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Address:Junxiangda Building, West of Zhongshan Park Road, Nanshan District, Shenzhen, Guangdong, China

LumCAT: LB40N-BRZ-110-00

Luminaire: LED Flood Luminaire

Report No: BSR1502100401-9

Voltage(V): 119.9300

Test No: BSR1502100401-9

Current(A): 0.3360

LampCAT:

Power (W): 40.0200

Lamp flux(lm)

PF: 0.9930

Number of Lamps: 40

Ballast type:

Length(mm): 165

Width(mm): 220

Phm Type: C

Height(mm): 75

Photometric Results

Lumens(lm): 3760.30

Bright Area: 0.009

Lumens(lm)/Power(W): 93.96

SLI: 16.519

Central intensity(cd): 2509.258

Maximum intensity(cd): 2551.355

Angle of maximum intensity: C=180.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=88.8

[C90/270]Total=63.6

Field angle(10%Imax): [C0/180]Total=131.0

[C90/270]Total=110.5

IES Classification : TypeI

Longitudinal Classification : VeryShort

Cut Off Classification : FullCutoff

Max Cd(At 90°Vert) : 0

Max Cd(80 to 90°Vert) : 34.29744

Street Side UpWard Lumens: 0.00% of Luminaire

Street Side DownWard Lumens: 52.54% of Luminaire

House Side UpWard Lumens: 0.00% of Luminaire

House Side DownWard Lumens: 47.46% of Luminaire

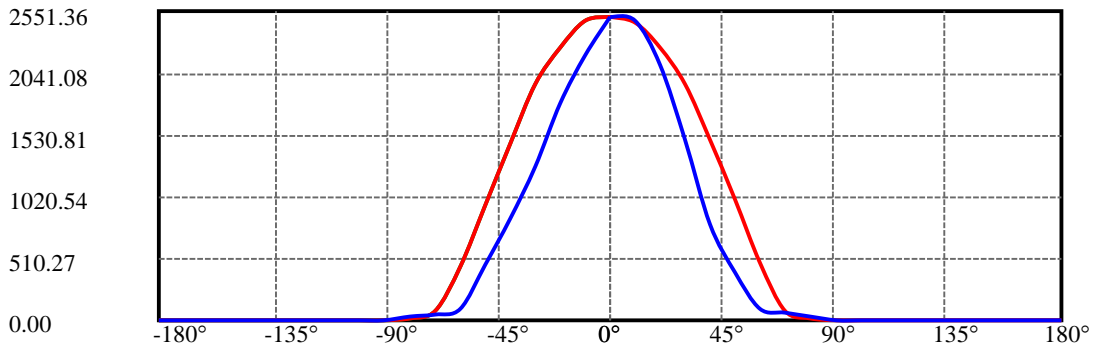
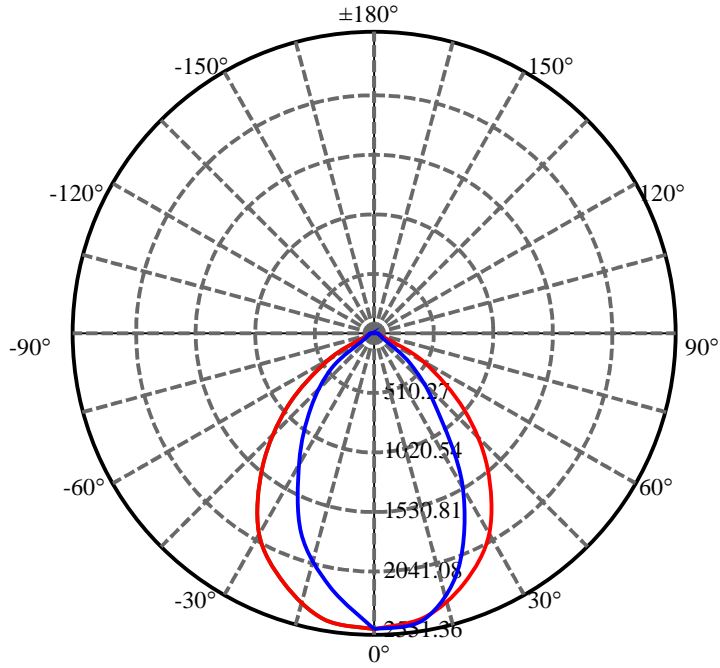
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2509.258	.000	.000	.000%	.000%
10.0	2393.912	234.018	234.018	6.223%	6.223%
20.0	2091.118	635.678	869.696	16.905%	23.128%
30.0	1572.861	847.963	1717.660	22.550%	45.679%
40.0	1060.934	827.274	2544.933	22.000%	67.679%
50.0	622.584	651.896	3196.830	17.336%	85.015%
60.0	203.060	370.368	3567.197	9.849%	94.865%
70.0	59.767	130.443	3697.641	3.469%	98.334%
80.0	28.889	46.895	3744.536	1.247%	99.581%
90.0	.000	15.760	3760.295	.419%	100.000%
100.0	.000	.000	3760.295	.000%	100.000%
110.0	.000	.000	3760.295	.000%	100.000%
120.0	.000	.000	3760.295	.000%	100.000%
130.0	.000	.000	3760.295	.000%	100.000%
140.0	.000	.000	3760.295	.000%	100.000%
150.0	.000	.000	3760.295	.000%	100.000%
160.0	.000	.000	3760.295	.000%	100.000%
170.0	.000	.000	3760.295	.000%	100.000%
180.0	.000	.000	3760.295	.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	1717.66	45.68%
0-40	2544.93	67.68%
0-60	3567.20	94.86%
0-90	3760.30	100.00%
0-120	3760.30	100.00%
0-180	3760.30	100.00%
60-90	563.47	14.98%
90-120	15.76	0.42%
90-130	15.76	0.42%
90-150	15.76	0.42%
90-180	15.76	0.42%
0-47.11	3008.24	80.00%

