

Report No	:	Voltage	: 230 V
Test No	: T2205639	Current	: 0.0496 A
LumCAT	: LIT by CARDI	Power	: 5.700 W
Luminaire	: 0019590041 LAPAR03 5.7W 3000K 540lm	PF	: 0.5
LampCAT	:	Ballast type	:
Lamp flux	: 540.0 lm	Width	: -46 mm
Number of Lamps	: 1	Length	: -46 mm
Phm Type	: C	Height	: 0 mm

Photometric Results

Lumens(lm)	: 540.10	Central intensity(cd)	: 917.453
Efficiency(%)	: 100.00%	Maximum intensity(cd)	: 917.787
Luminous Efficacy(lm/W)	: 94.75	Angle of maximum intensity	: C=0.0 γ =1.0
Beam Angle(50%Imax)	: [C0/180]Total=39.2 [C90/270]Total=39.2		
Field angle(10%Imax)	: [C0/180]Total=75.8 [C90/270]Total=75.8		
Maximum s/h(1/2)	: C0_180=0.63 C90_270=0.63		
Maximum s/h(1/4)	: C0_180=0.66 C90_270=0.66		
Up flux rate of lamp(%)	: 0.00%		
Down flux rate of lamp(%)	: 100.02%		
Up flux rate of LUM(%)	: - -		
Down flux rate of LUM(%)	: 100.00%		
CIE Type	: Direct lighting		
Output flux ratio in π solid angle :	: 97.363%		

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	917.453	0.000	0	0.00%	0.00%
1.0	917.787	0.878	0.878	0.16%	0.16%
2.0	915.789	2.632	3.51	0.49%	0.65%
3.0	906.842	4.359	7.869	0.81%	1.46%
4.0	893.939	6.028	13.897	1.12%	2.57%
5.0	878.640	7.626	21.522	1.41%	3.98%
6.0	861.731	9.146	30.668	1.69%	5.68%
7.0	843.193	10.582	41.251	1.96%	7.64%
8.0	823.039	11.925	53.176	2.21%	9.85%
9.0	801.263	13.164	66.34	2.44%	12.28%
10.0	777.429	14.287	80.626	2.65%	14.93%
11.0	751.274	15.275	95.901	2.83%	17.76%
12.0	722.600	16.112	112.013	2.98%	20.74%
13.0	691.458	16.781	128.794	3.11%	23.85%
14.0	658.303	17.277	146.071	3.20%	27.05%
15.0	623.310	17.595	163.666	3.26%	30.30%
16.0	587.214	17.738	181.403	3.28%	33.59%
17.0	550.921	17.724	199.127	3.28%	36.87%
18.0	514.830	17.572	216.699	3.25%	40.12%
19.0	479.398	17.298	233.996	3.20%	43.32%
20.0	445.289	16.924	250.921	3.13%	46.46%
21.0	413.094	16.483	267.403	3.05%	49.51%
22.0	383.176	16.001	283.405	2.96%	52.47%
23.0	355.306	15.495	298.9	2.87%	55.34%
24.0	329.066	14.963	313.863	2.77%	58.11%
25.0	304.368	14.403	328.266	2.67%	60.78%
26.0	281.012	13.818	342.084	2.56%	63.34%
27.0	258.869	13.208	355.292	2.45%	65.78%
28.0	237.695	12.572	367.864	2.33%	68.11%
29.0	217.517	11.910	379.774	2.21%	70.32%
30.0	198.478	11.232	391.006	2.08%	72.40%
31.0	180.538	10.547	401.553	1.95%	74.35%
32.0	163.791	9.865	411.418	1.83%	76.17%
33.0	148.345	9.196	420.613	1.70%	77.88%
34.0	134.304	8.554	429.167	1.58%	79.46%
35.0	121.646	7.949	437.116	1.47%	80.93%
36.0	110.247	7.384	444.499	1.37%	82.30%
37.0	99.976	6.856	451.356	1.27%	83.57%

Zonal flux distribution table

Appendix Page: 3 Total:16

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	90.699	6.364	457.72	1.18%	84.75%
39.0	82.287	5.904	463.625	1.09%	85.84%
40.0	74.684	5.475	469.099	1.01%	86.85%
41.0	67.859	5.076	474.175	0.94%	87.79%
42.0	61.748	4.709	478.884	0.87%	88.67%
43.0	56.302	4.373	483.257	0.81%	89.48%
44.0	51.453	4.067	487.324	0.75%	90.23%
45.0	47.126	3.789	491.112	0.70%	90.93%
46.0	43.240	3.534	494.646	0.65%	91.58%
47.0	39.728	3.300	497.946	0.61%	92.20%
48.0	36.549	3.084	501.03	0.57%	92.77%
49.0	33.670	2.884	503.913	0.53%	93.30%
50.0	31.087	2.700	506.613	0.50%	93.80%
51.0	28.759	2.532	509.145	0.47%	94.27%
52.0	26.641	2.377	511.523	0.44%	94.71%
53.0	24.695	2.233	513.756	0.41%	95.12%
54.0	22.876	2.097	515.852	0.39%	95.51%
55.0	21.143	1.965	517.817	0.36%	95.87%
56.0	19.513	1.837	519.654	0.34%	96.21%
57.0	17.996	1.715	521.369	0.32%	96.53%
58.0	16.593	1.600	522.969	0.30%	96.83%
59.0	15.317	1.492	524.461	0.28%	97.10%
60.0	14.170	1.393	525.854	0.26%	97.36%
61.0	13.122	1.302	527.156	0.24%	97.60%
62.0	12.136	1.217	528.373	0.23%	97.83%
63.0	11.193	1.135	529.508	0.21%	98.04%
64.0	10.296	1.054	530.562	0.20%	98.23%
65.0	9.451	0.977	531.54	0.18%	98.42%
66.0	8.659	0.904	532.443	0.17%	98.58%
67.0	7.928	0.834	533.277	0.15%	98.74%
68.0	7.255	0.769	534.046	0.14%	98.88%
69.0	6.635	0.709	534.755	0.13%	99.01%
70.0	6.063	0.652	535.407	0.12%	99.13%
71.0	5.530	0.599	536.006	0.11%	99.24%
72.0	5.030	0.549	536.555	0.10%	99.34%
73.0	4.560	0.501	537.057	0.09%	99.44%
74.0	4.113	0.456	537.513	0.08%	99.52%
75.0	3.690	0.412	537.925	0.08%	99.60%

