



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

LumCAT: LD3S-5CCT-5SSL-2700K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.08

LampCAT:

Current(A): 0.1210

Lamp flux(lm): -1.0

Power (W): 14.31

Number of Lamps: 1

PF: 0.9846

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1215.70, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 84.95

Central intensity(cd): 598.353, Maximum intensity(cd): 1830.066

Angle of maximum intensity: C=0.0 γ =25.0

Beam Angle(50%Imax): [C0/180]Total=52.5

[C90/270]Total=41.9

Field angle(10%Imax): [C0/180]Total=76.3

[C90/270]Total=115.6

Maximum s/h(1/2): C0_180=0.27 C90_270=0.65

Maximum s/h(1/4): C0_180=0.49 C90_270=0.75

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.50%

Down flux rate of LUM(%): 99.50%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 93.740%

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

Date:
Humidity(%): 59%

Operator: Tester

LD3S-5CCT-5SSL-2700K

Zonal flux distribution table

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$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	598.353	0.000	0	0.00%	0.00%
5.0	594.140	14.256	14.256	0.00%	1.17%
10.0	598.272	42.656	56.912	0.00%	4.68%
15.0	609.806	71.662	128.575	0.00%	10.58%
20.0	613.290	100.800	229.375	0.00%	18.87%
25.0	595.571	126.787	356.162	0.00%	29.30%
30.0	552.137	145.243	501.406	0.00%	41.24%
35.0	483.447	152.497	653.903	0.00%	53.79%
40.0	394.526	146.483	800.386	0.00%	65.84%
45.0	294.071	127.499	927.885	0.00%	76.33%
50.0	202.152	100.269	1028.155	0.00%	84.57%
55.0	115.824	69.139	1097.293	0.00%	90.26%
60.0	67.177	42.300	1139.593	0.00%	93.74%
65.0	44.272	27.093	1166.687	0.00%	95.97%
70.0	27.876	18.268	1184.955	0.00%	97.47%
75.0	16.720	11.657	1196.611	0.00%	98.43%
80.0	9.697	7.068	1203.68	0.00%	99.01%
85.0	4.916	3.971	1207.651	0.00%	99.34%
90.0	2.188	1.945	1209.596	0.00%	99.50%
95.0	0.837	0.828	1210.424	0.00%	99.57%
100.0	0.594	0.389	1210.813	0.00%	99.60%
105.0	0.567	0.311	1211.124	0.00%	99.62%
110.0	0.567	0.296	1211.42	0.00%	99.65%
115.0	0.675	0.315	1211.735	0.00%	99.67%
120.0	0.783	0.354	1212.089	0.00%	99.70%
125.0	0.810	0.368	1212.457	0.00%	99.73%
130.0	0.945	0.382	1212.839	0.00%	99.76%
135.0	1.080	0.409	1213.248	0.00%	99.80%
140.0	1.242	0.430	1213.678	0.00%	99.83%
145.0	1.270	0.419	1214.097	0.00%	99.87%
150.0	1.324	0.382	1214.479	0.00%	99.90%
155.0	1.405	0.345	1214.824	0.00%	99.93%
160.0	1.513	0.306	1215.13	0.00%	99.95%
165.0	1.513	0.249	1215.38	0.00%	99.97%
170.0	1.459	0.176	1215.556	0.00%	99.99%
175.0	1.540	0.107	1215.663	0.00%	100.00%
180.0	1.633	0.038	1215.701	0.00%	100.00%

