



Bell-Southcn Testing Lab ENERGYSTAR Recognized lab ID-1 1209 59,DLC,Lighting Facts Approved Lab
[Http://www.bell-southcn.com](http://www.bell-southcn.com) EUI 194/2012,EU874/2012,IEC62612,IEC62722-2-1,IEC62717 Accredited
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Sedna LED Ltd

LumCAT: SDHPL-0600-44W

Luminaire: LED Panel Light

Report No: BSR13101702-10

Test No: BSR13101702-10

LampCAT:

Lamp flux(lm)

Number of Lamps: 0

Length(mm): 0

Phm Type: C

Voltage(V): 230.050

Current(A): 0.194

Power (W): 42.639

PF: 0.957

Ballast type:

Width(mm): 0

Height(mm): 0

Photometric Results

Lumens(lm): 3666.70

Lumens(lm)/Power(W): 85.99

Central intensity(cd): 1280.632

Maximum intensity(cd): 1282.257

Angle of maximum intensity: C=90.0 γ =0.0

Beam Angle(50%Imax): [V]Left=56.5 Right=55.5

[H]Left=55.0 Right=57.1

Field angle(10%Imax): [V]Left=82.5 Right=80.9

[H]Left=79.9 Right=82.5

Maximum s/h: C0_180=1.26 C90_270=1.26

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 78.050%

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	1280.632	.000	.000	.000%	.000%
10.0	1255.490	121.044	121.044	3.301%	3.301%
20.0	1183.514	345.688	466.732	9.428%	12.729%
30.0	1072.541	522.124	988.856	14.240%	26.969%
40.0	928.613	628.561	1617.417	17.142%	44.111%
50.0	756.926	652.679	2270.096	17.800%	61.911%
60.0	562.268	591.765	2861.861	16.139%	78.050%
70.0	353.197	454.353	3316.214	12.391%	90.441%
80.0	152.314	267.393	3583.607	7.292%	97.734%
90.0	.000	83.092	3666.699	2.266%	100.000%
100.0	.000	.000	3666.699	.000%	100.000%
110.0	.000	.000	3666.699	.000%	100.000%
120.0	.000	.000	3666.699	.000%	100.000%
130.0	.000	.000	3666.699	.000%	100.000%
140.0	.000	.000	3666.699	.000%	100.000%
150.0	.000	.000	3666.699	.000%	100.000%
160.0	.000	.000	3666.699	.000%	100.000%
170.0	.000	.000	3666.699	.000%	100.000%
180.0	.000	.000	3666.699	.000%	100.000%