Equipment: GMS-1800
Temperature($^{\circ}\text{C}$): 25.0

Date: 2022/04/19
Humidity(%): 55.0%

Operator: LCS

Zonal flux distribution table

Appendix Page: 4 Total:16

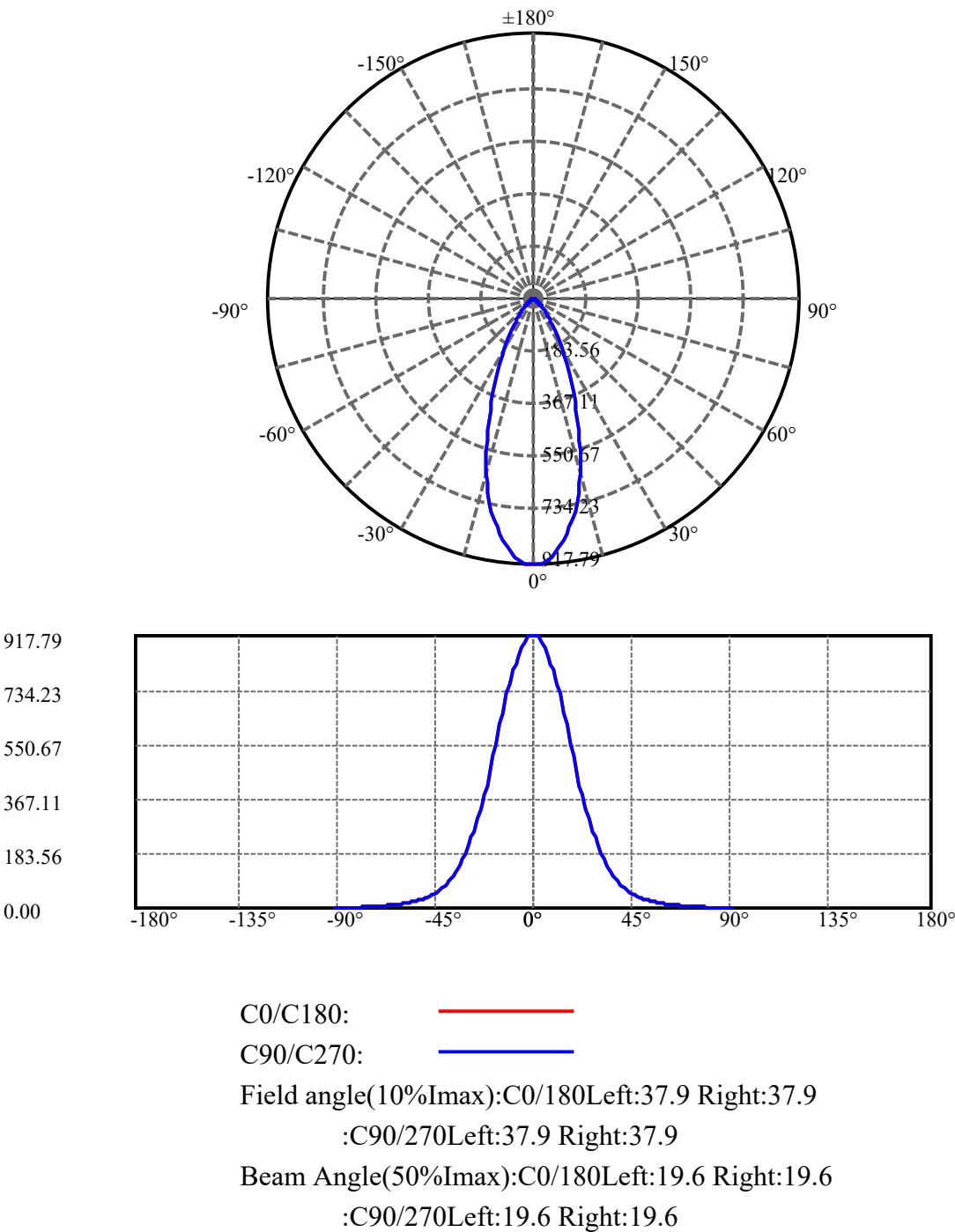
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	3.289	0.370	538.296	0.07%	99.67%
77.0	2.910	0.331	538.626	0.06%	99.73%
78.0	2.556	0.293	538.919	0.05%	99.78%
79.0	2.219	0.257	539.175	0.05%	99.83%
80.0	1.897	0.222	539.397	0.04%	99.87%
81.0	1.587	0.188	539.586	0.03%	99.90%
82.0	1.286	0.156	539.741	0.03%	99.93%
83.0	0.997	0.124	539.866	0.02%	99.96%
84.0	0.727	0.094	539.959	0.02%	99.97%
85.0	0.478	0.066	540.025	0.01%	99.99%
86.0	0.271	0.041	540.066	0.01%	99.99%
87.0	0.127	0.022	540.088	0.00%	100.00%
88.0	0.038	0.009	540.097	0.00%	100.00%
89.0	0.005	0.002	540.099	0.00%	100.00%
90.0	0.000	0.000	540.1	0.00%	100.00%