ZONAL LUMEN SUMMARY

0-10	234.02
10-20	635.68
20-30	847.96
30-40	827.27
40-50	651.90
50-60	370.37
60-70	130.44
70-80	46.90
80-90	15.76
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



C180(Max): —

C0/C180: —

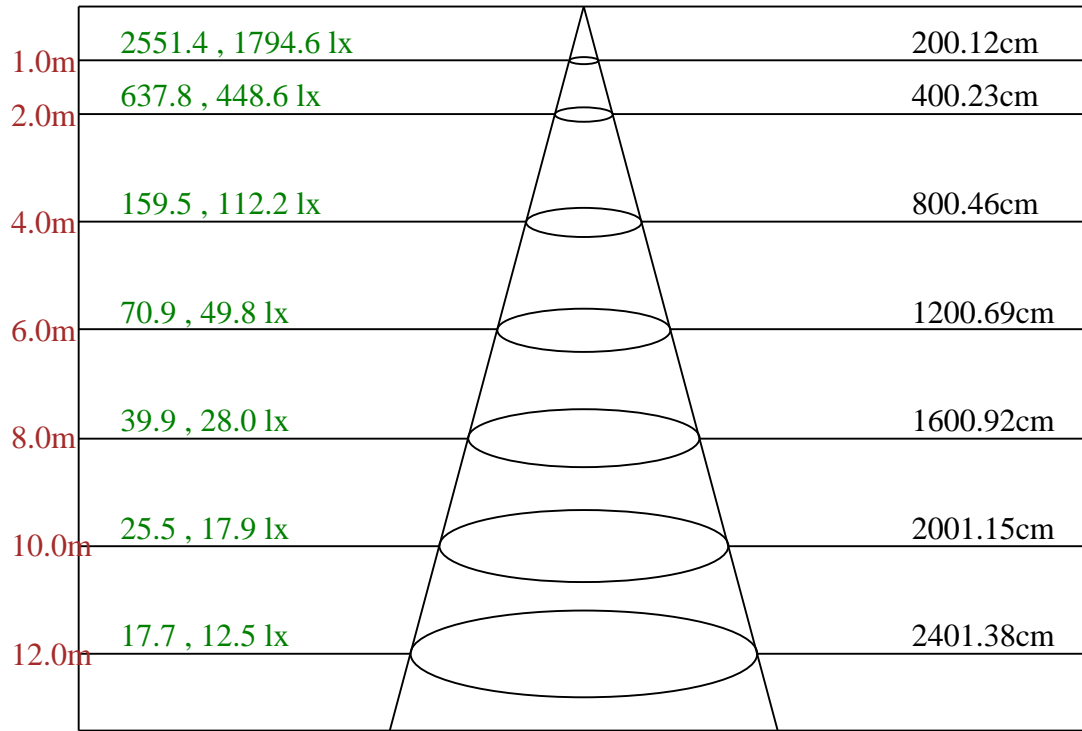
