



Shenzhen Belling Efficiency Testing Laboratory Co.,Ltd.
www.bellingeel.com

Tel:0755-21038430

Address:Rm. 108, No.1 Building, Meibaohe industrial park, No.14 Shilongzi Road, Dalang street, Longhua district, Shenzhen, China

Client:

LumCAT: LD3S-5CCT-5SSL-3500K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.10

LampCAT:

Current(A): 0.1200

Lamp flux(lm): -1.0

Power (W): 14.22

Number of Lamps: 1

PF: 0.9843

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1351.17, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 95.02

Central intensity(cd): 604.786, Maximum intensity(cd): 2084.905

Angle of maximum intensity: C=0.0 γ =30.0

Beam Angle(50%Imax): [C0/180]Total=54.3

[C90/270]Total=42.3

Field angle(10%Imax): [C0/180]Total=74.3

[C90/270]Total=117.3

Maximum s/h(1/2): C0_180=0.28 C90_270=0.65

Maximum s/h(1/4): C0_180=0.54 C90_270=0.77

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.41%

Down flux rate of LUM(%): 99.59%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 94.101%

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

Date:
Humidity(%): 59%

Operator: Tester

LD3S-5CCT-5SSL-3500K

Zonal flux distribution table

Appendix Page: 2 Total:8

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	604.786	0.000	0	0.00%	0.00%
5.0	606.336	14.479	14.479	0.00%	1.07%
10.0	622.162	43.947	58.426	0.00%	4.32%
15.0	649.309	75.423	133.849	0.00%	9.91%
20.0	662.883	108.143	241.992	0.00%	17.91%
25.0	655.865	138.312	380.304	0.00%	28.15%
30.0	618.465	161.268	541.571	0.00%	40.08%
35.0	548.576	171.855	713.426	0.00%	52.80%
40.0	451.481	166.852	880.278	0.00%	65.15%
45.0	338.127	146.202	1026.481	0.00%	75.97%
50.0	234.563	115.720	1142.201	0.00%	84.53%
55.0	135.476	80.459	1222.66	0.00%	90.49%
60.0	75.666	48.805	1271.465	0.00%	94.10%
65.0	48.605	30.210	1301.675	0.00%	96.34%
70.0	29.949	19.890	1321.566	0.00%	97.81%
75.0	17.068	12.289	1333.855	0.00%	98.72%
80.0	9.213	7.032	1340.887	0.00%	99.24%
85.0	3.755	3.523	1344.41	0.00%	99.50%
90.0	0.809	1.249	1345.66	0.00%	99.59%
95.0	0.491	0.356	1346.016	0.00%	99.62%
100.0	0.462	0.259	1346.275	0.00%	99.64%
105.0	0.491	0.255	1346.53	0.00%	99.66%
110.0	0.549	0.272	1346.801	0.00%	99.68%
115.0	0.722	0.322	1347.123	0.00%	99.70%
120.0	0.693	0.344	1347.467	0.00%	99.73%
125.0	0.866	0.360	1347.827	0.00%	99.75%
130.0	0.953	0.396	1348.223	0.00%	99.78%
135.0	1.126	0.420	1348.643	0.00%	99.81%
140.0	1.126	0.417	1349.06	0.00%	99.84%
145.0	1.271	0.400	1349.46	0.00%	99.87%
150.0	1.502	0.408	1349.868	0.00%	99.90%
155.0	1.530	0.384	1350.252	0.00%	99.93%
160.0	1.559	0.324	1350.576	0.00%	99.96%
165.0	1.559	0.257	1350.833	0.00%	99.97%
170.0	1.588	0.187	1351.019	0.00%	99.99%
175.0	1.559	0.113	1351.132	0.00%	100.00%
180.0	1.720	0.039	1351.171	0.00%	100.00%

