



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

LumCAT: LD3S-5CCT-5SSL-3000K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.10

LampCAT:

Current(A): 0.1200

Lamp flux(lm): -1.0

Power (W): 14.18

Number of Lamps: 1

PF: 0.9844

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

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### Photometric Results

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Lumens(lm): 1267.42, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 89.38

Central intensity(cd): 606.226, Maximum intensity(cd): 1932.608

Angle of maximum intensity: C=0.0  $\gamma$ =25.0

Beam Angle(50%Imax): [C0/180]Total=52.9

[C90/270]Total=41.7

Field angle(10%Imax): [C0/180]Total=75.3

[C90/270]Total=115.5

Maximum s/h(1/2): C0\_180=0.28 C90\_270=0.65

Maximum s/h(1/4): C0\_180=0.50 C90\_270=0.75

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.40%

Down flux rate of LUM(%): 99.60%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 94.105%

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

Date:  
Humidity(%): 59%

Operator: Tester

## LD3S-5CCT-5SSL-3000K

## Zonal flux distribution table

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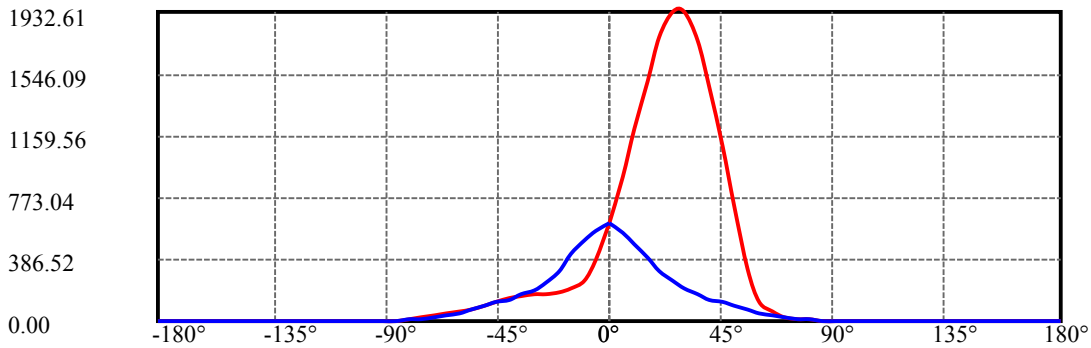
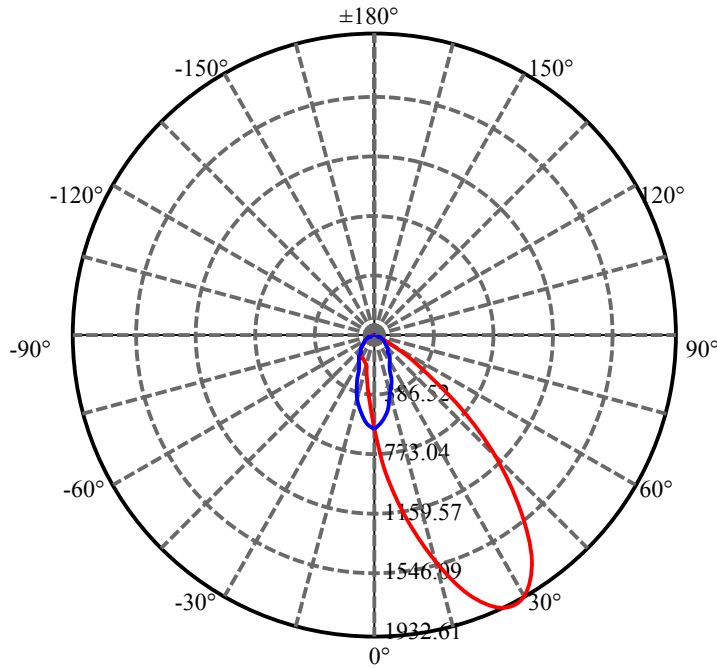
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	606.226	0.000	0	0.00%	0.00%
5.0	603.545	14.462	14.462	0.00%	1.14%
10.0	614.369	43.569	58.031	0.00%	4.58%
15.0	631.802	73.922	131.953	0.00%	10.41%
20.0	638.954	104.728	236.681	0.00%	18.67%
25.0	623.262	132.383	369.064	0.00%	29.12%
30.0	581.137	152.418	521.482	0.00%	41.15%
35.0	510.184	160.705	682.187	0.00%	53.82%
40.0	415.572	154.455	836.642	0.00%	66.01%
45.0	309.782	134.305	970.947	0.00%	76.61%
50.0	211.716	105.376	1076.323	0.00%	84.92%
55.0	120.883	72.318	1148.641	0.00%	90.63%
60.0	69.729	44.059	1192.701	0.00%	94.10%
65.0	45.389	27.985	1220.686	0.00%	96.31%
70.0	28.174	18.627	1239.313	0.00%	97.78%
75.0	16.480	11.672	1250.985	0.00%	98.70%
80.0	8.757	6.753	1257.738	0.00%	99.24%
85.0	3.671	3.377	1261.115	0.00%	99.50%
90.0	0.843	1.236	1262.351	0.00%	99.60%
95.0	0.381	0.335	1262.686	0.00%	99.63%
100.0	0.490	0.237	1262.923	0.00%	99.65%
105.0	0.463	0.255	1263.177	0.00%	99.67%
110.0	0.517	0.256	1263.433	0.00%	99.69%
115.0	0.571	0.275	1263.709	0.00%	99.71%
120.0	0.626	0.291	1264	0.00%	99.73%
125.0	0.762	0.321	1264.32	0.00%	99.76%
130.0	0.843	0.349	1264.669	0.00%	99.78%
135.0	1.006	0.374	1265.043	0.00%	99.81%
140.0	1.170	0.403	1265.446	0.00%	99.84%
145.0	1.278	0.408	1265.854	0.00%	99.88%
150.0	1.305	0.380	1266.235	0.00%	99.91%
155.0	1.360	0.337	1266.572	0.00%	99.93%
160.0	1.441	0.294	1266.866	0.00%	99.96%
165.0	1.441	0.238	1267.103	0.00%	99.97%
170.0	1.496	0.174	1267.277	0.00%	99.99%
175.0	1.523	0.108	1267.385	0.00%	100.00%
180.0	1.426	0.035	1267.421	0.00%	100.00%

