



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

LumCAT: LL4SR-5CCT-3500K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.14

LampCAT:

Current(A): 0.1130

Lamp flux(lm): -1.0

Power (W): 13.33

Number of Lamps: 1

PF: 0.9844

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 887.93, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 66.60

Central intensity(cd): 350.815, Maximum intensity(cd): 350.815

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=104.9

[C90/270]Total=104.5

Field angle(10%Imax): [C0/180]Total=148.6

[C90/270]Total=149.2

Maximum s/h(1/2): C0_180=1.25 C90_270=1.24

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

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.54%

Down flux rate of LUM(%): 99.46%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 84.340%

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

Date:
Humidity(%): 58%

Operator: Sam

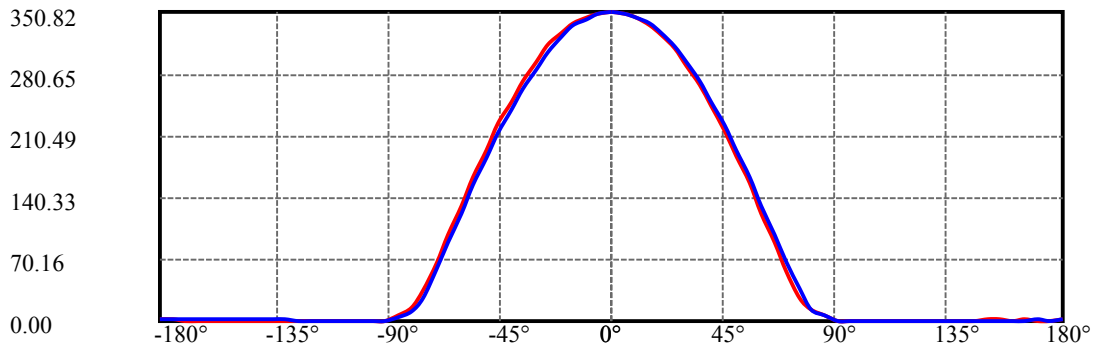
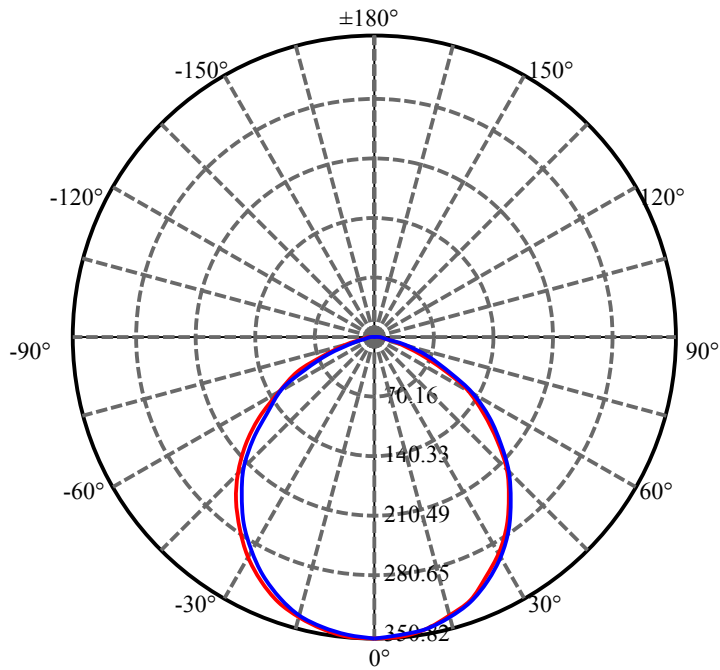
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	350.815	0.000	0	0.00%	0.00%
5.0	349.230	8.369	8.369	0.00%	0.94%
10.0	344.784	24.827	33.196	0.00%	3.74%
15.0	336.951	40.440	73.636	0.00%	8.29%
20.0	325.969	54.634	128.27	0.00%	14.45%
25.0	310.965	66.803	195.072	0.00%	21.97%
30.0	292.150	76.325	271.397	0.00%	30.57%
35.0	270.027	82.784	354.181	0.00%	39.89%
40.0	245.231	85.967	440.148	0.00%	49.57%
45.0	218.318	85.830	525.978	0.00%	59.24%
50.0	189.050	82.315	608.293	0.00%	68.51%
55.0	157.533	75.359	683.652	0.00%	76.99%
60.0	124.640	65.223	748.875	0.00%	84.34%
