



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

LumCAT: LL6RR-5CCT-3500K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.04

LampCAT:

Current(A): 0.1350

Lamp flux(lm): -1.0

Power (W): 15.93

Number of Lamps: 1

PF: 0.9868

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1329.65, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 83.47

Central intensity(cd): 527.633, Maximum intensity(cd): 527.633

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=102.3

[C90/270]Total=102.5

Field angle(10%Imax): [C0/180]Total=153.3

[C90/270]Total=153.1

Maximum s/h(1/2): C0_180=1.22 C90_270=1.23

Maximum s/h(1/4): C0_180=1.33 C90_270=1.34

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.42%

Down flux rate of LUM(%): 99.58%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 82.444%

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

Date:
Humidity(%): 58%

Operator: Sam

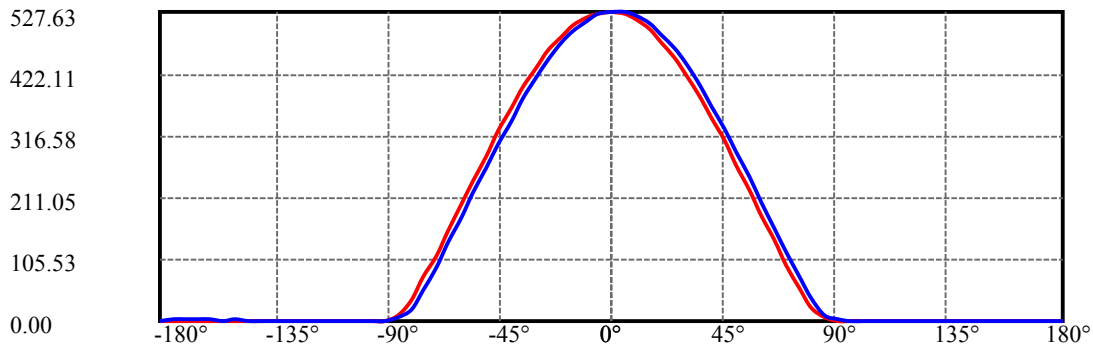
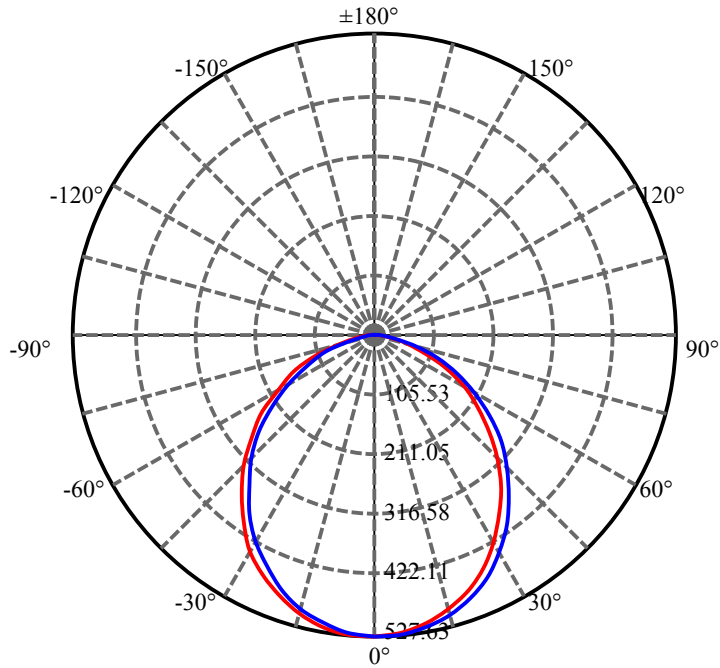
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	527.633	0.000	0	0.00%	0.00%
5.0	524.625	12.579	12.579	0.00%	0.95%
10.0	515.919	37.224	49.803	0.00%	3.75%
15.0	501.497	60.352	110.155	0.00%	8.28%
20.0	481.570	81.019	191.174	0.00%	14.38%
25.0	455.822	98.315	289.489	0.00%	21.77%
30.0	425.760	111.565	401.054	0.00%	30.16%
35.0	391.173	120.299	521.353	0.00%	39.21%
40.0	354.602	124.427	645.78	0.00%	48.57%
45.0	315.305	124.039	769.819	0.00%	57.90%
50.0	273.917	119.061	888.879	0.00%	66.85%
55.0	231.894	109.980	998.859	0.00%	75.12%
60.0	189.289	97.355	1096.214	0.00%	82.44%