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	521.48	N.A.	41.15%
0-40	836.64	N.A.	66.01%
0-60	1192.70	N.A.	94.10%
0-90	1262.35	N.A.	99.60%
0-120	1264.00	N.A.	99.73%
0-180	1267.42	N.A.	100.00%
60-90	69.65	N.A.	5.50%
90-120	1.65	N.A.	0.13%
90-130	2.32	N.A.	0.18%
90-150	3.88	N.A.	0.31%
90-180	5.03	N.A.	0.40%
0-47.04	1013.94	N.A.	80.00%

## ZONAL LUMEN SUMMARY

0-10	58.03
10-20	178.65
20-30	284.80
30-40	315.16
40-50	239.68
50-60	116.38
60-70	46.61
70-80	18.42
80-90	4.61
90-100	0.57
100-110	0.51
110-120	0.57
120-130	0.67
130-140	0.78
140-150	0.79
150-160	0.63
160-170	0.41
170-180	0.11

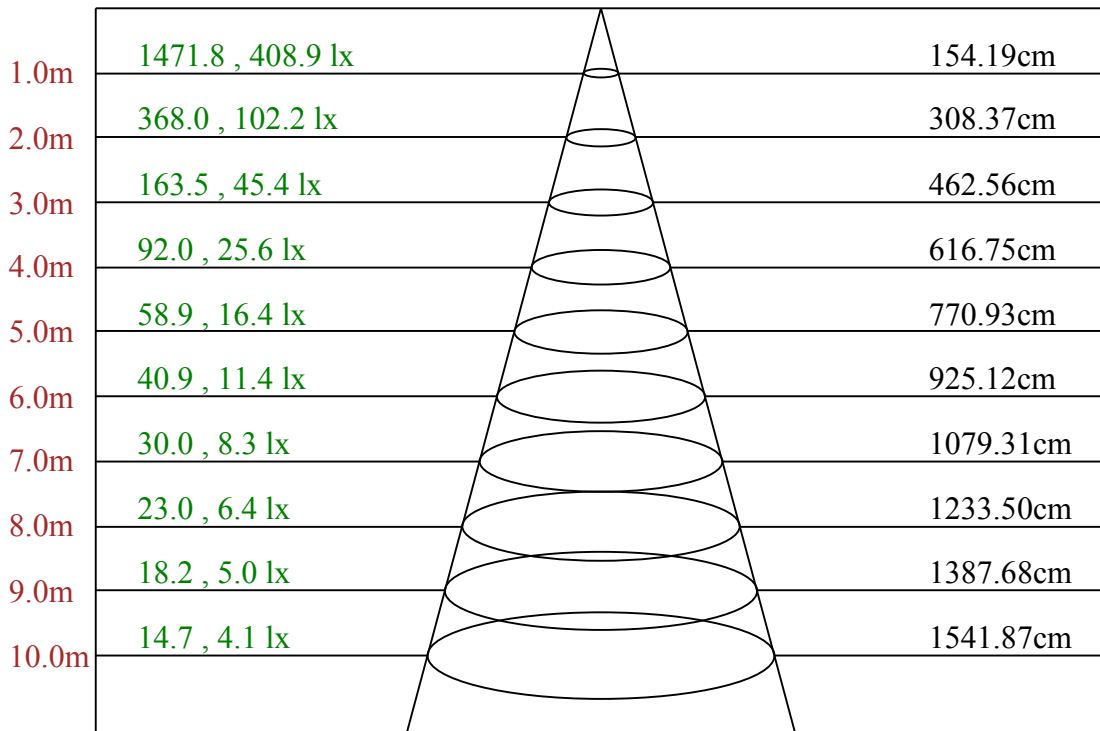


C0/C180: —

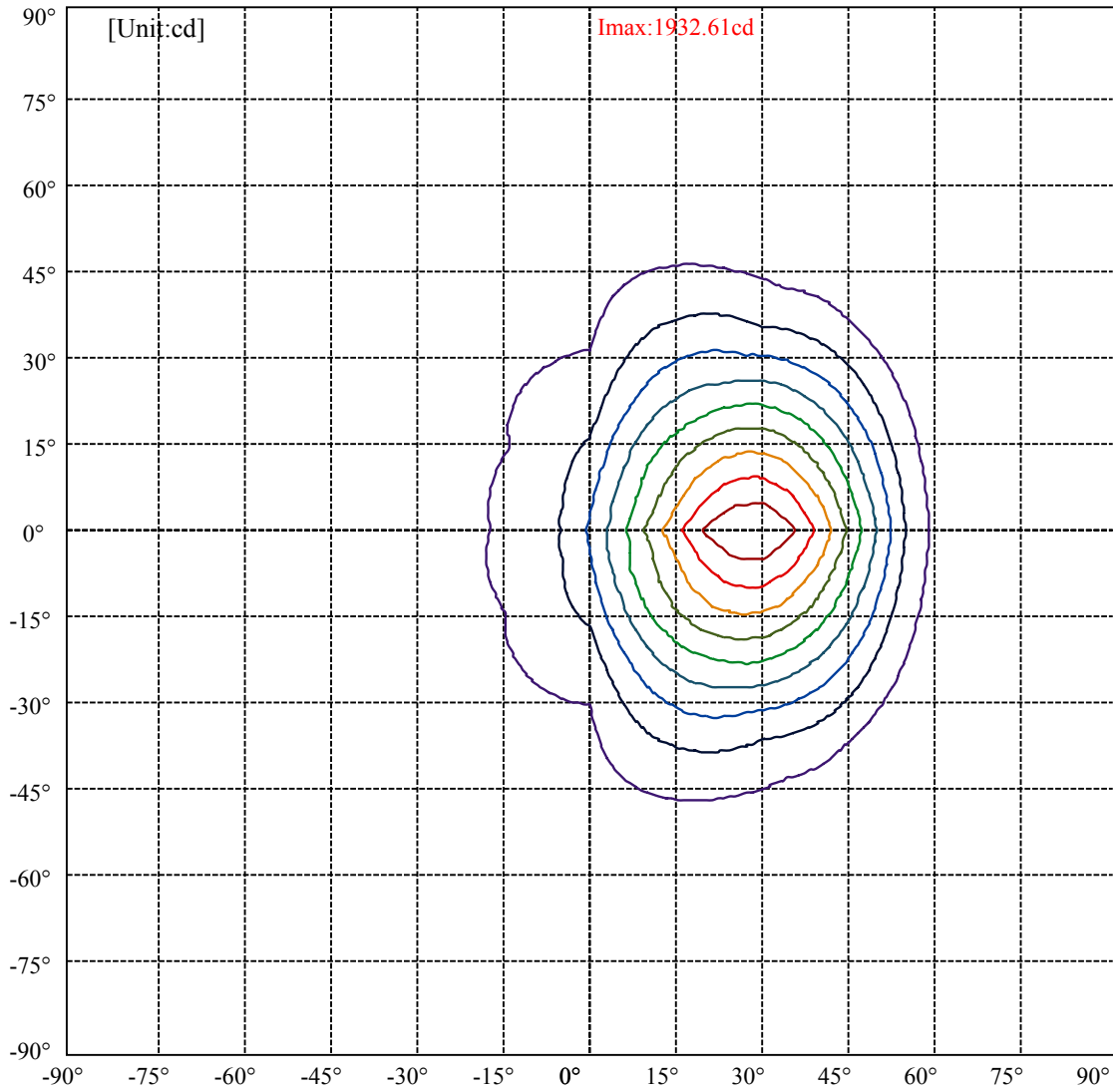
C90/C270: —

Field angle(10%Imax):C0/180Left:17.0 Right:58.3  
:C90/270Left:57.7 Right:57.8

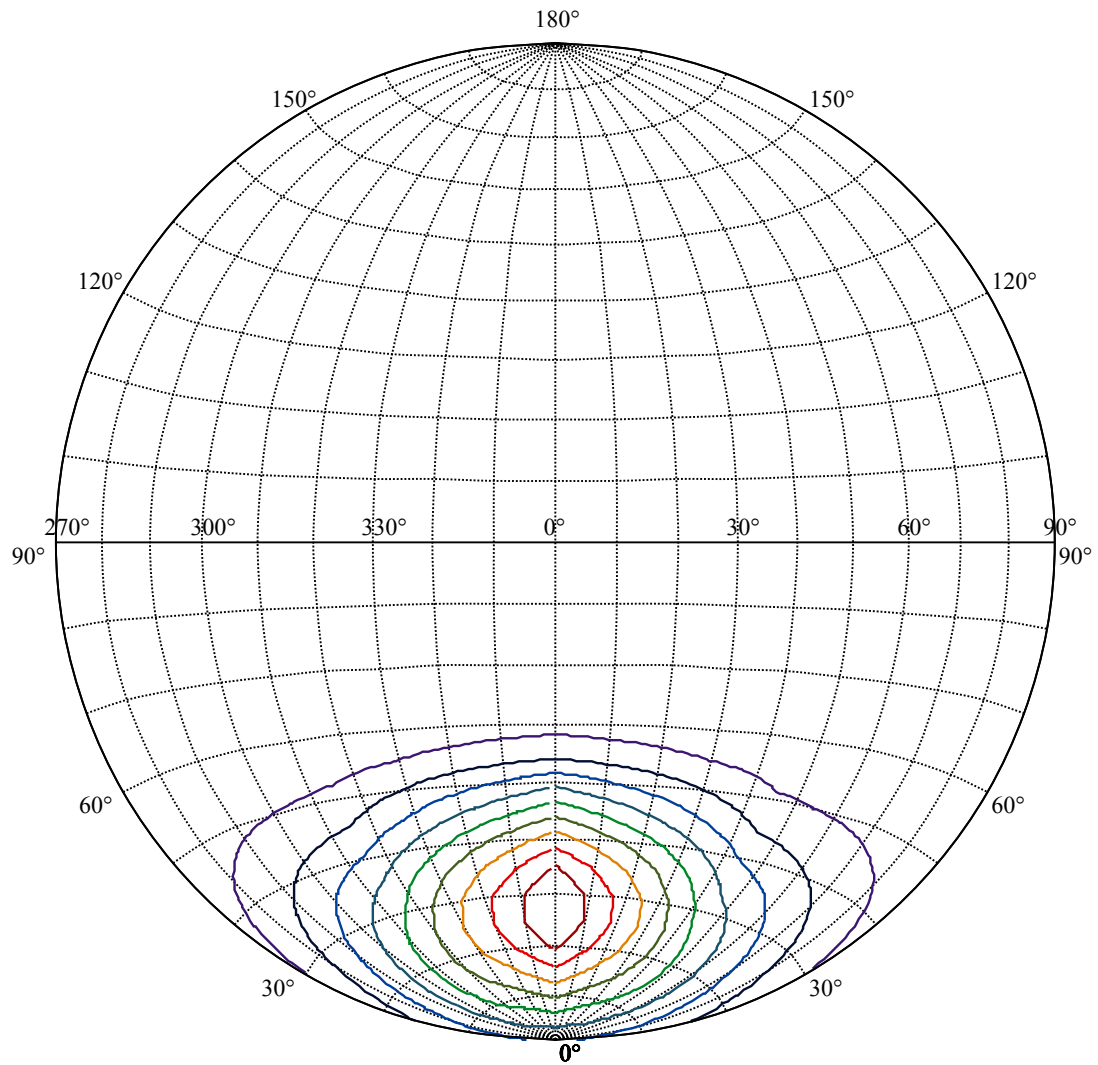
Beam Angle(50%Imax):C0/180Left:6.2 Right:46.7  
:C90/270Left:20.8 Right:20.9



