



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

LumCAT: LL4SR-5CCT-5000K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.13

LampCAT:

Current(A): 0.1200

Lamp flux(lm): -1.0

Power (W): 14.15

Number of Lamps: 1

PF: 0.9860

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 886.92, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 62.68

Central intensity(cd): 350.768, Maximum intensity(cd): 350.768

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=105.1

[C90/270]Total=104.4

Field angle(10%Imax): [C0/180]Total=148.5

[C90/270]Total=149.1

Maximum s/h(1/2): C0_180=1.24 C90_270=1.24

Maximum s/h(1/4): C0_180=1.34 C90_270=1.35

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.51%

Down flux rate of LUM(%): 99.49%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 84.394%

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

Date:
Humidity(%): 58%

Operator: Sam

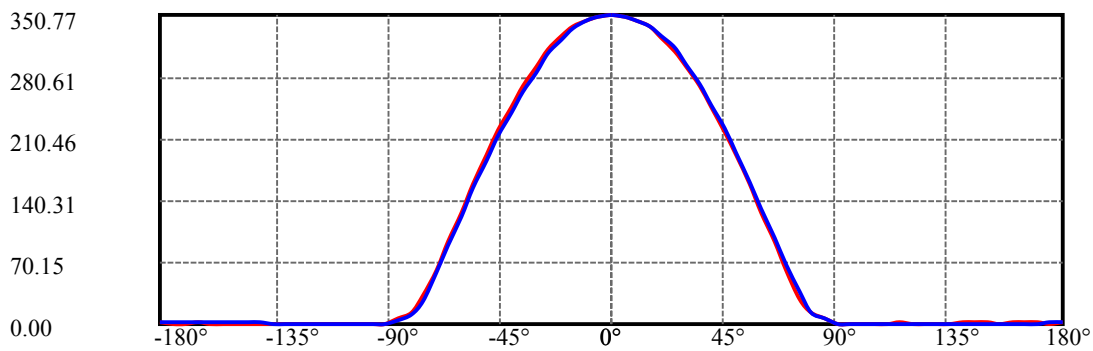
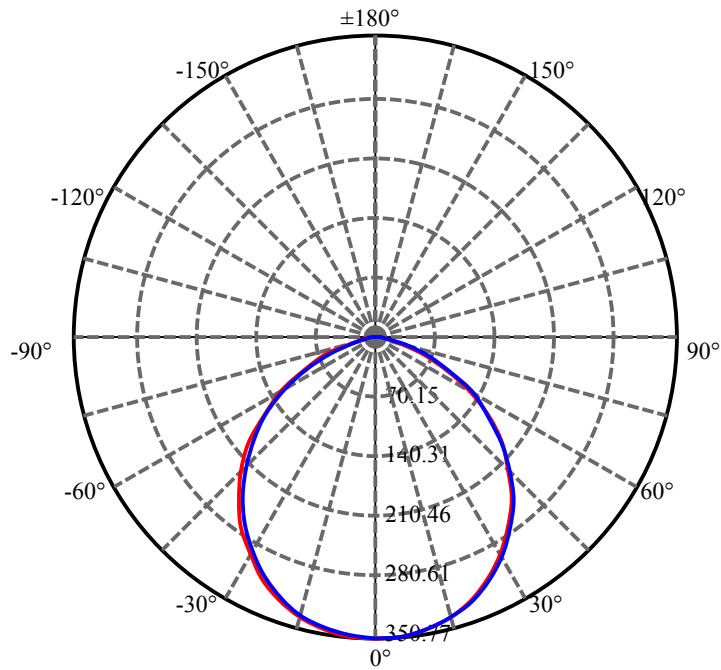
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	350.768	0.000	0	0.00%	0.00%
5.0	349.230	8.368	8.368	0.00%	0.94%
10.0	344.704	24.824	33.192	0.00%	3.74%
15.0	336.951	40.435	73.628	0.00%	8.30%
20.0	325.863	54.625	128.253	0.00%	14.46%
25.0	310.912	66.786	195.039	0.00%	21.99%
30.0	292.017	76.301	271.34	0.00%	30.59%
35.0	269.974	82.757	354.097	0.00%	39.92%
40.0	245.231	85.958	440.055	0.00%	49.62%
45.0	218.054	85.781	525.836	0.00%	59.29%
50.0	188.945	82.240	608.076	0.00%	68.56%
55.0	157.269	75.278	683.354	0.00%	77.05%
60.0	124.613	65.156	748.51	0.00%	84.39%
65.0	91.694	52.585	801.095	0.00%	90.32%
70.0	60.388	38.508	839.603	0.00%	94.67%
75.0	31.570	24.036	863.639	0.00%	97.38%
80.0	13.099	11.952	875.592	0.00%	98.72%
85.0	5.557	5.069	880.661	0.00%	99.29%
90.0	0.635	1.695	882.357	0.00%	99.49%
95.0	0.397	0.283	882.639	0.00%	99.52%
100.0	0.503	0.245	882.884	0.00%	99.55%
105.0	0.476	0.262	883.146	0.00%	99.57%
110.0	0.476	0.249	883.395	0.00%	99.60%
115.0	0.741	0.308	883.703	0.00%	99.64%
120.0	0.582	0.322	884.024	0.00%	99.67%
125.0	0.688	0.294	884.318	0.00%	99.71%
130.0	0.741	0.311	884.629	0.00%	99.74%
135.0	0.821	0.316	884.944	0.00%	99.78%
140.0	1.112	0.358	885.302	0.00%	99.82%
145.0	1.006	0.353	885.655	0.00%	99.86%
150.0	1.085	0.308	885.963	0.00%	99.89%
155.0	1.085	0.275	886.238	0.00%	99.92%
160.0	1.165	0.236	886.474	0.00%	99.95%
165.0	1.165	0.192	886.666	0.00%	99.97%
170.0	1.191	0.140	886.805	0.00%	99.99%
175.0	1.165	0.084	886.89	0.00%	100.00%
180.0	1.270	0.029	886.919	0.00%	100.00%

