

Report No	:		Voltage	:	V
Test No	:	A2401355A001	Current	:	A
LumCAT	:	LIT by CARDI	Power	:	27.000 W
Luminaire	:	0028920190 27W 4000K 3240lm PF		:	
LampCAT	:		Ballast type	:	
Lamp flux	:	3240.0 lm	Width	:	255 mm
Number of Lamps	:	1	Length	:	1155 mm
Phm Type	:	C	Height	:	0 mm

Photometric Results

Lumens(lm)	:	3240.00	Central intensity(cd)	:	1542.903
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	1543.396
Luminous Efficacy(lm/W)	:	120.00	Angle of maximum intensity	:	C=90.0 γ =0.5
Beam Angle(50%Imax)	:	[C0/180]Total=87.6 [C90/270]Total=88.0			
Field angle(10%Imax)	:	[C0/180]Total=148.0 [C90/270]Total=148.2			
Maximum s/h(1/2)	:	C0_180=1.25 C90_270=1.25			
Maximum s/h(1/4)	:	C0_180=1.24 C90_270=1.24			
Up flux rate of lamp(%)	:	0.00%			
Down flux rate of lamp(%)	:	100.00%			
Up flux rate of LUM(%)	:	--			
Down flux rate of LUM(%)	:	100.00%			
CIE Type	:	Direct lighting			
Output flux ratio in π solid angle :	:	87.424%			

Zonal flux distribution table

Appendix Page: 2 Total:21

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1542.903	0.000	0	0.00%	0.00%
0.5	1543.118	0.369	0.369	0.01%	0.01%
1.0	1542.940	1.107	1.477	0.03%	0.05%
1.5	1542.547	1.845	3.322	0.06%	0.10%
2.0	1542.156	2.583	5.905	0.08%	0.18%
2.5	1541.534	3.319	9.224	0.10%	0.28%
3.0	1540.851	4.054	13.278	0.13%	0.41%
3.5	1540.066	4.789	18.067	0.15%	0.56%
4.0	1539.154	5.521	23.588	0.17%	0.73%
4.5	1538.131	6.252	29.84	0.19%	0.92%
5.0	1536.887	6.981	36.821	0.22%	1.14%
5.5	1535.538	7.707	44.528	0.24%	1.37%
6.0	1534.081	8.431	52.96	0.26%	1.63%
6.5	1532.578	9.153	62.113	0.28%	1.92%
7.0	1530.855	9.871	71.984	0.30%	2.22%
7.5	1529.033	10.587	82.571	0.33%	2.55%
8.0	1527.144	11.299	93.869	0.35%	2.90%
8.5	1525.129	12.007	105.877	0.37%	3.27%
9.0	1523.040	12.712	118.589	0.39%	3.66%
9.5	1520.792	13.414	132.003	0.41%	4.07%
10.0	1518.508	14.111	146.114	0.44%	4.51%
10.5	1516.028	14.804	160.917	0.46%	4.97%
11.0	1513.360	15.491	176.409	0.48%	5.44%
11.5	1510.619	16.174	192.582	0.50%	5.94%
12.0	1507.706	16.851	209.433	0.52%	6.46%
12.5	1504.705	17.523	226.956	0.54%	7.00%
13.0	1501.648	18.190	245.147	0.56%	7.57%
13.5	1498.350	18.851	263.997	0.58%	8.15%
14.0	1494.947	19.505	283.503	0.60%	8.75%
14.5	1491.493	20.154	303.656	0.62%	9.37%
15.0	1487.951	20.797	324.453	0.64%	10.01%
15.5	1484.154	21.432	345.885	0.66%	10.68%
16.0	1480.272	22.060	367.945	0.68%	11.36%
16.5	1476.250	22.681	390.627	0.70%	12.06%
17.0	1472.090	23.295	413.922	0.72%	12.78%
17.5	1467.927	23.902	437.824	0.74%	13.51%
18.0	1463.543	24.501	462.325	0.76%	14.27%
18.5	1458.967	25.091	487.416	0.77%	15.04%

Equipment: GMS1800
Temperature($^{\circ}\text{C}$): 25

Date:
Humidity(%): 55%

Operator: CWR

Zonal flux distribution table

Appendix Page: 3 Total:21

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
19.0	1454.225	25.672	513.088	0.79%	15.84%
19.5	1449.399	26.245	539.333	0.81%	16.65%
20.0	1444.385	26.808	566.142	0.83%	17.47%
20.5	1439.300	27.363	593.505	0.84%	18.32%
21.0	1434.259	27.911	621.416	0.86%	19.18%
21.5	1428.994	28.450	649.866	0.88%	20.06%
22.0	1423.459	28.978	678.844	0.89%	20.95%
22.5	1417.703	29.494	708.338	0.91%	21.86%
23.0	1411.774	29.998	738.336	0.93%	22.79%
23.5	1405.788	30.492	768.828	0.94%	23.73%
24.0	1399.617	30.976	799.804	0.96%	24.69%
24.5	1393.271	31.448	831.252	0.97%	25.66%
25.0	1386.707	31.908	863.16	0.98%	26.64%
25.5	1379.876	32.354	895.514	1.00%	27.64%
26.0	1372.897	32.787	928.301	1.01%	28.65%
26.5	1365.720	33.207	961.508	1.02%	29.68%
27.0	1358.425	33.615	995.123	1.04%	30.71%
27.5	1350.938	34.010	1029.133	1.05%	31.76%
28.0	1343.209	34.391	1063.524	1.06%	32.82%
28.5	1335.207	34.756	1098.28	1.07%	33.90%
29.0	1326.894	35.104	1133.384	1.08%	34.98%
29.5	1318.315	35.435	1168.818	1.09%	36.07%
30.0	1309.421	35.748	1204.566	1.10%	37.18%
30.5	1300.327	36.044	1240.61	1.11%	38.29%
31.0	1290.880	36.322	1276.932	1.12%	39.41%
31.5	1280.985	36.578	1313.51	1.13%	40.54%
32.0	1270.646	36.811	1350.321	1.14%	41.68%
32.5	1259.945	37.021	1387.341	1.14%	42.82%
33.0	1248.603	37.204	1424.546	1.15%	43.97%
33.5	1236.746	37.359	1461.905	1.15%	45.12%
34.0	1224.142	37.482	1499.387	1.16%	46.28%
34.5	1210.668	37.568	1536.955	1.16%	47.44%
35.0	1196.327	37.613	1574.569	1.16%	48.60%
35.5	1181.116	37.618	1612.186	1.16%	49.76%
36.0	1164.918	37.578	1649.764	1.16%	50.92%
36.5	1147.541	37.487	1687.251	1.16%	52.08%
37.0	1128.960	37.342	1724.594	1.15%	53.23%
37.5	1109.335	37.143	1761.737	1.15%	54.37%