65.0	91.905	52.642	801.518	0.00%	90.27%
70.0	60.494	38.588	840.106	0.00%	94.61%
75.0	32.047	24.189	864.295	0.00%	97.34%
80.0	13.099	12.080	876.374	0.00%	98.70%
85.0	5.584	5.077	881.451	0.00%	99.27%
90.0	0.715	1.724	883.175	0.00%	99.46%
95.0	0.450	0.319	883.494	0.00%	99.50%
100.0	0.476	0.252	883.746	0.00%	99.53%
105.0	0.503	0.262	884.008	0.00%	99.56%
110.0	0.582	0.284	884.291	0.00%	99.59%
115.0	0.609	0.302	884.593	0.00%	99.62%
120.0	0.688	0.315	884.908	0.00%	99.66%
125.0	0.768	0.336	885.244	0.00%	99.70%
130.0	0.873	0.357	885.601	0.00%	99.74%
135.0	0.900	0.358	885.959	0.00%	99.78%
140.0	0.979	0.348	886.307	0.00%	99.82%
145.0	1.006	0.331	886.639	0.00%	99.85%
150.0	1.138	0.316	886.954	0.00%	99.89%
155.0	1.165	0.291	887.246	0.00%	99.92%
160.0	1.138	0.242	887.487	0.00%	99.95%
165.0	1.191	0.192	887.679	0.00%	99.97%
170.0	1.165	0.140	887.819	0.00%	99.99%
175.0	1.138	0.082	887.901	0.00%	100.00%
180.0	1.153	0.027	887.929	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	271.40	N.A.	30.57%
0-40	440.15	N.A.	49.57%
0-60	748.88	N.A.	84.34%
0-90	883.18	N.A.	99.46%
0-120	884.91	N.A.	99.66%
0-180	887.93	N.A.	100.00%
60-90	134.30	N.A.	15.13%
90-120	1.73	N.A.	0.20%
90-130	2.43	N.A.	0.27%
90-150	3.78	N.A.	0.43%
90-180	4.73	N.A.	0.53%
0-57.05	710.34	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	33.20
10-20	95.07
20-30	143.13
30-40	168.75
40-50	168.14
50-60	140.58
60-70	91.23
70-80	36.27
80-90	6.80
90-100	0.57
100-110	0.55
110-120	0.62
120-130	0.69
130-140	0.71
140-150	0.65
150-160	0.53
160-170	0.33
170-180	0.08

