



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

LumCAT: LD3S-5CCT-2700K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.10

LampCAT:

Current(A): 0.1210

Lamp flux(lm): -1.0

Power (W): 14.29

Number of Lamps: 1

PF: 0.9846

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1264.49, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 88.49

Central intensity(cd): 2079.742, Maximum intensity(cd): 2079.742

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=39.6

[C90/270]Total=41.9

Field angle(10%Imax): [C0/180]Total=72.0

[C90/270]Total=77.8

Maximum s/h(1/2): C0_180=0.60 C90_270=0.66

Maximum s/h(1/4): C0_180=0.64 C90_270=0.69

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.21%

Down flux rate of LUM(%): 99.79%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 95.719%

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

Date:
Humidity(%): 59%

Operator: Tester

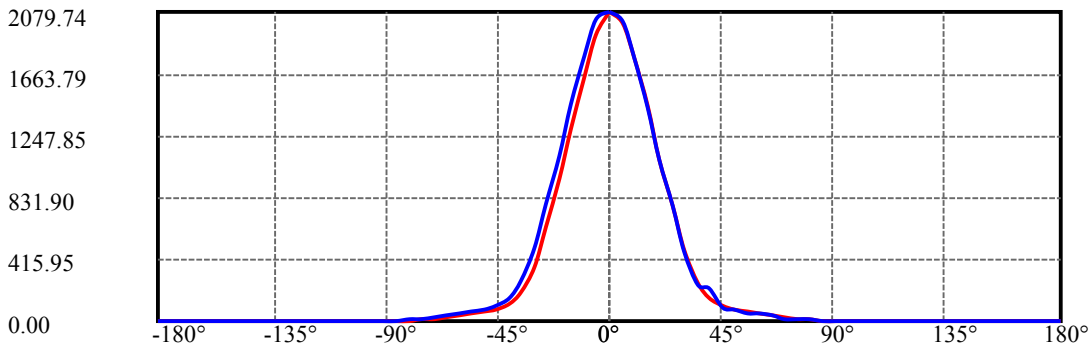
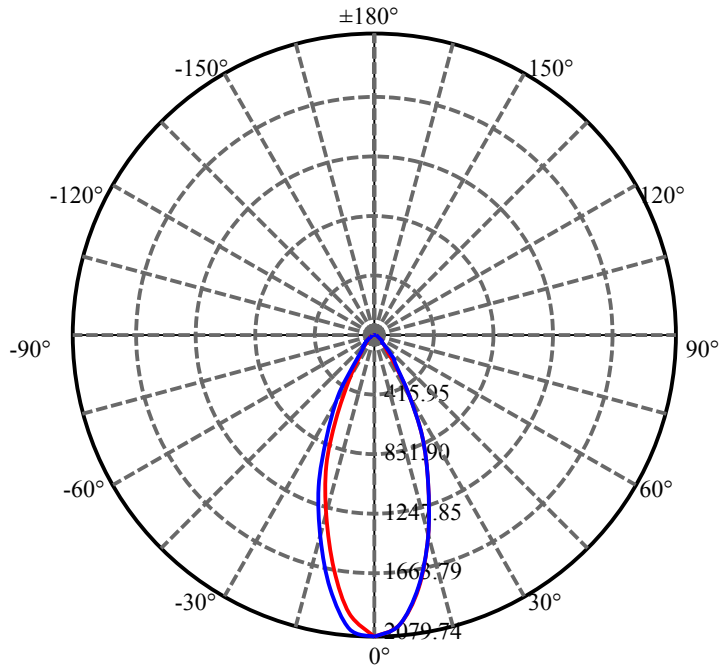
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2079.742	0.000	0	0.00%	0.00%
5.0	1982.223	48.560	48.56	0.00%	3.84%
10.0	1728.922	132.759	181.319	0.00%	14.34%
15.0	1400.227	185.619	366.938	0.00%	29.02%
20.0	1058.248	202.613	569.551	0.00%	45.04%
25.0	739.953	188.598	758.149	0.00%	59.96%
30.0	447.169	150.231	908.38	0.00%	71.84%
35.0	241.949	101.477	1009.858	0.00%	79.86%
40.0	152.717	65.847	1075.705	0.00%	85.07%
45.0	97.595	46.347	1122.052	0.00%	88.74%
50.0	75.419	34.960	1157.012	0.00%	91.50%
55.0	58.986	29.224	1186.236	0.00%	93.81%
60.0	45.331	24.112	1210.349	0.00%	95.72%