Equipment: GMS1800
Temperature($^{\circ}\text{C}$): 25

Date:
Humidity(%): 55%

Operator: CWR

Zonal flux distribution table

Appendix Page: 4 Total:21

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	1088.302	36.886	1798.623	1.14%	55.51%
38.5	1066.115	36.566	1835.189	1.13%	56.64%
39.0	1043.091	36.194	1871.383	1.12%	57.76%
39.5	1019.036	35.769	1907.152	1.10%	58.86%
40.0	994.033	35.290	1942.443	1.09%	59.95%
40.5	968.482	34.764	1977.206	1.07%	61.02%
41.0	942.517	34.199	2011.405	1.06%	62.08%
41.5	915.919	33.594	2044.998	1.04%	63.12%
42.0	889.027	32.950	2077.949	1.02%	64.13%
42.5	862.228	32.281	2110.23	1.00%	65.13%
43.0	835.519	31.594	2141.824	0.98%	66.11%
43.5	809.045	30.893	2172.717	0.95%	67.06%
44.0	782.983	30.182	2202.899	0.93%	67.99%
44.5	757.417	29.468	2232.367	0.91%	68.90%
45.0	732.226	28.751	2261.118	0.89%	69.79%
45.5	707.493	28.031	2289.15	0.87%	70.65%
46.0	683.567	27.317	2316.467	0.84%	71.50%
46.5	660.316	26.614	2343.081	0.82%	72.32%
47.0	637.714	25.920	2369.001	0.80%	73.12%
47.5	615.633	25.232	2394.233	0.78%	73.90%
48.0	594.205	24.552	2418.785	0.76%	74.65%
48.5	573.367	23.881	2442.666	0.74%	75.39%
49.0	552.952	23.216	2465.882	0.72%	76.11%
49.5	533.172	22.558	2488.44	0.70%	76.80%
50.0	513.757	21.906	2510.346	0.68%	77.48%
50.5	494.647	21.255	2531.601	0.66%	78.14%
51.0	476.067	20.609	2552.21	0.64%	78.77%
51.5	458.193	19.975	2572.185	0.62%	79.39%
52.0	440.781	19.355	2591.54	0.60%	79.99%
52.5	423.887	18.744	2610.283	0.58%	80.56%
53.0	407.777	18.149	2628.433	0.56%	81.12%
53.5	392.484	17.579	2646.012	0.54%	81.67%
54.0	377.837	17.031	2663.043	0.53%	82.19%
54.5	363.913	16.504	2679.547	0.51%	82.70%
55.0	350.645	15.998	2695.545	0.49%	83.20%
55.5	338.013	15.513	2711.057	0.48%	83.67%
56.0	326.105	15.050	2726.107	0.46%	84.14%
56.5	314.883	14.611	2740.718	0.45%	84.59%

Equipment: GMS1800
Temperature($^{\circ}\text{C}$): 25

Date:
Humidity(%): 55%

Operator: CWR

Zonal flux distribution table

Appendix Page: 5 Total:21

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
57.0	304.243	14.195	2754.913	0.44%	85.03%
57.5	294.190	13.798	2768.711	0.43%	85.45%
58.0	284.809	13.425	2782.136	0.41%	85.87%
58.5	276.000	13.074	2795.21	0.40%	86.27%
59.0	267.786	12.745	2807.955	0.39%	86.67%
59.5	260.193	12.440	2820.395	0.38%	87.05%
60.0	253.115	12.156	2832.552	0.38%	87.42%
60.5	246.538	11.893	2844.444	0.37%	87.79%
61.0	240.436	11.648	2856.093	0.36%	88.15%
61.5	234.880	11.425	2867.517	0.35%	88.50%
62.0	229.709	11.220	2878.737	0.35%	88.85%
62.5	224.831	11.028	2889.765	0.34%	89.19%
63.0	220.253	10.848	2900.613	0.33%	89.53%
63.5	216.077	10.682	2911.295	0.33%	89.85%
64.0	212.347	10.534	2921.829	0.33%	90.18%
64.5	208.961	10.403	2932.233	0.32%	90.50%
65.0	205.832	10.285	2942.518	0.32%	90.82%
65.5	202.959	10.178	2952.696	0.31%	91.13%
66.0	200.249	10.079	2962.775	0.31%	91.44%
66.5	197.665	9.985	2972.76	0.31%	91.75%
67.0	195.124	9.894	2982.654	0.31%	92.06%
67.5	192.549	9.801	2992.455	0.30%	92.36%
68.0	189.866	9.703	3002.159	0.30%	92.66%
68.5	187.041	9.597	3011.756	0.30%	92.96%
69.0	184.005	9.481	3021.237	0.29%	93.25%
69.5	180.722	9.351	3030.587	0.29%	93.54%
70.0	177.176	9.205	3039.793	0.28%	93.82%
70.5	173.414	9.046	3048.839	0.28%	94.10%
71.0	169.413	8.873	3057.712	0.27%	94.37%
71.5	165.201	8.687	3066.399	0.27%	94.64%
72.0	160.908	8.491	3074.89	0.26%	94.90%
72.5	156.548	8.289	3083.179	0.26%	95.16%
73.0	152.127	8.082	3091.261	0.25%	95.41%
73.5	147.763	7.873	3099.133	0.24%	95.65%
74.0	143.507	7.666	3106.8	0.24%	95.89%
74.5	139.326	7.463	3114.263	0.23%	96.12%
75.0	135.298	7.264	3121.526	0.22%	96.34%
75.5	131.443	7.072	3128.598	0.22%	96.56%

