A.	0.01%
90-130	0.06	N.A.	0.01%
90-150	0.21	N.A.	0.03%
90-180	0.47	N.A.	0.06%
0-43.22	671.70	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	46.28
10-20	142.12
20-30	210.89
30-40	215.75
40-50	149.96
50-60	49.69
60-70	15.70
70-80	7.08
80-90	1.68
90-100	0.05
100-110	0.00
110-120	0.00
120-130	0.01
130-140	0.05
140-150	0.11
150-160	0.15
160-170	0.09
170-180	0.03

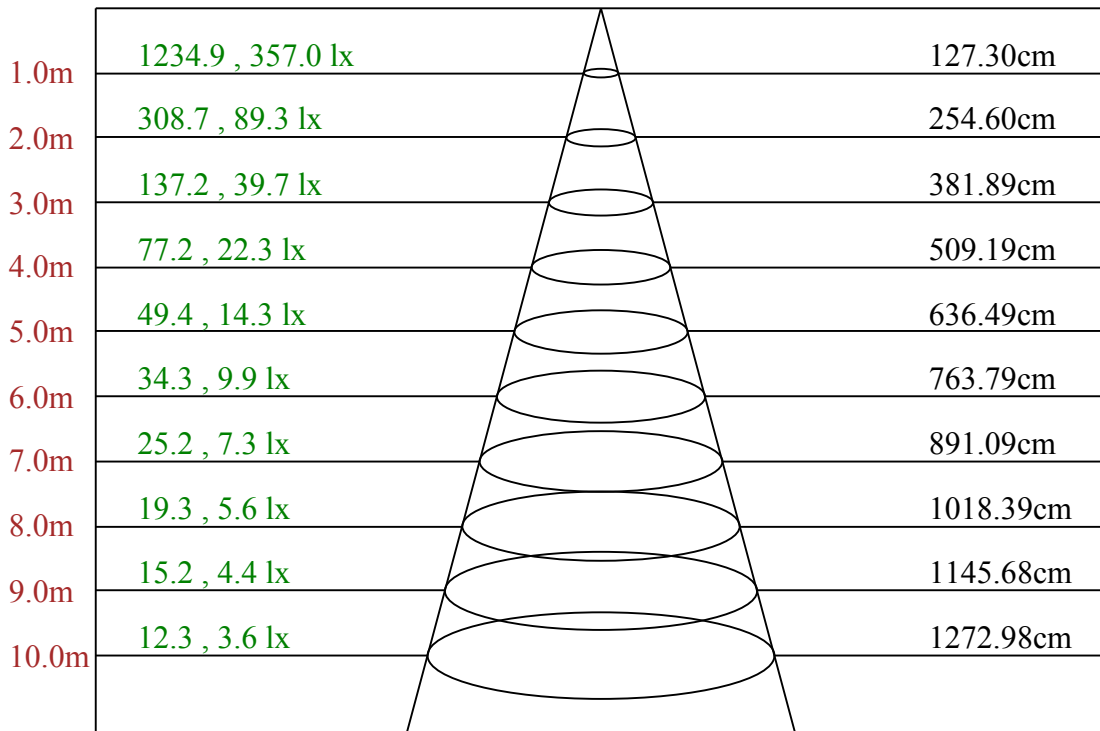


C0/C180: ———

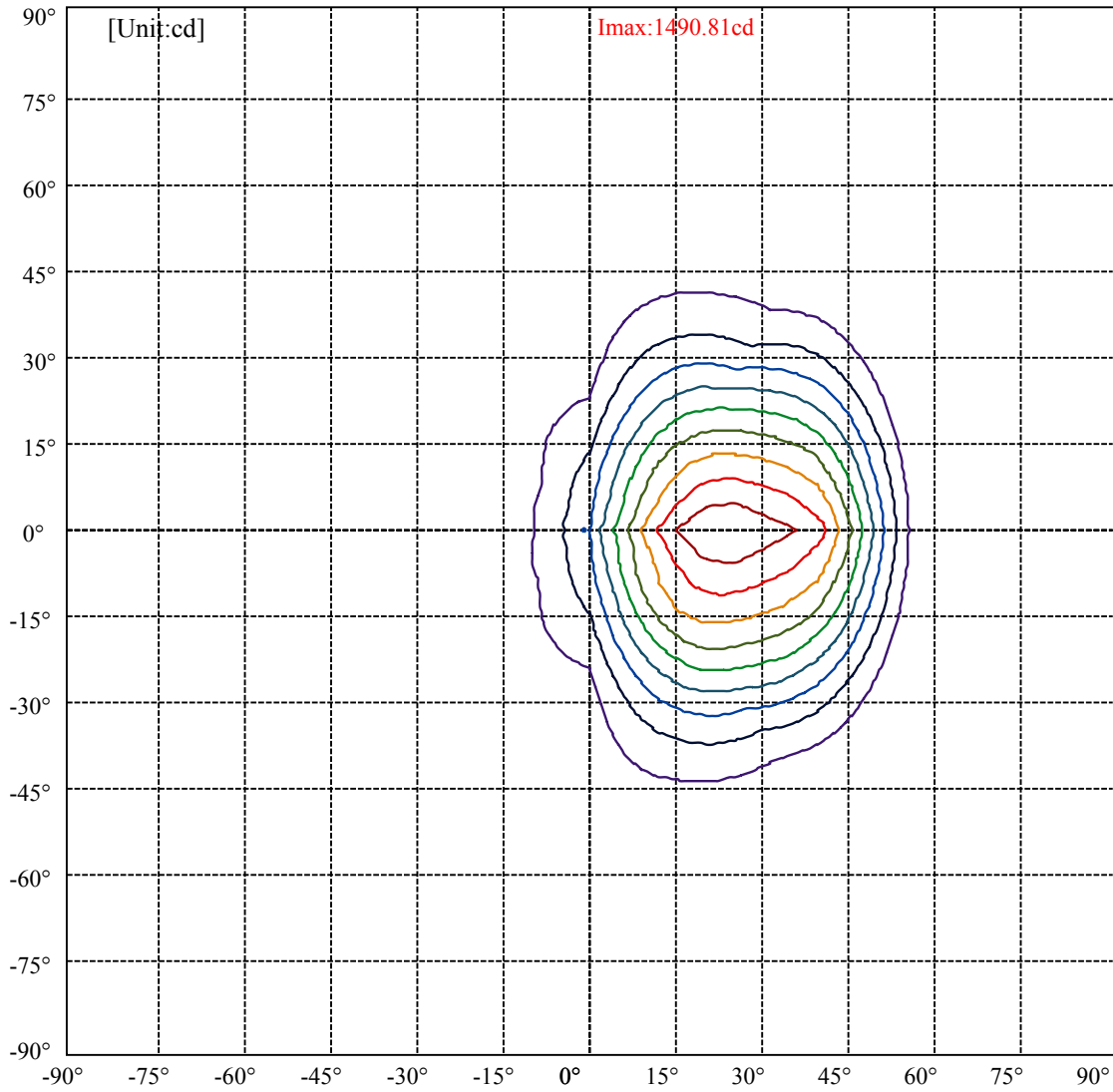
C90/C270: ———

Field angle(10%Imax):C0/180Left:9.5 Right:54.8
:C90/270Left:44.1 Right:46.5

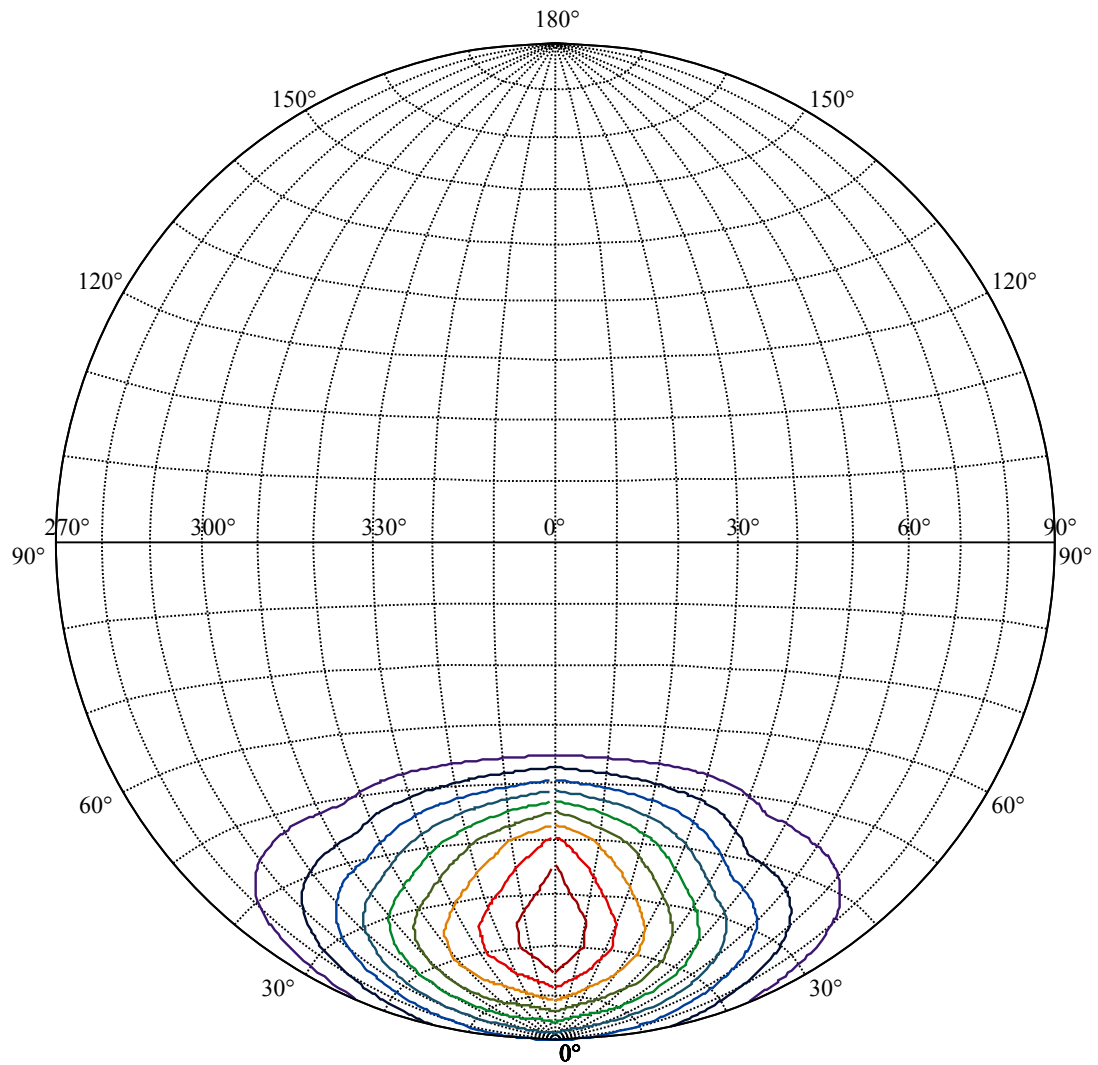
Beam Angle(50%Imax):C0/180Left:4.1 Right:46.9
:C90/270Left:19.1 Right:18.1



