
LumCAT: 55024CDBZ	
Luminaire: 55024CDBZ	
Report No:	Voltage(V): 120.0700
Test No:	Current(A): 0.0910
LampCAT:	Power (W): 10.7860
Lamp flux(lm): -1.0	PF: 0.9898
Number of Lamps: 1	Ballast type:
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 539.27
Efficiency(%): 0.00%
Lumens(lm)/Power(W): 50.00
Central intensity(cd): 246.156
Maximum intensity(cd): 366.601
Angle of maximum intensity: $C=255.0$ $\gamma=3.0$
Beam Angle(50%Imax): [C0/180]Total=74.3
[C90/270]Total=71.1
Field angle(10%Imax): [C0/180]Total=115.9
[C90/270]Total=140.6
Maximum s/h(1/2): C0_180=0.94 C90_270=57.14
Maximum s/h(1/4): C0_180=0.97 C90_270=1.14
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 0.00%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 88.530%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
0.0	246.951	.000	.000	.000%	.000%	.000%
1.0	250.038	.238	.238	.000%	.000%	.044%
2.0	258.651	.730	.968	.000%	.000%	.179%
3.0	257.827	1.235	2.203	.000%	.000%	.409%
4.0	253.736	1.712	3.916	.000%	.000%	.726%
5.0	243.762	2.140	6.056	.000%	.000%	1.123%
6.0	232.623	2.504	8.559	.000%	.000%	1.587%
7.0	223.783	2.833	11.392	.000%	.000%	2.113%
8.0	223.137	3.199	14.591	.000%	.000%	2.706%
9.0	223.085	3.616	18.207	.000%	.000%	3.376%
10.0	223.959	4.046	22.253	.000%	.000%	4.126%
11.0	227.867	4.515	26.767	.000%	.000%	4.964%
12.0	230.184	5.007	31.774	.000%	.000%	5.892%
13.0	233.372	5.501	37.276	.000%	.000%	6.912%
14.0	236.093	6.009	43.285	.000%	.000%	8.027%
15.0	237.412	6.500	49.785	.000%	.000%	9.232%
16.0	238.230	6.969	56.755	.000%	.000%	10.524%
17.0	239.064	7.433	64.188	.000%	.000%	11.903%
18.0	238.717	7.878	72.065	.000%	.000%	13.363%
19.0	237.317	8.282	80.347	.000%	.000%	14.899%
20.0	235.383	8.652	88.999	.000%	.000%	16.504%
21.0	233.443	9.002	98.001	.000%	.000%	18.173%
22.0	232.325	9.360	107.361	.000%	.000%	19.909%
23.0	220.388	9.499	116.860	.000%	.000%	21.670%
24.0	215.633	9.533	126.393	.000%	.000%	23.438%
25.0	212.854	9.743	136.136	.000%	.000%	25.244%
26.0	209.192	9.962	146.098	.000%	.000%	27.092%
27.0	204.537	10.122	156.220	.000%	.000%	28.969%
28.0	198.545	10.205	166.426	.000%	.000%	30.861%
29.0	198.212	10.380	176.806	.000%	.000%	32.786%
30.0	195.689	10.635	187.441	.000%	.000%	34.758%
31.0	200.666	11.030	198.471	.000%	.000%	36.804%
32.0	202.322	11.545	210.016	.000%	.000%	38.944%
33.0	197.931	11.792	221.808	.000%	.000%	41.131%
34.0	196.457	11.935	233.743	.000%	.000%	43.344%
35.0	190.382	12.014	245.757	.000%	.000%	45.572%
36.0	187.408	12.029	257.786	.000%	.000%	47.803%
37.0	184.040	12.115	269.901	.000%	.000%	50.049%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
38.0	174.261	11.960	281.860	.000%	.000%	52.267%
39.0	172.670	11.842	293.702	.000%	.000%	54.463%
40.0	161.257	11.646	305.348	.000%	.000%	56.622%
41.0	153.393	11.205	316.553	.000%	.000%	58.700%
42.0	147.059	10.916	327.469	.000%	.000%	60.724%
43.0	138.282	10.570	338.038	.000%	.000%	62.684%
44.0	131.163	10.170	348.208	.000%	.000%	64.570%
45.0	128.925	9.995	358.204	.000%	.000%	66.424%
46.0	124.486	9.910	368.114	.000%	.000%	68.261%
47.0	115.935	9.562	377.676	.000%	.000%	70.034%
48.0	113.487	9.274	386.950	.000%	.000%	71.754%
49.0	109.188	9.144	396.095	.000%	.000%	73.450%
50.0	101.832	8.798	404.893	.000%	.000%	75.081%
51.0	96.614	8.396	413.289	.000%	.000%	76.638%
52.0	92.160	8.100	421.389	.000%	.000%	78.140%
53.0	88.974	7.879	429.269	.000%	.000%	79.601%
54.0	84.078	7.627	436.896	.000%	.000%	81.016%
55.0	79.602	7.306	444.202	.000%	.000%	82.371%
56.0	76.964	7.075	451.277	.000%	.000%	83.683%
57.0	75.717	6.981	458.258	.000%	.000%	84.977%
58.0	71.673	6.816	465.074	.000%	.000%	86.241%
59.0	65.482	6.412	471.486	.000%	.000%	87.430%
60.0	60.123	5.934	477.420	.000%	.000%	88.530%
61.0	56.125	5.548	482.968	.000%	.000%	89.559%
62.0	53.636	5.289	488.257	.000%	.000%	90.540%
63.0	51.896	5.133	493.389	.000%	.000%	91.492%
64.0	49.572	4.979	498.368	.000%	.000%	92.415%
65.0	44.482	4.655	503.023	.000%	.000%	93.278%
66.0	41.032	4.267	507.289	.000%	.000%	94.069%
67.0	37.327	3.940	511.229	.000%	.000%	94.800%
68.0	33.378	3.582	514.811	.000%	.000%	95.464%
69.0	30.021	3.234	518.045	.000%	.000%	96.064%
70.0	27.133	2.935	520.981	.000%	.000%	96.608%
71.0	23.953	2.640	523.621	.000%	.000%	97.098%
72.0	19.901	2.280	525.901	.000%	.000%	97.521%
73.0	16.979	1.929	527.830	.000%	.000%	97.878%
74.0	14.582	1.659	529.489	.000%	.000%	98.186%
75.0	11.809	1.394	530.884	.000%	.000%	98.445%