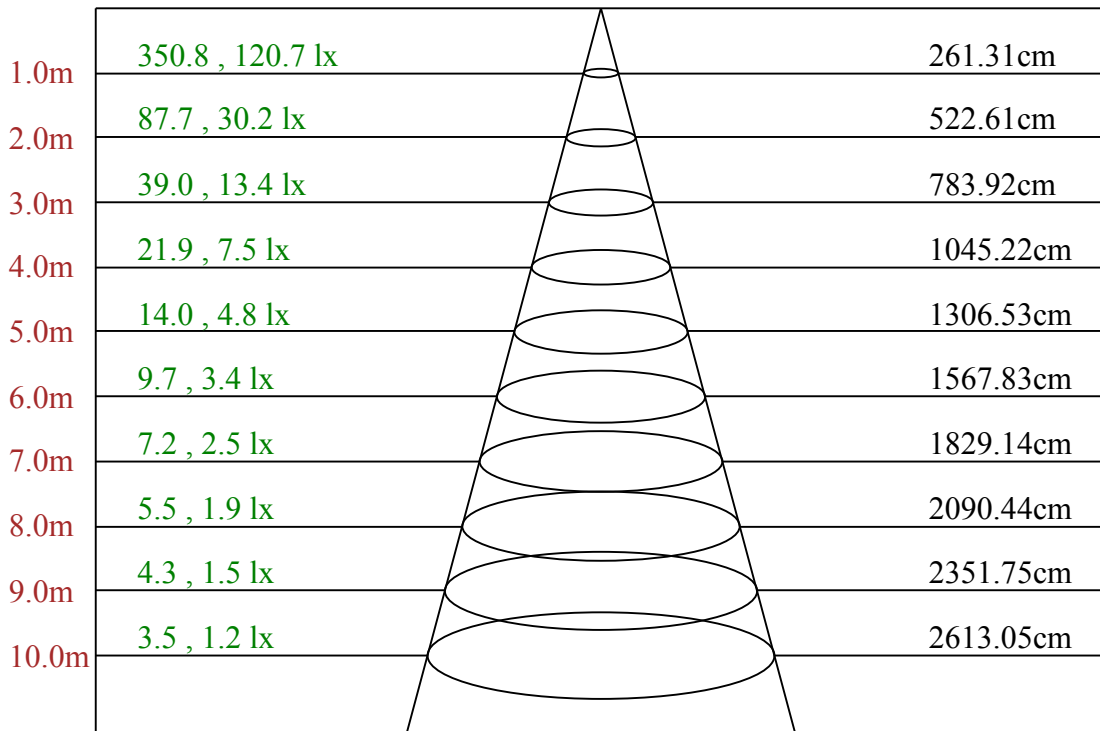


C0/C180: —

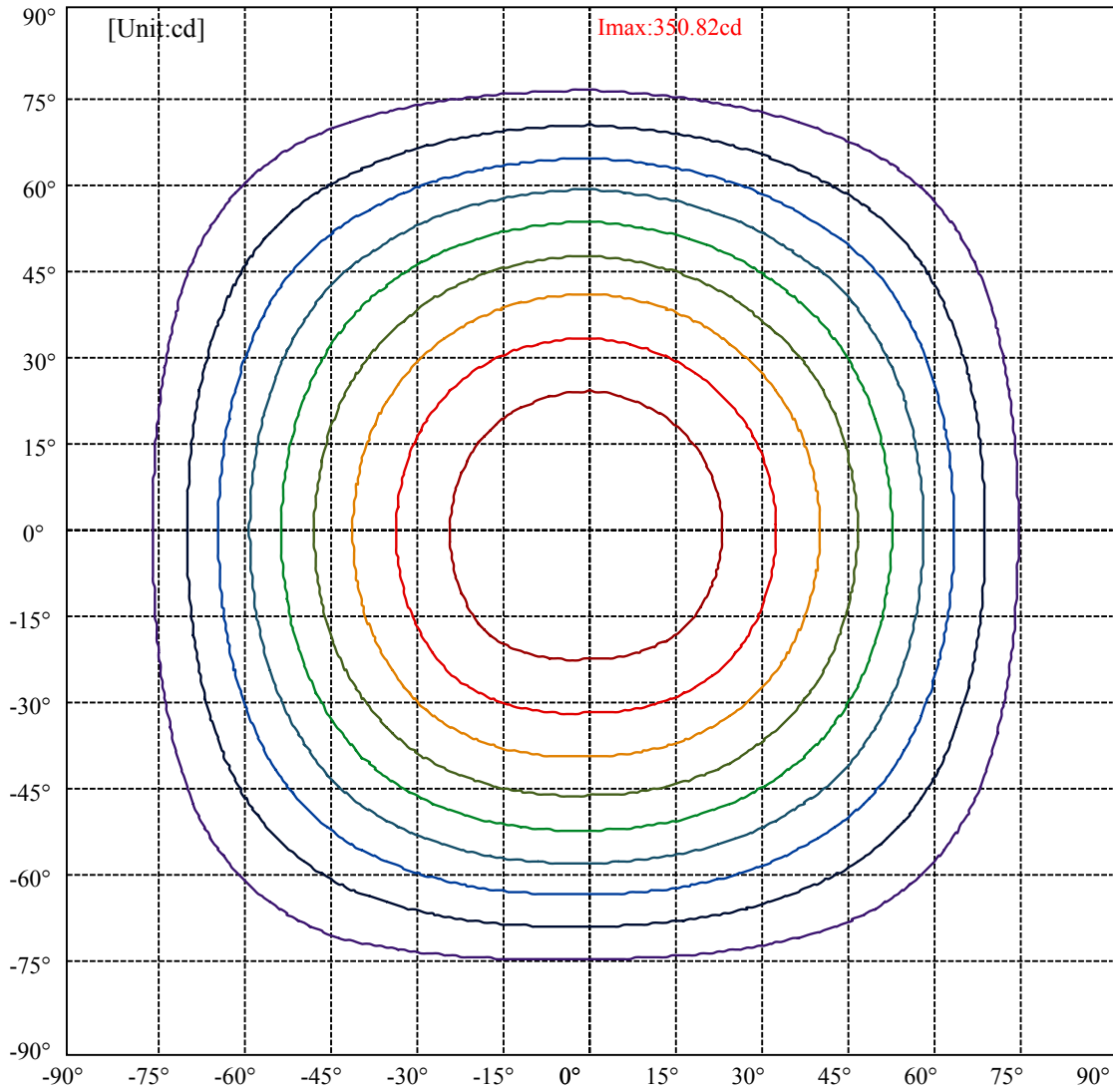
C90/C270: —

Field angle(10%Imax):C0/180Left:75.0 Right:73.6