Equipment: GMS1800
Temperature($^{\circ}$ C): 25

Date:
Humidity(%): 55%

Operator: CWR

Zonal flux distribution table

Appendix Page: 6 Total:21

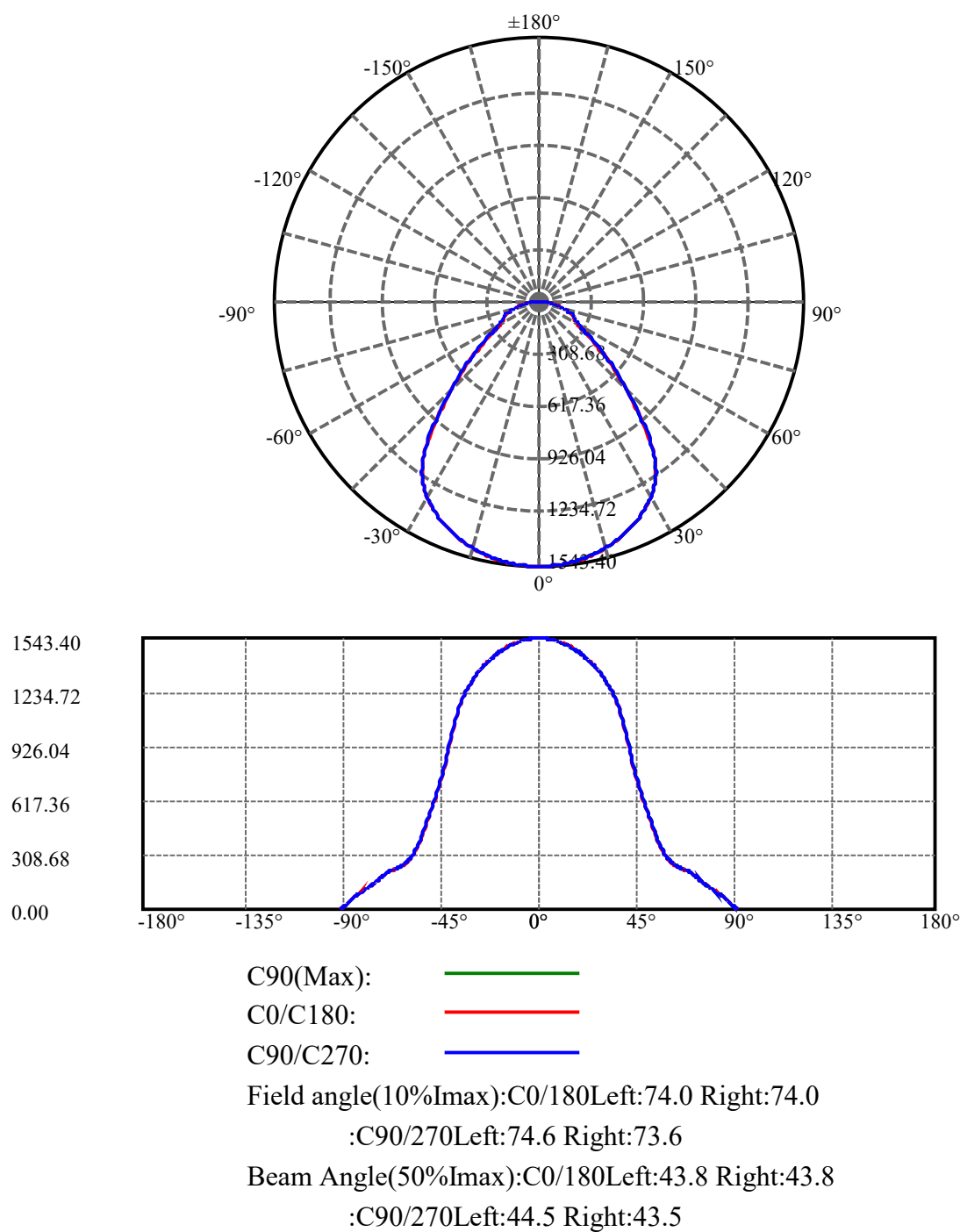
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	127.680	6.885	3135.484	0.21%	96.77%
76.5	124.019	6.703	3142.186	0.21%	96.98%
77.0	120.426	6.523	3148.709	0.20%	97.18%
77.5	116.864	6.345	3155.055	0.20%	97.38%
78.0	113.288	6.166	3161.221	0.19%	97.57%
78.5	109.684	5.985	3167.205	0.18%	97.75%
79.0	106.042	5.801	3173.006	0.18%	97.93%
79.5	102.299	5.612	3178.617	0.17%	98.11%
80.0	98.473	5.416	3184.034	0.17%	98.27%
80.5	94.612	5.217	3189.251	0.16%	98.43%
81.0	90.692	5.014	3194.265	0.15%	98.59%
81.5	86.662	4.806	3199.071	0.15%	98.74%
82.0	82.511	4.590	3203.661	0.14%	98.88%
82.5	78.252	4.367	3208.028	0.13%	99.01%
83.0	73.748	4.134	3212.162	0.13%	99.14%
83.5	68.960	3.885	3216.047	0.12%	99.26%
84.0	63.908	3.621	3219.668	0.11%	99.37%
84.5	58.568	3.341	3223.009	0.10%	99.48%
85.0	52.999	3.046	3226.055	0.09%	99.57%
85.5	47.274	2.740	3228.794	0.08%	99.65%
86.0	41.450	2.426	3231.22	0.07%	99.73%
86.5	35.583	2.107	3233.327	0.07%	99.79%
87.0	29.835	1.791	3235.118	0.06%	99.85%
87.5	24.241	1.481	3236.599	0.05%	99.90%
88.0	18.972	1.184	3237.782	0.04%	99.93%
88.5	14.066	0.905	3238.688	0.03%	99.96%
89.0	9.712	0.652	3239.339	0.02%	99.98%
89.5	6.299	0.439	3239.778	0.01%	99.99%
90.0	1.788	0.222	3240	0.01%	100.00%