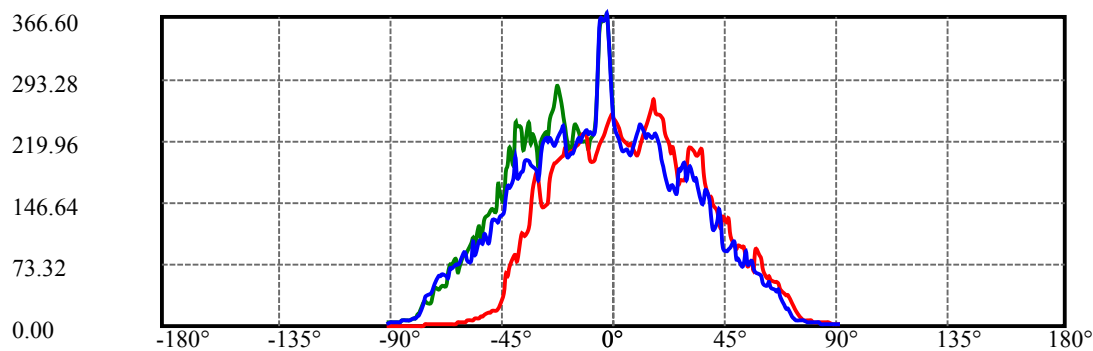
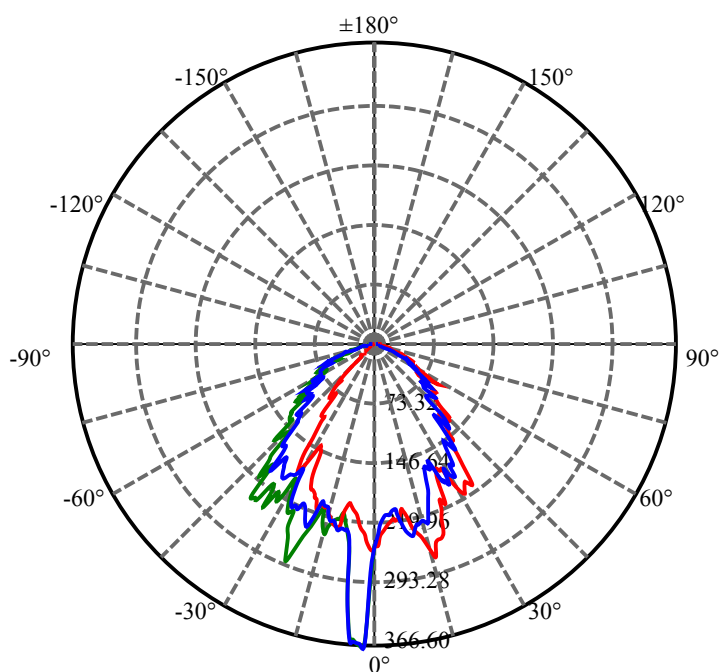
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
76.0	10.105	1.163	532.047	.000%	.000%	98.660%
77.0	7.950	.963	533.009	.000%	.000%	98.839%
78.0	6.753	.787	533.796	.000%	.000%	98.985%
79.0	5.990	.685	534.481	.000%	.000%	99.112%
80.0	5.439	.616	535.097	.000%	.000%	99.226%
81.0	5.036	.566	535.664	.000%	.000%	99.331%
82.0	4.687	.527	536.191	.000%	.000%	99.429%
83.0	4.285	.488	536.679	.000%	.000%	99.519%
84.0	3.969	.450	537.128	.000%	.000%	99.603%
85.0	3.708	.419	537.547	.000%	.000%	99.680%
86.0	3.441	.391	537.938	.000%	.000%	99.753%
87.0	3.221	.365	538.303	.000%	.000%	99.820%
88.0	3.046	.343	538.646	.000%	.000%	99.884%
89.0	2.839	.323	538.968	.000%	.000%	99.944%
90.0	2.697	.304	539.272	.000%	.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	187.44	N.A.	34.76%
0-40	305.35	N.A.	56.62%
0-60	477.42	N.A.	88.53%
0-90	538.97	N.A.	99.94%
0-120	538.97	N.A.	99.94%
0-180	539.27	N.A.	100.00%
60-90	67.48	N.A.	12.51%
90-120	0.00	N.A.	0.00%
90-130	0.00	N.A.	0.00%
90-150	0.00	N.A.	0.00%
90-180	0.00	N.A.	0.00%
0-53.28	431.42	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	22.25
10-20	66.75
20-30	98.44
30-40	117.91
40-50	99.54
50-60	72.53
60-70	43.56
70-80	14.12
80-90	3.87
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