C90/C270: —

Field angle(10%Imax):C0/180Left:65.3 Right:65.7

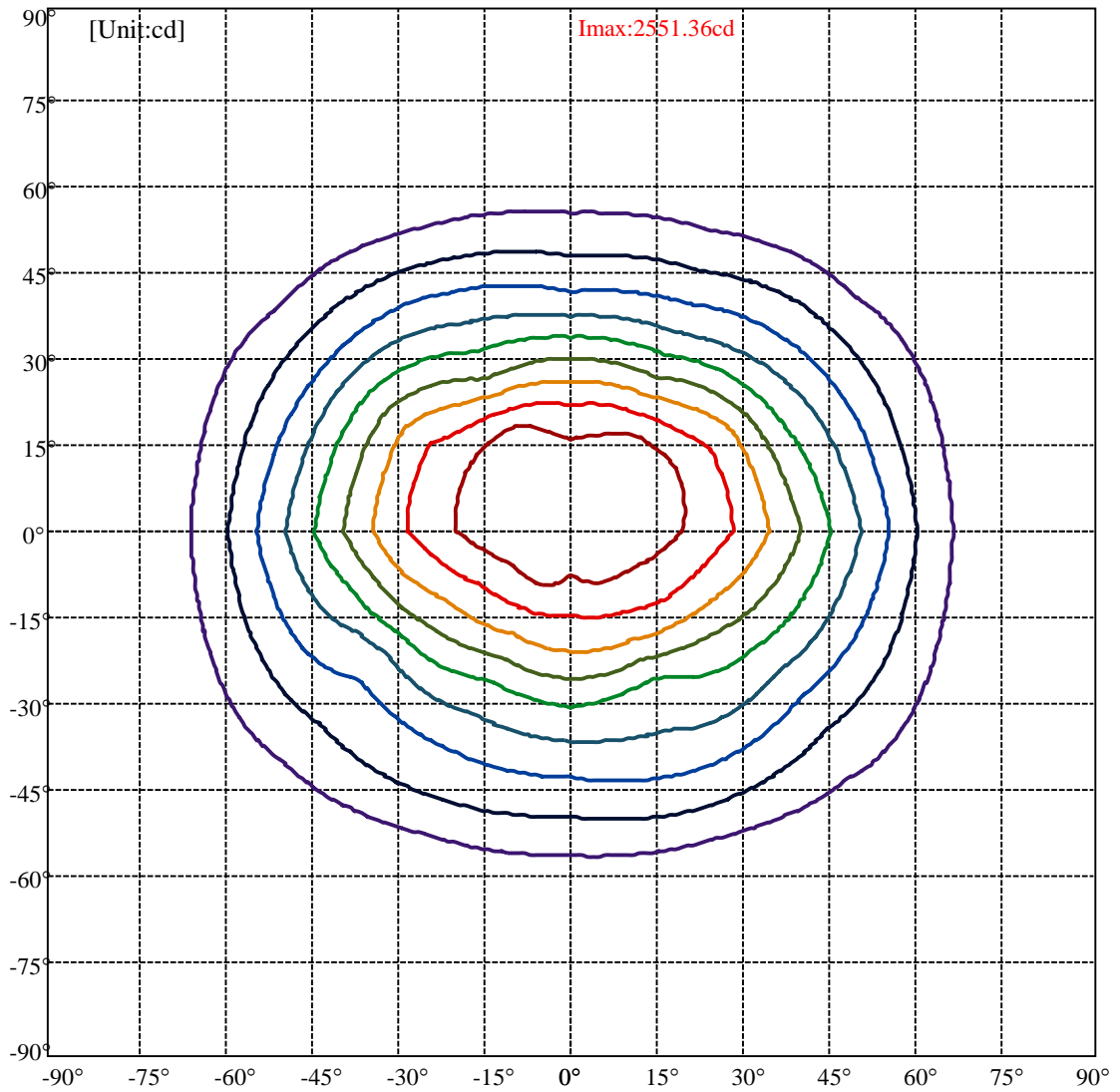
:C90/270Left:55.7 Right:54.8

Beam Angle(50%Imax):C0/180Left:44.0 Right:44.8

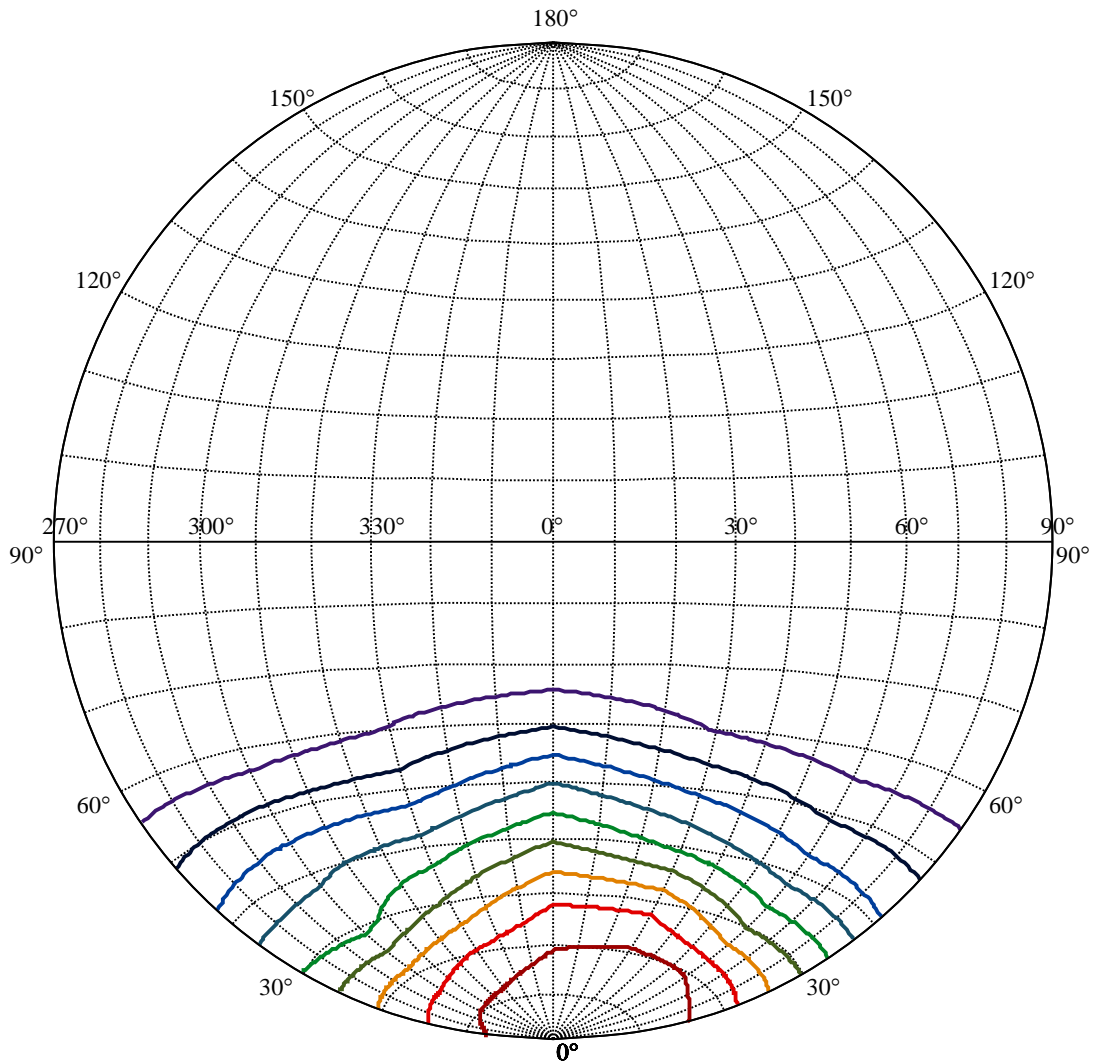
:C90/270Left:30.2 Right:33.4



Max , Ave Beam angle of C180plane90.03



(10% I _{max}) 251.161	—
(20% I _{max}) 502.323	—
(30% I _{max}) 753.484	—
(40% I _{max}) 1004.65	—
(50% I _{max}) 1255.81	—
(60% I _{max}) 1506.97	—
(70% I _{max}) 1758.13	—
(80% I _{max}) 2009.29	—
(90% I _{max}) 2260.45	—












