



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

LumCAT: LD3R-5CCT-5000K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.08

LampCAT:

Current(A): 0.1230

Lamp flux(lm): -1.0

Power (W): 14.55

Number of Lamps: 1

PF: 0.9850

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1448.18, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 99.51

Central intensity(cd): 2493.173, Maximum intensity(cd): 2493.173

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=40.8

[C90/270]Total=39.1

Field angle(10%Imax): [C0/180]Total=72.9

[C90/270]Total=70.5

Maximum s/h(1/2): C0_180=0.66 C90_270=0.66

Maximum s/h(1/4): C0_180=0.69 C90_270=0.66

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.22%

Down flux rate of LUM(%): 99.78%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 96.126%

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

Date:
Humidity(%): 59%

Operator: Tester

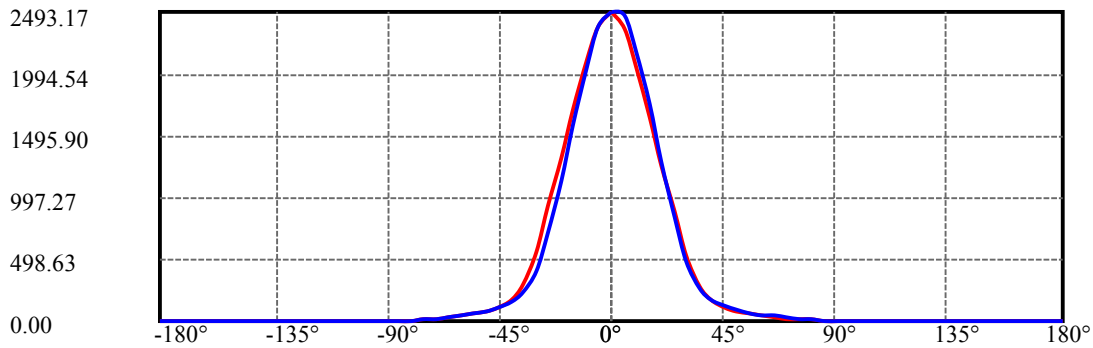
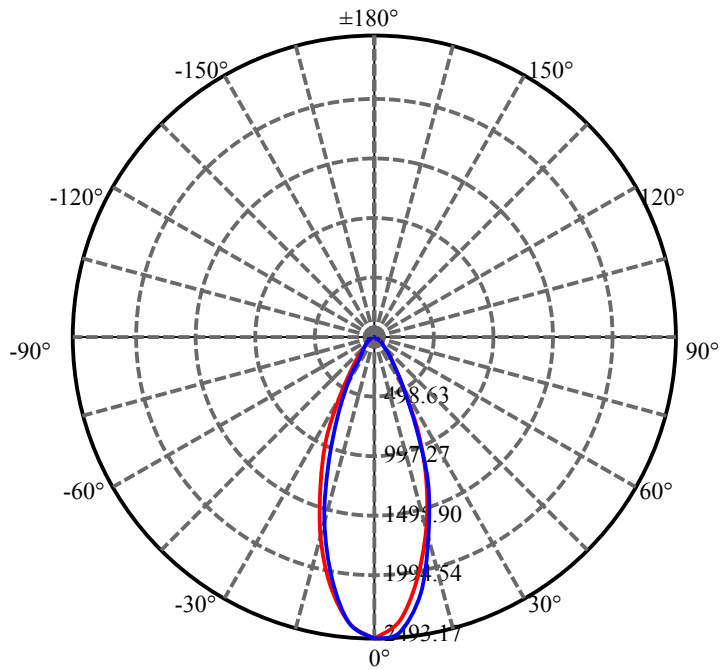
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2493.173	0.000	0	0.00%	0.00%
5.0	2373.397	58.178	58.178	0.00%	4.02%
10.0	2068.942	158.916	217.095	0.00%	14.99%
15.0	1659.483	221.168	438.263	0.00%	30.26%
20.0	1236.660	238.683	676.945	0.00%	46.74%
25.0	837.945	217.588	894.533	0.00%	61.77%
30.0	492.817	168.409	1062.942	0.00%	73.40%
35.0	267.433	111.952	1174.894	0.00%	81.13%
40.0	160.709	71.432	1246.327	0.00%	86.06%
45.0	111.779	50.453	1296.78	0.00%	89.55%
50.0	79.891	38.730	1335.51	0.00%	92.22%
55.0	62.214	30.898	1366.408	0.00%	94.35%
60.0	48.850	25.672	1392.08	0.00%	96.13%