C255(Max): ————

C0/C180: ————

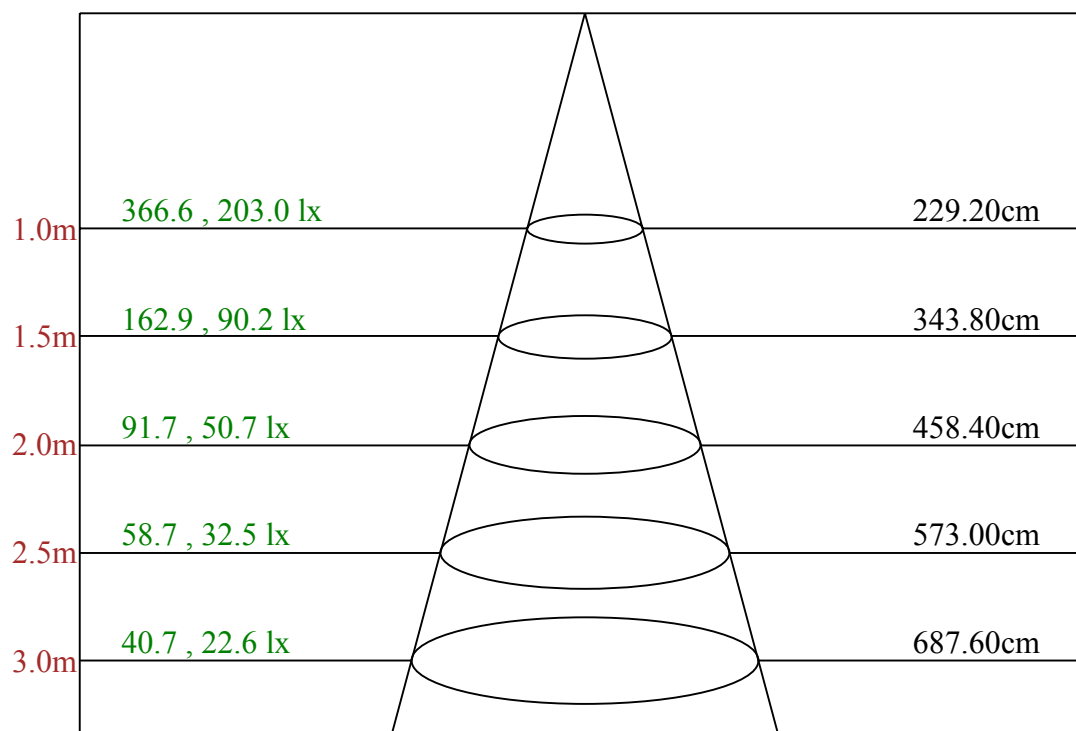
C90/C270: ————

Field angle(10%Imax):C0/180Left:60.8 Right:55.1

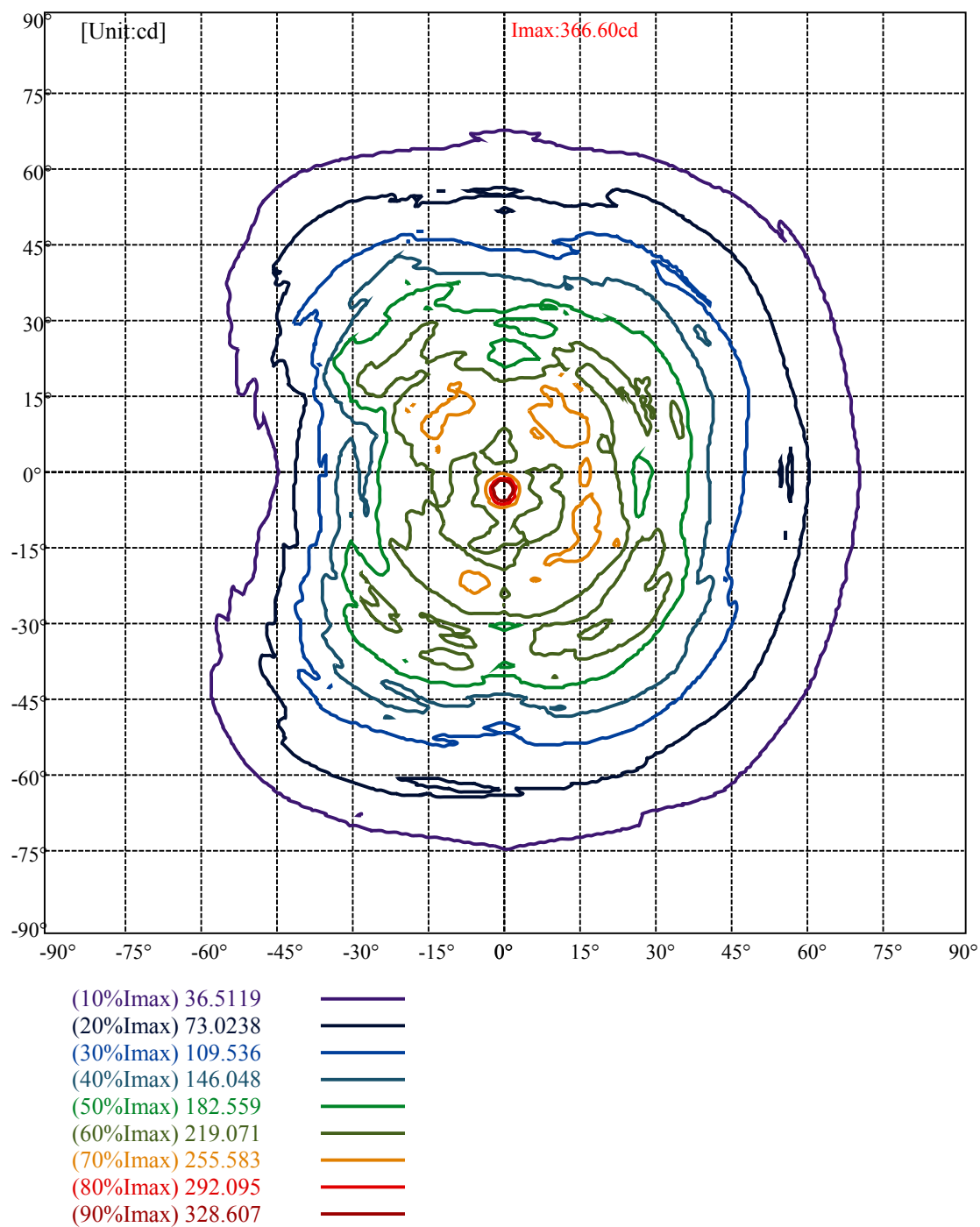
:C90/270Left:71.8 Right:68.8

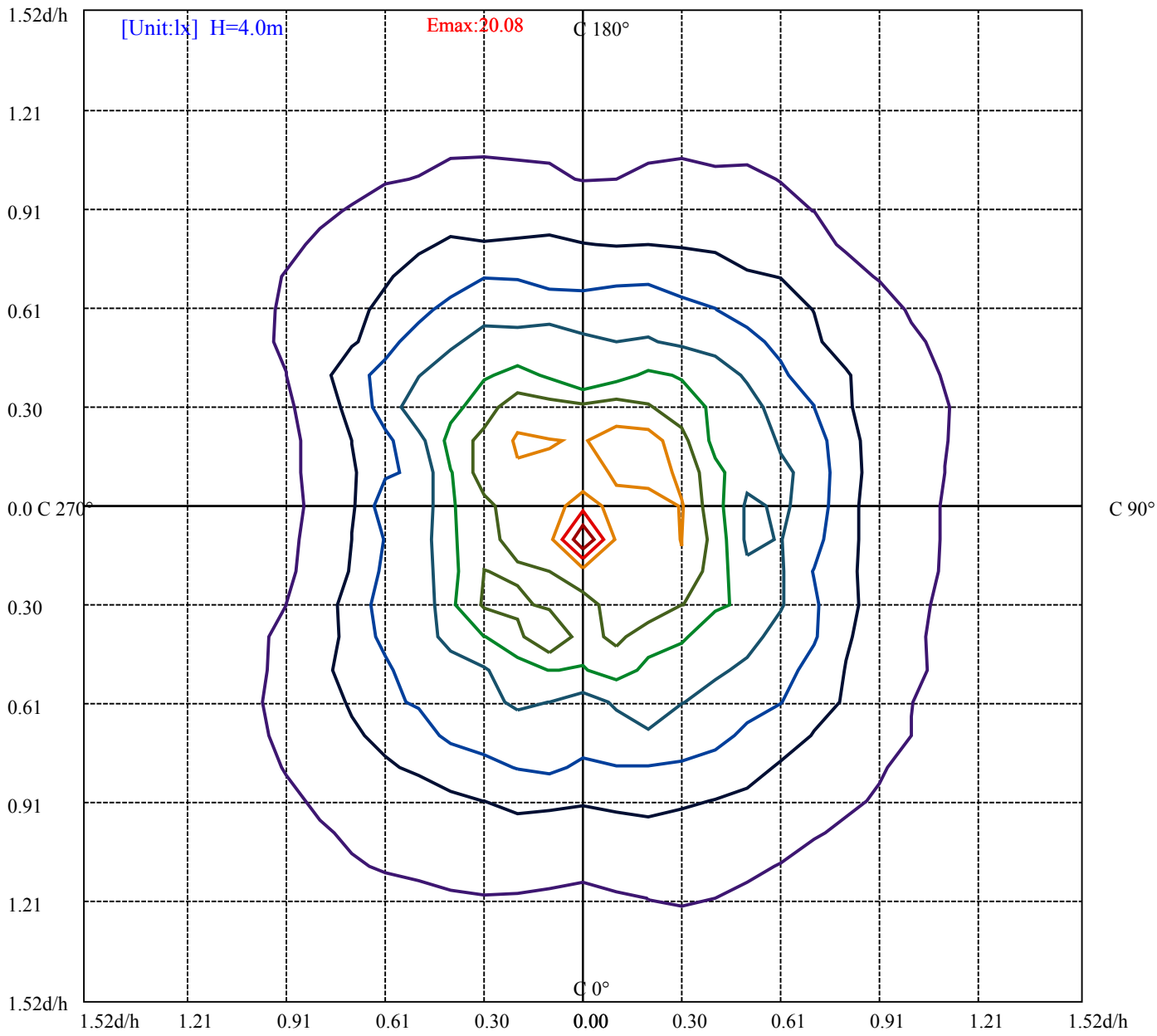
Beam Angle(50%Imax):C0/180Left:49.1 Right:25.2