 :C90/270Left:73.6 Right:75.6

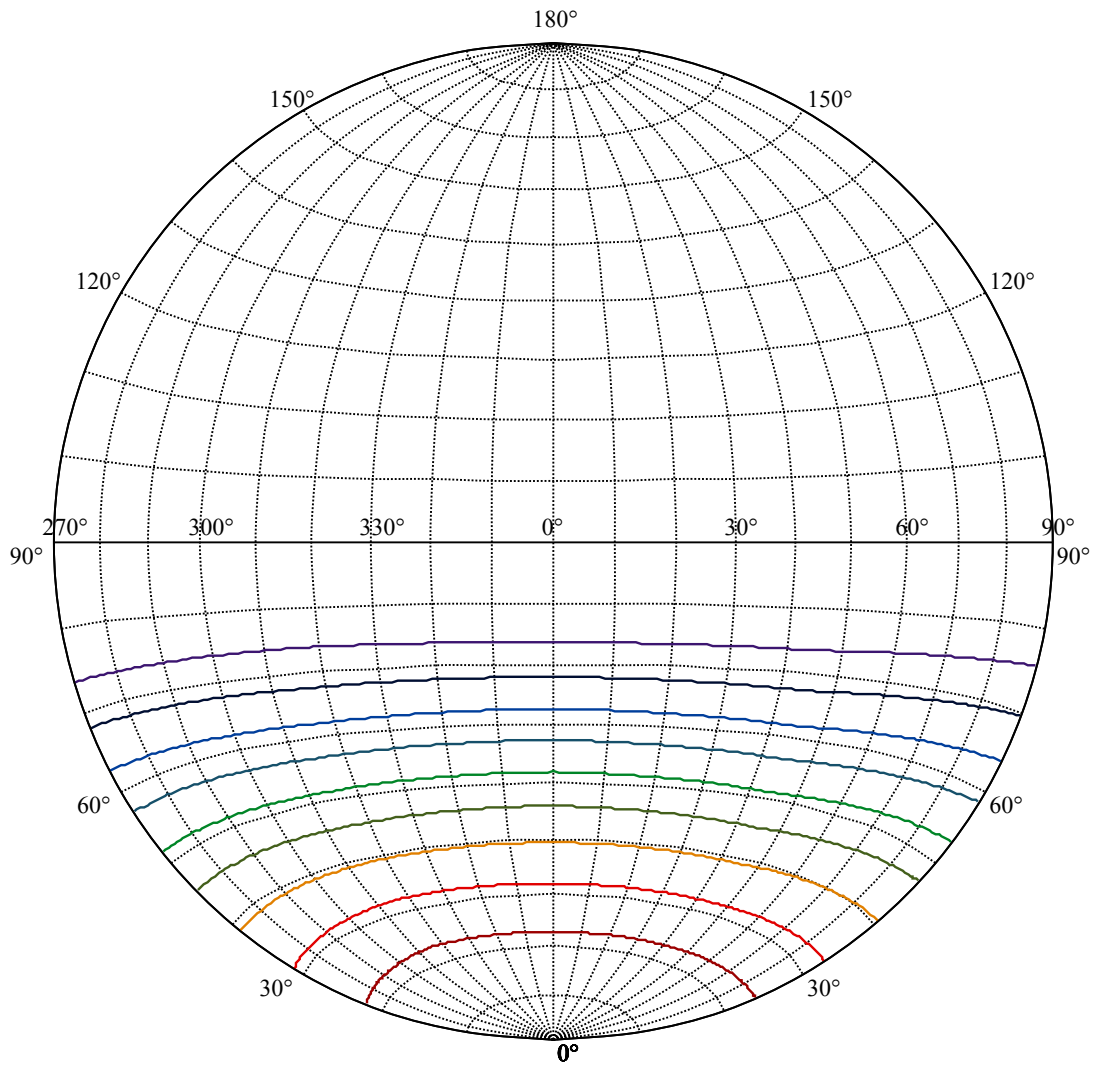
Beam Angle(50%Imax):C0/180Left:53.0 Right:51.9
 :C90/270Left:51.5 Right:53.0