Equipment: GMS-3000
Temperature($^{\circ}$ C): 25

Date:
Humidity(%): 59%

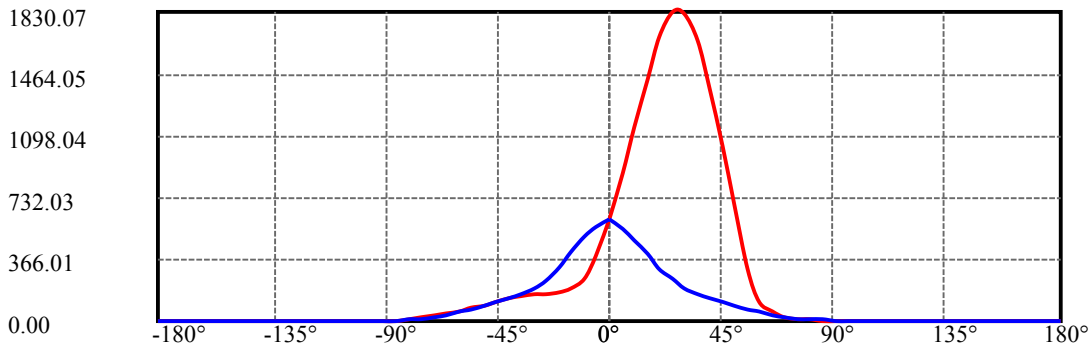
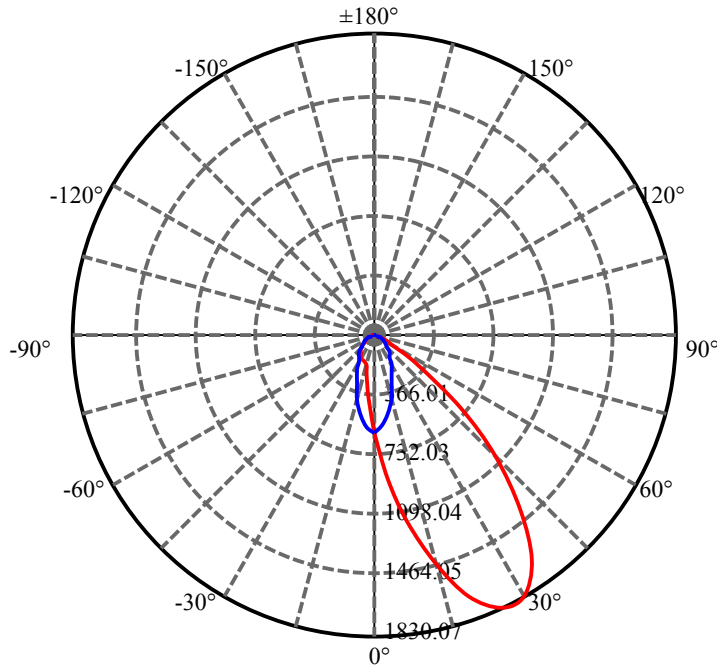
Operator: Tester

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	501.41	N.A.	41.24%
0-40	800.39	N.A.	65.84%
0-60	1139.59	N.A.	93.74%
0-90	1209.60	N.A.	99.50%
0-120	1212.09	N.A.	99.70%
0-180	1215.70	N.A.	100.00%
60-90	70.00	N.A.	5.76%
90-120	2.49	N.A.	0.21%
90-130	3.24	N.A.	0.27%
90-150	4.88	N.A.	0.40%
90-180	6.07	N.A.	0.50%
0-47.23	972.56	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	56.91
10-20	172.46
20-30	272.03
30-40	298.98
40-50	227.77
50-60	111.44
60-70	45.36
70-80	18.73
80-90	5.92
90-100	1.22
100-110	0.61
110-120	0.67
120-130	0.75
130-140	0.84
140-150	0.80
150-160	0.65
160-170	0.43
170-180	0.11

