



Bell-Southcn Testing Laboratory(Shenzhen)
Http://www.bell-southcn.com
Email:Marketing@bell-southcn.com
Tel:+86 755 29405577 Fax:+86 755 29405799
Address:Junxiangda Building, West of Zhongshan Park Road, Nanshan District, Shenzhen, Guangdong, China

LumCAT: LB100-BRZ-110-00

Luminaire: LED Flood Luminaire

Report No: BSR1502100101-9

Voltage(V): 120.0000

Test No: BSR1502100101-9

Current(A): 0.8300

LampCAT:

Power (W): 98.4900

Lamp flux(lm)

PF: 0.9890

Number of Lamps: 100

Ballast type:

Length(mm): 360

Width(mm): 260

Phm Type: C

Height(mm): 110

Photometric Results

Lumens(lm): 8875.25

Bright Area: 0.009

Lumens(lm)/Power(W): 90.11

SLI: 18.238

Central intensity(cd): 5617.917

Maximum intensity(cd): 5884.249

Angle of maximum intensity: C=240.0 γ =10.0

Beam Angle(50%Imax): [C0/180]Total=85.5

[C90/270]Total=68.6

Field angle(10%Imax): [C0/180]Total=127.4

[C90/270]Total=102.6

IES Classification : TypeI

Longitudinal Classification : VeryShort

Cut Off Classification : FullCutoff

Max Cd(At 90°Vert) : 0

Max Cd(80 to 90°Vert) : 81.76894

Street Side UpWard Lumens: 0.00% of Luminaire

Street Side DownWard Lumens: 49.07% of Luminaire

House Side UpWard Lumens: 0.00% of Luminaire

House Side DownWard Lumens: 50.93% of Luminaire

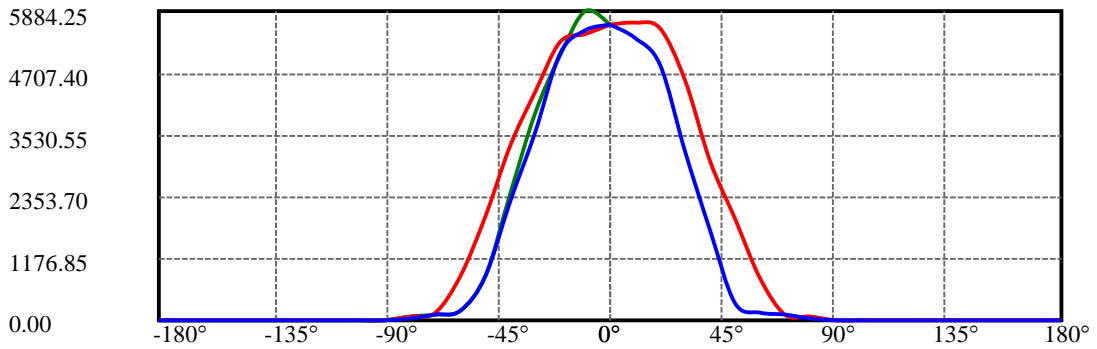
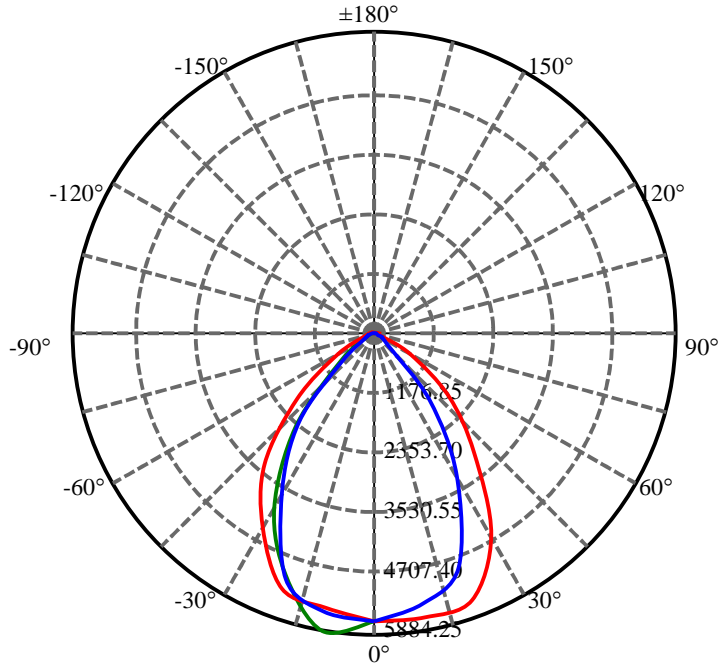