65.0	146.233	81.566	1177.78	0.00%	88.58%
70.0	104.502	63.488	1241.268	0.00%	93.35%
75.0	64.966	44.296	1285.564	0.00%	96.68%
80.0	29.718	25.335	1310.899	0.00%	98.59%
85.0	8.733	10.448	1321.347	0.00%	99.38%
90.0	1.191	2.717	1324.064	0.00%	99.58%
95.0	0.476	0.456	1324.521	0.00%	99.61%
100.0	0.503	0.266	1324.787	0.00%	99.63%
105.0	0.503	0.269	1325.056	0.00%	99.65%
110.0	0.529	0.270	1325.326	0.00%	99.67%
115.0	0.635	0.295	1325.621	0.00%	99.70%
120.0	0.767	0.341	1325.961	0.00%	99.72%
125.0	0.953	0.398	1326.359	0.00%	99.75%
130.0	1.085	0.443	1326.802	0.00%	99.79%
135.0	1.138	0.449	1327.251	0.00%	99.82%
140.0	1.138	0.421	1327.673	0.00%	99.85%
145.0	1.244	0.397	1328.07	0.00%	99.88%
150.0	1.403	0.390	1328.46	0.00%	99.91%
155.0	1.297	0.342	1328.802	0.00%	99.94%
160.0	1.429	0.286	1329.087	0.00%	99.96%
165.0	1.509	0.242	1329.33	0.00%	99.98%
170.0	1.562	0.182	1329.512	0.00%	99.99%
175.0	1.429	0.107	1329.619	0.00%	100.00%
180.0	1.552	0.036	1329.654	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	401.05	N.A.	30.16%
0-40	645.78	N.A.	48.57%
0-60	1096.21	N.A.	82.44%
0-90	1324.06	N.A.	99.58%
0-120	1325.96	N.A.	99.72%
0-180	1329.65	N.A.	100.00%
60-90	227.85	N.A.	17.14%
90-120	1.90	N.A.	0.14%
90-130	2.74	N.A.	0.21%
90-150	4.40	N.A.	0.33%
90-180	5.55	N.A.	0.42%
0-58.33	1063.72	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	49.80
10-20	141.37
20-30	209.88
30-40	244.73
40-50	243.10
50-60	207.34
60-70	145.05
70-80	69.63
80-90	13.16
90-100	0.72
100-110	0.54
110-120	0.64
120-130	0.84
130-140	0.87
140-150	0.79
150-160	0.63
160-170	0.42
170-180	0.11