ZONAL LUMEN SUMMARY

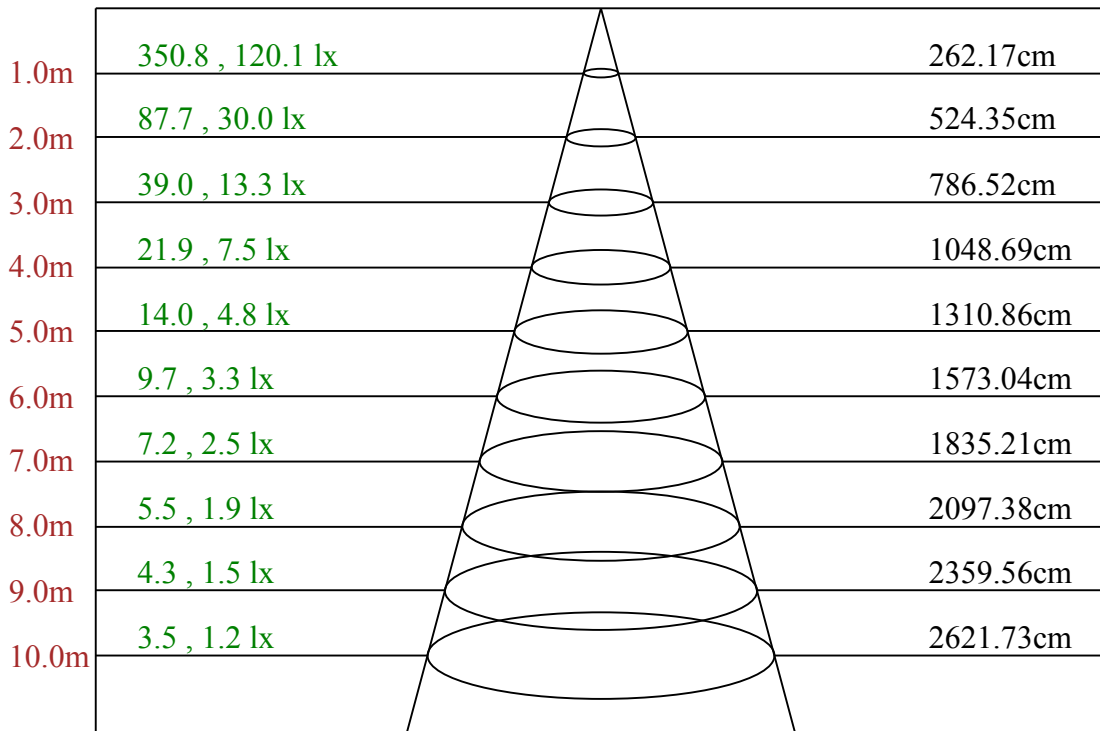
Zone	Lumens	%Lamp	%Fixt
0-30	271.34	N.A.	30.59%
0-40	440.06	N.A.	49.62%
0-60	748.51	N.A.	84.39%
0-90	882.36	N.A.	99.49%
0-120	884.02	N.A.	99.67%
0-180	886.92	N.A.	100.00%
60-90	133.85	N.A.	15.09%
90-120	1.67	N.A.	0.19%
90-130	2.27	N.A.	0.26%
90-150	3.61	N.A.	0.41%
90-180	4.53	N.A.	0.51%
0-57.01	709.54	N.A.	80.00%