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5617.917	.000	.000	.000%	.000%
10.0	5653.220	537.947	537.947	6.061%	6.061%
20.0	5215.690	1540.487	2078.435	17.357%	23.418%
30.0	4048.861	2144.117	4222.552	24.158%	47.577%
40.0	2681.905	2114.130	6336.682	23.821%	71.397%
50.0	1175.163	1493.544	7830.226	16.828%	88.225%
60.0	360.602	688.914	8519.140	7.762%	95.988%
70.0	113.158	235.131	8754.271	2.649%	98.637%
80.0	56.890	89.948	8844.219	1.013%	99.650%
90.0	.000	31.036	8875.254	.350%	100.000%
100.0	.000	.000	8875.254	.000%	100.000%
110.0	.000	.000	8875.254	.000%	100.000%
120.0	.000	.000	8875.254	.000%	100.000%
130.0	.000	.000	8875.254	.000%	100.000%
140.0	.000	.000	8875.254	.000%	100.000%
150.0	.000	.000	8875.254	.000%	100.000%
160.0	.000	.000	8875.254	.000%	100.000%
170.0	.000	.000	8875.254	.000%	100.000%
180.0	.000	.000	8875.254	.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	4222.55	47.58%
0-40	6336.68	71.40%
0-60	8519.14	95.99%
0-90	8875.25	100.00%
0-120	8875.25	100.00%
0-180	8875.25	100.00%
60-90	1045.03	11.77%
90-120	31.04	0.35%
90-130	31.04	0.35%
90-150	31.04	0.35%
90-180	31.04	0.35%
0-45.11	7100.20	80.00%

ZONAL LUMEN SUMMARY

0-10	537.95
10-20	1540.49
20-30	2144.12
30-40	2114.13
40-50	1493.54
50-60	688.91
60-70	235.13
70-80	89.95
80-90	31.04
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