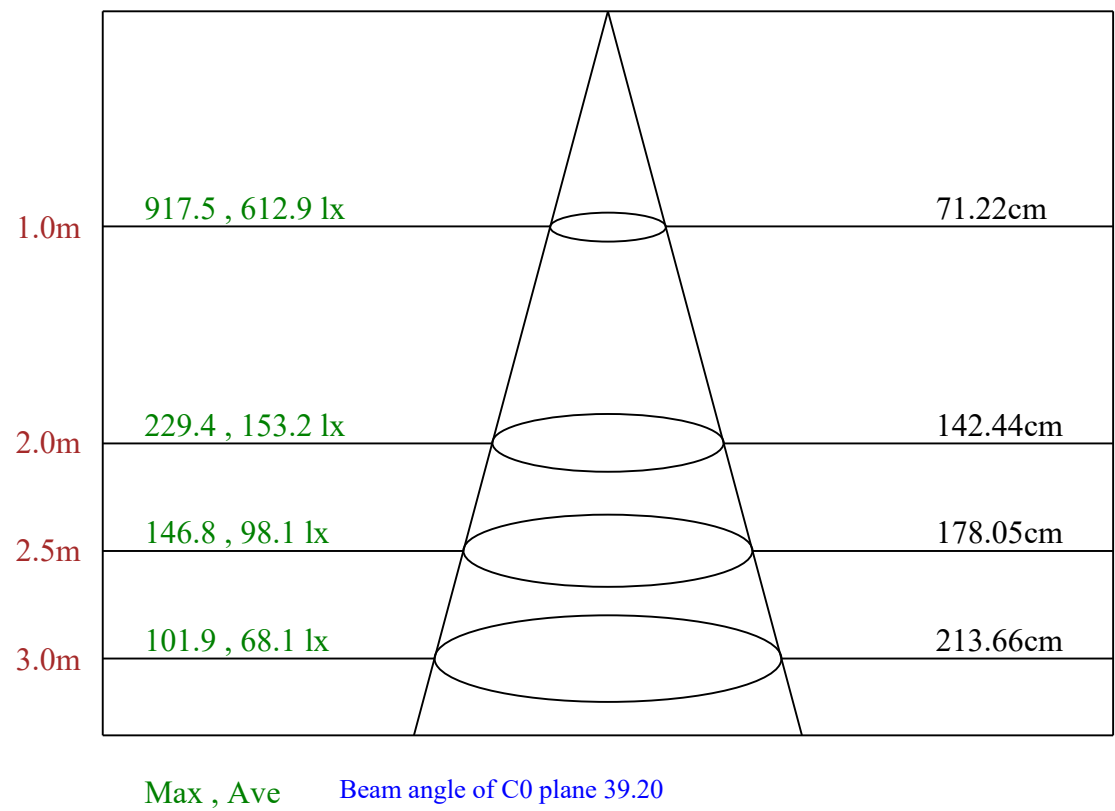
ZONAL LUMEN SUMMARY

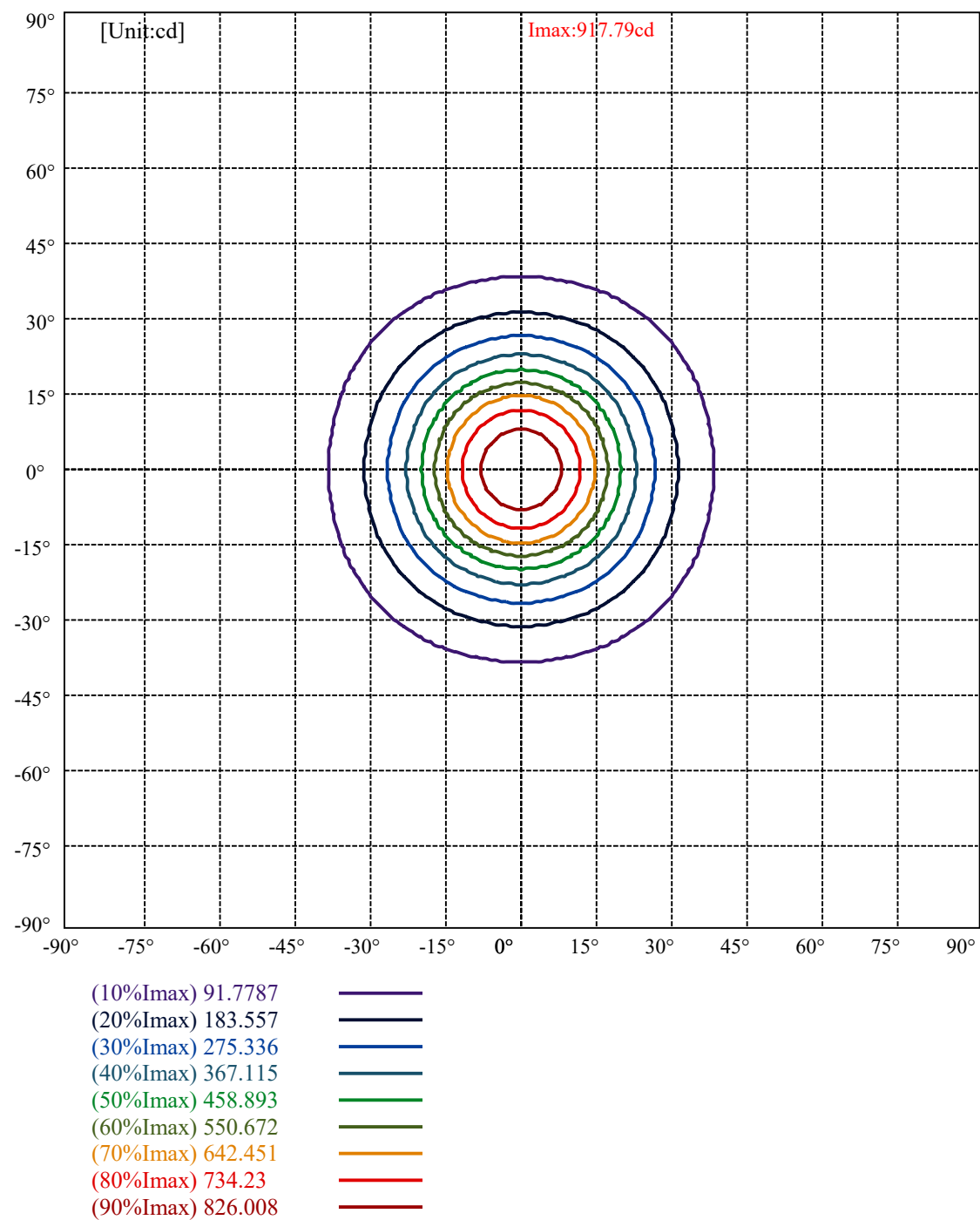
Zone	Lumens	%Lamp	%Fixt
0-30	391.01	72.41%	72.40%
0-40	469.10	86.87%	86.85%
0-60	525.85	97.38%	97.36%
0-90	540.10	100.02%	100.00%
0-120	540.10	100.02%	100.00%
0-180	540.10	100.02%	100.00%
60-90	14.25	2.64%	2.64%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-34.37	432.08	80.01%	80.00%