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

Date:
Humidity(%): 59%

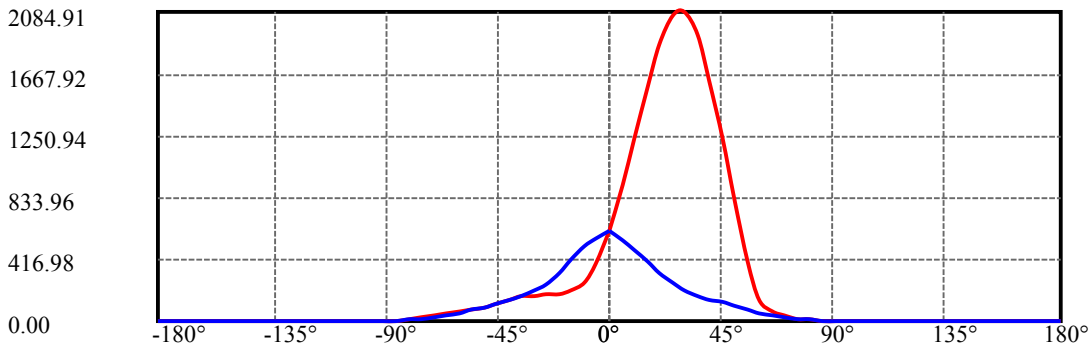
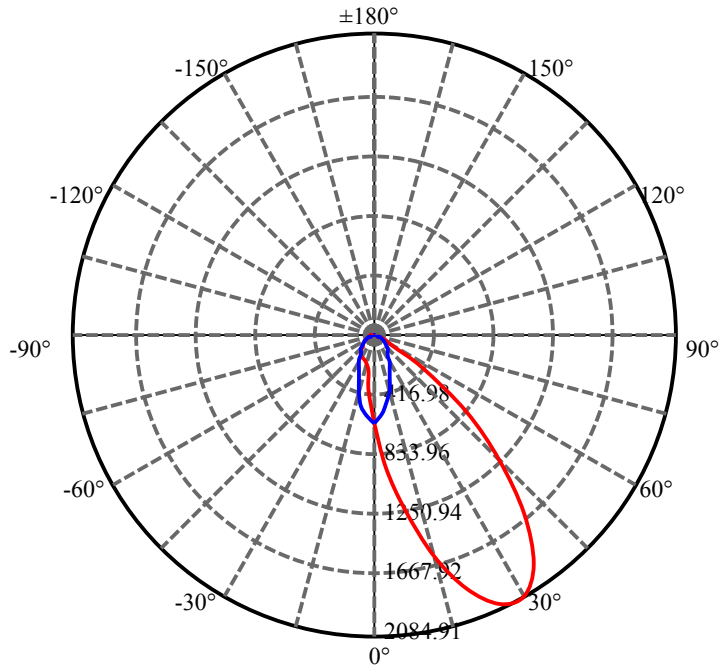
Operator: Tester

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	541.57	N.A.	40.08%
0-40	880.28	N.A.	65.15%
0-60	1271.46	N.A.	94.10%
0-90	1345.66	N.A.	99.59%
0-120	1347.47	N.A.	99.73%
0-180	1351.17	N.A.	100.00%
60-90	74.20	N.A.	5.49%
90-120	1.81	N.A.	0.13%
90-130	2.56	N.A.	0.19%
90-150	4.21	N.A.	0.31%
90-180	5.47	N.A.	0.40%
0-47.35	1080.94	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	58.43
10-20	183.57
20-30	299.58
30-40	338.71
40-50	261.92
50-60	129.26
60-70	50.10
70-80	19.32
80-90	4.77
90-100	0.61
100-110	0.53
110-120	0.67
120-130	0.76
130-140	0.84
140-150	0.81
150-160	0.71
160-170	0.44
170-180	0.11