65.0	35.196	20.432	1412.512	0.00%	97.54%
70.0	21.726	14.413	1426.925	0.00%	98.53%
75.0	13.073	9.096	1436.021	0.00%	99.16%
80.0	7.277	5.445	1441.466	0.00%	99.54%
85.0	2.832	2.747	1444.212	0.00%	99.73%
90.0	0.159	0.819	1445.031	0.00%	99.78%
95.0	0.132	0.080	1445.111	0.00%	99.79%
100.0	0.132	0.072	1445.183	0.00%	99.79%
105.0	0.185	0.085	1445.268	0.00%	99.80%
110.0	0.159	0.090	1445.358	0.00%	99.81%
115.0	0.132	0.074	1445.431	0.00%	99.81%
120.0	0.291	0.103	1445.534	0.00%	99.82%
125.0	0.185	0.110	1445.644	0.00%	99.82%
130.0	0.423	0.132	1445.777	0.00%	99.83%
135.0	0.476	0.182	1445.959	0.00%	99.85%
140.0	0.715	0.221	1446.179	0.00%	99.86%
145.0	0.900	0.269	1446.448	0.00%	99.88%
150.0	1.165	0.304	1446.752	0.00%	99.90%
155.0	1.482	0.335	1447.087	0.00%	99.92%
160.0	1.773	0.341	1447.429	0.00%	99.95%
165.0	1.932	0.305	1447.734	0.00%	99.97%
170.0	2.064	0.237	1447.971	0.00%	99.99%
175.0	2.223	0.153	1448.124	0.00%	100.00%
180.0	2.540	0.057	1448.181	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1062.94	N.A.	73.40%
0-40	1246.33	N.A.	86.06%
0-60	1392.08	N.A.	96.13%
0-90	1445.03	N.A.	99.78%
0-120	1445.53	N.A.	99.82%
0-180	1448.18	N.A.	100.00%
60-90	52.95	N.A.	3.66%
90-120	0.50	N.A.	0.03%
90-130	0.75	N.A.	0.05%
90-150	1.72	N.A.	0.12%
90-180	3.09	N.A.	0.21%
0-34.27	1158.55	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	217.09
10-20	459.85
20-30	386.00
30-40	183.38
40-50	89.18
50-60	56.57
60-70	34.84
70-80	14.54
80-90	3.57
90-100	0.15
100-110	0.17
110-120	0.18
120-130	0.24
130-140	0.40
140-150	0.57
150-160	0.68
160-170	0.54
170-180	0.15