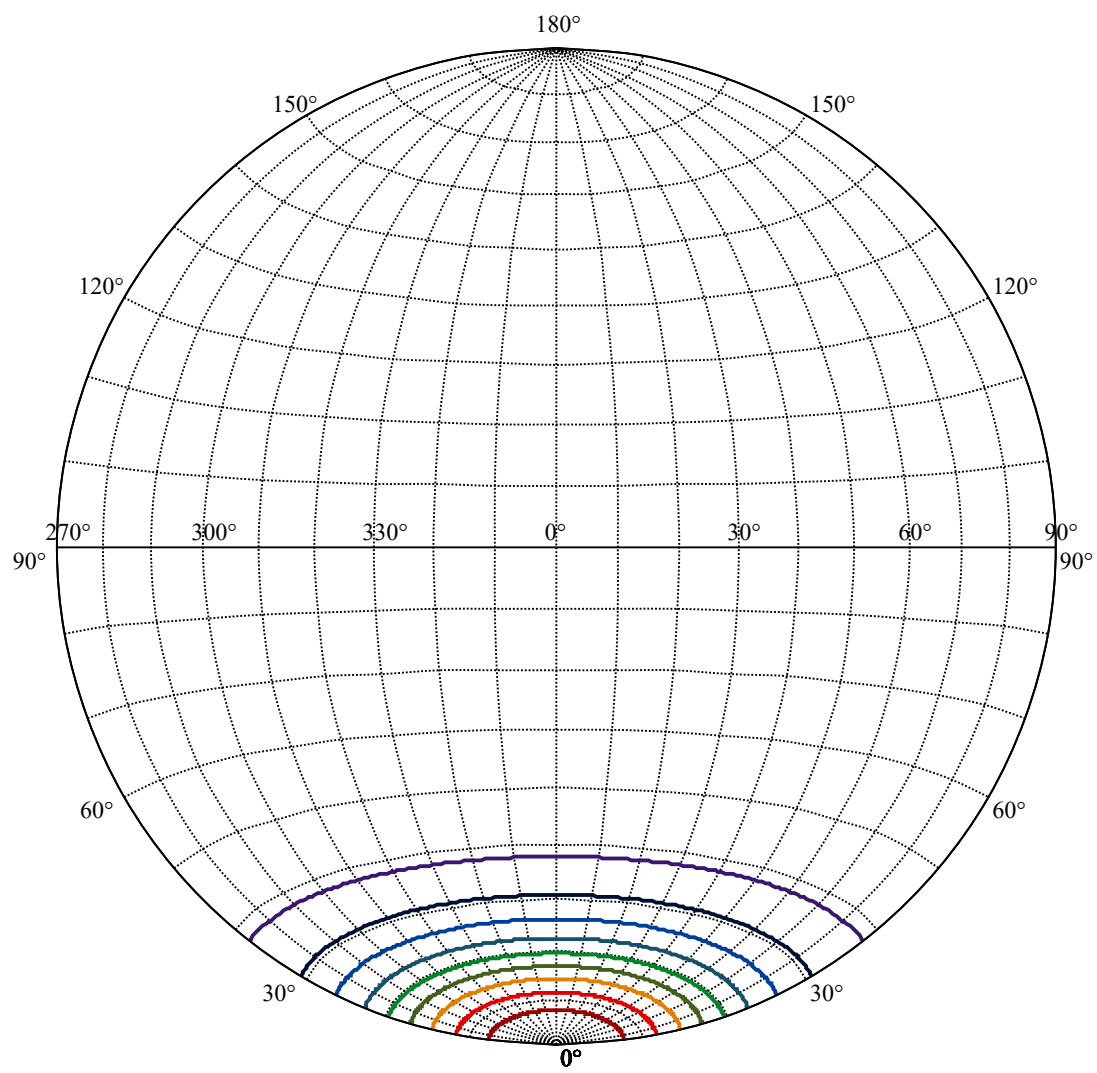
ZONAL LUMEN SUMMARY

0-10	80.63
10-20	170.29
20-30	140.08
30-40	78.09
40-50	37.51
50-60	19.24
60-70	9.55
70-80	3.99
80-90	0.70
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