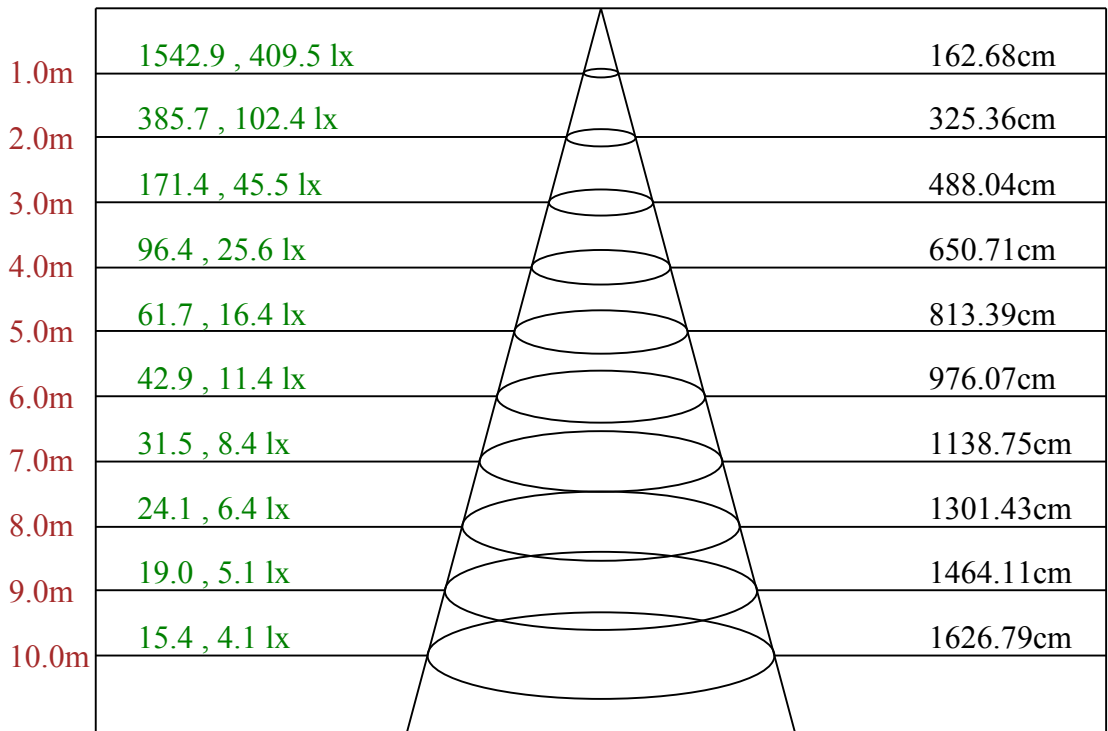


C0/C180: —

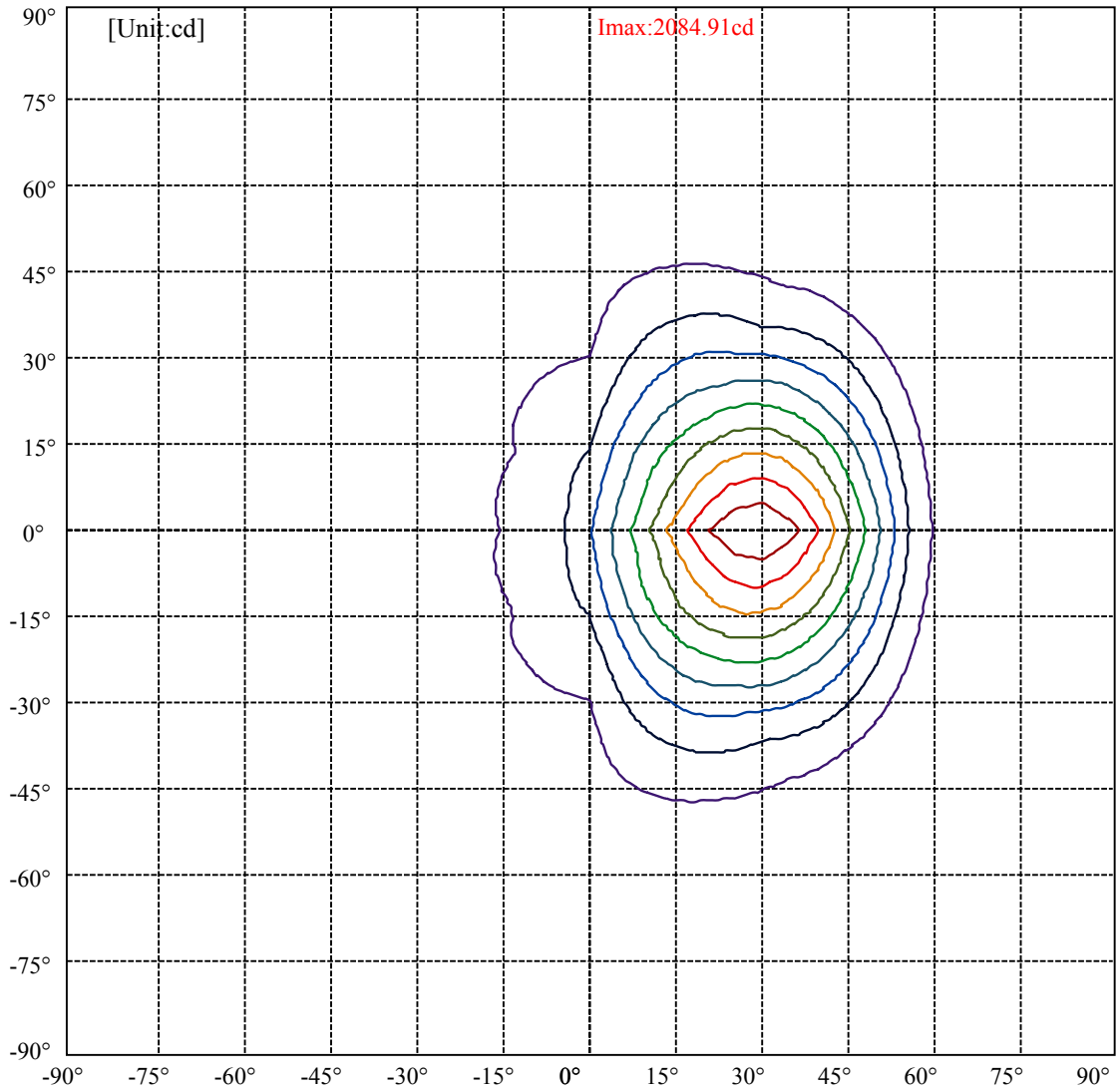
C90/C270: —

Field angle(10%Imax):C0/180Left:15.5 Right:58.8