C240(Max): —

C0/C180: —

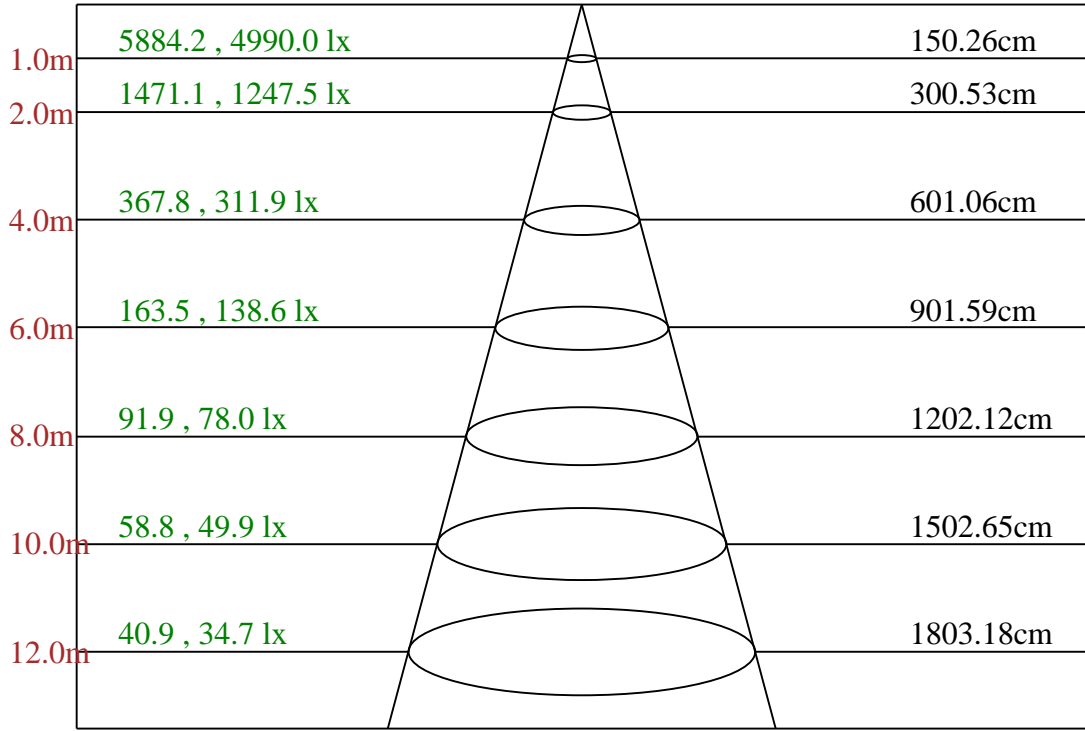
C90/C270: —

Field angle(10%Imax):C0/180Left:63.8 Right:63.6

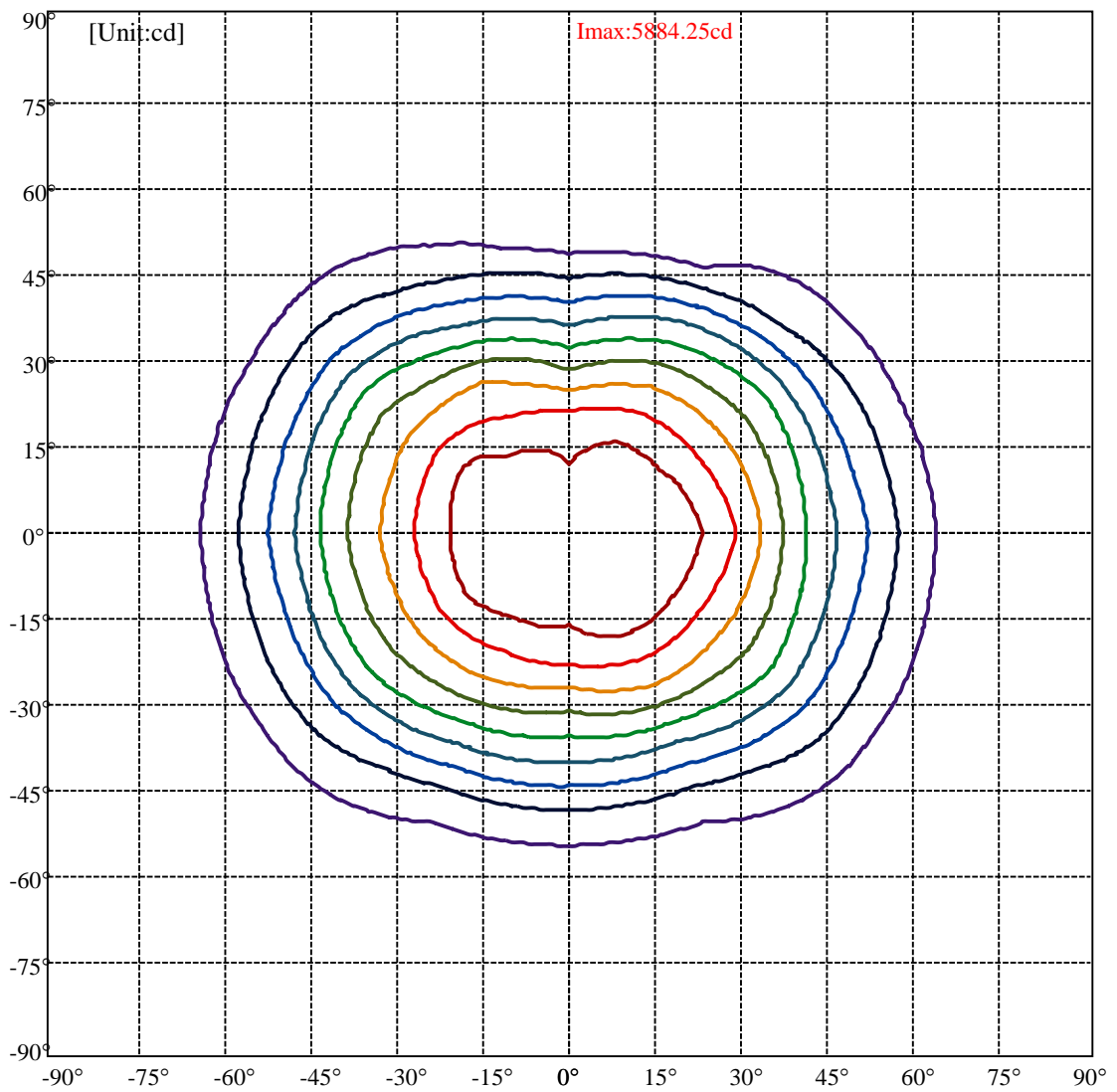
:C90/270Left:54.2 Right:48.4