Zonal flux distribution table

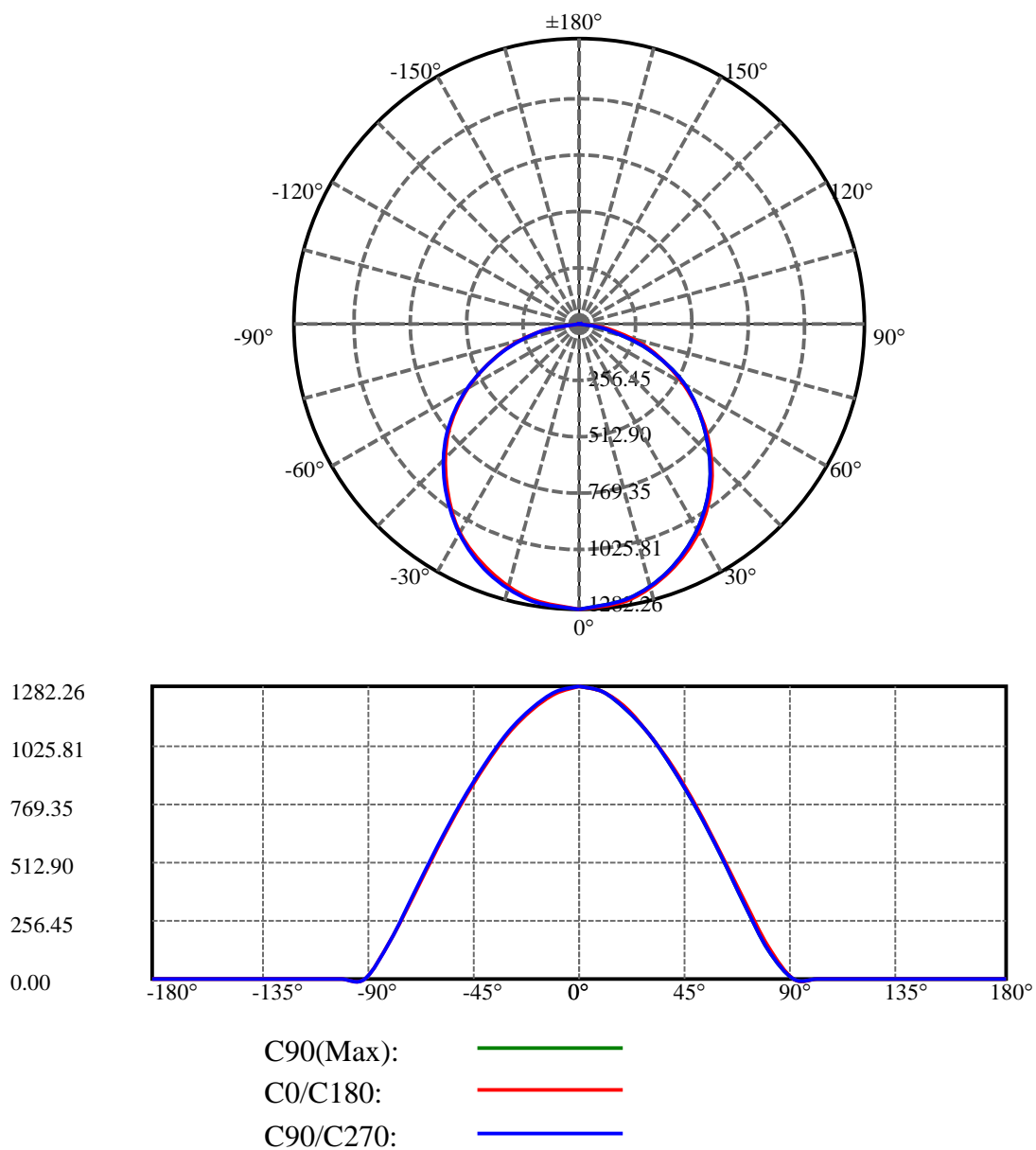
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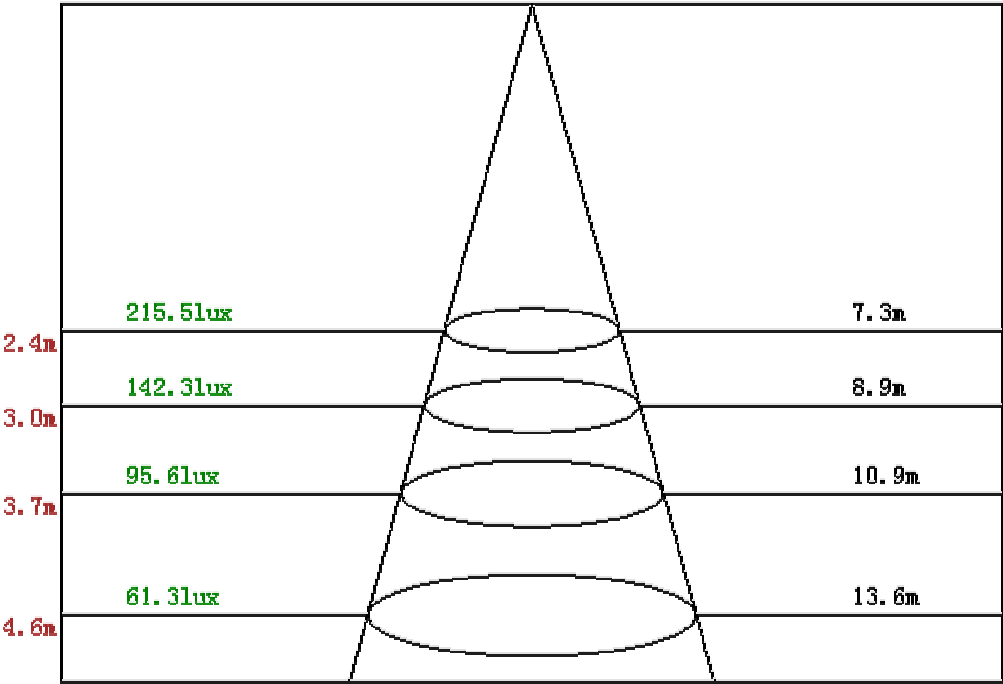
ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	988.86	26.97%
0-40	1617.42	44.11%
0-60	2861.86	78.05%
0-90	3666.70	100.00%
90-120	0.00	0.00%
90-130	0.00	0.00%
90-150	0.00	0.00%
90-180	0.00	0.00%
0-180	3666.70	100.00%