:C90/270Left:37.7 Right:33.4

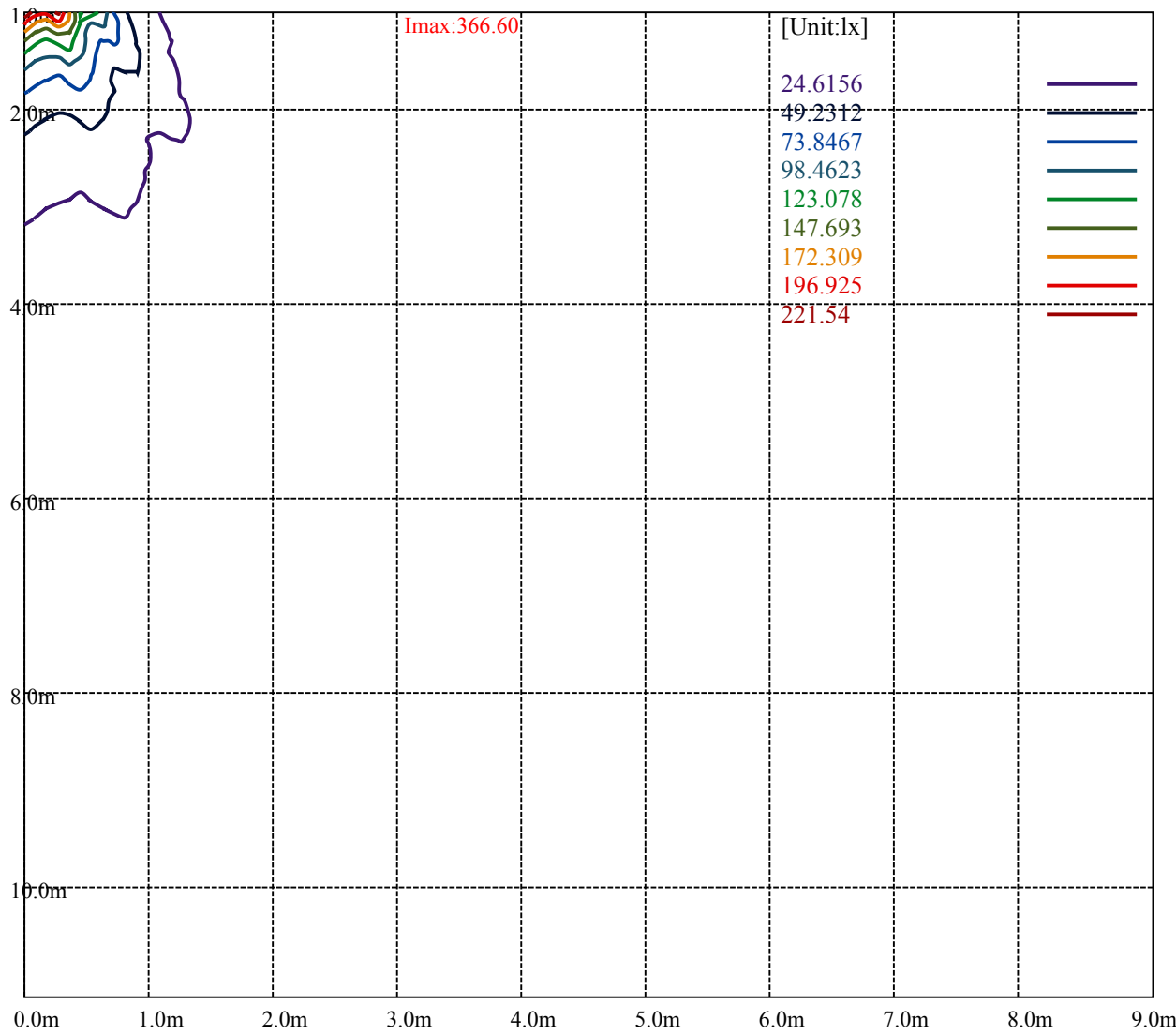


Max , Ave Beam angle of C255plane96.37





(10%Emax)	2.007688	
(20%Emax)	4.015375	
(30%Emax)	6.023056	
(40%Emax)	8.03075	
(50%Emax)	10.03844	
(60%Emax)	12.04613	
(70%Emax)	14.05381	
(80%Emax)	16.0615	
(90%Emax)	18.06919	