:C90/270Left:58.6 Right:58.7

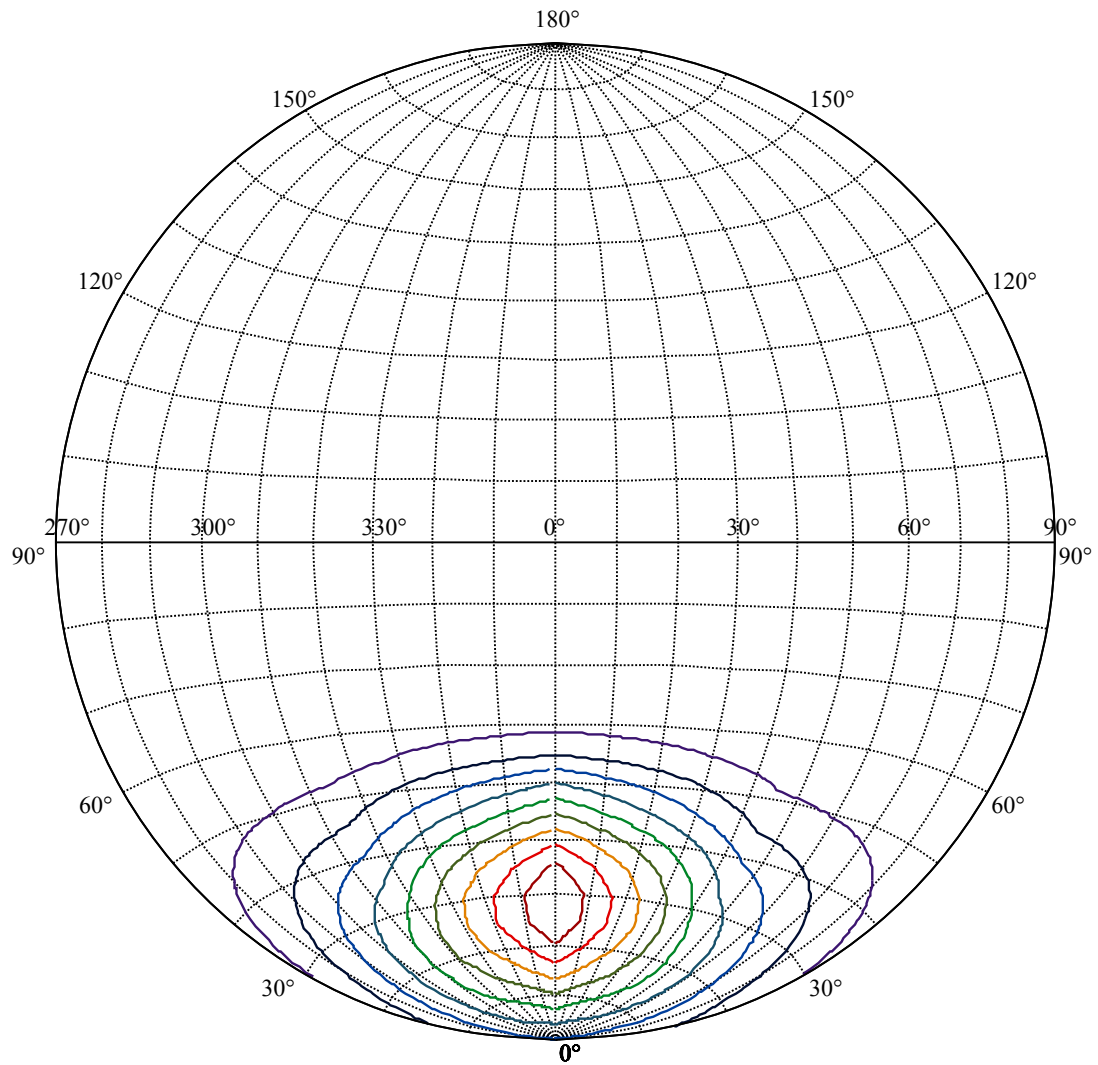
Beam Angle(50%Imax):C0/180Left:7.0 Right:47.3
:C90/270Left:21.1 Right:21.2