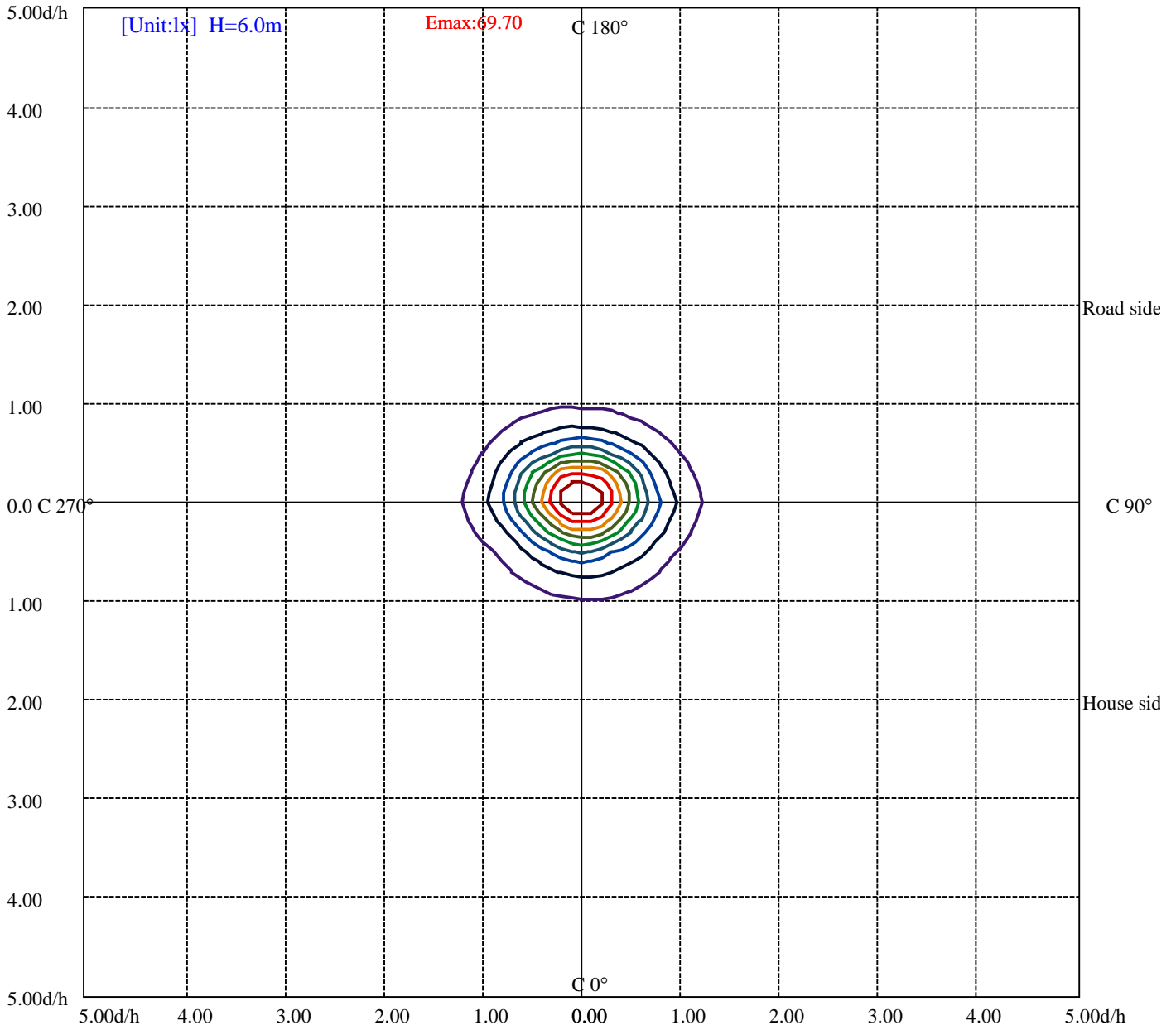
House

[Unit:cd]