Intensity data(cd)

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C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	246.16	244.65	233.44	226.56	220.43	217.31	214.29	216.03	212.38
15.0	241.73	236.78	229.93	234.65	228.62	229.60	227.71	227.86	232.95
30.0	246.99	237.26	228.17	232.27	228.43	227.24	230.18	227.78	238.12
45.0	243.82	232.47	220.67	220.41	223.69	225.87	225.37	227.12	238.32
60.0	246.80	234.45	221.56	210.35	215.38	226.26	227.78	229.21	251.50
75.0	245.88	230.98	219.67	215.05	202.63	215.69	225.56	227.90	229.83
90.0	246.97	231.37	219.94	210.84	208.26	208.75	204.01	202.12	208.77
105.0	255.61	229.13	214.00	205.10	204.89	205.03	212.51	219.75	229.75
120.0	248.24	233.38	214.97	211.73	209.16	213.12	219.77	225.46	232.62
135.0	242.24	231.33	221.23	213.51	213.96	218.87	217.10	224.63	228.14
150.0	248.67	237.24	228.51	223.47	230.24	224.37	223.47	216.43	223.88
165.0	247.81	244.75	228.12	225.17	228.53	223.92	220.57	211.19	212.92
180.0	251.13	250.15	239.90	232.19	225.33	217.00	209.34	202.96	196.95
195.0	241.73	250.49	245.04	238.20	234.67	229.64	221.37	204.62	200.38
210.0	246.99	261.87	260.10	256.10	253.02	229.29	217.04	205.12	203.72
225.0	243.82	269.66	288.05	291.52	281.22	255.98	239.10	225.27	224.90
240.0	246.80	277.92	344.21	362.02	357.77	290.70	254.44	240.54	217.33
255.0	245.88	286.43	361.02	366.60	361.57	355.58	306.24	253.27	230.85
270.0	246.97	277.05	365.12	363.75	363.07	360.95	311.88	245.16	228.51
285.0	255.61	275.94	351.97	361.74	363.05	335.30	280.28	243.82	228.90
300.0	248.24	265.62	313.69	330.37	307.28	252.53	233.32	236.17	224.65
315.0	242.24	261.13	273.69	270.53	260.06	240.03	228.27	231.49	227.78
330.0	248.67	252.44	247.62	250.23	239.70	224.18	215.62	211.95	216.08
345.0	247.81	248.40	236.99	235.47	228.70	223.07	217.72	214.93	216.04
360.0	246.16	244.65	233.44	226.56	220.43	217.31	214.29	216.03	212.38
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	202.65	205.20	214.00	230.07	237.24	243.21	258.72	268.80	253.27
15.0	234.03	234.38	240.87	245.12	245.30	247.93	247.46	248.40	246.64
30.0	237.18	243.93	250.27	258.03	266.44	271.24	269.95	272.97	275.14
45.0	254.78	261.97	247.29	263.57	276.89	273.56	271.86	270.07	263.18
60.0	251.28	255.97	254.60	254.00	263.03	265.09	257.06	243.74	256.41
75.0	234.69	233.38	239.93	240.54	248.20	238.53	235.96	226.50	226.38
90.0	225.31	232.37	238.65	230.63	224.08	226.61	222.71	225.29	227.34
105.0	225.76	218.81	226.17	236.91	232.60	238.24	230.16	221.78	235.45
120.0	232.87	235.16	253.41	245.61	246.04	259.26	274.84	269.54	261.27
135.0	229.83	235.43	247.31	255.15	249.82	249.74	250.97	258.27	265.31
150.0	235.57	235.41	228.27	233.38	235.96	253.86	258.07	264.14	258.44
165.0	216.36	218.97	226.73	236.15	257.10	257.72	247.48	240.87	248.11
180.0	195.72	208.48	225.23	227.67	223.22	217.18	212.50	206.33	206.92
195.0	197.15	211.72	226.95	228.29	225.66	232.72	207.02	211.25	208.28
210.0	205.73	207.13	210.37	215.28	218.85	217.02	218.44	241.77	226.65
225.0	219.73	211.72	210.14	208.85	212.69	209.71	212.75	211.05	218.72
240.0	209.04	209.80	207.66	201.46	204.93	211.81	214.37	214.66	219.59
255.0	220.92	209.39	217.51	218.29	221.00	229.25	238.61	224.96	206.94
270.0	229.91	228.72	231.90	226.36	219.59	222.19	212.16	205.45	204.01
285.0	220.12	215.17	214.64	216.18	224.70	218.07	219.38	225.58	235.45
300.0	218.95	212.03	211.17	206.61	210.29	211.09	221.78	226.83	230.32
315.0	223.26	216.81	211.75	210.94	214.66	210.33	212.73	229.85	236.76
330.0	214.97	212.24	210.95	212.36	213.29	223.71	247.70	263.75	271.22
345.0	218.23	220.84	223.05	222.97	229.35	238.16	255.22	245.69	255.73
360.0	202.65	205.20	214.00	230.07	237.24	243.21	258.72	268.80	253.27

Intensity data(cd)