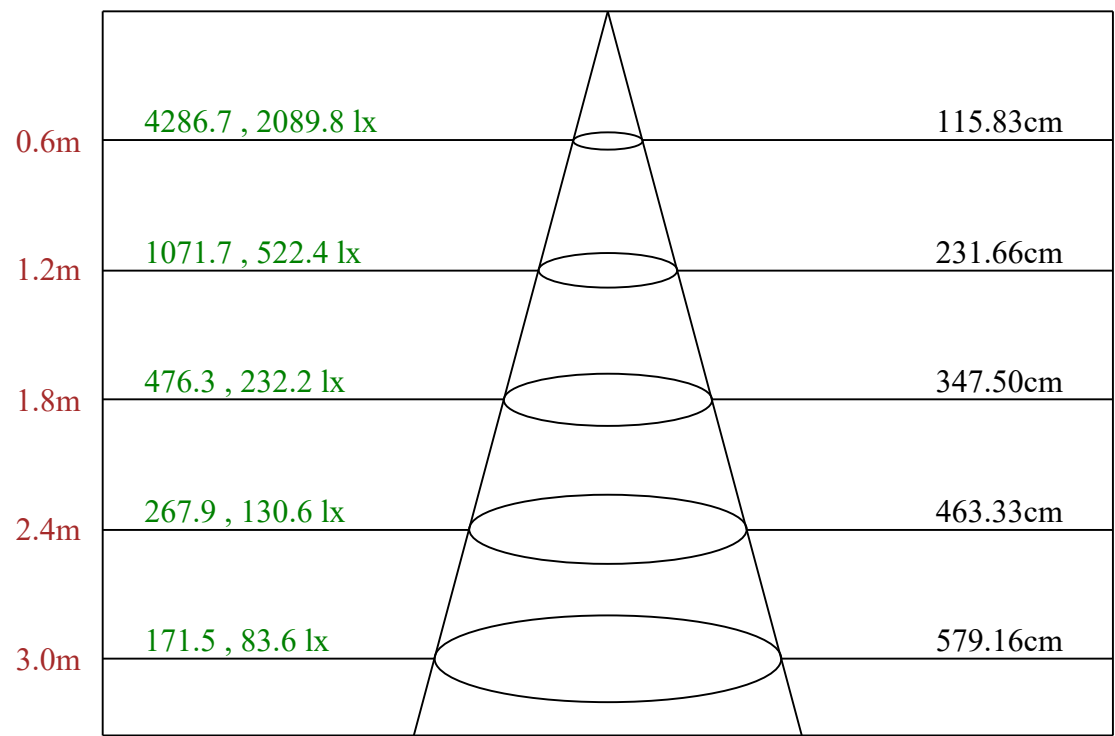
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1204.57	37.18%	37.18%
0-40	1942.44	59.95%	59.95%
0-60	2832.55	87.42%	87.42%
0-90	3239.78	99.99%	99.99%
0-120	3239.78	99.99%	99.99%
0-180	3240.00	100.00%	100.00%
60-90	407.23	12.57%	12.57%
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%
0-52.01	2592.00	80.00%	80.00%