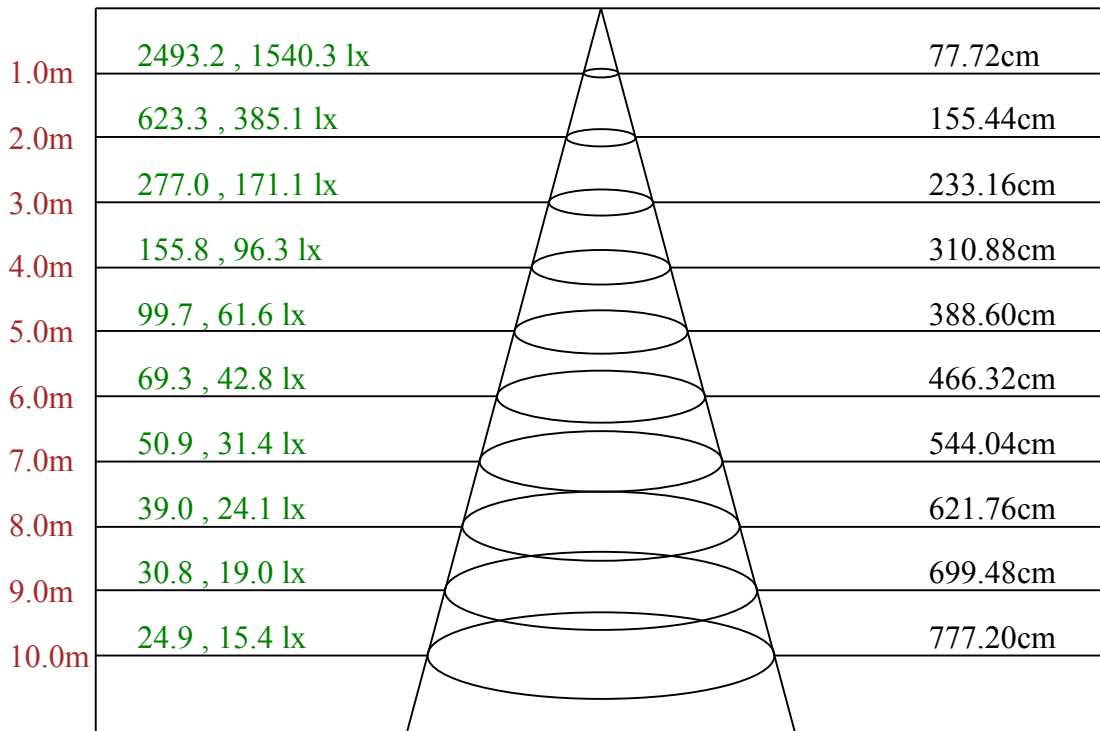


C0/C180: —

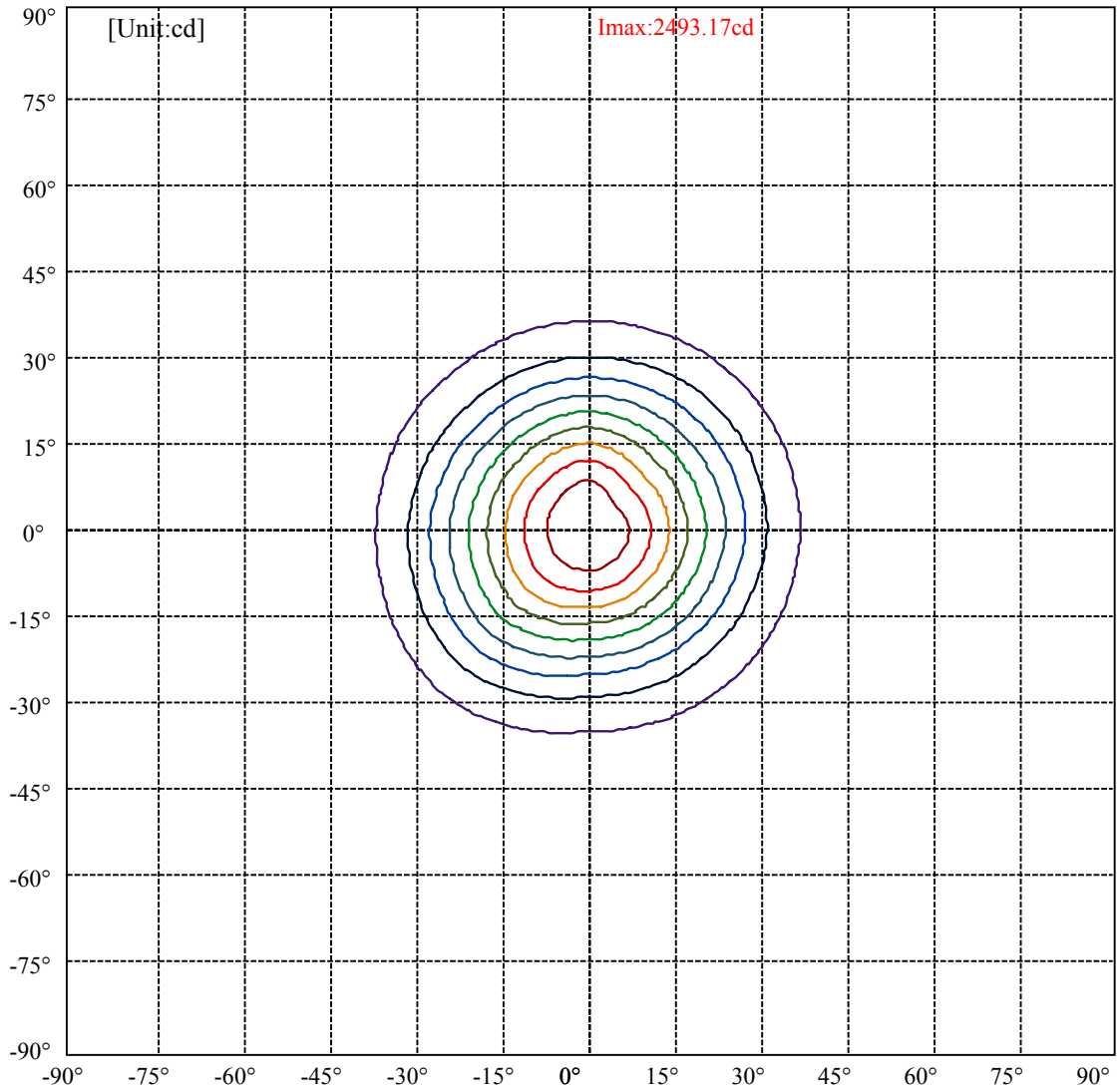
C90/C270: —

Field angle(10%Imax):C0/180Left:36.7 Right:36.2