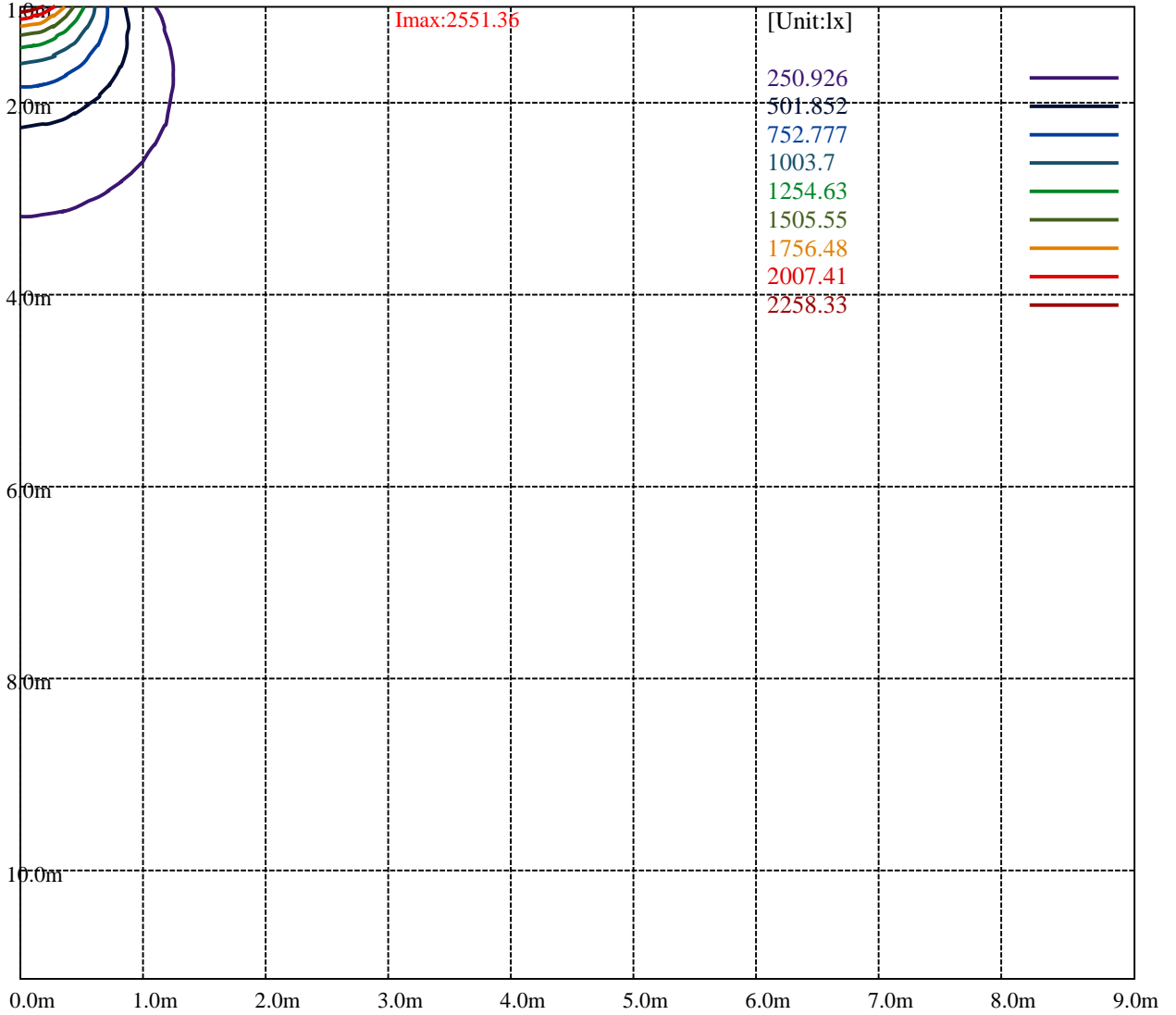
Road

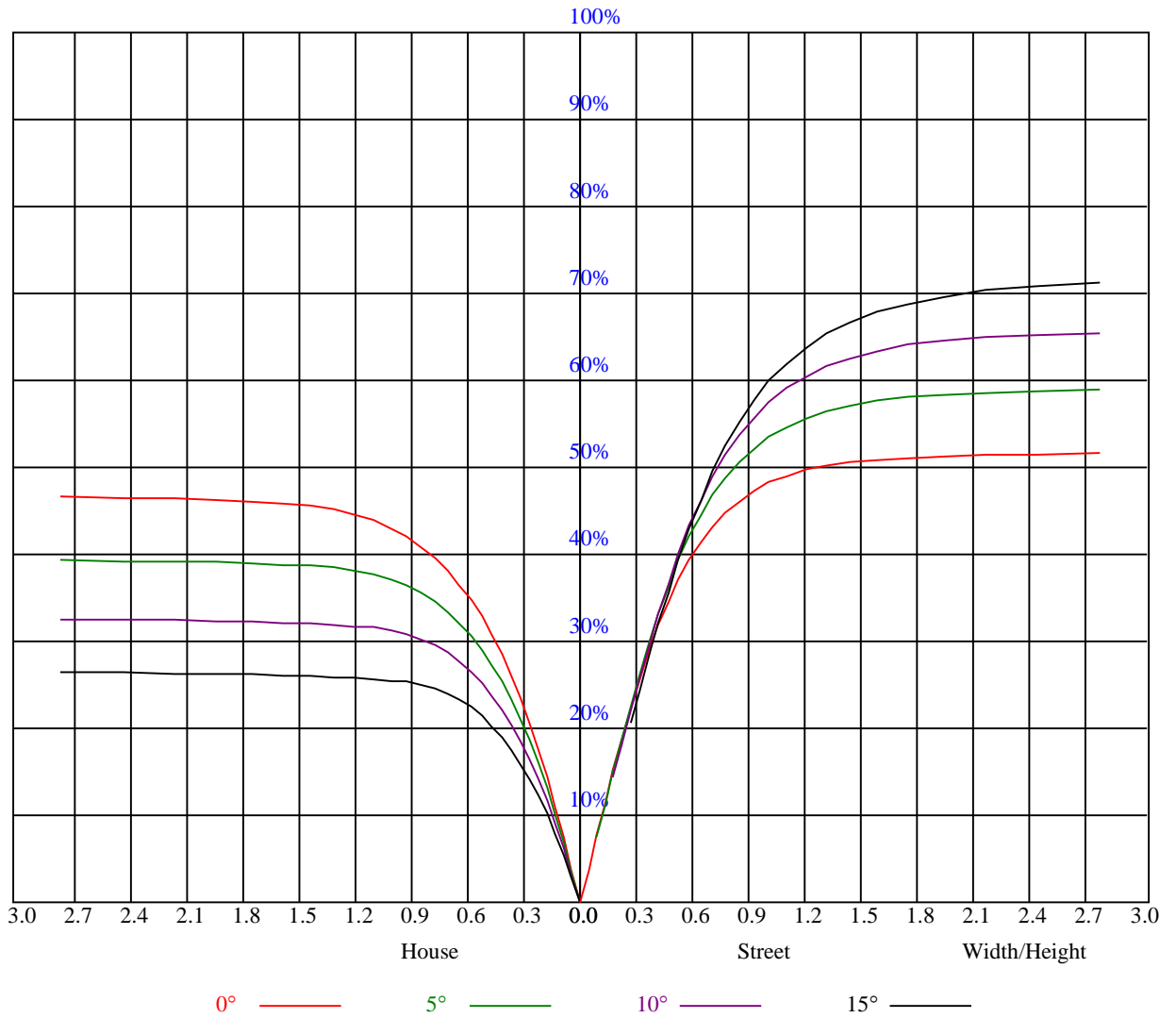
Imax:2551.36

(10% I _{max}) 251.278	
(20% I _{max}) 502.555	
(30% I _{max}) 753.833	
(40% I _{max}) 1005.11	
(50% I _{max}) 1256.39	
(60% I _{max}) 1507.67	
(70% I _{max}) 1758.94	
(80% I _{max}) 2010.22	
(90% I _{max}) 2261.5	



- (10%Emax) 6.970167
- (20%Emax) 13.94033
- (30%Emax) 20.91047
- (40%Emax) 27.88056
- (50%Emax) 34.85083
- (60%Emax) 41.82084
- (70%Emax) 48.79111
- (80%Emax) 55.76139
- (90%Emax) 62.73139





Intensity data(cd)

C/γ(°)	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0
0.0	2509.26	2449.54	2242.87	1948.31	1489.45	1001.09	479.14	79.74	19.92