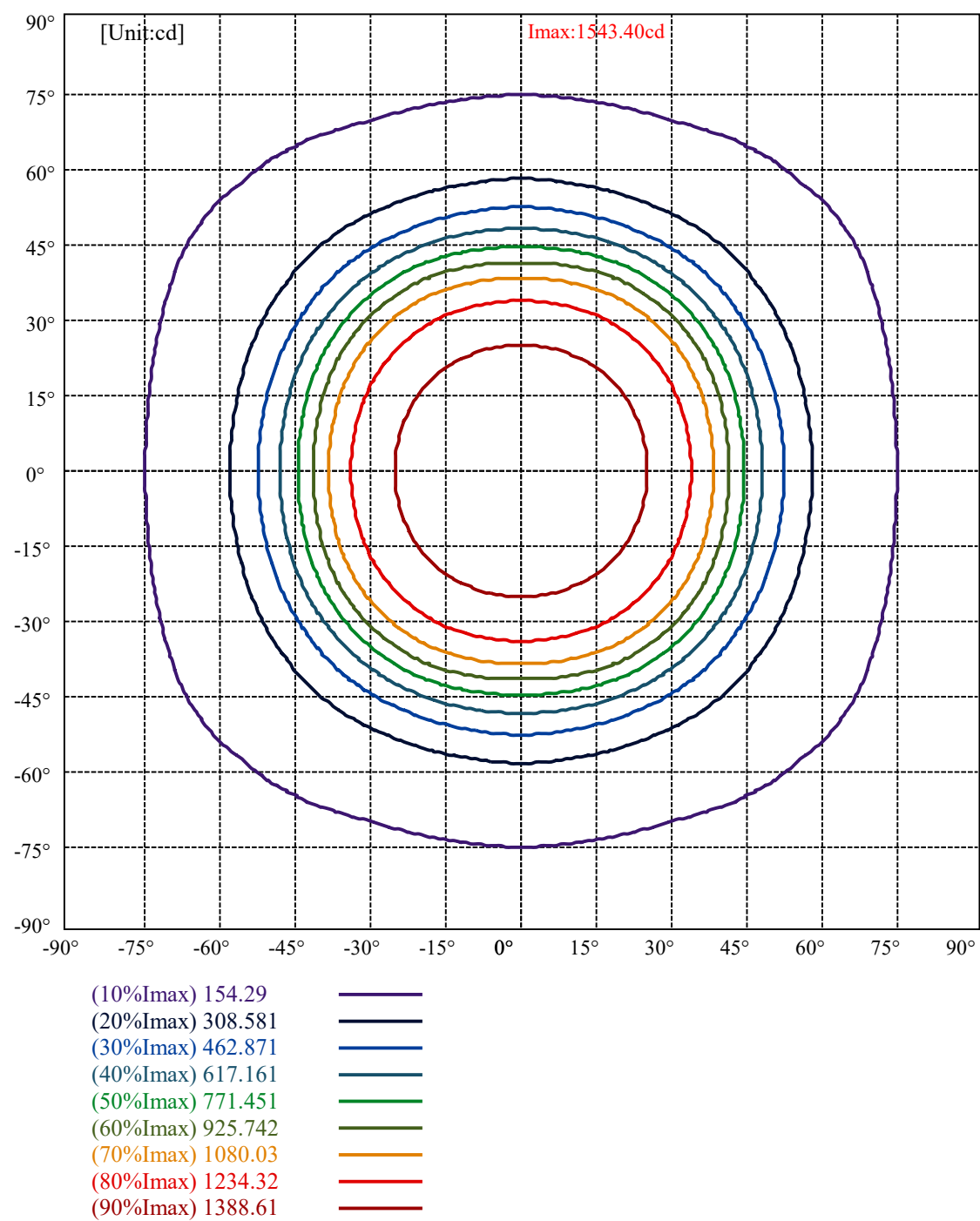
ZONAL LUMEN SUMMARY

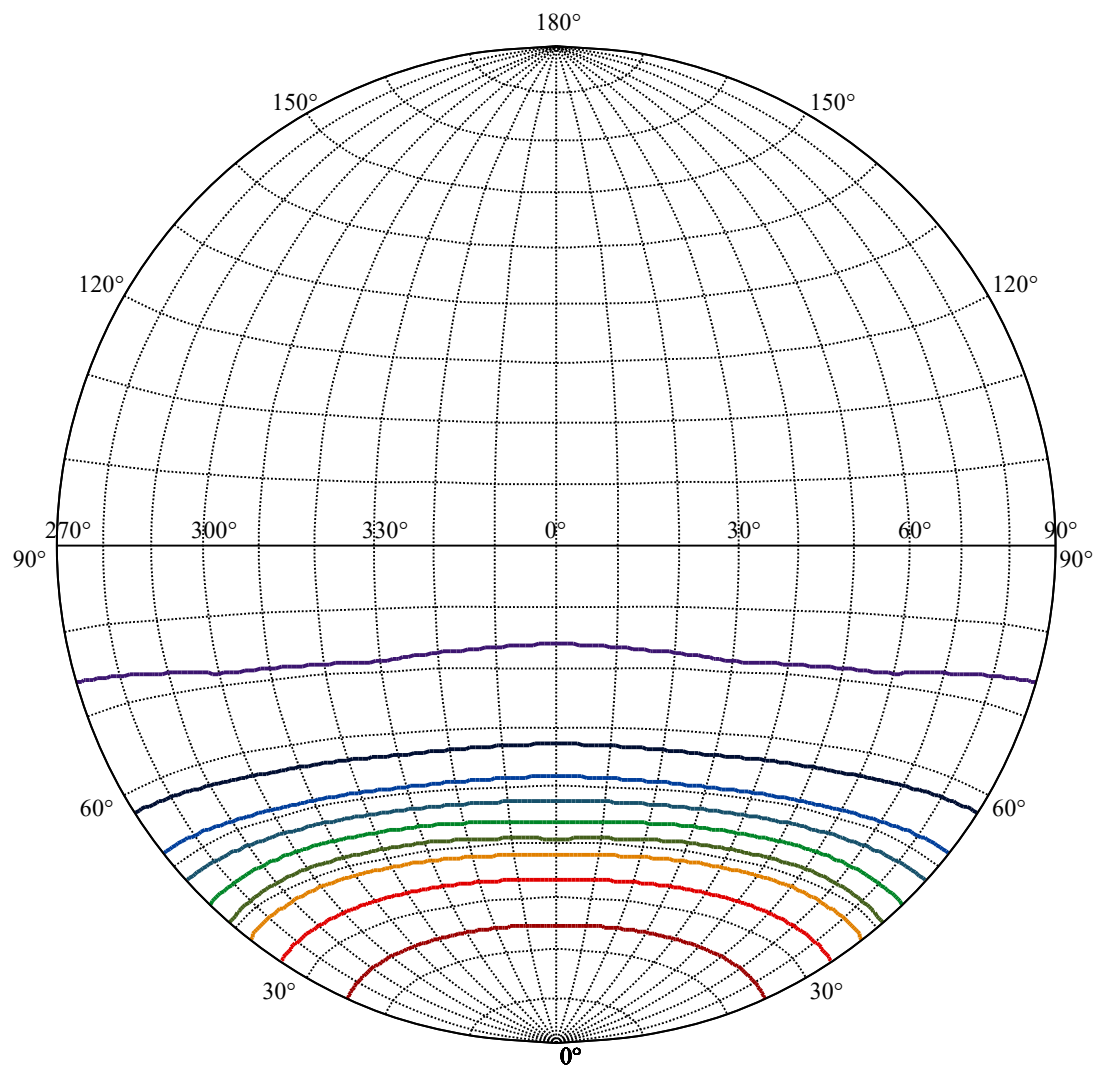
0-10	146.11
10-20	420.03
20-30	638.42
30-40	737.88
40-50	567.90
50-60	322.21
60-70	207.24
70-80	144.24
80-90	55.74
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Max , Ave Beam angle of C90 plane 87.97