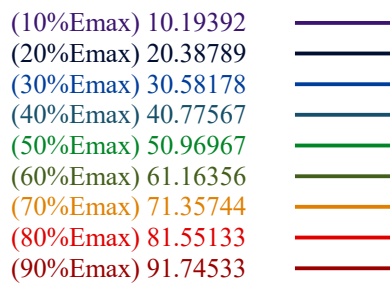


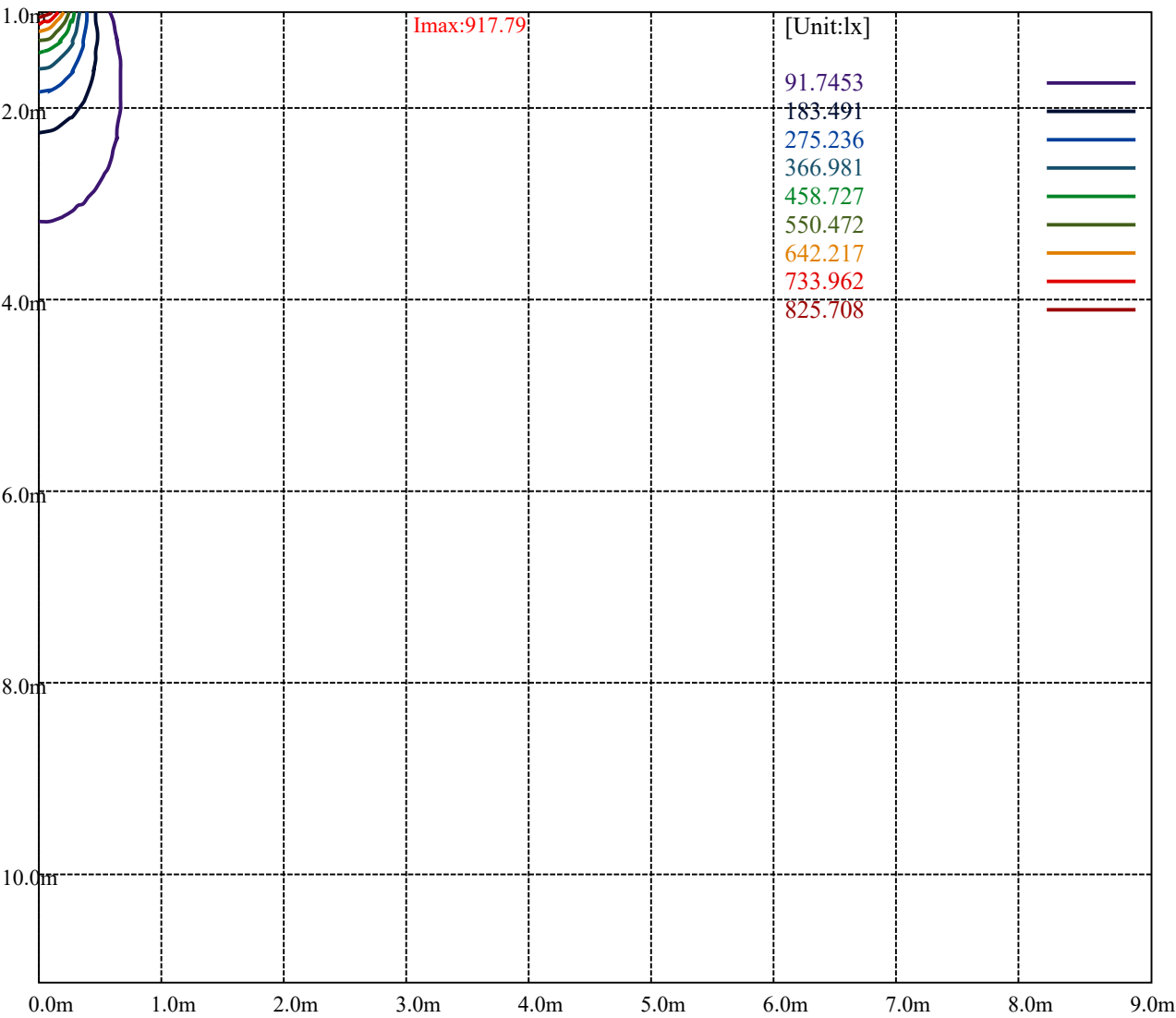
House

[Unit:cd]

Road

Imax:917.79	
(10%Imax) 91.7787	
(20%Imax) 183.557	
(30%Imax) 275.336	
(40%Imax) 367.115	
(50%Imax) 458.893	
(60%Imax) 550.672	
(70%Imax) 642.451	
(80%Imax) 734.23	
(90%Imax) 826.008	





Luminance Limiting Curve(no luminous side)