:C90/270Left:34.5 Right:36.0

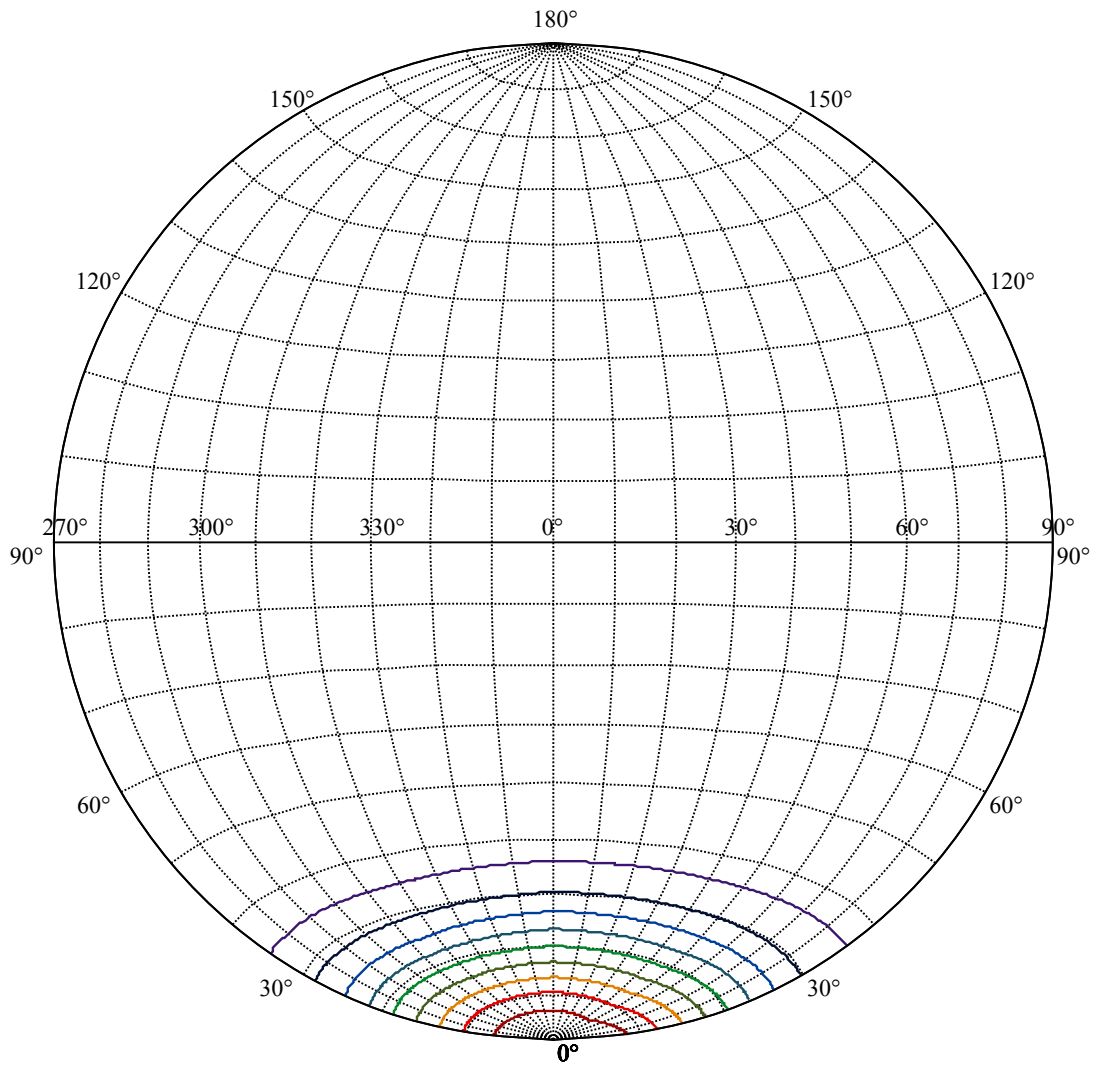
Beam Angle(50%Imax):C0/180Left:20.8 Right:20.0
:C90/270Left:18.7 Right:20.4