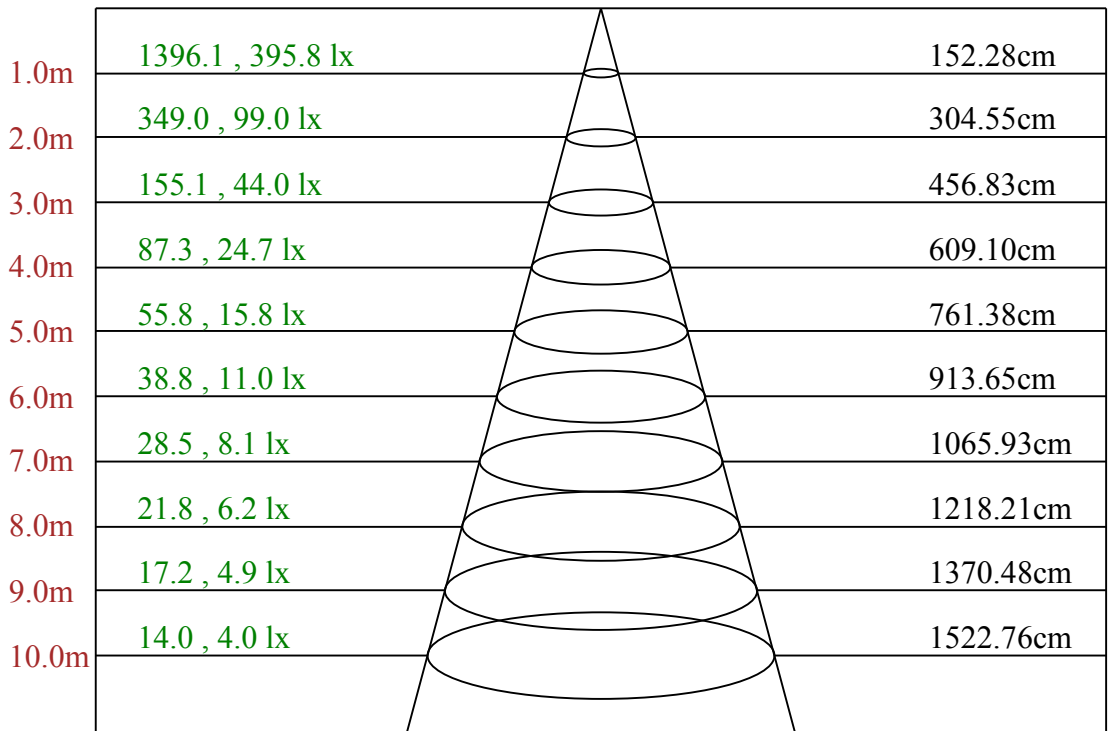


C0/C180: —

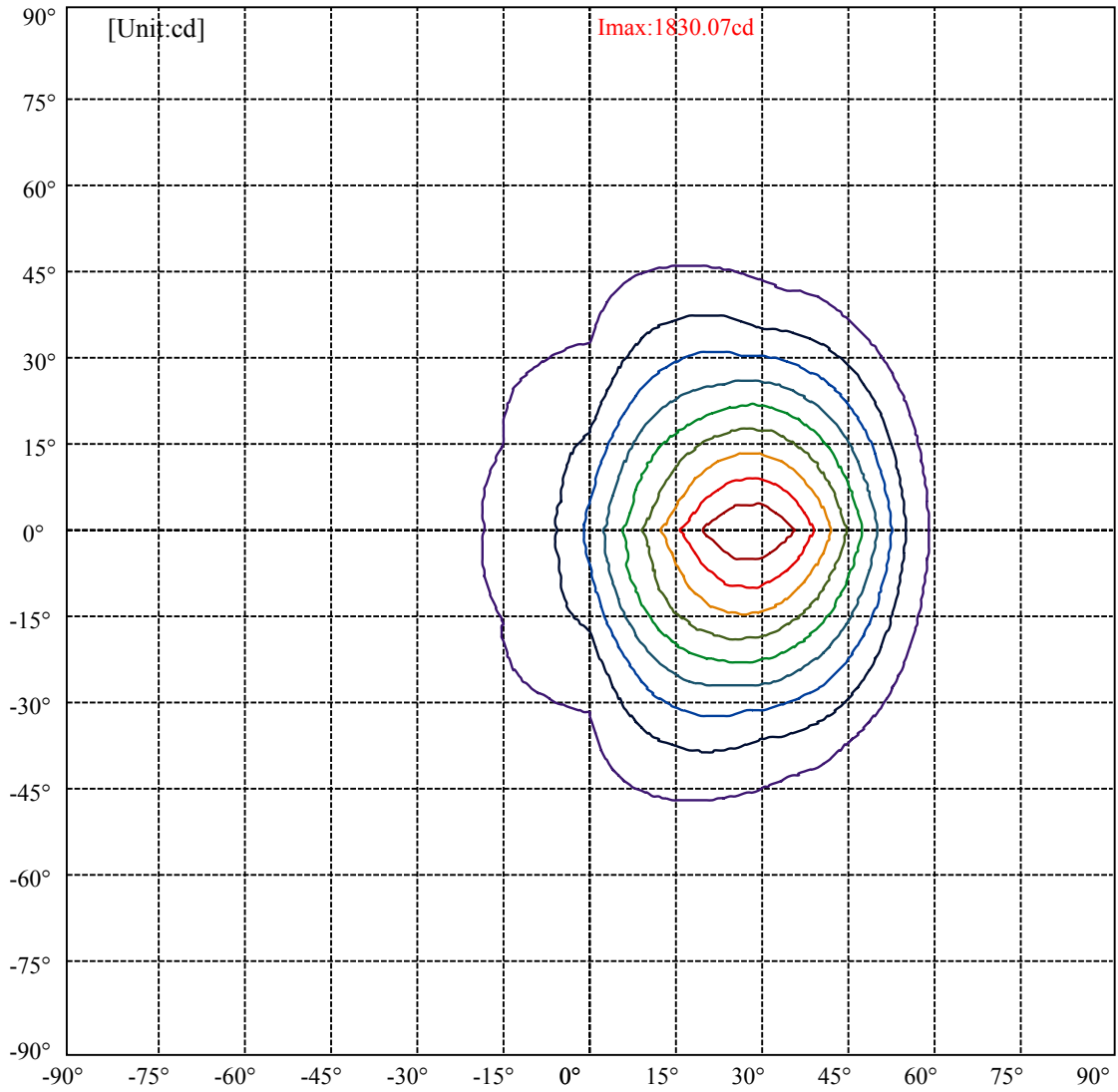
C90/C270: —

Field angle(10%Imax):C0/180Left:18.0 Right:58.3