ZONAL LUMEN SUMMARY

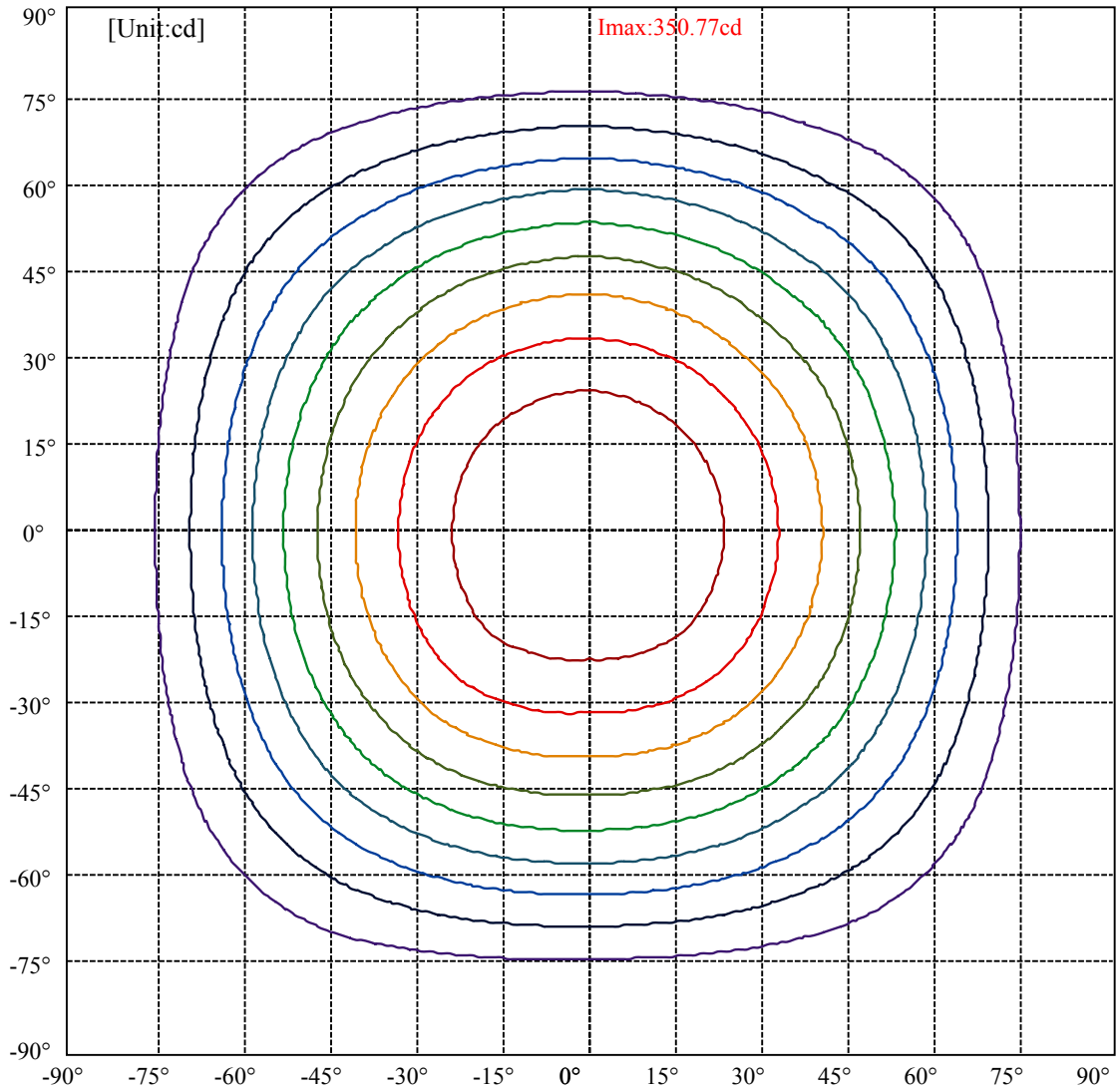
0-10	33.19
10-20	95.06
20-30	143.09
30-40	168.72
40-50	168.02
50-60	140.43
60-70	91.09
70-80	35.99
80-90	6.76
90-100	0.53
100-110	0.51
110-120	0.63
120-130	0.60
130-140	0.67
140-150	0.66
150-160	0.51
160-170	0.33
170-180	0.08