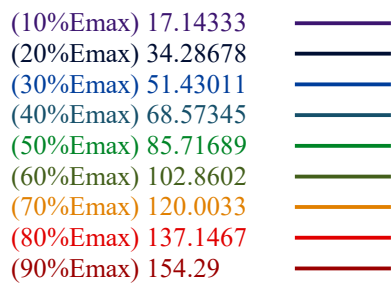


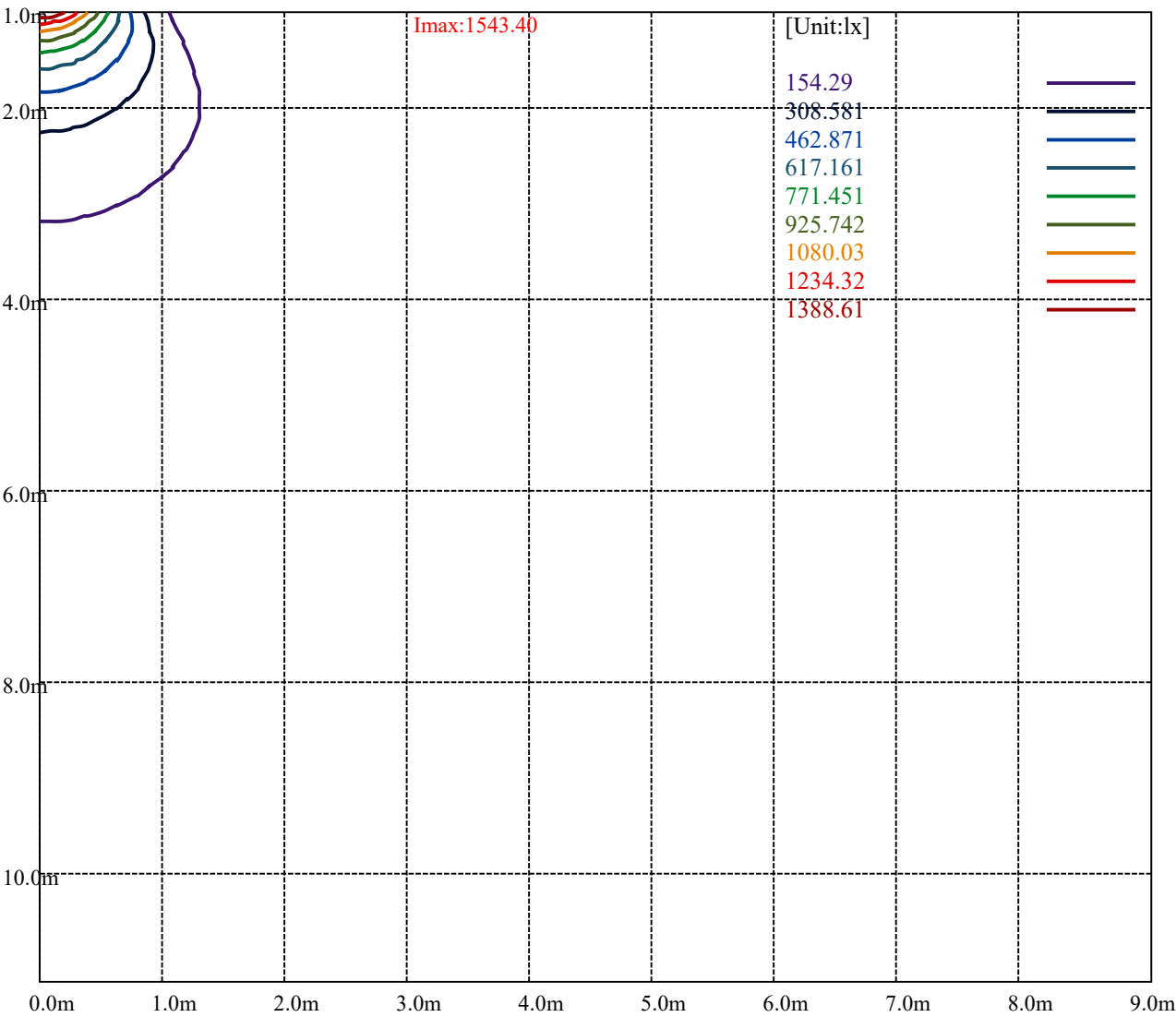
House

[Unit:cd]

Road

Imax:1543.40	
(10%Imax) 154.331	
(20%Imax) 308.662	
(30%Imax) 462.993	
(40%Imax) 617.324	
(50%Imax) 771.656	
(60%Imax) 925.987	
(70%Imax) 1080.32	
(80%Imax) 1234.65	
(90%Imax) 1388.98	





Luminance Limiting Curve(no luminous side)

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Luminance Table

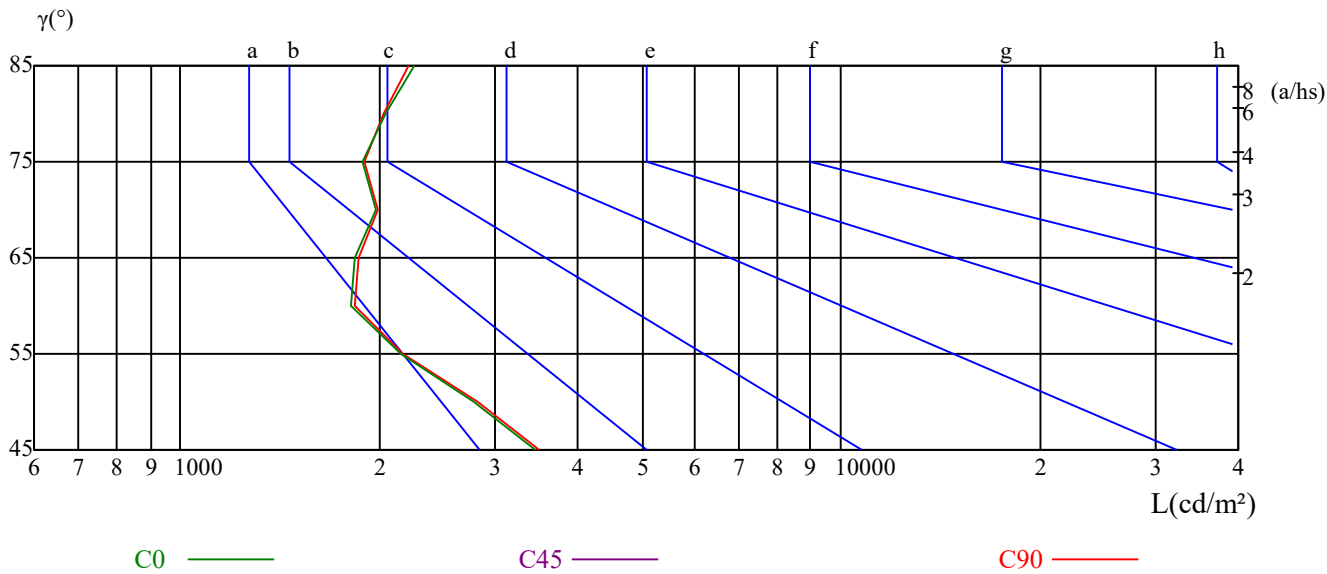
γ	45	50	55	60	65	70	75	80	85
C0	3449	2776	2151	1808	1835	1978	1886	2048	2256
C45	0	0	0	0	0	0	0	0	0
C90	3488	2810	2177	1834	1859	1996	1894	2030	2214