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Luminance Table

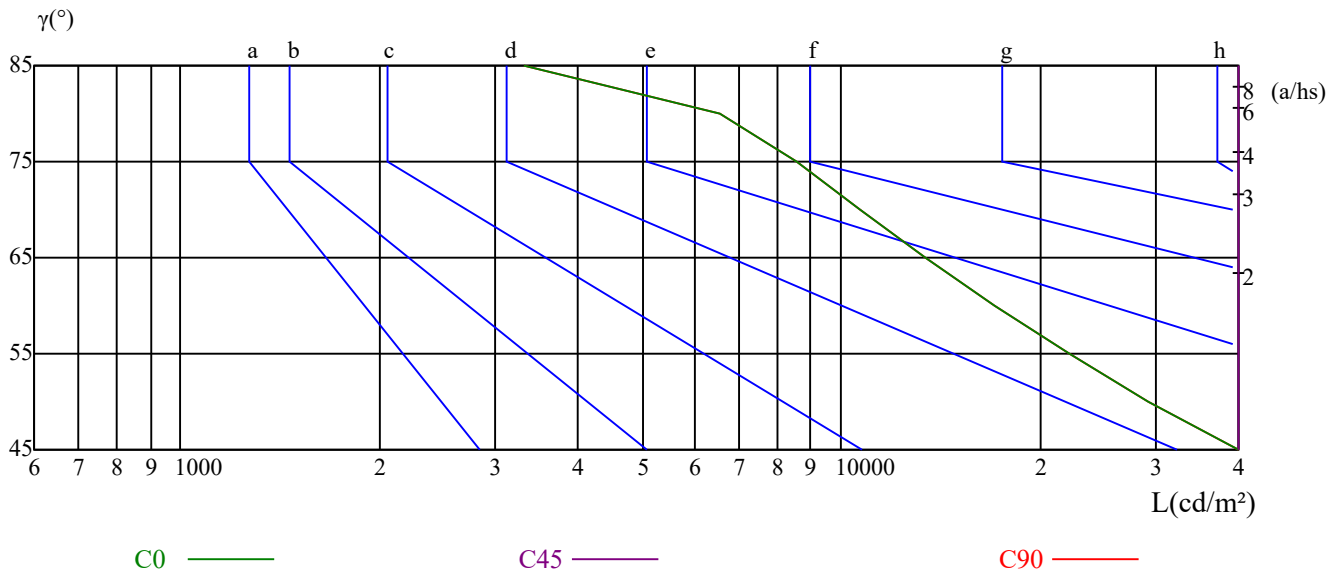
γ	45	50	55	60	65	70	75	80	85
C0	40102	29101	22180	17053	13456	10667	8579	6573	3300
C45	127591	135070	144471	156735	173710	199466	242974	331416	600514
C90	40102	29101	22180	17053	13456	10667	8579	6573	3300

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
13456	13456	173710	8579	8579	242974	3300	3300	600514

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve



Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	20.77	21.84	21.13	22.15	22.47	20.77	21.84	21.13	22.15	22.47
	3H	21.00	21.95	21.38	22.29	22.63	21.00	21.95	21.38	22.29	22.63
	4H	21.05	21.92	21.45	22.28	22.65	21.05	21.92	21.45	22.28	22.65
	6H	21.06	21.87	21.48	22.24	22.64	21.06	21.87	21.48	22.24	22.64
	8H	21.02	21.79	21.44	22.17	22.58	21.02	21.79	21.44	22.17	22.58
	12H	20.96	21.69	21.38	22.08	22.50	20.96	21.69	21.38	22.08	22.50
4H	2H	20.77	21.65	21.17	22.00	22.37	20.77	21.65	21.17	22.00	22.37
	3H	21.07	21.80	21.49	22.19	22.61	21.07	21.80	21.49	22.19	22.61
	4H	21.20	21.84	21.64	22.26	22.71	21.20	21.84	21.64	22.26	22.71
	6H	21.22	21.77	21.69	22.22	22.68	21.22	21.77	21.69	22.22	22.68
	8H	21.20	21.72	21.69	22.18	22.65	21.20	21.72	21.69	22.18	22.65
	12H	21.17	21.65	21.66	22.10	22.62	21.17	21.65	21.66	22.10	22.62
8H	4H	21.12	21.64	21.60	22.09	22.57	21.12	21.64	21.60	22.09	22.57
	6H	21.16	21.59	21.67	22.06	22.57	21.16	21.59	21.67	22.06	22.57
	8H	21.21	21.57	21.74	22.09	22.59	21.21	21.57	21.74	22.09	22.59
	12H	21.19	21.47	21.73	21.99	22.51	21.19	21.47	21.73	21.99	22.51
12H	4H	21.08	21.56	21.57	22.01	22.53	21.08	21.56	21.57	22.01	22.53
	6H	21.17	21.53	21.70	22.05	22.54	21.17	21.53	21.70	22.05	22.54
	8H	21.19	21.47	21.73	21.98	22.51	21.19	21.47	21.73	21.98	22.51
Variation with the observer position at spacings:											
S = 1.0H		2.1/-2.1					2.1/-2.1				
S = 1.5H		3.9/-3.1					3.9/-3.1				
S = 2.0H		6.0/-3.7					6.0/-3.7				
Standard tables:		BK1					BK1				
Uncorrected UGR		2.9					2.9				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	917.45	917.79	915.79	906.84	893.94	878.64	861.73	843.19	823.04
30.0	917.45	917.79	915.79	906.84	893.94	878.64	861.73	843.19	823.04
60.0	917.45	917.79	915.79	906.84	893.94	878.64	861.73	843.19	823.04
90.0	917.45	917.79	915.79	906.84	893.94	878.64	861.73	843.19	823.04
120.0	917.45	917.79	915.79	906.84	893.94	878.64	861.73	843.19	823.04
150.0	917.45	917.79	915.79	906.84	893.94	878.64	861.73	843.19	823.04
180.0	917.45	917.79	915.79	906.84	893.94	878.64	861.73	843.19	823.04
210.0	917.45	917.79	915.79	906.84	893.94	878.64	861.73	843.19	823.04
240.0	917.45	917.79	915.79	906.84	893.94	878.64	861.73	843.19	823.04
270.0	917.45	917.79	915.79	906.84	893.94	878.64	861.73	843.19	823.04
300.0	917.45	917.79	915.79	906.84	893.94	878.64	861.73	843.19	823.04
330.0	917.45	917.79	915.79	906.84	893.94	878.64	861.73	843.19	823.04
360.0	917.45	917.79	915.79	906.84	893.94	878.64	861.73	843.19	823.04