Beam Angle(50%Imax):C0/180Left:43.7 Right:41.8

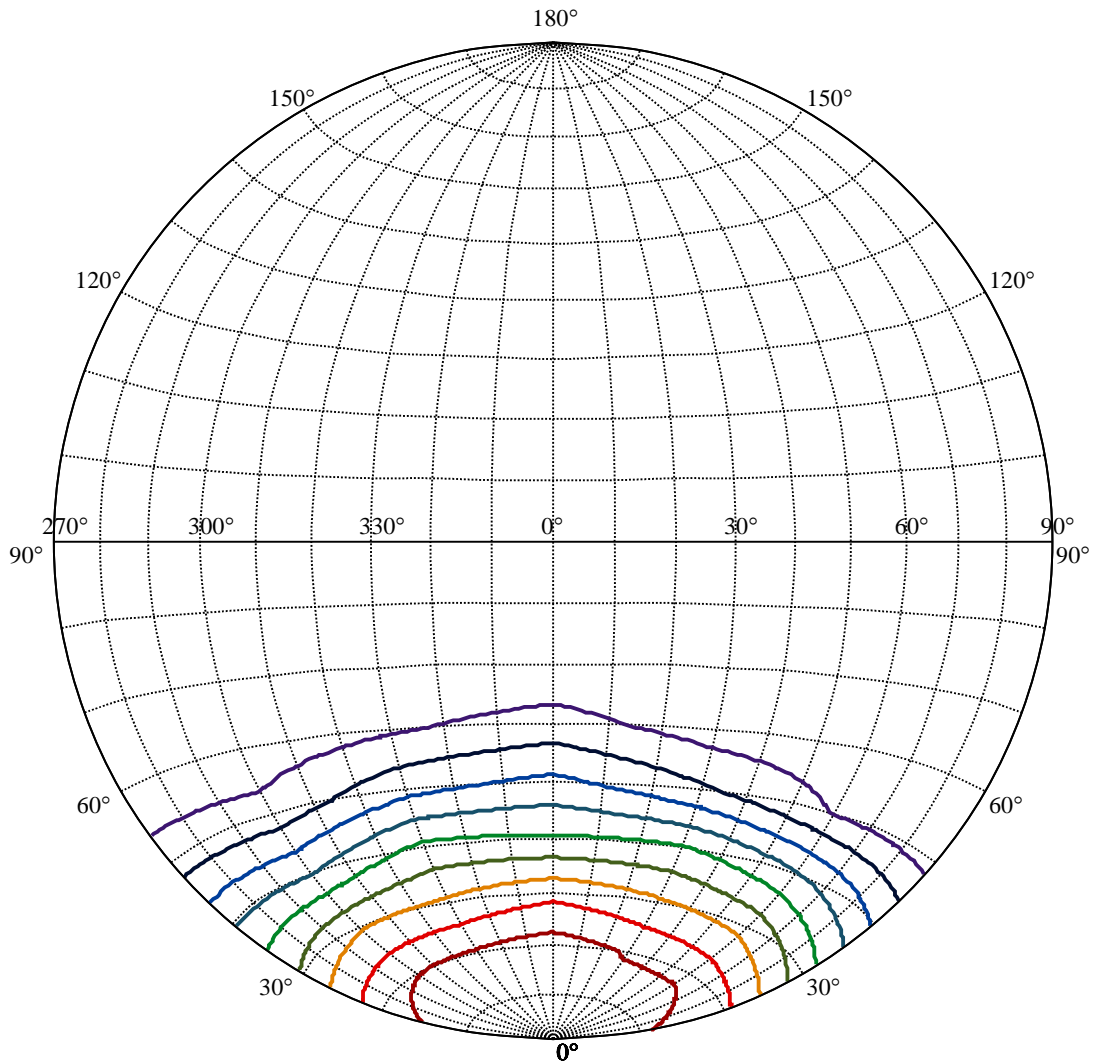
:C90/270Left:35.9 Right:32.7



Max , Ave Beam angle of C240plane73.84



(10% I _{max}) 585.629	—
(20% I _{max}) 1171.26	—
(30% I _{max}) 1756.89	—
(40% I _{max}) 2342.52	—
(50% I _{max}) 2928.15	—
(60% I _{max}) 3513.77	—
(70% I _{max}) 4099.4	—
(80% I _{max}) 4685.03	—
(90% I _{max}) 5270.66	—