Max , Ave Beam angle of C0 plane 42.47



(10%Imax) 249.317	—
(20%Imax) 498.635	—
(30%Imax) 747.952	—
(40%Imax) 997.269	—
(50%Imax) 1246.59	—
(60%Imax) 1495.9	—
(70%Imax) 1745.22	—
(80%Imax) 1994.54	—
(90%Imax) 2243.86	—



House

[Unit:cd]

Road

Imax:2493.17

(10%Imax) 249.317	—
(20%Imax) 498.635	—
(30%Imax) 747.952	—
(40%Imax) 997.269	—
(50%Imax) 1246.59	—
(60%Imax) 1495.9	—
(70%Imax) 1745.22	—
(80%Imax) 1994.54	—
(90%Imax) 2243.86	—

LD3R-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	2493.17	2353.92	2045.47	1644.29	1249.89	876.24	523.12	276.27	163.43
45.0	2493.17	2306.29	1997.63	1599.62	1193.79	819.50	490.94	261.66	156.87
90.0	2493.17	2456.81	2166.56	1744.85	1284.61	834.74	477.39	269.07	170.00
135.0	2493.17	2396.68	2100.72	1678.38	1232.11	814.84	458.55	253.62	158.78
180.0	2493.17	2372.76	2087.18	1701.88	1308.53	932.13	564.82	293.21	165.55
225.0	2493.17	2371.92	2103.05	1741.04	1337.96	957.53	597.00	310.36	168.52
270.0	2493.17	2371.49	2028.75	1581.63	1129.86	717.25	405.62	233.08	149.67
315.0	2493.17	2357.31	2022.18	1584.17	1156.53	751.33	425.10	242.19	152.85
360.0	2493.17	2353.92	2045.47	1644.29	1249.89	876.24	523.12	276.27	163.43

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	114.11	81.72	63.09	49.54	36.20	22.86	13.76	7.83	3.18
45.0	111.78	79.39	61.82	48.69	35.35	22.23	13.34	7.62	3.39
90.0	118.55	85.32	65.20	51.66	39.17	24.13	13.97	8.26	3.39
135.0	111.99	80.02	62.03	48.90	35.57	21.81	13.13	7.20	2.75
180.0	113.05	79.81	62.66	49.12	34.30	20.54	11.86	6.56	2.33
225.0	113.68	80.45	62.66	48.69	34.30	20.96	12.49	6.56	2.54
270.0	103.73	75.15	59.49	46.58	32.60	20.11	12.49	6.77	2.12
315.0	107.33	77.27	60.76	47.63	34.08	21.17	13.55	7.41	2.96
360.0	114.11	81.72	63.09	49.54	36.20	22.86	13.76	7.83	3.18

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

C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	0.64	1.06	0.85	1.48	1.69	1.91	2.12	2.33	2.33
45.0	0.64	0.85	1.27	1.27	1.69	1.91	1.91	2.12	2.12
90.0	0.21	0.42	0.42	0.85	1.27	1.48	2.12	1.91	1.91
135.0	0.00	0.42	0.64	0.85	1.06	1.69	1.69	1.91	2.12
180.0	0.21	0.42	0.64	1.06	1.27	1.48	1.48	2.12	2.12
225.0	0.42	0.64	0.85	1.06	1.48	1.69	1.91	2.12	2.12
270.0	1.06	0.85	1.48	1.69	1.91	2.12	2.33	2.33	2.75
315.0	0.64	1.06	1.06	1.06	1.48	1.91	1.91	1.69	2.33
360.0	0.64	1.06	0.85	1.48	1.69	1.91	2.12	2.33	2.33

C/γ(°)	180.0
0.0	2.54
45.0	2.54
90.0	2.54
135.0	2.54
180.0	2.54
225.0	2.54
270.0	2.54
315.0	2.54
360.0	2.54