Max , Ave      Beam angle of C0 plane 75.26



(10%Imax) 193.261	—
(20%Imax) 386.522	—
(30%Imax) 579.782	—
(40%Imax) 773.043	—
(50%Imax) 966.304	—
(60%Imax) 1159.56	—
(70%Imax) 1352.83	—
(80%Imax) 1546.09	—
(90%Imax) 1739.35	—



House

[Unit:cd]

Road

**Imax:1932.61**

(10%Imax) 193.261	—
(20%Imax) 386.522	—
(30%Imax) 579.782	—
(40%Imax) 773.043	—
(50%Imax) 966.304	—
(60%Imax) 1159.56	—
(70%Imax) 1352.83	—
(80%Imax) 1546.09	—
(90%Imax) 1739.35	—

LD3S-5CCT-5SSL-3000K

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	606.23	895.05	1202.25	1506.19	1773.79	1932.61	1931.09	1757.25	1459.41
45.0	606.23	770.82	908.54	1003.18	1025.37	975.99	874.82	732.97	554.57
90.0	606.23	550.43	484.73	399.45	316.12	246.72	200.81	164.26	137.28
135.0	606.23	420.55	292.40	222.35	189.93	171.22	160.56	153.38	144.90
180.0	606.23	387.04	253.68	202.77	179.49	169.26	164.26	155.56	140.33
225.0	606.23	431.43	300.45	228.88	194.07	174.92	165.78	158.82	149.47
270.0	606.23	565.66	506.05	414.46	316.12	238.23	193.85	162.30	137.28
315.0	606.23	807.37	966.85	1077.15	1116.75	1077.15	957.93	796.93	601.34
360.0	606.23	895.05	1202.25	1506.19	1773.79	1932.61	1931.09	1757.25	1459.41

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	1092.60	721.00	323.30	125.10	59.83	28.07	13.49	6.96	2.61
45.0	370.51	219.52	124.45	72.23	44.82	25.24	13.05	7.62	3.92
90.0	115.96	93.33	70.27	52.87	36.77	23.06	13.92	7.62	3.48
135.0	130.32	111.61	82.24	56.57	42.64	30.02	19.15	10.23	4.13
180.0	114.22	93.12	77.24	64.18	51.13	37.86	25.02	12.84	4.35
225.0	134.89	116.40	85.94	61.14	46.12	33.72	22.19	11.75	5.22
270.0	115.09	91.81	70.71	52.22	35.46	21.32	13.05	6.53	2.83
315.0	404.67	246.93	132.93	73.54	46.34	26.11	11.97	6.53	2.83
360.0	1092.60	721.00	323.30	125.10	59.83	28.07	13.49	6.96	2.61

C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.87	0.65	0.65	0.65	0.87	0.87	0.65	0.87	0.87
45.0	0.87	0.44	0.65	0.65	0.65	0.87	0.65	0.65	0.87
90.0	0.87	0.22	0.22	0.00	0.22	0.22	0.22	0.44	0.44
135.0	1.09	0.22	0.44	0.44	0.22	0.22	0.22	0.65	0.87
180.0	0.65	0.22	0.44	0.44	0.44	0.44	0.87	1.09	1.31
225.0	1.09	0.22	0.22	0.22	0.22	0.44	0.65	0.65	0.87
270.0	0.87	0.65	0.65	0.65	0.65	0.87	0.87	0.87	0.87
315.0	0.44	0.44	0.65	0.65	0.87	0.65	0.87	0.87	0.65
360.0	0.87	0.65	0.65	0.65	0.87	0.87	0.65	0.87	0.87

C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	1.09	0.87	1.09	0.87	1.09	0.87	1.31	1.31	1.52
45.0	0.87	1.09	0.87	1.09	1.09	1.09	1.31	1.52	1.52
90.0	0.44	0.65	0.87	0.87	1.09	1.09	1.09	1.09	1.31
135.0	1.09	0.87	1.31	1.31	1.31	1.31	1.31	1.31	1.52
180.0	1.52	1.74	1.96	2.18	1.96	2.18	1.96	1.74	1.74
225.0	1.09	1.74	1.96	1.96	2.18	2.39	2.18	1.96	1.74
270.0	1.09	1.31	1.31	1.09	1.31	1.52	1.31	1.52	1.52
315.0	0.87	1.09	0.87	1.09	0.87	1.09	1.09	1.52	1.31
360.0	1.09	0.87	1.09	0.87	1.09	0.87	1.31	1.31	1.52

C/γ(°)	180.0
0.0	1.43
45.0	1.43
90.0	1.43
135.0	1.43
180.0	1.43
225.0	1.43
270.0	1.43
315.0	1.43
360.0	1.43