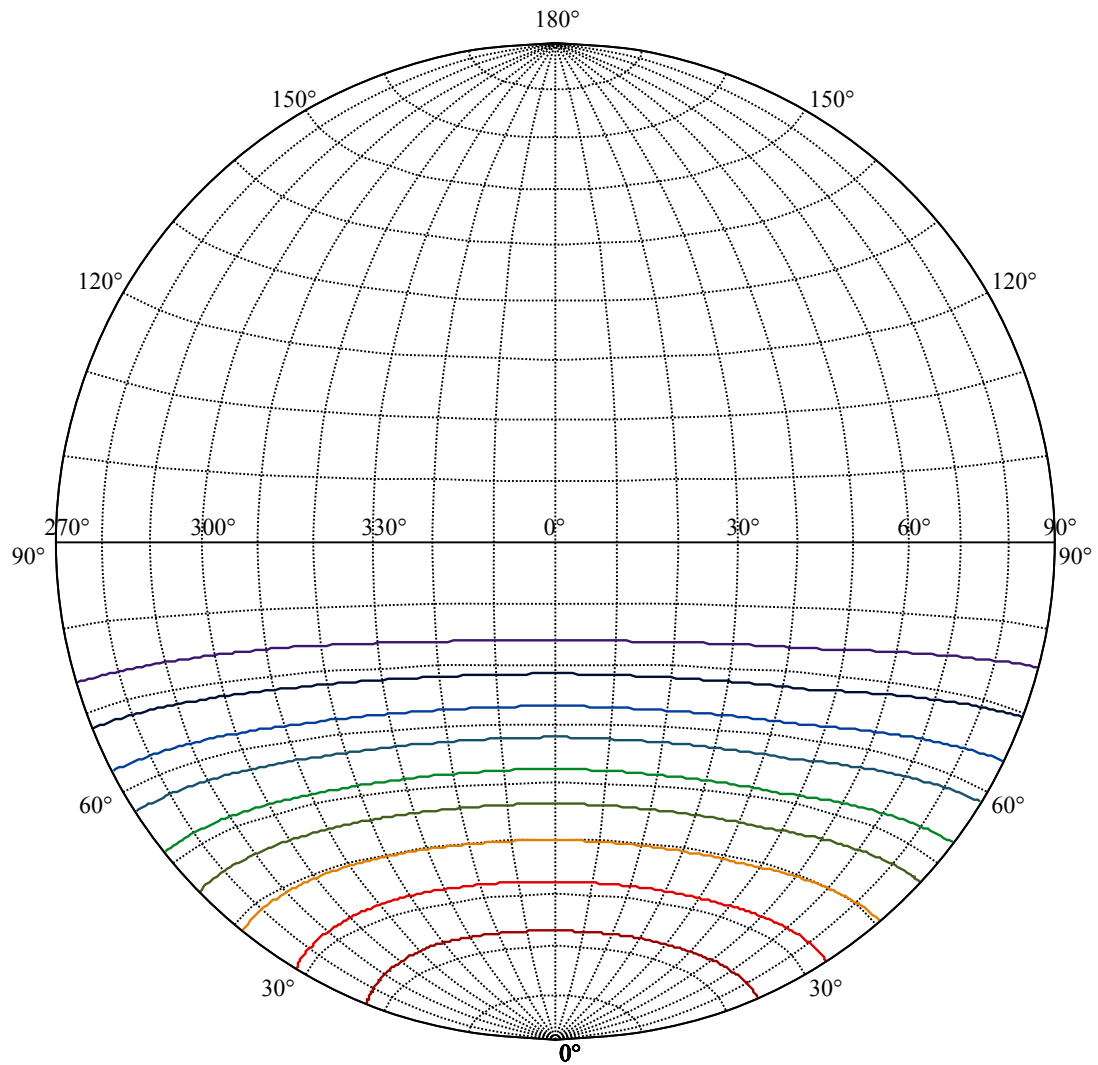
C0/C180: —
C90/C270: —
Field angle(10%Imax):C0/180Left:74.6 Right:73.9
:C90/270Left:73.6 Right:75.5
Beam Angle(50%Imax):C0/180Left:52.6 Right:52.5
:C90/270Left:51.5 Right:52.9