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1835	1859	0	1886	1894	0	2256	2214	0

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	14.57	16.02	14.93	16.33	16.64	14.62	16.06	14.98	16.38	16.69
	3H	15.75	17.05	16.14	17.39	17.73	15.80	17.10	16.19	17.44	17.78
	4H	16.35	17.57	16.75	17.92	18.28	16.40	17.62	16.80	17.97	18.33
	6H	16.96	18.08	17.37	18.45	18.85	16.99	18.12	17.40	18.49	18.88
	8H	17.22	18.30	17.63	18.68	19.08	17.25	18.33	17.66	18.71	19.11
	12H	17.44	18.47	17.86	18.86	19.27	17.45	18.49	17.87	18.87	19.29
4H	2H	14.86	16.07	15.25	16.42	16.78	14.90	16.11	15.29	16.46	16.83
	3H	16.25	17.28	16.67	17.67	18.08	16.30	17.33	16.72	17.71	18.12
	4H	17.07	17.97	17.50	18.39	18.83	17.11	18.01	17.54	18.43	18.87
	6H	17.82	18.63	18.28	19.07	19.51	17.84	18.65	18.31	19.09	19.54
	8H	18.20	18.95	18.67	19.40	19.87	18.21	18.97	18.69	19.41	19.88
	12H	18.52	19.22	19.00	19.67	20.17	18.52	19.22	19.00	19.67	20.17
8H	4H	17.31	18.06	17.79	18.51	18.98	17.35	18.10	17.82	18.55	19.01
	6H	18.23	18.86	18.72	19.33	19.83	18.25	18.88	18.74	19.35	19.85
	8H	18.77	19.32	19.29	19.83	20.32	18.78	19.33	19.29	19.84	20.33
	12H	19.21	19.67	19.73	20.18	20.69	19.20	19.66	19.72	20.17	20.68
12H	4H	17.35	18.05	17.83	18.49	19.00	17.39	18.09	17.87	18.53	19.04
	6H	18.37	18.92	18.88	19.43	19.92	18.38	18.94	18.90	19.45	19.94
	8H	18.92	19.38	19.44	19.89	20.40	18.92	19.38	19.45	19.89	20.40
Variation with the observer position at spacings:											
S = 1.0H		0.5/-0.8					0.5/-0.8				
S = 1.5H		0.9/-1.1					0.9/-1.1				
S = 2.0H		1.4/-1.0					1.4/-1.0				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		3.3					3.3				

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

C/γ(°)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
0.0	1542.90	1542.71	1542.29	1542.08	1541.60	1540.86	1540.21	1539.45	1538.54
30.0	1542.90	1543.26	1543.31	1543.03	1542.61	1542.02	1541.33	1540.56	1539.68
60.0	1542.90	1543.04	1542.98	1542.61	1542.30	1541.75	1541.07	1540.30	1539.38
90.0	1542.90	1543.40	1542.76	1541.93	1541.51	1540.81	1540.09	1539.23	1538.27
120.0	1542.90	1543.04	1542.98	1542.61	1542.30	1541.75	1541.07	1540.30	1539.38
150.0	1542.90	1543.26	1543.31	1543.03	1542.61	1542.02	1541.33	1540.56	1539.68
180.0	1542.90	1542.71	1542.29	1542.08	1541.60	1540.86	1540.21	1539.45	1538.54
210.0	1542.90	1543.26	1543.31	1543.03	1542.61	1542.02	1541.33	1540.56	1539.68
240.0	1542.90	1543.04	1542.98	1542.61	1542.30	1541.75	1541.07	1540.30	1539.38
270.0	1542.90	1543.40	1542.76	1541.93	1541.51	1540.81	1540.09	1539.23	1538.27
300.0	1542.90	1543.04	1542.98	1542.61	1542.30	1541.75	1541.07	1540.30	1539.38
330.0	1542.90	1543.26	1543.31	1543.03	1542.61	1542.02	1541.33	1540.56	1539.68
360.0	1542.90	1542.71	1542.29	1542.08	1541.60	1540.86	1540.21	1539.45	1538.54