65.0	32.946	19.029	1229.378	0.00%	97.22%
70.0	20.800	13.609	1242.987	0.00%	98.30%
75.0	13.628	8.999	1251.986	0.00%	99.01%
80.0	7.965	5.778	1257.764	0.00%	99.47%
85.0	3.308	3.063	1260.827	0.00%	99.71%
90.0	0.238	0.971	1261.798	0.00%	99.79%
95.0	0.132	0.101	1261.899	0.00%	99.80%
100.0	0.159	0.079	1261.978	0.00%	99.80%
105.0	0.106	0.071	1262.049	0.00%	99.81%
110.0	0.185	0.076	1262.125	0.00%	99.81%
115.0	0.159	0.087	1262.212	0.00%	99.82%
120.0	0.185	0.084	1262.296	0.00%	99.83%
125.0	0.132	0.073	1262.369	0.00%	99.83%
130.0	0.212	0.075	1262.444	0.00%	99.84%
135.0	0.450	0.134	1262.578	0.00%	99.85%
140.0	0.529	0.181	1262.759	0.00%	99.86%
145.0	0.794	0.221	1262.98	0.00%	99.88%
150.0	1.006	0.265	1263.245	0.00%	99.90%
155.0	1.270	0.288	1263.533	0.00%	99.92%
160.0	1.509	0.291	1263.824	0.00%	99.95%
165.0	1.720	0.266	1264.09	0.00%	99.97%
170.0	1.826	0.210	1264.301	0.00%	99.99%
175.0	1.932	0.134	1264.435	0.00%	100.00%
180.0	2.329	0.051	1264.486	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	908.38	N.A.	71.84%
0-40	1075.70	N.A.	85.07%
0-60	1210.35	N.A.	95.72%
0-90	1261.80	N.A.	99.79%
0-120	1262.30	N.A.	99.83%
0-180	1264.49	N.A.	100.00%
60-90	51.45	N.A.	4.07%
90-120	0.50	N.A.	0.04%
90-130	0.65	N.A.	0.05%
90-150	1.45	N.A.	0.11%
90-180	2.64	N.A.	0.21%
0-35.13	1011.59	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	181.32
10-20	388.23
20-30	338.83
30-40	167.32
40-50	81.31
50-60	53.34
60-70	32.64
70-80	14.78
80-90	4.03
90-100	0.18
100-110	0.15
110-120	0.17
120-130	0.15
130-140	0.32
140-150	0.49
150-160	0.58
160-170	0.48
170-180	0.13