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	250.08	249.12	244.48	227.24	216.10	205.12	211.89	183.92	167.97
15.0	244.95	210.37	209.41	213.72	224.65	201.55	193.83	190.59	201.44
30.0	265.54	258.99	239.56	230.85	237.20	236.85	197.42	213.94	209.84
45.0	244.97	249.71	249.41	248.52	258.13	223.81	209.59	196.35	210.35
60.0	274.04	256.26	225.00	249.28	258.64	216.14	227.36	242.74	230.32
75.0	239.08	222.05	202.59	191.96	201.53	172.44	185.17	190.85	207.23
90.0	214.97	197.44	188.00	178.21	161.91	165.20	166.28	156.37	184.20
105.0	230.07	236.62	235.29	215.46	203.02	196.76	217.18	217.29	201.57
120.0	252.44	262.03	257.00	225.97	230.65	230.30	223.53	231.65	210.58
135.0	250.41	243.50	248.85	256.16	253.45	226.69	216.06	212.24	225.43
150.0	263.86	252.10	240.56	248.22	259.01	253.64	245.67	208.46	196.27
165.0	233.13	210.97	219.63	207.50	204.40	197.36	174.70	169.75	141.90
180.0	202.59	212.89	201.67	199.74	196.25	192.62	191.86	175.05	147.63
195.0	205.14	209.65	208.61	205.79	200.27	195.41	189.03	183.96	182.11
210.0	221.60	227.22	232.37	231.43	205.05	203.91	201.98	219.20	222.48
225.0	219.96	226.61	237.05	251.91	258.25	253.96	236.83	233.23	223.26
240.0	223.61	232.74	241.14	251.09	227.04	239.53	240.89	242.00	238.94
255.0	219.67	234.94	249.24	265.03	285.76	275.51	259.16	246.00	226.11
270.0	200.70	219.32	236.21	232.80	222.95	216.88	213.28	222.11	218.52
285.0	242.29	250.11	253.41	249.20	263.14	246.90	249.55	246.80	248.40
300.0	249.47	259.73	256.90	247.35	236.13	226.42	222.17	236.48	247.21
315.0	241.94	244.24	260.76	272.97	274.10	247.87	245.57	234.28	223.98
330.0	283.87	281.22	267.02	253.49	256.24	247.68	236.35	250.27	265.62
345.0	254.81	247.76	245.02	248.75	241.92	216.75	219.83	204.97	189.25
360.0	250.08	249.12	244.48	227.24	216.10	205.12	211.89	183.92	167.97
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	172.83	171.97	183.07	206.14	211.99	208.22	201.55	201.89	209.36
15.0	201.93	211.42	226.30	212.07	220.57	205.96	200.29	209.02	242.02
30.0	221.76	210.92	250.52	211.29	227.78	218.35	225.52	198.96	192.74
45.0	226.56	224.84	224.00	212.59	200.81	181.90	208.54	193.75	199.55
60.0	217.35	225.52	217.64	192.00	184.08	194.63	190.48	186.32	168.24
75.0	181.41	168.42	156.02	178.39	189.83	211.70	172.01	190.71	176.63
90.0	185.09	193.99	173.28	183.77	189.01	172.28	175.09	164.50	146.17
105.0	208.09	193.21	203.76	198.16	186.75	190.15	167.54	180.71	162.80
120.0	216.86	211.46	213.49	221.84	224.49	235.39	198.22	206.10	184.24
135.0	227.39	225.33	237.75	229.09	222.79	197.93	195.88	212.12	204.05
150.0	196.78	224.98	226.73	234.30	234.98	227.02	241.42	208.15	205.55
165.0	143.85	132.19	125.98	134.84	134.94	126.12	123.14	111.40	112.82
180.0	143.87	141.41	153.60	172.77	182.11	160.99	137.22	115.30	107.75
195.0	156.50	140.30	151.79	153.46	141.51	163.21	162.51	127.11	132.48
210.0	205.32	184.78	158.03	157.15	161.19	184.69	216.03	217.06	197.32
225.0	216.82	206.51	199.39	206.18	202.20	199.64	199.41	234.01	218.99
240.0	216.47	212.63	199.37	187.30	212.67	227.63	196.50	201.28	215.09
255.0	230.59	223.73	213.82	189.87	212.51	226.61	215.40	240.34	217.08
270.0	222.73	214.45	193.34	174.06	184.12	187.92	190.69	196.27	196.52
285.0	255.19	239.15	215.09	189.19	224.88	232.04	227.73	230.32	234.38
300.0	237.20	219.44	201.75	206.06	202.74	216.79	234.34	223.81	211.68
315.0	219.46	207.91	198.06	213.12	228.33	226.26	220.65	225.07	221.52
330.0	232.00	204.09	216.57	235.61	232.68	246.25	247.09	237.28	214.21
345.0	172.83	176.44	217.74	197.32	203.02	214.06	203.11	203.49	197.99
360.0	172.83	171.97	183.07	206.14	211.99	208.22	201.55	201.89	209.36

Intensity data(cd)

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C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	183.05	165.28	152.80	151.57	143.30	136.44	123.41	117.23	129.51
15.0	223.51	183.52	176.73	156.10	149.99	156.47	150.17	143.75	129.20
30.0	197.79	217.60	171.89	159.84	150.91	157.95	167.06	125.79	127.66
45.0	183.65	178.39	180.86	175.81	178.99	162.67	178.74	164.95	131.78
60.0	183.30	173.22	164.27	175.11	148.12	144.65	147.98	131.72	145.35
75.0	168.65	155.02	128.44	139.44	142.76	133.39	117.54	107.24	105.35
90.0	147.98	161.73	151.28	128.27	113.29	122.92	137.84	121.83	92.85
105.0	177.27	179.42	184.26	159.04	144.28	118.40	124.09	115.22	131.74
120.0	202.22	191.74	209.43	173.57	175.11	184.86	173.39	152.86	162.69
135.0	180.45	175.07	169.26	181.17	165.40	154.13	133.82	155.94	148.76
150.0	196.80	191.80	195.61	187.61	140.14	121.79	143.89	119.92	107.55
165.0	117.75	111.73	91.52	93.84	94.10	62.84	58.39	64.04	64.90
180.0	108.84	106.19	76.97	84.09	81.81	69.47	60.22	61.47	38.69
195.0	122.90	109.19	107.48	98.95	98.90	91.86	68.55	68.86	67.83
210.0	191.82	190.77	148.90	152.47	166.00	157.48	147.34	138.58	141.35
225.0	223.57	248.52	197.69	219.73	207.89	204.15	196.74	178.11	152.18
240.0	214.97	206.96	210.23	218.93	201.26	180.82	184.06	188.23	179.58
255.0	209.69	235.45	235.74	238.20	191.30	212.07	192.02	181.06	147.96
270.0	184.86	182.91	175.48	199.27	175.07	164.09	166.47	153.33	134.02
285.0	243.19	205.98	204.09	206.82	205.84	223.69	185.91	190.48	159.82
300.0	215.48	227.90	233.03	233.48	211.81	194.94	196.76	188.70	180.84
315.0	229.54	218.38	226.22	241.57	233.46	192.17	189.70	175.79	177.96
330.0	212.92	226.17	224.02	211.05	187.90	185.11	168.77	158.24	172.18
345.0	177.57	174.02	166.06	158.14	162.55	149.09	116.56	115.43	118.16
360.0	183.05	165.28	152.80	151.57	143.30	136.44	123.41	117.23	129.51
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	122.32	128.15	107.91	95.93	90.41	95.72	93.28	94.45	79.16
15.0	130.80	127.11	129.22	118.57	118.03	105.86	92.99	99.58	100.18
30.0	146.32	153.38	135.40	125.67	107.30	109.15	97.65	96.09	89.05
45.0	129.42	117.09	109.31	103.85	103.38	115.94	89.96	80.25	95.89
60.0	132.83	130.94	123.27	134.55	117.01	109.76	95.25	101.06	106.72
75.0	92.25	116.31	99.99	100.20	98.80	91.99	86.59	98.74	71.07
90.0	88.03	91.66	93.34	99.09	80.35	79.65	70.85	74.60	88.83
105.0	118.14	112.08	105.96	91.74	105.43	109.91	90.29	85.28	79.69
120.0	152.76	147.92	128.32	114.91	116.35	102.87	96.77	86.06	92.19
135.0	132.44	127.33	126.88	133.55	116.14	108.18	109.47	89.65	86.47
150.0	100.69	104.98	98.35	110.87	114.20	87.39	83.59	80.76	72.57
165.0	66.11	56.61	52.01	45.26	60.92	40.12	34.50	37.85	46.32
180.0	24.03	21.18	18.39	18.33	16.60	15.39	13.73	11.86	10.30
195.0	74.79	57.90	47.78	48.99	44.76	40.14	36.45	29.94	26.58
210.0	125.57	118.09	133.22	104.75	104.22	100.01	90.72	84.76	95.58
225.0	170.45	183.24	150.89	144.18	155.24	136.01	147.20	107.20	127.50
240.0	167.09	129.47	146.71	164.89	161.28	142.05	137.20	152.76	119.33
255.0	156.72	167.72	136.98	138.74	135.66	131.21	128.23	113.48	103.44
270.0	130.70	122.04	126.30	125.01	109.19	97.82	108.37	99.03	100.30
285.0	182.75	171.60	140.18	158.98	140.57	140.67	138.56	136.50	126.61
300.0	175.21	177.66	181.95	153.46	151.61	138.66	128.03	128.32	114.85
315.0	176.44	160.62	168.85	163.00	159.94	130.49	129.01	130.88	113.21
330.0	178.78	158.65	125.73	123.92	112.45	118.57	125.93	110.85	98.82
345.0	119.55	105.92	95.50	105.25	100.69	96.42	94.12	81.89	90.72
360.0	122.32	128.15	107.91	95.93	90.41	95.72	93.28	94.45	79.16