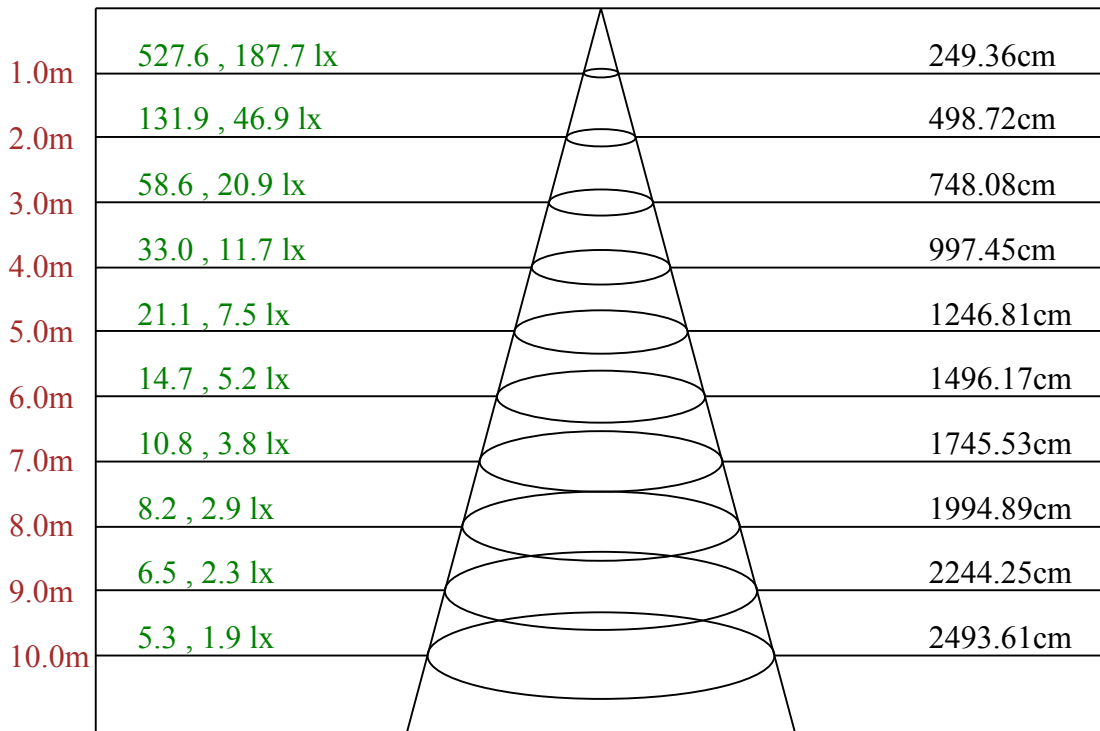


C0/C180: —

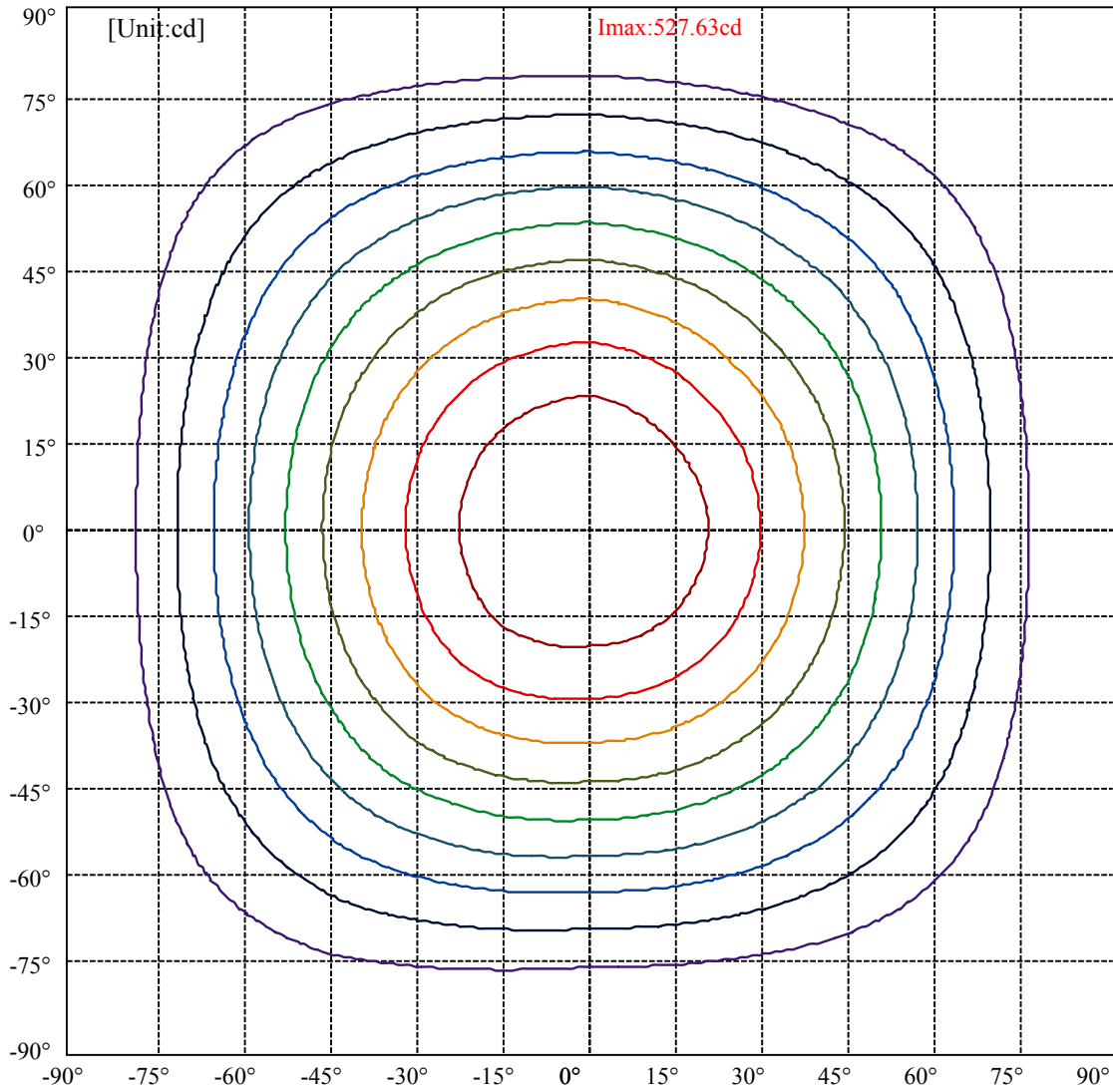
C90/C270: —

Field angle(10%Imax):C0/180Left:77.9 Right:75.4