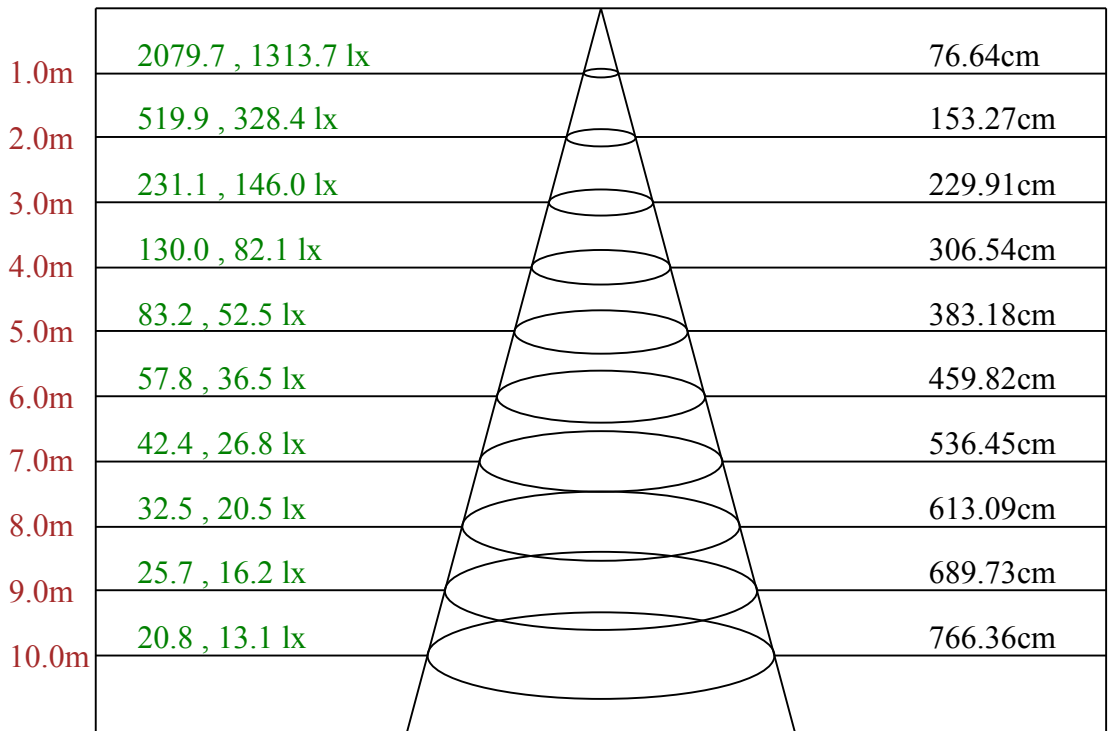


C0/C180: —

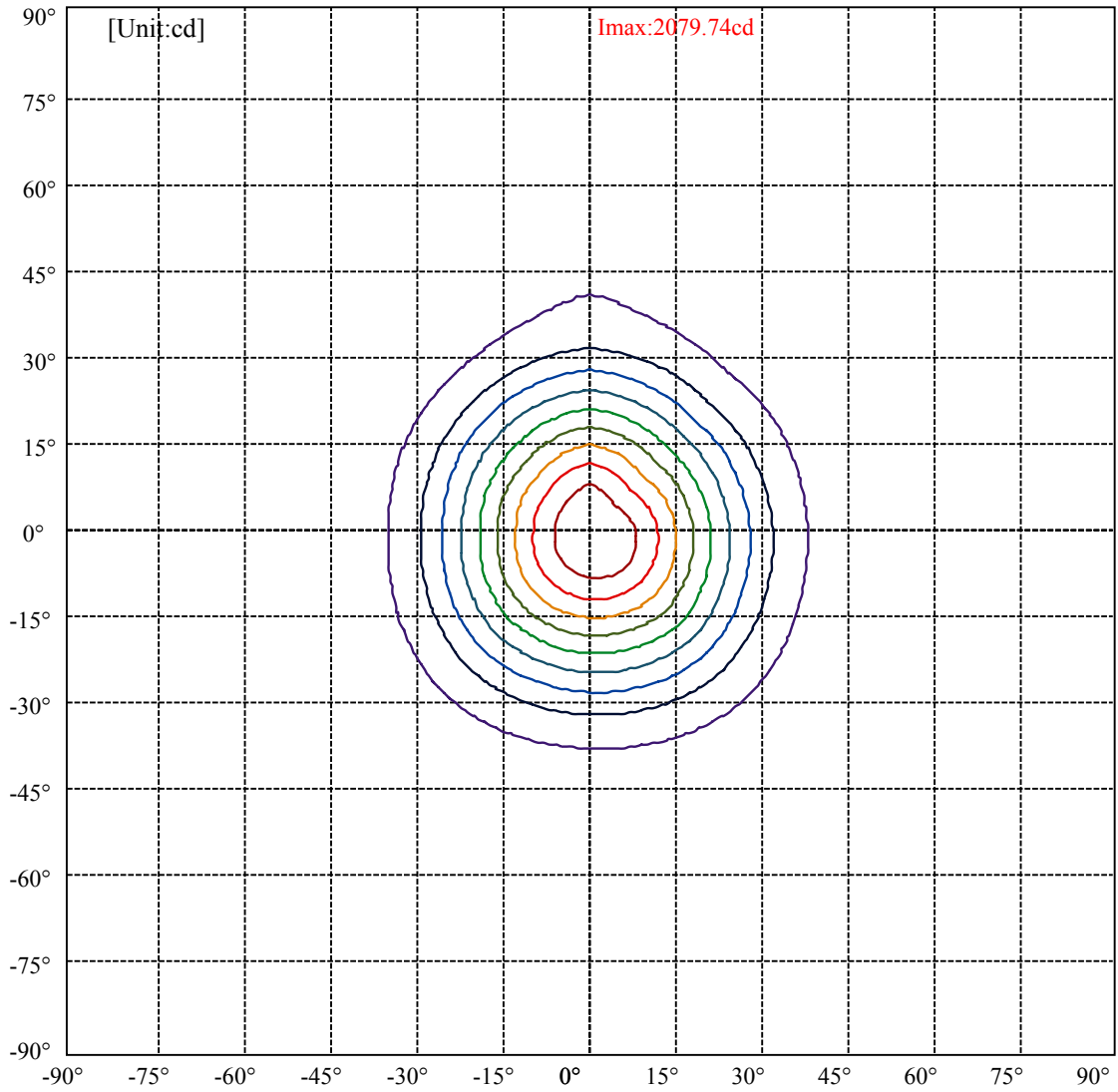
C90/C270: —

Field angle(10%Imax):C0/180Left:34.6 Right:37.4