:C90/270Left:57.9 Right:57.7

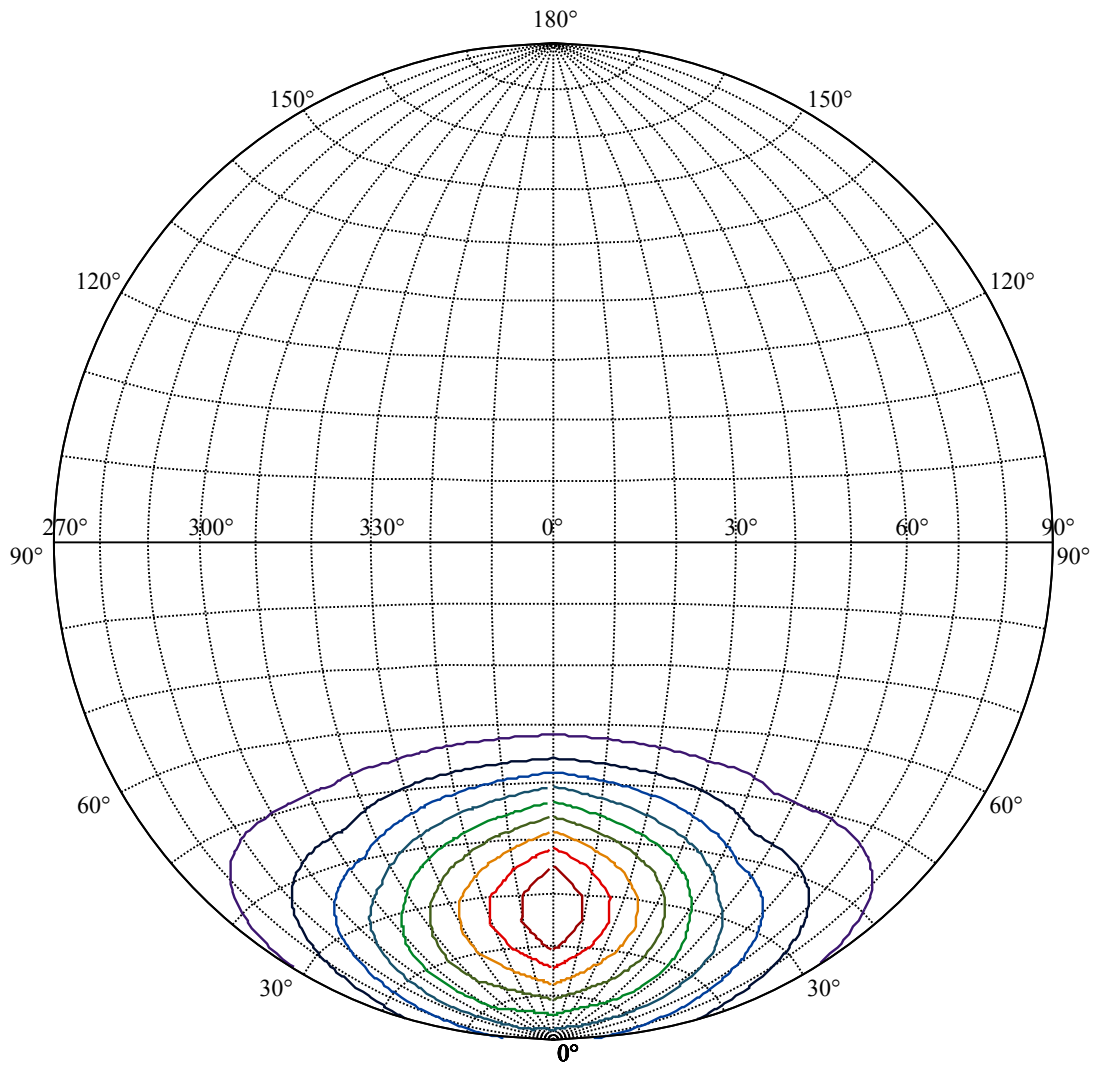
Beam Angle(50%Imax):C0/180Left:5.7 Right:46.8
:C90/270Left:21.0 Right:20.9