30.0	2509.26	2488.72	2299.00	1913.82	1207.60	701.83	239.19	56.75	29.03
60.0	2509.26	2445.75	2246.96	1501.25	891.85	453.26	89.56	60.85	33.36
90.0	2509.26	2465.42	2109.89	1490.51	798.21	396.99	90.32	58.32	34.30
120.0	2509.26	2495.83	2294.92	1476.89	988.08	523.77	92.14	59.46	33.07
150.0	2509.26	2512.78	2280.09	1946.95	1335.13	697.14	229.36	56.75	28.26
180.0	2509.26	2465.57	2252.25	1951.79	1458.28	951.46	443.88	79.43	20.45
210.0	2509.26	2320.03	1928.04	1473.41	838.75	581.71	238.04	51.61	26.22
240.0	2509.26	2297.49	1765.55	1193.22	819.99	501.98	87.10	49.31	30.77
270.0	2509.26	2182.81	1791.12	1263.73	837.84	465.82	88.64	53.44	32.98
300.0	2509.26	2267.54	1847.40	1171.29	958.57	572.48	95.13	49.26	31.92
330.0	2509.26	2335.46	2035.30	1543.16	1107.44	623.47	264.23	62.30	26.37
360.0	2509.26	2449.54	2242.87	1948.31	1489.45	1001.09	479.14	79.74	19.92
C/γ(°)	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	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
210.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
240.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/γ(°)	180.0								
0.0	0.00								
30.0	0.00								
60.0	0.00								
90.0	0.00								
120.0	0.00								
150.0	0.00								
180.0	0.00								
210.0	0.00								
240.0	0.00								
270.0	0.00								
300.0	0.00								
330.0	0.00								
360.0	0.00								