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	801.26	777.43	751.27	722.60	691.46	658.30	623.31	587.21	550.92
30.0	801.26	777.43	751.27	722.60	691.46	658.30	623.31	587.21	550.92
60.0	801.26	777.43	751.27	722.60	691.46	658.30	623.31	587.21	550.92
90.0	801.26	777.43	751.27	722.60	691.46	658.30	623.31	587.21	550.92
120.0	801.26	777.43	751.27	722.60	691.46	658.30	623.31	587.21	550.92
150.0	801.26	777.43	751.27	722.60	691.46	658.30	623.31	587.21	550.92
180.0	801.26	777.43	751.27	722.60	691.46	658.30	623.31	587.21	550.92
210.0	801.26	777.43	751.27	722.60	691.46	658.30	623.31	587.21	550.92
240.0	801.26	777.43	751.27	722.60	691.46	658.30	623.31	587.21	550.92
270.0	801.26	777.43	751.27	722.60	691.46	658.30	623.31	587.21	550.92
300.0	801.26	777.43	751.27	722.60	691.46	658.30	623.31	587.21	550.92
330.0	801.26	777.43	751.27	722.60	691.46	658.30	623.31	587.21	550.92
360.0	801.26	777.43	751.27	722.60	691.46	658.30	623.31	587.21	550.92

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	514.83	479.40	445.29	413.09	383.18	355.31	329.07	304.37	281.01
30.0	514.83	479.40	445.29	413.09	383.18	355.31	329.07	304.37	281.01
60.0	514.83	479.40	445.29	413.09	383.18	355.31	329.07	304.37	281.01
90.0	514.83	479.40	445.29	413.09	383.18	355.31	329.07	304.37	281.01
120.0	514.83	479.40	445.29	413.09	383.18	355.31	329.07	304.37	281.01
150.0	514.83	479.40	445.29	413.09	383.18	355.31	329.07	304.37	281.01
180.0	514.83	479.40	445.29	413.09	383.18	355.31	329.07	304.37	281.01
210.0	514.83	479.40	445.29	413.09	383.18	355.31	329.07	304.37	281.01
240.0	514.83	479.40	445.29	413.09	383.18	355.31	329.07	304.37	281.01
270.0	514.83	479.40	445.29	413.09	383.18	355.31	329.07	304.37	281.01
300.0	514.83	479.40	445.29	413.09	383.18	355.31	329.07	304.37	281.01
330.0	514.83	479.40	445.29	413.09	383.18	355.31	329.07	304.37	281.01
360.0	514.83	479.40	445.29	413.09	383.18	355.31	329.07	304.37	281.01

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	258.87	237.70	217.52	198.48	180.54	163.79	148.35	134.30	121.65
30.0	258.87	237.70	217.52	198.48	180.54	163.79	148.35	134.30	121.65
60.0	258.87	237.70	217.52	198.48	180.54	163.79	148.35	134.30	121.65
90.0	258.87	237.70	217.52	198.48	180.54	163.79	148.35	134.30	121.65
120.0	258.87	237.70	217.52	198.48	180.54	163.79	148.35	134.30	121.65
150.0	258.87	237.70	217.52	198.48	180.54	163.79	148.35	134.30	121.65
180.0	258.87	237.70	217.52	198.48	180.54	163.79	148.35	134.30	121.65
210.0	258.87	237.70	217.52	198.48	180.54	163.79	148.35	134.30	121.65
240.0	258.87	237.70	217.52	198.48	180.54	163.79	148.35	134.30	121.65
270.0	258.87	237.70	217.52	198.48	180.54	163.79	148.35	134.30	121.65
300.0	258.87	237.70	217.52	198.48	180.54	163.79	148.35	134.30	121.65
330.0	258.87	237.70	217.52	198.48	180.54	163.79	148.35	134.30	121.65
360.0	258.87	237.70	217.52	198.48	180.54	163.79	148.35	134.30	121.65