Max , Ave Beam angle of C0 plane 78.25



(10%Imax) 208.491	—
(20%Imax) 416.981	—
(30%Imax) 625.471	—
(40%Imax) 833.962	—
(50%Imax) 1042.45	—
(60%Imax) 1250.94	—
(70%Imax) 1459.43	—
(80%Imax) 1667.92	—
(90%Imax) 1876.41	—



House

[Unit:cd]

Road

Imax:2084.91

(10%Imax) 208.491	—
(20%Imax) 416.981	—
(30%Imax) 625.471	—
(40%Imax) 833.962	—
(50%Imax) 1042.45	—
(60%Imax) 1250.94	—
(70%Imax) 1459.43	—
(80%Imax) 1667.92	—
(90%Imax) 1876.41	—

LD3S-5CCT-5SSL-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	604.79	919.54	1232.14	1575.23	1859.41	2056.95	2084.91	1924.56	1618.67
45.0	604.79	777.68	926.70	1031.36	1061.86	1019.58	921.85	782.30	600.94
90.0	604.79	546.64	480.33	399.01	317.45	253.91	207.01	172.36	145.32
135.0	604.79	422.11	291.80	228.96	198.23	179.06	169.35	162.42	151.56
180.0	604.79	383.30	259.23	210.94	187.60	178.13	173.05	163.35	144.17
225.0	604.79	426.50	302.43	234.28	201.01	183.68	173.97	167.04	156.41
270.0	604.79	560.50	500.20	410.56	319.07	245.13	201.01	168.89	144.40
315.0	604.79	814.42	984.46	1104.14	1158.44	1130.48	1016.58	847.69	650.38
360.0	604.79	919.54	1232.14	1575.23	1859.41	2056.95	2084.91	1924.56	1618.67

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	1223.82	833.36	402.93	146.25	69.08	33.50	15.71	8.32	3.00
45.0	398.54	242.13	136.31	80.40	49.67	28.65	14.56	8.55	4.62
90.0	123.14	100.04	74.16	55.91	38.82	24.49	14.79	8.32	3.70
135.0	136.31	115.52	83.87	58.45	43.20	30.04	18.95	9.94	3.93
180.0	116.21	95.88	79.02	65.15	51.75	37.66	23.57	11.78	4.16
225.0	140.47	118.99	86.18	61.69	46.90	33.50	21.95	12.01	4.62
270.0	122.45	96.34	74.63	55.22	37.66	22.41	13.63	7.39	2.77
315.0	444.06	274.24	146.71	82.25	51.75	29.34	13.40	7.39	3.24
360.0	1223.82	833.36	402.93	146.25	69.08	33.50	15.71	8.32	3.00

C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.92	0.46	0.69	0.69	0.69	0.92	0.92	0.69	0.92
45.0	0.92	0.69	0.69	0.69	0.46	0.69	0.69	0.69	0.69
90.0	1.16	0.46	0.23	0.23	0.46	0.69	0.46	0.69	0.69
135.0	0.92	0.23	0.23	0.23	0.23	0.23	0.46	0.69	0.92
180.0	0.23	0.00	0.00	0.00	0.46	0.69	0.69	1.16	1.16
225.0	0.69	0.23	0.23	0.23	0.46	0.46	0.69	0.69	1.16
270.0	0.92	1.16	0.92	0.92	0.92	1.16	0.92	1.39	1.16
315.0	0.69	0.69	0.69	0.92	0.69	0.92	0.69	0.92	0.92
360.0	0.92	0.46	0.69	0.69	0.69	0.92	0.92	0.69	0.92

C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	0.92	0.92	0.92	0.92	0.92	1.16	1.39	1.39	1.62
45.0	0.92	1.16	0.92	0.92	0.92	1.16	1.39	1.39	1.62
90.0	0.46	0.46	0.69	1.16	1.16	0.92	1.16	1.16	1.16
135.0	1.16	0.92	1.16	1.62	1.39	1.62	1.62	1.62	1.62
180.0	1.85	1.85	2.08	2.31	2.54	2.08	1.85	1.85	1.62
225.0	1.39	1.62	2.08	2.54	2.54	2.54	2.31	1.85	1.85
270.0	1.16	1.16	1.39	1.39	1.62	1.85	1.62	1.85	1.62
315.0	1.16	0.92	0.92	1.16	1.16	1.16	1.16	1.62	1.39
360.0	0.92	0.92	0.92	0.92	0.92	1.16	1.39	1.39	1.62

C/γ(°)	180.0
0.0	1.72
45.0	1.72
90.0	1.72
135.0	1.72
180.0	1.72
225.0	1.72
270.0	1.72
315.0	1.72
360.0	1.72