 :C90/270Left:75.0 Right:78.1

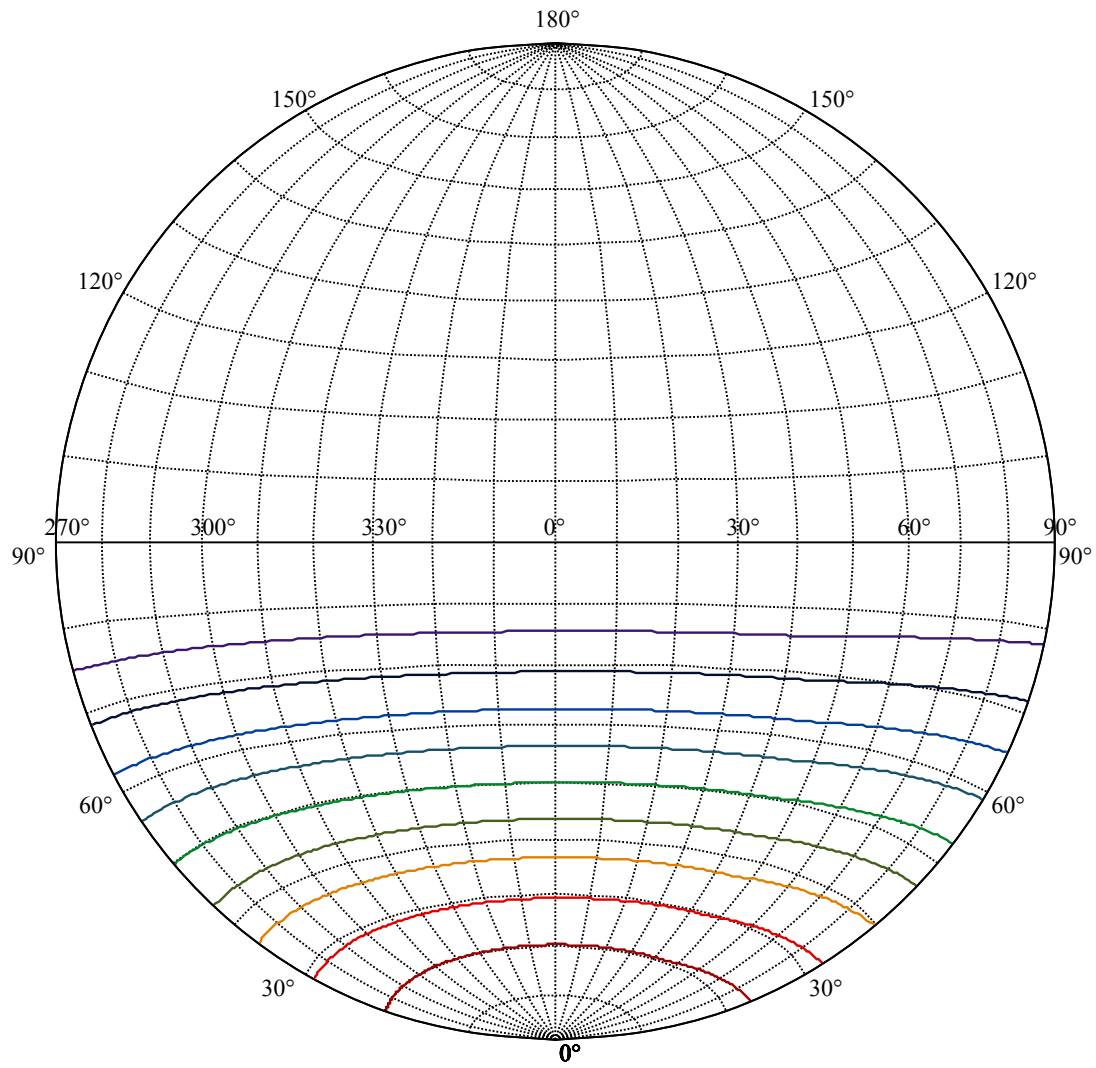
Beam Angle(50%Imax):C0/180Left:52.2 Right:50.1
 :C90/270Left:49.7 Right:52.8