Max , Ave Beam angle of C0 plane 64.95



(10%Imax)	149.081	—
(20%Imax)	298.162	—
(30%Imax)	447.243	—
(40%Imax)	596.324	—
(50%Imax)	745.404	—
(60%Imax)	894.485	—
(70%Imax)	1043.57	—
(80%Imax)	1192.65	—
(90%Imax)	1341.73	—












House

[Unit:cd]

Road

Imax:1490.81

(10%Imax)	149.081	
(20%Imax)	298.162	
(30%Imax)	447.243	
(40%Imax)	596.324	
(50%Imax)	745.404	
(60%Imax)	894.485	
(70%Imax)	1043.57	
(80%Imax)	1192.65	
(90%Imax)	1341.73	

LSG3-HO-5CCT-5SSL-2700K

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	501.95	800.66	1120.33	1355.11	1488.27	1490.81	1413.75	1352.78	1222.79
45.0	468.71	641.46	789.44	876.03	883.86	821.62	690.15	506.39	326.87
90.0	435.68	411.34	351.43	270.13	186.72	120.25	79.60	61.61	53.56
135.0	481.20	299.35	169.36	96.75	69.23	61.61	56.31	51.23	45.94
180.0	501.95	270.77	134.22	77.91	64.99	59.07	53.77	48.48	44.03
225.0	468.71	306.12	186.72	107.55	72.19	61.82	56.10	49.96	43.82
270.0	435.68	418.96	367.09	286.22	202.81	129.56	84.05	62.24	52.50
315.0	481.20	682.11	858.67	975.53	1008.13	957.11	832.63	642.94	447.12
360.0	501.95	800.66	1120.33	1355.11	1488.27	1490.81	1413.75	1352.78	1222.79

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	898.89	486.49	135.07	22.86	12.70	6.14	1.69	0.85	0.00
45.0	194.98	103.73	43.82	26.04	15.03	8.05	3.60	1.69	0.00
90.0	45.94	37.90	30.27	21.17	14.82	10.16	6.14	3.18	1.06
135.0	40.86	35.78	30.91	25.62	19.27	15.03	10.80	6.14	2.33
180.0	39.59	35.14	28.79	25.19	21.59	17.36	12.49	7.62	3.18
225.0	37.90	32.39	27.73	23.50	16.30	12.70	8.68	4.87	1.48
270.0	41.49	33.24	23.71	15.67	10.16	6.77	4.45	2.12	0.85
315.0	265.90	122.79	42.55	20.75	12.28	6.77	3.60	2.33	1.06
360.0	898.89	486.49	135.07	22.86	12.70	6.14	1.69	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	0.21
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.64	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	0.21	0.21	0.21	0.42	0.64
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	0.21	0.21
180.0	0.42	0.42	0.64	0.64	0.85	0.85	0.42	0.21	0.21
225.0	0.00	0.42	0.42	0.85	1.06	1.06	0.85	0.85	0.64
270.0	0.00	0.21	0.21	0.21	0.42	0.64	0.42	0.42	0.85
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.21
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	0.42
45.0	0.64
90.0	0.64
135.0	0.21
180.0	0.42
225.0	0.64
270.0	0.64
315.0	0.21
360.0	0.42