:C90/270Left:37.5 Right:40.3

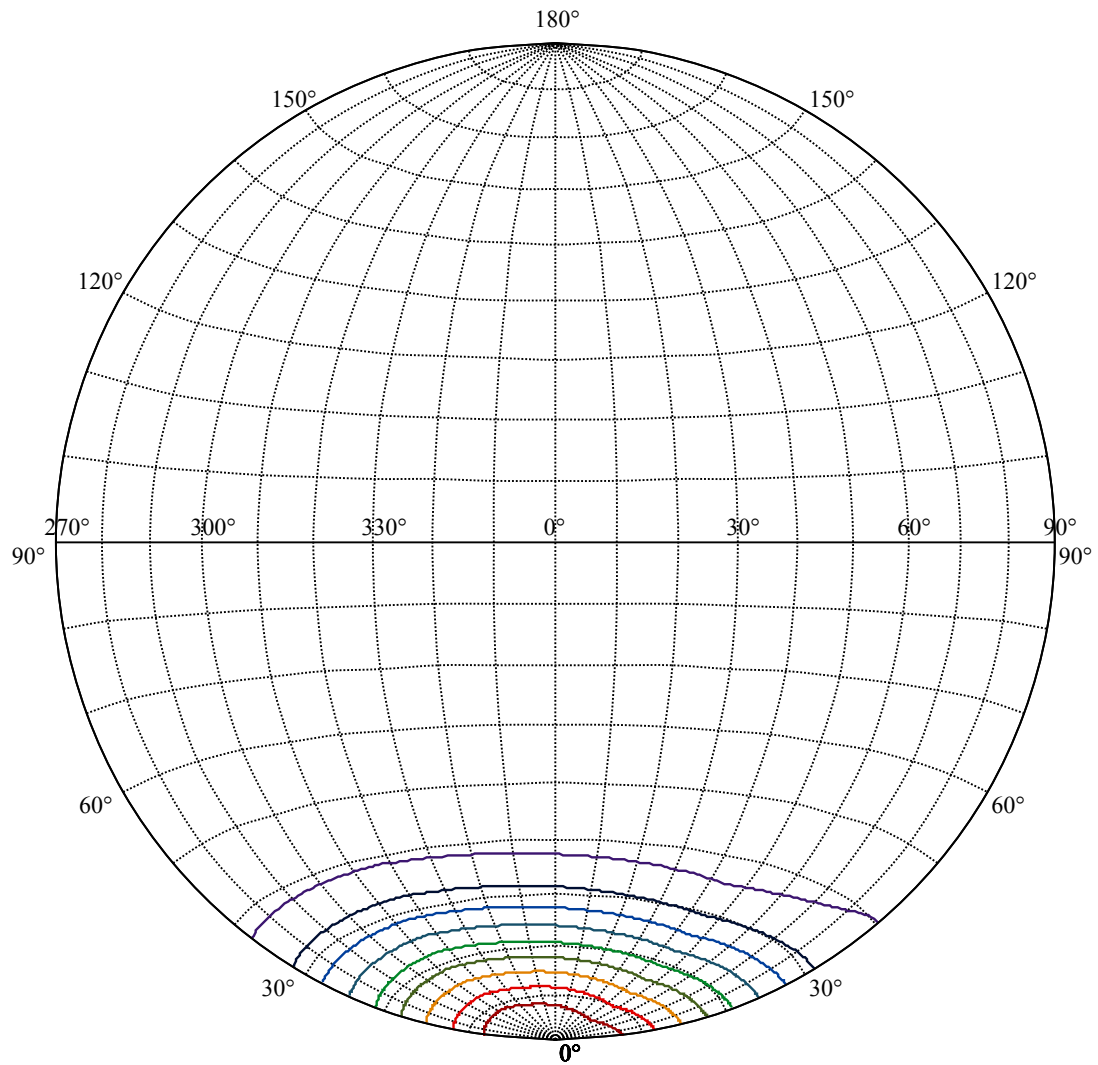
Beam Angle(50%Imax):C0/180Left:18.8 Right:20.8
:C90/270Left:21.1 Right:20.8