Max , Ave Beam angle of C0 plane 105.14



(10%Imax)	35.0815	—
(20%Imax)	70.163	—
(30%Imax)	105.244	—
(40%Imax)	140.326	—
(50%Imax)	175.408	—
(60%Imax)	210.489	—
(70%Imax)	245.57	—
(80%Imax)	280.652	—
(90%Imax)	315.733	—



House

[Unit:cd]

Road

Imax:350.82

(10%Imax) 35.0815	—
(20%Imax) 70.163	—
(30%Imax) 105.244	—
(40%Imax) 140.326	—
(50%Imax) 175.408	—
(60%Imax) 210.489	—
(70%Imax) 245.57	—
(80%Imax) 280.652	—
(90%Imax) 315.733	—

LL4SR-5CCT-3500K

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	350.82	349.52	344.65	336.40	324.96	308.45	289.19	268.02	243.46
45.0	350.82	349.52	344.65	336.18	324.33	309.72	289.82	266.32	241.13
90.0	350.82	348.67	344.86	337.67	327.50	312.26	293.21	272.04	248.54
135.0	350.82	349.52	345.08	337.45	327.50	312.90	295.54	273.31	248.12
180.0	350.82	349.52	345.08	337.67	327.29	312.90	294.48	272.89	248.96
225.0	350.82	350.37	346.35	338.72	328.77	315.01	297.02	275.64	250.23
270.0	350.82	347.83	343.17	334.70	322.42	306.12	286.43	263.99	239.65
315.0	350.82	348.89	344.44	336.82	324.96	310.36	291.51	268.02	241.76
360.0	350.82	349.52	344.65	336.40	324.96	308.45	289.19	268.02	243.46
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	216.57	187.57	156.24	122.79	89.34	56.74	26.89	12.49	5.50
45.0	212.13	182.91	150.73	117.28	85.10	54.20	27.73	11.01	4.23
90.0	222.50	193.92	163.01	130.83	98.23	67.75	37.90	13.55	5.72
135.0	220.17	190.96	158.99	125.33	92.94	61.82	35.35	14.61	6.56
180.0	224.62	194.56	162.59	130.20	97.60	64.78	35.14	14.18	6.56
225.0	222.92	192.86	161.95	128.50	95.90	64.15	37.47	16.30	6.77
270.0	213.82	184.82	154.12	122.58	89.97	58.01	26.46	10.59	4.23
315.0	213.82	184.82	152.64	119.61	86.16	56.53	29.43	12.07	5.08
360.0	216.57	187.57	156.24	122.79	89.34	56.74	26.89	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	0.42	0.85	0.64	0.85	1.06	1.06	0.85	1.06
45.0	0.64	0.85	0.64	0.64	0.64	0.64	0.85	1.06	1.06
90.0	0.85	0.00	0.42	0.21	0.42	0.42	0.42	0.42	0.85
135.0	0.64	0.21	0.00	0.21	0.42	0.42	0.42	0.64	0.42
180.0	0.64	0.42	0.21	0.00	0.42	0.42	0.42	0.42	0.64
225.0	0.85	0.42	0.42	0.42	0.21	0.21	0.42	0.64	0.42
270.0	0.85	0.85	0.64	1.06	0.85	0.85	1.06	1.06	1.27
315.0	0.64	0.42	0.64	0.85	0.85	0.85	0.85	1.06	1.27
360.0	0.64	0.42	0.85	0.64	0.85	1.06	1.06	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	1.06	1.06	1.27	1.27	1.06	1.27	1.06	1.06
45.0	1.06	1.06	0.85	1.27	1.06	1.27	1.27	1.27	1.27
90.0	0.42	0.85	1.06	1.06	1.06	1.06	1.06	1.27	1.06
135.0	0.85	0.85	0.64	0.85	0.85	1.06	1.06	1.06	1.06
180.0	0.64	0.64	0.85	1.06	1.06	1.06	1.06	1.06	1.27
225.0	0.64	0.85	0.85	0.85	1.06	0.85	1.27	1.06	1.06
270.0	1.48	1.48	1.48	1.48	1.48	1.48	1.27	1.48	1.27
315.0	1.06	1.06	1.27	1.27	1.48	1.27	1.27	1.06	1.06
360.0	1.06	1.06	1.06	1.27	1.27	1.06	1.27	1.06	1.06
C/γ(°)	180.0								
0.0	1.15								
45.0	1.15								
90.0	1.15								
135.0	1.15								
180.0	1.15								
225.0	1.15								
270.0	1.15								
315.0	1.15								
360.0	1.15								