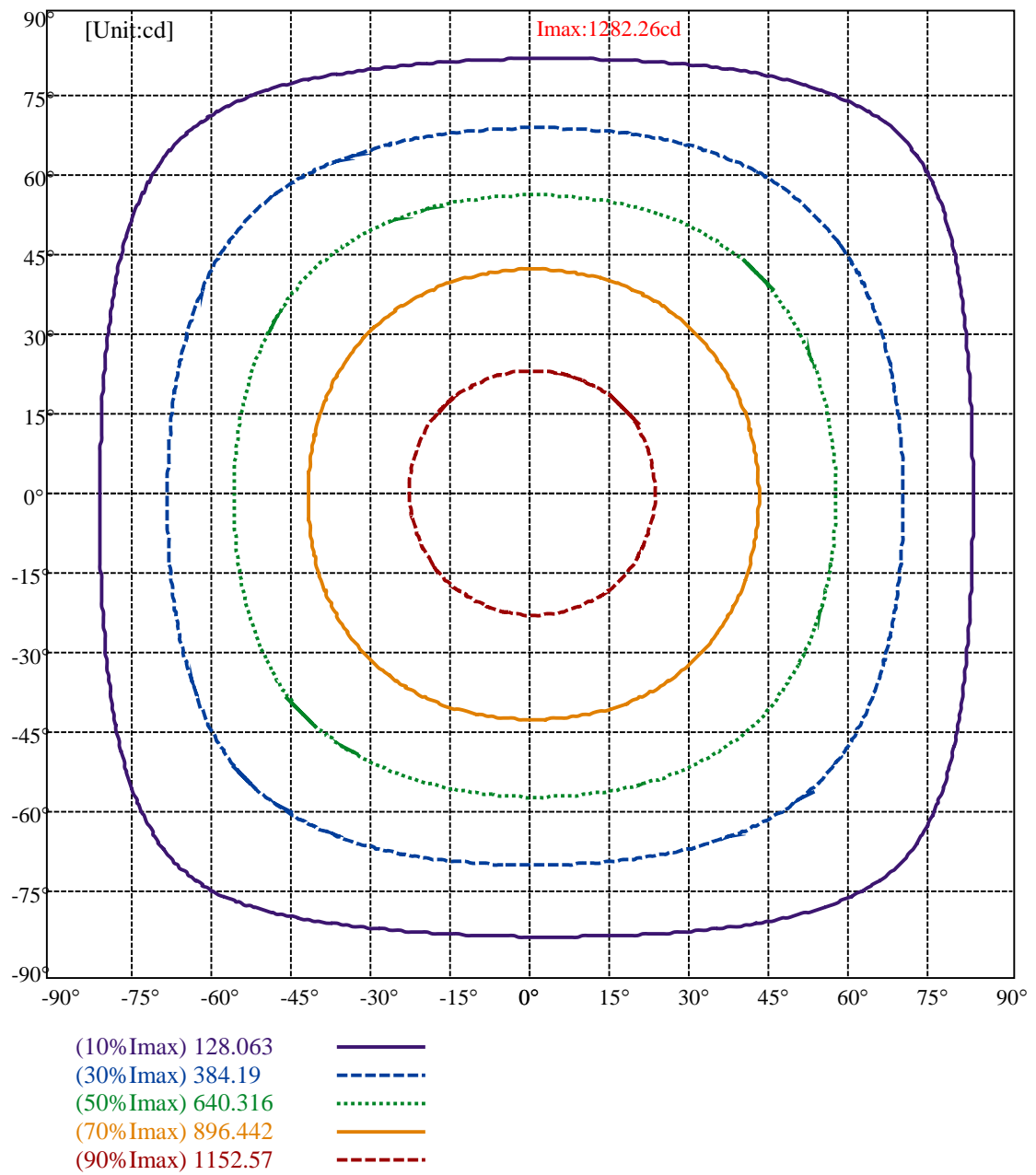
ZONAL LUMEN SUMMARY

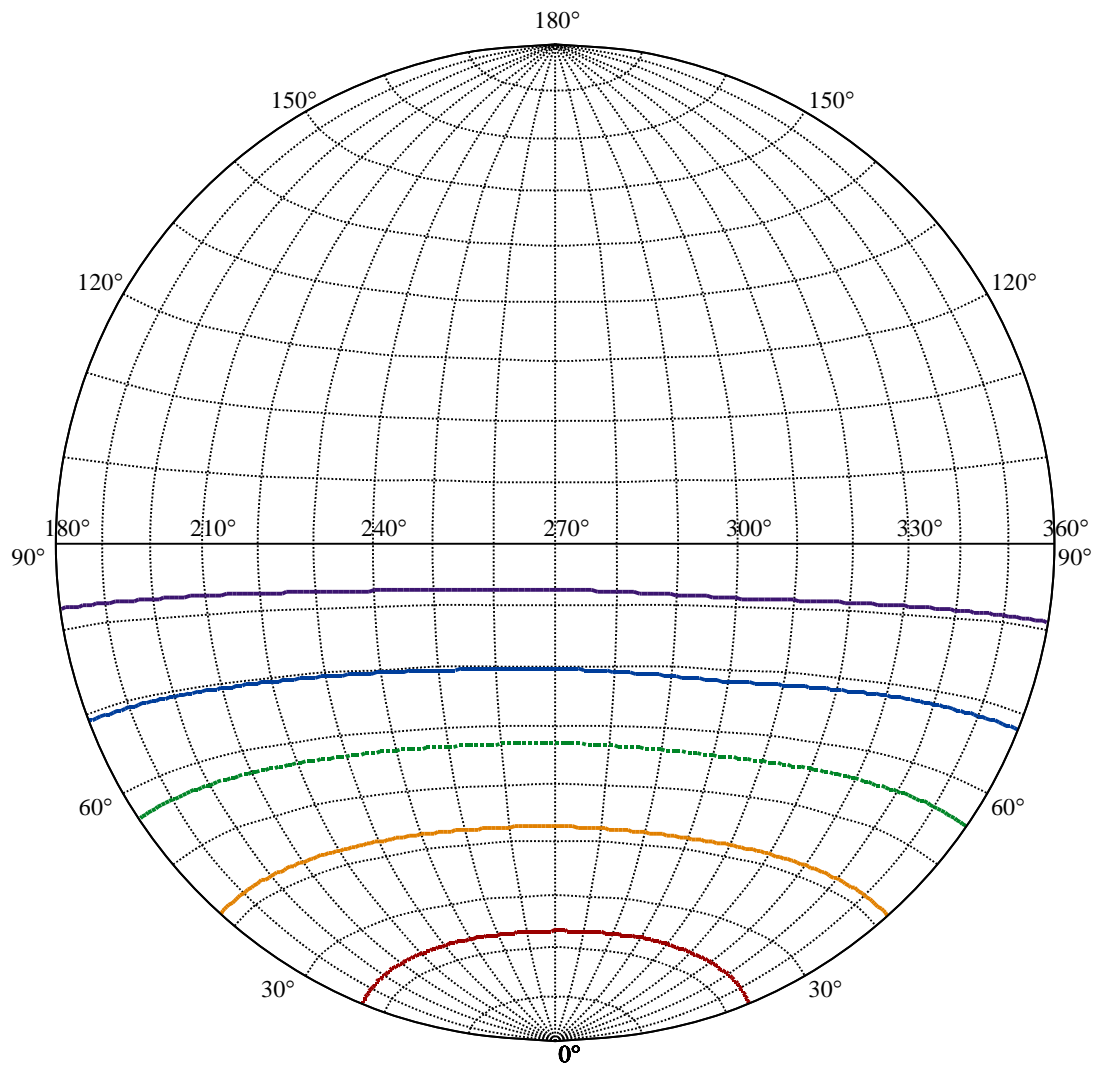
0-10	121.04
10-20	345.69
20-30	522.12
30-40	628.56
40-50	652.68
50-60	591.76
60-70	454.35
70-80	267.39
80-90	83.09
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Beam angle of C90plane112.17