Intensity data(cd)

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C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	70.85	76.82	65.27	90.57	83.70	79.90	66.01	56.48	58.97
15.0	89.07	95.58	89.48	79.57	62.58	57.49	67.26	53.26	49.05
30.0	93.34	86.36	79.57	88.77	77.19	65.45	71.44	57.78	45.85
45.0	95.93	75.24	76.92	79.76	73.99	58.86	57.75	54.04	42.69
60.0	89.22	74.03	82.79	82.75	81.85	62.41	59.68	56.56	49.36
75.0	61.96	60.67	56.07	58.55	51.95	55.31	43.51	39.49	42.24
90.0	72.66	78.05	68.32	63.03	60.83	58.43	49.93	47.92	53.28
105.0	66.48	70.50	73.97	55.76	48.87	60.32	45.81	56.30	43.37
120.0	79.82	77.33	71.90	79.86	69.47	72.45	51.15	48.70	57.45
135.0	99.25	105.00	89.61	86.92	84.07	68.41	64.36	53.01	42.63
150.0	61.72	71.98	67.81	72.37	60.11	60.83	60.53	47.18	50.94
165.0	42.03	36.49	27.62	31.91	29.16	22.86	21.65	20.32	22.51
180.0	9.61	8.72	7.63	7.10	5.87	4.91	4.37	3.86	3.59
195.0	26.91	26.23	33.70	32.51	24.10	25.35	30.23	31.73	25.57
210.0	88.87	69.37	76.49	78.42	75.88	63.25	65.23	61.78	55.72
225.0	133.77	115.34	107.42	108.31	109.29	81.95	78.91	80.95	90.47
240.0	118.30	105.08	109.37	92.26	88.27	92.52	83.24	82.47	77.77
255.0	119.02	98.90	103.73	97.71	88.66	83.16	83.22	70.56	64.86
270.0	99.71	84.33	100.55	76.43	76.90	85.46	87.08	76.08	73.64
285.0	108.22	108.49	89.83	86.16	95.58	94.80	79.28	85.54	70.21
300.0	113.03	107.89	102.50	101.86	108.82	97.53	74.40	75.22	71.55
315.0	106.95	103.71	106.62	86.47	84.31	76.49	67.11	62.45	70.15
330.0	87.56	88.62	83.76	88.42	93.16	77.17	69.93	58.56	68.90
345.0	83.57	85.75	76.21	91.74	85.54	66.29	60.91	66.78	56.48
360.0	70.85	76.82	65.27	90.57	83.70	79.90	66.01	56.48	58.97
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	54.04	53.49	52.95	51.02	43.43	38.56	37.37	35.49	27.62
15.0	56.34	52.50	47.20	41.34	42.11	33.54	30.75	23.71	20.28
30.0	46.38	48.89	40.97	34.64	36.51	35.57	25.43	22.97	19.21
45.0	41.54	39.67	35.18	35.59	27.89	24.71	18.78	15.09	11.86
60.0	45.52	39.76	37.48	31.69	28.55	26.19	27.30	17.77	14.33
75.0	37.19	37.97	30.42	32.20	27.97	27.75	20.83	17.22	10.88
90.0	46.36	44.04	40.27	43.63	34.17	24.34	19.56	19.97	11.78
105.0	39.73	35.47	28.80	30.91	28.10	22.45	19.87	12.93	8.91
120.0	57.53	51.64	36.39	32.12	34.17	24.24	26.66	25.68	16.09
135.0	51.74	49.16	51.78	38.83	32.45	32.35	29.86	23.91	24.40
150.0	36.18	34.28	29.47	33.08	29.88	25.06	22.00	16.99	20.26
165.0	19.60	19.95	15.70	12.17	12.07	14.22	14.51	12.01	9.67
180.0	3.30	2.96	2.69	2.48	2.24	2.07	1.89	1.70	1.56
195.0	17.34	13.46	18.64	20.34	15.09	10.16	8.02	9.63	9.21
210.0	53.75	62.17	56.99	49.96	51.27	41.87	33.84	31.75	26.31
225.0	80.50	79.96	69.64	60.07	47.62	58.31	53.85	43.84	36.70
240.0	79.84	80.35	73.23	61.30	54.31	49.71	38.17	35.98	37.66
255.0	79.47	71.85	72.41	63.62	46.92	47.39	45.38	42.44	44.48
270.0	73.44	68.94	67.26	56.67	58.72	60.57	59.01	59.34	49.83
285.0	73.19	65.04	64.14	62.93	62.06	44.80	44.52	45.34	48.19
300.0	70.54	61.65	48.48	56.05	51.04	42.89	36.88	35.03	35.77
315.0	62.48	63.95	58.62	47.10	47.04	44.66	38.87	36.96	31.50
330.0	70.40	60.16	44.74	40.56	41.50	35.36	32.86	33.39	27.73
345.0	49.11	52.40	44.09	46.47	40.74	34.30	34.30	32.04	30.64
360.0	54.04	53.49	52.95	51.02	43.43	38.56	37.37	35.49	27.62