Max , Ave Beam angle of C0 plane 41.93



(10%Imax) 207.974	—
(20%Imax) 415.948	—
(30%Imax) 623.923	—
(40%Imax) 831.897	—
(50%Imax) 1039.87	—
(60%Imax) 1247.85	—
(70%Imax) 1455.82	—
(80%Imax) 1663.79	—
(90%Imax) 1871.77	—



House

[Unit:cd]

Road

Imax:2079.74

(10%Imax) 207.974	—
(20%Imax) 415.948	—
(30%Imax) 623.923	—
(40%Imax) 831.897	—
(50%Imax) 1039.87	—
(60%Imax) 1247.85	—
(70%Imax) 1455.82	—
(80%Imax) 1663.79	—
(90%Imax) 1871.77	—

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	2079.74	2005.25	1774.91	1442.75	1089.42	774.20	480.35	261.66	150.94
45.0	2079.74	1925.43	1654.03	1330.34	988.86	665.38	388.90	213.18	135.49
90.0	2079.74	2011.81	1766.45	1434.07	1089.00	775.89	470.83	250.02	215.94
135.0	2079.74	1933.48	1652.13	1317.43	982.09	668.98	378.52	200.69	129.77
180.0	2079.74	1927.13	1639.64	1295.41	959.22	637.65	356.08	194.98	120.88
225.0	2079.74	1966.08	1732.15	1408.88	1066.98	747.52	458.76	246.63	145.02
270.0	2079.74	2033.61	1781.05	1458.63	1111.65	793.67	494.54	264.84	150.94
315.0	2079.74	2055.00	1831.02	1514.31	1178.76	856.34	549.37	303.58	172.75
360.0	2079.74	2005.25	1774.91	1442.75	1089.42	774.20	480.35	261.66	150.94
C/ γ (°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	102.04	74.10	59.07	47.42	35.78	23.71	15.88	10.16	4.87
45.0	98.23	78.12	60.12	44.88	33.24	21.59	13.34	8.26	3.39
90.0	95.69	73.04	57.80	45.52	32.60	19.05	13.76	7.83	2.54
135.0	95.05	76.43	55.68	41.92	29.43	17.36	10.80	5.72	1.48
180.0	73.88	63.30	51.44	39.80	26.89	16.30	11.22	5.72	1.69
225.0	101.19	78.75	59.07	44.88	33.45	20.96	12.49	7.20	2.96
270.0	97.81	71.77	58.22	47.00	33.66	21.17	15.24	8.89	4.23
315.0	116.86	87.86	70.50	51.23	38.53	26.25	16.30	9.95	5.29
360.0	102.04	74.10	59.07	47.42	35.78	23.71	15.88	10.16	4.87
C/ γ (°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.64	0.21	0.00	0.00	0.21	0.42	0.21	0.00	0.21
45.0	0.21	0.21	0.21	0.42	0.42	0.21	0.42	0.42	0.42
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
225.0	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00
270.0	0.21	0.42	0.64	0.42	0.64	0.64	0.64	0.21	0.64
315.0	0.64	0.21	0.42	0.00	0.21	0.00	0.21	0.21	0.21
360.0	0.64	0.21	0.00	0.00	0.21	0.42	0.21	0.00	0.21
C/ γ (°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	0.64	0.42	0.85	1.06	1.27	1.48	2.12	1.69	2.12
45.0	0.64	0.85	1.27	1.06	1.48	1.69	1.91	1.91	1.91
90.0	0.64	0.21	0.64	0.85	1.27	1.27	1.69	1.91	1.91
135.0	0.00	0.42	0.64	0.85	1.27	1.48	1.27	1.69	1.91
180.0	0.21	0.42	0.64	1.27	1.27	1.69	1.69	1.69	1.48
225.0	0.21	0.42	0.42	0.85	1.06	1.69	1.27	1.91	1.91
270.0	1.06	1.06	1.06	1.27	1.48	1.48	2.12	2.12	2.33
315.0	0.21	0.42	0.85	0.85	1.06	1.27	1.69	1.69	1.91
360.0	0.64	0.42	0.85	1.06	1.27	1.48	2.12	1.69	2.12
C/ γ (°)	180.0								
0.0	2.33								
45.0	2.33								
90.0	2.33								
135.0	2.33								
180.0	2.33								
225.0	2.33								
270.0	2.33								
315.0	2.33								
360.0	2.33								