Max , Ave Beam angle of C0 plane 74.57



(10%Imax) 183.007	—
(20%Imax) 366.013	—
(30%Imax) 549.02	—
(40%Imax) 732.026	—
(50%Imax) 915.033	—
(60%Imax) 1098.04	—
(70%Imax) 1281.05	—
(80%Imax) 1464.05	—
(90%Imax) 1647.06	—



House

[Unit:cd]

Road

Imax:1830.07

(10%Imax) 183.007	—
(20%Imax) 366.013	—
(30%Imax) 549.02	—
(40%Imax) 732.026	—
(50%Imax) 915.033	—
(60%Imax) 1098.04	—
(70%Imax) 1281.05	—
(80%Imax) 1464.05	—
(90%Imax) 1647.06	—

LD3S-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	598.35	878.62	1153.27	1433.76	1682.48	1830.07	1824.02	1658.49	1381.46
45.0	598.35	746.81	877.54	958.79	972.84	921.41	817.47	687.60	519.26
90.0	598.35	545.41	480.37	394.36	310.74	245.91	198.59	164.01	136.14
135.0	598.35	420.51	286.32	216.52	185.62	165.96	155.80	148.24	140.68
180.0	598.35	381.18	246.56	197.51	173.74	163.58	158.39	150.40	135.71
225.0	598.35	427.21	298.85	221.92	187.57	168.77	159.47	152.99	144.13
270.0	598.35	558.81	500.03	409.27	315.71	236.84	191.24	160.34	136.35
315.0	598.35	794.56	943.23	1046.31	1077.64	1032.05	912.12	745.51	562.48
360.0	598.35	878.62	1153.27	1433.76	1682.48	1830.07	1824.02	1658.49	1381.46

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	1038.10	688.90	312.03	117.12	57.91	27.44	13.40	6.92	2.59
45.0	340.13	202.26	114.53	68.28	43.87	27.01	15.13	11.45	9.08
90.0	115.61	92.27	68.93	51.86	36.30	23.77	15.34	9.94	6.05
135.0	125.98	107.83	79.52	55.32	40.84	28.74	19.23	11.24	6.05
180.0	109.99	90.33	74.77	62.02	49.27	36.74	23.99	12.32	4.54
225.0	129.65	112.15	82.55	58.56	44.95	32.63	21.39	12.10	4.97
270.0	115.18	90.97	70.23	52.51	35.87	21.18	13.40	7.13	3.03
315.0	377.94	232.51	124.04	71.74	45.16	25.50	11.89	6.48	3.03
360.0	1038.10	688.90	312.03	117.12	57.91	27.44	13.40	6.92	2.59

C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	1.08	0.86	0.86	0.65	0.65	0.65	0.86	0.86	0.86
45.0	5.83	1.51	0.86	0.86	0.65	0.86	0.86	0.65	0.65
90.0	3.46	1.73	0.65	0.43	0.43	0.65	0.65	0.65	0.86
135.0	3.03	0.65	0.43	0.43	0.22	0.43	0.65	0.65	0.86
180.0	0.65	0.00	0.22	0.43	0.43	0.65	0.86	0.86	1.30
225.0	1.51	0.22	0.00	0.00	0.22	0.43	0.65	0.86	0.65
270.0	1.08	1.08	0.86	0.86	1.30	0.86	1.08	1.08	1.30
315.0	0.86	0.65	0.86	0.86	0.65	0.86	0.65	0.86	1.08
360.0	1.08	0.86	0.86	0.65	0.65	0.65	0.86	0.86	0.86

C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	0.86	1.08	0.86	1.08	1.08	1.30	1.08	1.30	1.51
45.0	1.08	1.08	0.86	0.86	1.08	1.08	1.51	1.30	1.51
90.0	0.86	0.65	1.08	1.08	1.08	1.08	1.30	1.51	1.30
135.0	1.08	1.08	1.30	1.30	1.30	1.51	1.51	1.08	1.51
180.0	1.30	1.73	1.73	1.95	2.16	1.95	1.73	1.73	1.73
225.0	1.30	1.73	1.73	1.95	2.16	2.38	1.95	1.73	1.51
270.0	1.30	1.51	1.51	1.51	1.51	1.73	1.73	1.95	1.95
315.0	0.86	1.08	1.08	0.86	0.86	1.08	1.30	1.08	1.30
360.0	0.86	1.08	0.86	1.08	1.08	1.30	1.08	1.30	1.51

C/γ(°)	180.0
0.0	1.63
45.0	1.63
90.0	1.63
135.0	1.63
180.0	1.63
225.0	1.63
270.0	1.63
315.0	1.63
360.0	1.63