Max , Ave Beam angle of C0 plane 102.54



(10%Imax) 52.7633	—
(20%Imax) 105.527	—
(30%Imax) 158.29	—
(40%Imax) 211.053	—
(50%Imax) 263.816	—
(60%Imax) 316.58	—
(70%Imax) 369.343	—
(80%Imax) 422.106	—
(90%Imax) 474.87	—



House

[Unit:cd]

Road

Imax:527.63

(10%Imax) 52.7633

(20%Imax) 105.527

(30%Imax) 158.29

(40%Imax) 211.053

(50%Imax) 263.816

(60%Imax) 316.58

(70%Imax) 369.343

(80%Imax) 422.106

(90%Imax) 474.87



LL6RR-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	527.63	523.33	513.17	497.50	476.75	449.44	417.90	382.76	346.56
45.0	527.63	523.33	513.59	498.14	476.75	450.72	419.59	383.18	346.98
90.0	527.63	526.72	519.73	507.45	489.67	465.53	438.01	404.14	367.30
135.0	527.63	526.29	519.73	506.60	487.97	463.63	435.26	401.60	364.98
180.0	527.63	525.87	518.46	505.12	486.07	462.36	433.57	398.64	363.07
225.0	527.63	525.45	517.40	504.28	485.65	460.67	431.03	398.00	361.38
270.0	527.63	522.91	512.53	496.23	474.43	446.48	414.94	380.43	342.32
315.0	527.63	523.12	512.74	496.65	475.27	447.75	415.78	380.64	344.23
360.0	527.63	523.33	513.17	497.50	476.75	449.44	417.90	382.76	346.56
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	306.55	264.84	222.29	180.79	137.82	95.48	55.68	22.44	6.77
45.0	308.45	266.53	223.98	181.43	138.45	97.60	57.37	22.65	6.77
90.0	328.35	287.49	245.79	202.18	158.35	116.86	76.43	38.74	11.22
135.0	327.08	285.59	243.25	199.85	157.72	114.95	74.94	39.17	11.22
180.0	324.12	282.62	240.07	198.58	154.76	112.41	74.31	37.47	10.80
225.0	322.21	280.72	239.65	196.46	153.27	112.41	73.25	36.63	10.59
270.0	301.89	261.66	219.11	176.56	134.43	92.73	52.93	19.48	6.14
315.0	303.79	261.88	221.02	178.47	135.07	93.57	54.83	21.17	6.35
360.0	306.55	264.84	222.29	180.79	137.82	95.48	55.68	22.44	6.77
C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.42	0.64	0.64	0.64	0.85	0.85	0.85	1.27	1.06
45.0	0.64	0.64	0.85	0.85	0.64	0.64	0.85	0.85	1.06
90.0	2.12	0.42	0.21	0.21	0.42	0.42	0.64	0.64	0.85
135.0	1.91	0.00	0.21	0.21	0.21	0.42	0.42	0.64	1.06
180.0	1.48	0.64	0.42	0.21	0.21	0.42	0.64	0.85	0.85
225.0	1.48	0.21	0.00	0.21	0.21	0.42	0.42	0.85	0.85
270.0	0.85	0.64	1.06	1.06	1.06	1.06	1.27	1.27	1.48
315.0	0.64	0.64	0.64	0.64	0.64	0.85	1.06	1.27	1.48
360.0	0.42	0.64	0.64	0.64	0.85	0.85	0.85	1.27	1.06
C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	1.27	1.48	1.27	1.48	1.27	1.48	1.48	1.48	1.48
45.0	1.06	1.27	1.27	1.48	1.27	1.48	1.69	1.69	1.27
90.0	1.06	0.85	1.06	1.27	1.06	1.27	1.48	1.48	1.27
135.0	0.85	0.85	1.06	1.27	1.27	1.27	1.69	1.48	1.27
180.0	1.06	1.06	1.27	1.48	1.48	1.48	1.48	1.27	1.27
225.0	0.85	0.85	1.06	1.06	1.06	1.27	1.06	1.69	1.48
270.0	1.48	1.48	1.48	1.69	1.48	1.91	1.91	1.69	1.69
315.0	1.48	1.27	1.48	1.48	1.48	1.27	1.27	1.69	1.69
360.0	1.27	1.48	1.27	1.48	1.27	1.48	1.48	1.48	1.48
C/γ(°)	180.0								
0.0	1.55								
45.0	1.55								
90.0	1.55								
135.0	1.55								
180.0	1.55								
225.0	1.55								
270.0	1.55								
315.0	1.55								
360.0	1.55								