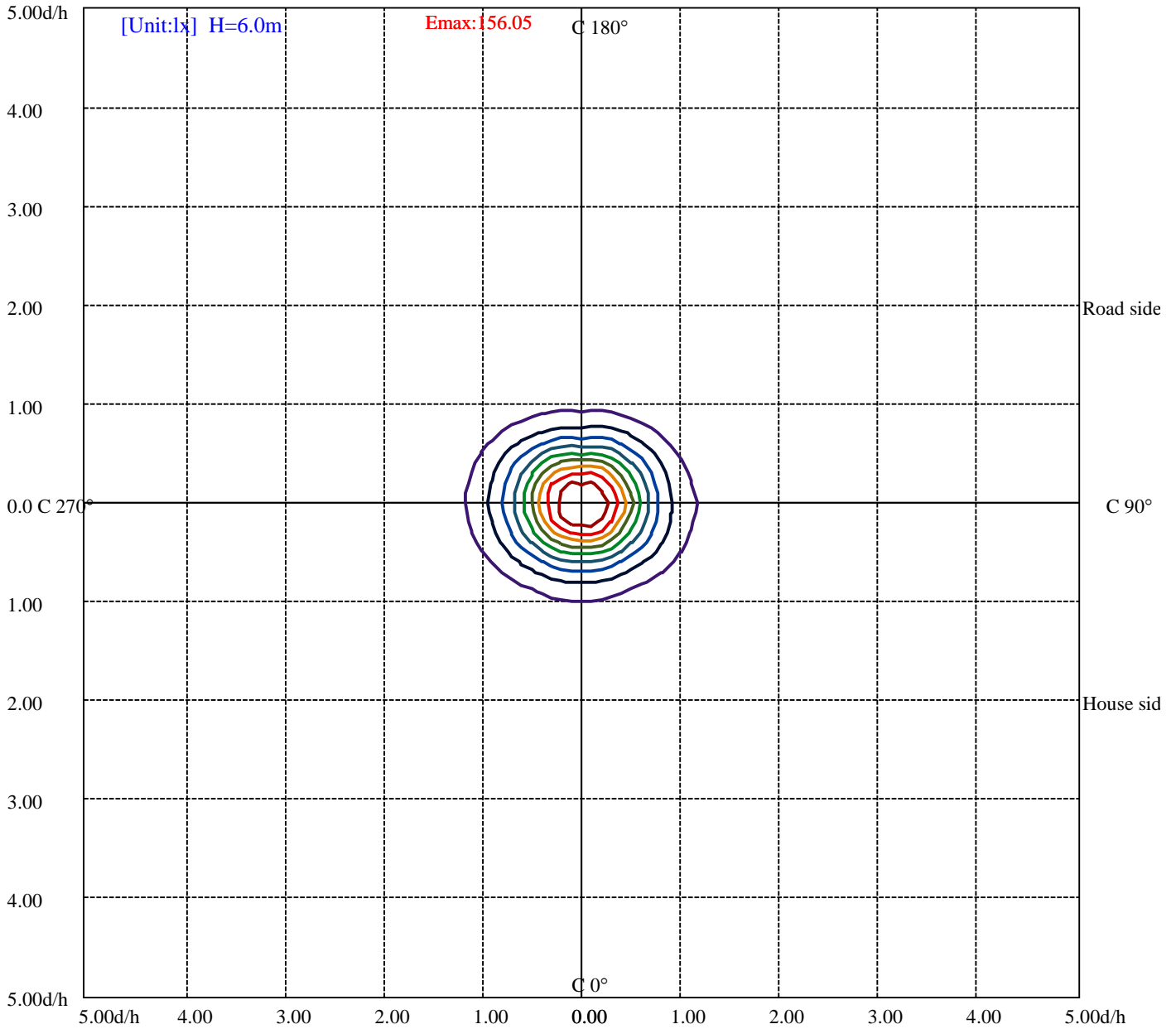
House

[Unit:cd]