Intensity data(cd)

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	22.43	18.47	11.53	8.56	7.33	6.88	6.36	6.03	5.54
15.0	19.99	10.20	8.66	7.74	6.98	6.59	6.12	5.83	5.44
30.0	11.37	9.32	8.25	7.41	6.98	6.53	6.03	5.71	5.32
45.0	9.81	8.76	7.63	7.04	6.69	6.08	5.71	5.42	4.91
60.0	9.40	8.25	7.45	6.73	6.36	5.93	5.38	5.13	4.78
75.0	8.85	8.15	7.18	6.53	6.10	5.50	5.13	4.84	4.43
90.0	8.56	7.94	7.12	6.24	5.81	5.34	4.84	4.56	4.25
105.0	8.17	7.33	6.71	6.28	5.62	5.23	4.93	4.49	4.15
120.0	10.18	9.01	7.92	7.24	6.73	6.07	5.62	5.27	4.91
135.0	13.67	9.48	8.03	7.22	6.86	6.18	5.54	5.25	4.86
150.0	14.51	12.31	7.20	6.22	5.64	5.03	4.62	4.41	3.84
165.0	7.88	4.66	3.39	3.06	2.65	2.52	2.40	2.15	1.93
180.0	1.48	1.33	1.23	1.15	1.05	0.98	0.92	0.82	0.74
195.0	8.76	5.29	6.75	7.25	3.94	3.35	3.02	2.71	2.52
210.0	24.87	23.66	21.14	15.43	11.94	10.00	7.78	6.67	5.99
225.0	31.75	26.23	24.30	17.16	13.20	14.86	9.56	8.46	7.43
240.0	37.37	32.00	28.55	21.90	22.58	14.90	12.23	8.93	8.21
255.0	35.42	28.36	27.17	28.55	27.19	15.50	14.49	9.50	8.31
270.0	43.96	38.34	36.18	33.66	24.36	13.51	10.36	9.26	8.29
285.0	34.73	30.21	28.20	20.44	18.37	14.26	9.40	8.85	7.78
300.0	33.25	30.07	28.04	18.98	15.47	10.04	8.76	8.13	7.51
315.0	28.57	28.67	18.64	15.97	11.99	9.22	8.35	7.76	6.90
330.0	27.28	24.98	21.45	12.81	9.95	8.89	7.74	7.12	6.53
345.0	25.37	24.49	17.26	9.83	8.74	7.37	6.81	6.47	5.95
360.0	22.43	18.47	11.53	8.56	7.33	6.88	6.36	6.03	5.54
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.15	4.90	4.43	4.08	3.80	3.51	3.18	3.04	2.89
15.0	4.97	4.62	4.33	3.90	3.59	3.39	3.16	3.02	2.91
30.0	4.88	4.52	4.23	3.94	3.71	3.49	3.32	3.18	3.04
45.0	4.54	4.31	3.88	3.61	3.49	3.28	3.10	3.04	2.93
60.0	4.33	4.10	3.78	3.53	3.41	3.22	3.04	2.96	2.83
75.0	4.08	3.80	3.51	3.24	3.08	2.93	2.83	2.71	2.63
90.0	3.90	3.67	3.30	3.08	2.94	2.77	2.63	2.59	2.46
105.0	3.88	3.57	3.32	3.14	2.98	2.83	2.73	2.63	2.54
120.0	4.52	4.25	3.94	3.63	3.43	3.26	3.08	2.96	2.85
135.0	4.41	4.31	3.90	3.57	3.37	3.12	2.96	2.85	2.71
150.0	3.55	3.33	3.02	2.89	2.59	2.38	2.24	2.11	1.99
165.0	1.81	1.62	1.48	1.42	1.27	1.19	1.17	1.11	1.03
180.0	0.68	0.64	0.55	0.53	0.49	0.43	0.43	0.41	0.37
195.0	2.34	2.11	1.91	1.79	1.62	1.46	1.38	1.27	1.17
210.0	5.62	5.01	4.66	4.29	3.84	3.57	3.37	3.08	2.83
225.0	7.10	6.53	5.75	5.40	4.99	4.60	4.31	3.98	3.61
240.0	7.64	6.92	6.44	5.87	5.30	4.91	4.64	4.25	3.92
255.0	7.84	7.20	6.30	5.87	5.44	4.95	4.68	4.31	3.84
270.0	7.53	6.81	6.20	5.73	5.07	4.70	4.43	4.04	3.69
285.0	7.25	6.73	6.01	5.50	5.29	4.82	4.49	4.23	3.78
300.0	6.86	6.44	5.99	5.48	5.25	4.90	4.47	4.21	3.86
315.0	6.38	6.07	5.62	5.25	5.01	4.58	4.21	3.96	3.61
330.0	6.03	5.75	5.44	4.99	4.76	4.41	3.94	3.82	3.51
345.0	5.56	5.29	4.86	4.52	4.25	3.88	3.51	3.32	3.16
360.0	5.15	4.90	4.43	4.08	3.80	3.51	3.18	3.04	2.89

Intensity data(cd)

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C/ $\gamma(^{\circ})$	90.0
0.0	2.89
15.0	2.79
30.0	2.94
45.0	2.81
60.0	2.77
75.0	2.50
90.0	2.36
105.0	2.44
120.0	2.75
135.0	2.57
150.0	1.89
165.0	1.01
180.0	0.39
195.0	1.11
210.0	2.61
225.0	3.37
240.0	3.67
255.0	3.61
270.0	3.41
285.0	3.57
300.0	3.59
315.0	3.39
330.0	3.33
345.0	2.94
360.0	2.89