Max , Ave Beam angle of C0 plane 105.32



(10%Imax)	35.0768	—
(20%Imax)	70.1536	—
(30%Imax)	105.23	—
(40%Imax)	140.307	—
(50%Imax)	175.384	—
(60%Imax)	210.461	—
(70%Imax)	245.538	—
(80%Imax)	280.614	—
(90%Imax)	315.691	—



House

[Unit:cd]

Road

I_{max}:350.77

(10%I_{max}) 35.0768

(20%I_{max}) 70.1536

(30%I_{max}) 105.23

(40%I_{max}) 140.307

(50%I_{max}) 175.384

(60%I_{max}) 210.461

(70%I_{max}) 245.538

(80%I_{max}) 280.614

(90%I_{max}) 315.691



LL4SR-5CCT-5000K

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	350.77	349.52	345.08	337.24	325.39	309.30	290.88	269.71	245.58
45.0	350.77	349.10	344.23	336.18	325.18	309.72	289.82	267.38	241.13
90.0	350.77	349.10	345.08	338.09	327.08	312.69	293.42	271.83	248.54
135.0	350.77	349.52	344.86	337.24	326.66	312.47	294.27	272.46	247.06
180.0	350.77	349.31	344.65	337.24	326.45	311.41	292.57	271.19	247.06
225.0	350.77	349.52	345.50	338.09	327.29	314.17	296.17	274.37	248.54
270.0	350.77	348.46	343.38	334.70	323.06	306.33	286.43	263.78	240.07
315.0	350.77	349.31	344.86	336.82	325.81	311.20	292.57	269.07	243.88
360.0	350.77	349.52	345.08	337.24	325.39	309.30	290.88	269.71	245.58

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	218.69	191.38	159.62	126.18	92.73	60.34	27.95	12.49	5.50
45.0	213.18	183.33	151.58	119.61	86.38	55.47	29.00	11.64	4.23
90.0	222.71	193.28	162.16	131.47	98.65	66.90	37.26	13.55	5.93
135.0	218.90	188.84	157.30	123.63	90.19	60.12	33.03	14.61	6.14
180.0	220.38	192.65	159.20	126.60	92.94	61.61	32.81	13.13	6.56
225.0	221.44	191.59	159.62	126.39	94.21	63.09	35.78	15.88	6.77
270.0	213.18	184.61	154.76	122.15	89.55	57.80	26.25	10.80	4.02
315.0	215.94	185.88	153.91	120.88	88.92	57.80	30.49	12.70	5.29
360.0	218.69	191.38	159.62	126.18	92.73	60.34	27.95	12.49	5.50

C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.64	0.64	0.85	0.64	0.64	1.27	0.64	0.85	1.06
45.0	0.85	0.42	0.64	0.64	0.42	0.64	0.64	1.06	0.85
90.0	0.42	0.00	0.21	0.21	0.21	0.42	0.42	0.42	0.64
135.0	0.64	0.21	0.21	0.42	0.42	0.64	0.42	0.21	0.42
180.0	0.64	0.21	0.21	0.21	0.21	0.42	0.42	0.64	0.64
225.0	0.85	0.21	0.42	0.21	0.42	0.42	0.42	0.42	0.42
270.0	0.42	0.64	0.85	0.85	0.85	1.06	0.85	1.06	1.06
315.0	0.64	0.85	0.64	0.64	0.64	1.06	0.85	0.85	0.85
360.0	0.64	0.64	0.85	0.64	0.64	1.27	0.64	0.85	1.06

C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	1.06	1.27	1.27	1.27	1.06	1.27	1.48	1.27	1.06
45.0	0.85	1.27	1.27	1.06	1.27	1.27	1.06	1.06	1.27
90.0	0.64	0.85	0.85	0.85	1.06	1.06	1.06	1.06	1.27
135.0	0.64	0.85	0.85	1.06	1.06	1.06	1.06	1.27	1.06
180.0	0.85	0.85	0.85	0.85	0.64	1.06	1.27	1.06	1.06
225.0	0.64	0.85	0.85	0.85	1.06	1.06	1.06	1.06	1.06
270.0	1.06	1.48	1.27	1.48	1.27	1.48	1.27	1.48	1.27
315.0	0.85	1.48	0.85	1.27	1.27	1.06	1.06	1.27	1.27
360.0	1.06	1.27	1.27	1.27	1.06	1.27	1.48	1.27	1.06

C/γ(°)	180.0
0.0	1.27
45.0	1.27
90.0	1.27
135.0	1.27
180.0	1.27
225.0	1.27
270.0	1.27
315.0	1.27
360.0	1.27