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	110.25	99.98	90.70	82.29	74.68	67.86	61.75	56.30	51.45
30.0	110.25	99.98	90.70	82.29	74.68	67.86	61.75	56.30	51.45
60.0	110.25	99.98	90.70	82.29	74.68	67.86	61.75	56.30	51.45
90.0	110.25	99.98	90.70	82.29	74.68	67.86	61.75	56.30	51.45
120.0	110.25	99.98	90.70	82.29	74.68	67.86	61.75	56.30	51.45
150.0	110.25	99.98	90.70	82.29	74.68	67.86	61.75	56.30	51.45
180.0	110.25	99.98	90.70	82.29	74.68	67.86	61.75	56.30	51.45
210.0	110.25	99.98	90.70	82.29	74.68	67.86	61.75	56.30	51.45
240.0	110.25	99.98	90.70	82.29	74.68	67.86	61.75	56.30	51.45
270.0	110.25	99.98	90.70	82.29	74.68	67.86	61.75	56.30	51.45
300.0	110.25	99.98	90.70	82.29	74.68	67.86	61.75	56.30	51.45
330.0	110.25	99.98	90.70	82.29	74.68	67.86	61.75	56.30	51.45
360.0	110.25	99.98	90.70	82.29	74.68	67.86	61.75	56.30	51.45
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	47.13	43.24	39.73	36.55	33.67	31.09	28.76	26.64	24.70
30.0	47.13	43.24	39.73	36.55	33.67	31.09	28.76	26.64	24.70
60.0	47.13	43.24	39.73	36.55	33.67	31.09	28.76	26.64	24.70
90.0	47.13	43.24	39.73	36.55	33.67	31.09	28.76	26.64	24.70
120.0	47.13	43.24	39.73	36.55	33.67	31.09	28.76	26.64	24.70
150.0	47.13	43.24	39.73	36.55	33.67	31.09	28.76	26.64	24.70
180.0	47.13	43.24	39.73	36.55	33.67	31.09	28.76	26.64	24.70
210.0	47.13	43.24	39.73	36.55	33.67	31.09	28.76	26.64	24.70
240.0	47.13	43.24	39.73	36.55	33.67	31.09	28.76	26.64	24.70
270.0	47.13	43.24	39.73	36.55	33.67	31.09	28.76	26.64	24.70
300.0	47.13	43.24	39.73	36.55	33.67	31.09	28.76	26.64	24.70
330.0	47.13	43.24	39.73	36.55	33.67	31.09	28.76	26.64	24.70
360.0	47.13	43.24	39.73	36.55	33.67	31.09	28.76	26.64	24.70
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	22.88	21.14	19.51	18.00	16.59	15.32	14.17	13.12	12.14
30.0	22.88	21.14	19.51	18.00	16.59	15.32	14.17	13.12	12.14
60.0	22.88	21.14	19.51	18.00	16.59	15.32	14.17	13.12	12.14
90.0	22.88	21.14	19.51	18.00	16.59	15.32	14.17	13.12	12.14
120.0	22.88	21.14	19.51	18.00	16.59	15.32	14.17	13.12	12.14
150.0	22.88	21.14	19.51	18.00	16.59	15.32	14.17	13.12	12.14
180.0	22.88	21.14	19.51	18.00	16.59	15.32	14.17	13.12	12.14
210.0	22.88	21.14	19.51	18.00	16.59	15.32	14.17	13.12	12.14
240.0	22.88	21.14	19.51	18.00	16.59	15.32	14.17	13.12	12.14
270.0	22.88	21.14	19.51	18.00	16.59	15.32	14.17	13.12	12.14
300.0	22.88	21.14	19.51	18.00	16.59	15.32	14.17	13.12	12.14
330.0	22.88	21.14	19.51	18.00	16.59	15.32	14.17	13.12	12.14
360.0	22.88	21.14	19.51	18.00	16.59	15.32	14.17	13.12	12.14
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	11.19	10.30	9.45	8.66	7.93	7.26	6.64	6.06	5.53
30.0	11.19	10.30	9.45	8.66	7.93	7.26	6.64	6.06	5.53
60.0	11.19	10.30	9.45	8.66	7.93	7.26	6.64	6.06	5.53
90.0	11.19	10.30	9.45	8.66	7.93	7.26	6.64	6.06	5.53
120.0	11.19	10.30	9.45	8.66	7.93	7.26	6.64	6.06	5.53
150.0	11.19	10.30	9.45	8.66	7.93	7.26	6.64	6.06	5.53
180.0	11.19	10.30	9.45	8.66	7.93	7.26	6.64	6.06	5.53
210.0	11.19	10.30	9.45	8.66	7.93	7.26	6.64	6.06	5.53
240.0	11.19	10.30	9.45	8.66	7.93	7.26	6.64	6.06	5.53
270.0	11.19	10.30	9.45	8.66	7.93	7.26	6.64	6.06	5.53
300.0	11.19	10.30	9.45	8.66	7.93	7.26	6.64	6.06	5.53
330.0	11.19	10.30	9.45	8.66	7.93	7.26	6.64	6.06	5.53
360.0	11.19	10.30	9.45	8.66	7.93	7.26	6.64	6.06	5.53

Intensity data(cd)									Appendix Page: 16 Total:16
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.03	4.56	4.11	3.69	3.29	2.91	2.56	2.22	1.90
30.0	5.03	4.56	4.11	3.69	3.29	2.91	2.56	2.22	1.90
60.0	5.03	4.56	4.11	3.69	3.29	2.91	2.56	2.22	1.90
90.0	5.03	4.56	4.11	3.69	3.29	2.91	2.56	2.22	1.90
120.0	5.03	4.56	4.11	3.69	3.29	2.91	2.56	2.22	1.90
150.0	5.03	4.56	4.11	3.69	3.29	2.91	2.56	2.22	1.90
180.0	5.03	4.56	4.11	3.69	3.29	2.91	2.56	2.22	1.90
210.0	5.03	4.56	4.11	3.69	3.29	2.91	2.56	2.22	1.90
240.0	5.03	4.56	4.11	3.69	3.29	2.91	2.56	2.22	1.90
270.0	5.03	4.56	4.11	3.69	3.29	2.91	2.56	2.22	1.90
300.0	5.03	4.56	4.11	3.69	3.29	2.91	2.56	2.22	1.90
330.0	5.03	4.56	4.11	3.69	3.29	2.91	2.56	2.22	1.90
360.0	5.03	4.56	4.11	3.69	3.29	2.91	2.56	2.22	1.90
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	1.59	1.29	1.00	0.73	0.48	0.27	0.13	0.04	0.01
30.0	1.59	1.29	1.00	0.73	0.48	0.27	0.13	0.04	0.01
60.0	1.59	1.29	1.00	0.73	0.48	0.27	0.13	0.04	0.01
90.0	1.59	1.29	1.00	0.73	0.48	0.27	0.13	0.04	0.01
120.0	1.59	1.29	1.00	0.73	0.48	0.27	0.13	0.04	0.01
150.0	1.59	1.29	1.00	0.73	0.48	0.27	0.13	0.04	0.01
180.0	1.59	1.29	1.00	0.73	0.48	0.27	0.13	0.04	0.01
210.0	1.59	1.29	1.00	0.73	0.48	0.27	0.13	0.04	0.01
240.0	1.59	1.29	1.00	0.73	0.48	0.27	0.13	0.04	0.01
270.0	1.59	1.29	1.00	0.73	0.48	0.27	0.13	0.04	0.01
300.0	1.59	1.29	1.00	0.73	0.48	0.27	0.13	0.04	0.01
330.0	1.59	1.29	1.00	0.73	0.48	0.27	0.13	0.04	0.01
360.0	1.59	1.29	1.00	0.73	0.48	0.27	0.13	0.04	0.01
C/γ(°)	90.0								
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								