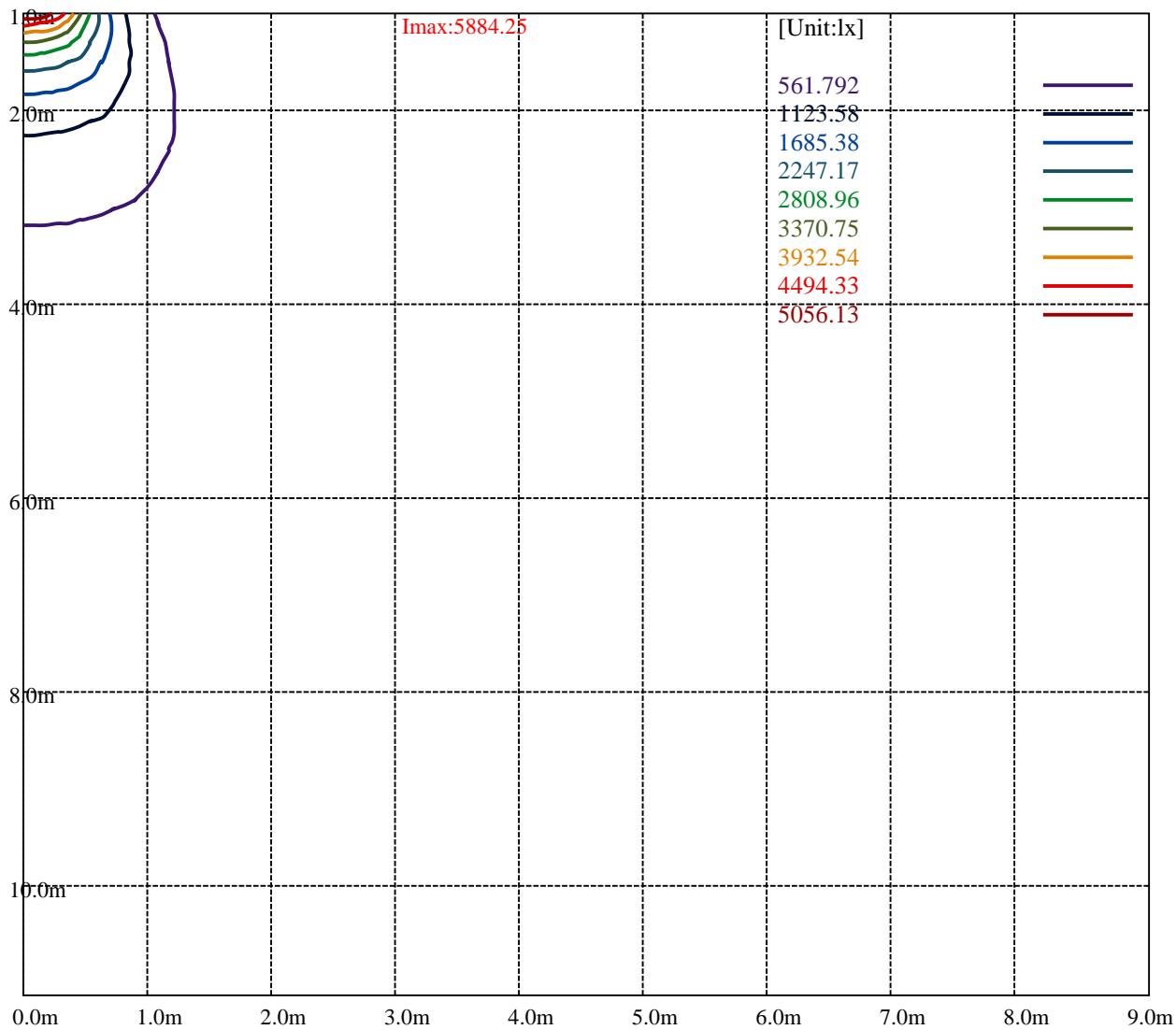
Road

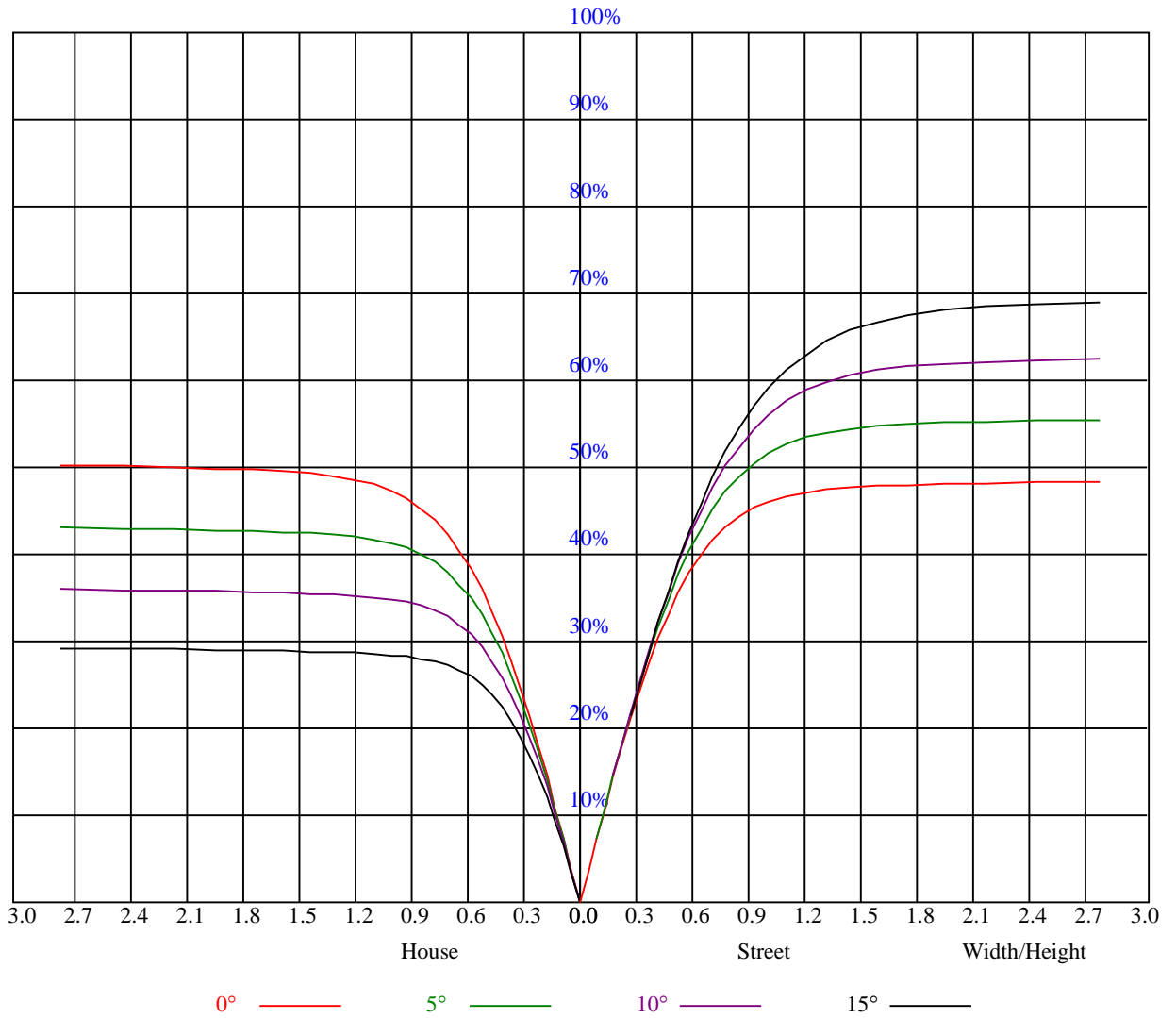
Imax:5884.25

(10% Imax) 588.425	—
(20% Imax) 1176.85	—
(30% Imax) 1765.27	—
(40% Imax) 2353.7	—
(50% Imax) 2942.12	—
(60% Imax) 3530.55	—
(70% Imax) 4118.97	—
(80% Imax) 4707.4	—
(90% Imax) 5295.82	—



(10%Emax) 15.60533	—
(20%Emax) 31.21055	—
(30%Emax) 46.81611	—
(40%Emax) 62.42139	—
(50%Emax) 78.02666	—
(60%Emax) 93.63194	—
(70%Emax) 109.2372	—
(80%Emax) 124.8425	—
(90%Emax) 140.4481	—





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	5617.92	5647.51	5563.40	4563.49	3024.83	1926.17	810.84	126.69	65.87
30.0	5617.92	5564.96	5250.35	4206.82	3002.87	1272.48	295.77	111.67	54.79
60.0	5617.92	5762.76	5144.44	3926.47	2428.15	557.43	149.68	93.29	44.00
90.0	5617.92	5365.60	4853.18	3211.57	1705.47	339.22	152.48	91.43	37.47
120.0	5617.92	5815.72	4924.83	4055.74	2278.63	816.13	160.42	103.57	50.68
150.0	5617.92	5533.81	5435.69	4283.14	3253.63	1626.03	439.99	126.31	65.98
180.0	5617.92	5455.94	5312.65	4364.13	3323.71	1970.24	822.36	147.18	81.77
210.0	5617.92	5697.35	5334.45	4180.34	3077.16	1513.74	482.05	126.55	66.86
240.0	5617.92	5884.25	5030.74	3929.58	2401.98	834.67	172.93	105.10	55.56
270.0	5617.92	5526.02	5088.37	3599.39	2266.64	847.28	165.24	101.72	43.86
300.0	5617.92	5868.67	5273.71	4063.53	2320.99	820.18	164.46	103.87	53.24
330.0	5617.92	5716.04	5376.50	4202.15	3098.81	1578.37	511.02	120.50	62.61
360.0	5617.92	5647.51	5563.40	4563.49	3024.83	1926.17	810.84	126.69	65.87

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