Imax:1282.26cd

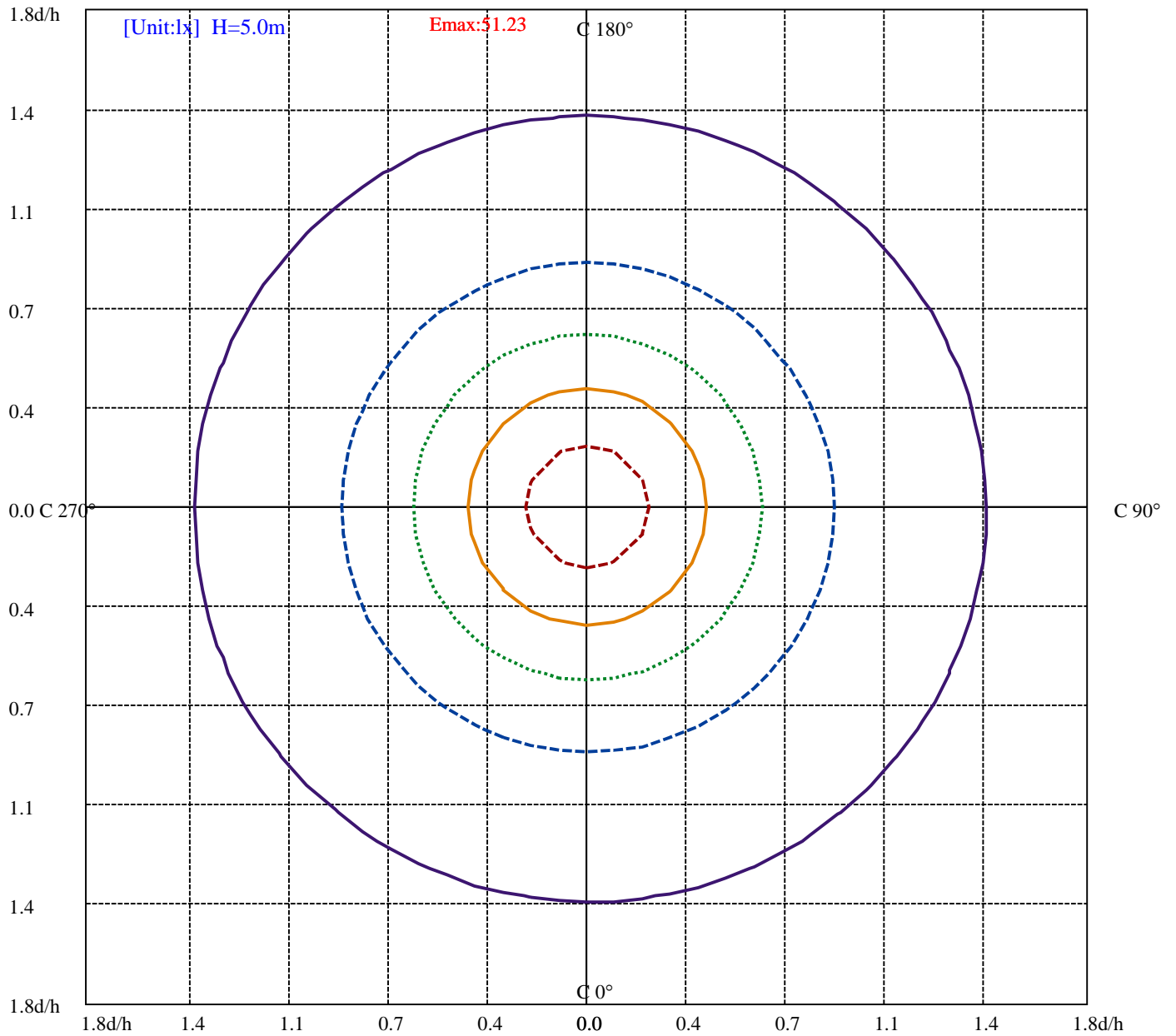
(10%Imax) 128.063

(30%Imax) 384.19

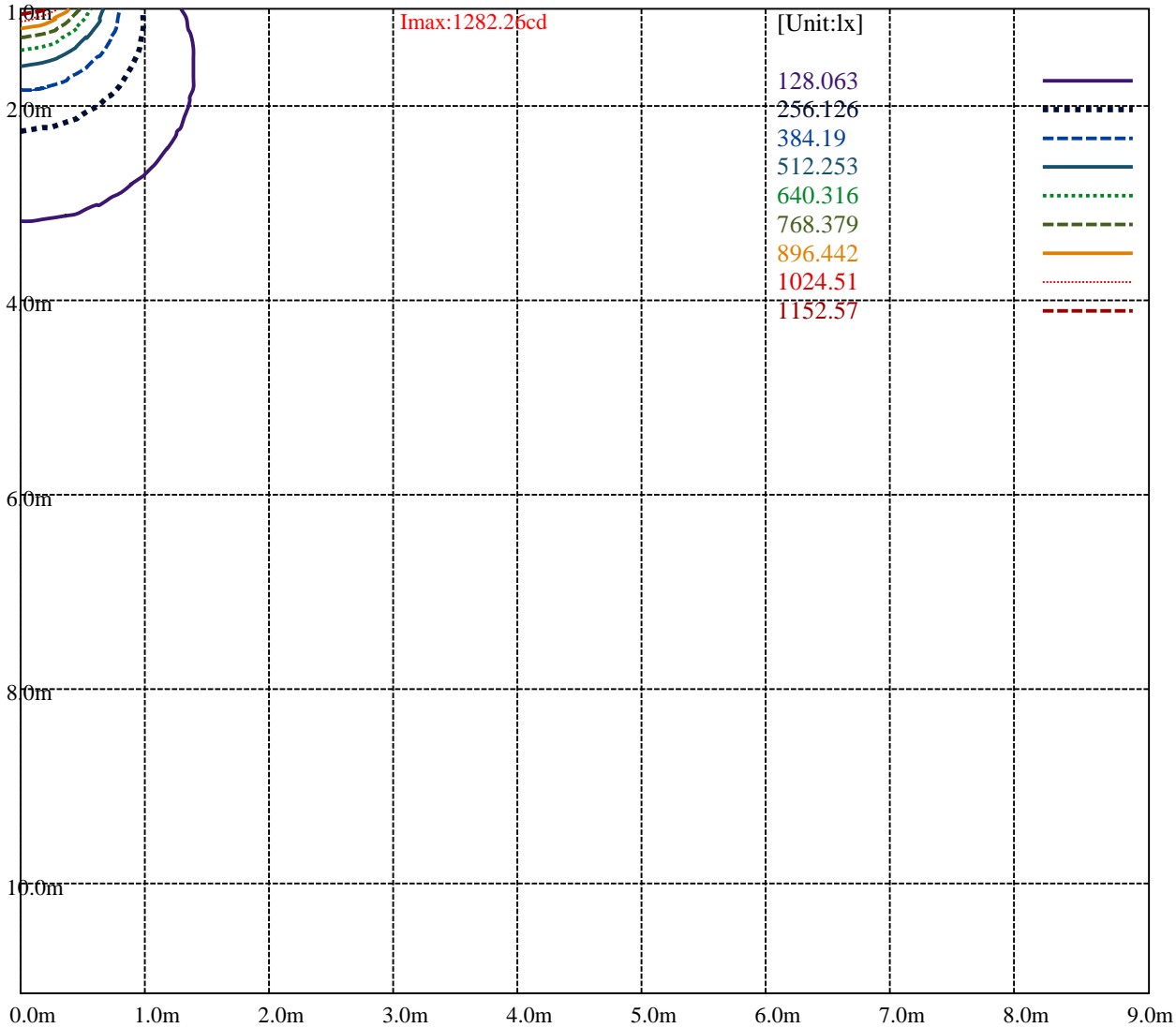
(50%Imax) 640.316

(70%Imax) 896.442

(90%Imax) 1152.57



	距离(m)				
		C0	C90	C180	C270
(10%Emax) 5.12252	—————	7.025	6.995	7.098	7.152
(30%Emax) 15.36756	- - - - -	4.385	4.367	4.398	4.434
(50%Emax) 25.61264	3.105	3.098	3.110	3.143
(70%Emax) 35.85768	—————	2.124	2.116	2.120	2.144
(90%Emax) 46.1028	- - - - -	1.101	1.095	1.083	1.108



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	1280.63	1256.81	1184.47	1070.61	926.38	750.15	550.41	342.93	140.65
30.0	1280.63	1256.21	1181.94	1069.86	921.02	742.86	547.28	334.00	132.91
60.0	1280.63	1256.81	1181.79	1068.82	919.24	741.22	545.05	330.72	129.34
90.0	1280.63	1255.61	1180.00	1066.74	916.71	738.25	542.37	327.89	125.92
120.0	1280.63	1251.45	1177.47	1062.57	926.08	750.90	566.49	358.70	158.20
150.0	1280.63	1251.45	1178.37	1066.29	930.55	756.40	562.62	365.85	160.76
180.0	1280.63	1251.89	1181.79	1071.95	929.95	764.59	572.29	366.00	170.15
210.0	1280.63	1255.02	1183.58	1076.86	935.91	771.29	578.39	371.06	174.16
240.0	1280.63	1256.81	1185.96	1079.54	938.59	776.65	578.69	374.93	171.69
270.0	1280.63	1257.40	1187.59	1082.51	942.01	773.07	584.79	375.67	170.91
300.0	1280.63	1258.15	1191.02	1079.69	929.06	761.76	562.32	342.48	148.10
330.0	1280.63	1258.29	1188.19	1075.07	927.87	755.96	556.51	348.14	144.97
360.0	1280.63	1256.81	1184.47	1070.61	926.38	750.15	550.41	342.93	140.65
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								