C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	1537.48	1536.20	1534.82	1533.34	1531.90	1530.25	1528.40	1526.58	1524.63
30.0	1538.59	1537.35	1536.02	1534.55	1533.04	1531.39	1529.56	1527.67	1525.70
60.0	1538.38	1537.16	1535.84	1534.40	1532.86	1531.10	1529.29	1527.36	1525.37
90.0	1537.36	1536.10	1534.71	1533.25	1531.78	1529.90	1528.09	1526.23	1524.01
120.0	1538.38	1537.16	1535.84	1534.40	1532.86	1531.10	1529.29	1527.36	1525.37
150.0	1538.59	1537.35	1536.02	1534.55	1533.04	1531.39	1529.56	1527.67	1525.70
180.0	1537.48	1536.20	1534.82	1533.34	1531.90	1530.25	1528.40	1526.58	1524.63
210.0	1538.59	1537.35	1536.02	1534.55	1533.04	1531.39	1529.56	1527.67	1525.70
240.0	1538.38	1537.16	1535.84	1534.40	1532.86	1531.10	1529.29	1527.36	1525.37
270.0	1537.36	1536.10	1534.71	1533.25	1531.78	1529.90	1528.09	1526.23	1524.01
300.0	1538.38	1537.16	1535.84	1534.40	1532.86	1531.10	1529.29	1527.36	1525.37
330.0	1538.59	1537.35	1536.02	1534.55	1533.04	1531.39	1529.56	1527.67	1525.70
360.0	1537.48	1536.20	1534.82	1533.34	1531.90	1530.25	1528.40	1526.58	1524.63

C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	1522.44	1520.20	1517.88	1515.40	1512.76	1509.94	1507.11	1504.20	1501.36
30.0	1523.55	1521.29	1518.94	1516.49	1513.85	1511.10	1508.26	1505.24	1502.19
60.0	1523.30	1521.05	1518.77	1516.31	1513.63	1510.93	1507.97	1504.92	1501.76
90.0	1522.09	1519.87	1517.74	1515.17	1512.45	1509.71	1506.66	1503.72	1500.63
120.0	1523.30	1521.05	1518.77	1516.31	1513.63	1510.93	1507.97	1504.92	1501.76
150.0	1523.55	1521.29	1518.94	1516.49	1513.85	1511.10	1508.26	1505.24	1502.19
180.0	1522.44	1520.20	1517.88	1515.40	1512.76	1509.94	1507.11	1504.20	1501.36
210.0	1523.55	1521.29	1518.94	1516.49	1513.85	1511.10	1508.26	1505.24	1502.19
240.0	1523.30	1521.05	1518.77	1516.31	1513.63	1510.93	1507.97	1504.92	1501.76
270.0	1522.09	1519.87	1517.74	1515.17	1512.45	1509.71	1506.66	1503.72	1500.63
300.0	1523.30	1521.05	1518.77	1516.31	1513.63	1510.93	1507.97	1504.92	1501.76
330.0	1523.55	1521.29	1518.94	1516.49	1513.85	1511.10	1508.26	1505.24	1502.19
360.0	1522.44	1520.20	1517.88	1515.40	1512.76	1509.94	1507.11	1504.20	1501.36

C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	1498.12	1494.69	1491.17	1487.72	1483.96	1480.05	1476.08	1471.97	1467.80
30.0	1498.97	1495.51	1492.05	1488.56	1484.80	1480.85	1476.85	1472.76	1468.53
60.0	1498.42	1495.06	1491.62	1488.03	1484.24	1480.34	1476.27	1472.14	1467.96
90.0	1497.21	1493.86	1490.45	1486.80	1482.89	1479.21	1475.20	1470.78	1466.81
120.0	1498.42	1495.06	1491.62	1488.03	1484.24	1480.34	1476.27	1472.14	1467.96
150.0	1498.97	1495.51	1492.05	1488.56	1484.80	1480.85	1476.85	1472.76	1468.53
180.0	1498.12	1494.69	1491.17	1487.72	1483.96	1480.05	1476.08	1471.97	1467.80
210.0	1498.97	1495.51	1492.05	1488.56	1484.80	1480.85	1476.85	1472.76	1468.53
240.0	1498.42	1495.06	1491.62	1488.03	1484.24	1480.34	1476.27	1472.14	1467.96
270.0	1497.21	1493.86	1490.45	1486.80	1482.89	1479.21	1475.20	1470.78	1466.81
300.0	1498.42	1495.06	1491.62	1488.03	1484.24	1480.34	1476.27	1472.14	1467.96
330.0	1498.97	1495.51	1492.05	1488.56	1484.80	1480.85	1476.85	1472.76	1468.53
360.0	1498.12	1494.69	1491.17	1487.72	1483.96	1480.05	1476.08	1471.97	1467.80

Intensity data(cd)

Appendix Page: 17 Total:21

C/γ(°)	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0
0.0	1463.43	1458.92	1454.15	1449.28	1444.33	1439.36	1434.27	1428.87	1423.32
30.0	1464.17	1459.64	1454.90	1450.08	1445.08	1440.00	1434.94	1429.66	1424.17
60.0	1463.56	1458.95	1454.25	1449.44	1444.37	1439.26	1434.21	1429.02	1423.49
90.0	1462.36	1457.71	1452.91	1448.08	1443.08	1437.93	1432.99	1427.72	1422.13
120.0	1463.56	1458.95	1454.25	1449.44	1444.37	1439.26	1434.21	1429.02	1423.49
150.0	1464.17	1459.64	1454.90	1450.08	1445.08	1440.00	1434.94	1429.66	1424.17
180.0	1463.43	1458.92	1454.15	1449.28	1444.33	1439.36	1434.27	1428.87	1423.32
210.0	1464.17	1459.64	1454.90	1450.08	1445.08	1440.00	1434.94	1429.66	1424.17
240.0	1463.56	1458.95	1454.25	1449.44	1444.37	1439.26	1434.21	1429.02	1423.49
270.0	1462.36	1457.71	1452.91	1448.08	1443.08	1437.93	1432.99	1427.72	1422.13
300.0	1463.56	1458.95	1454.25	1449.44	1444.37	1439.26	1434.21	1429.02	1423.49
330.0	1464.17	1459.64	1454.90	1450.08	1445.08	1440.00	1434.94	1429.66	1424.17
360.0	1463.43	1458.92	1454.15	1449.28	1444.33	1439.36	1434.27	1428.87	1423.32

C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	1417.63	1411.66	1405.64	1399.33	1392.91	1386.23	1379.22	1372.19	1365.02
30.0	1418.45	1412.54	1406.58	1400.41	1394.02	1387.43	1380.58	1373.69	1366.58
60.0	1417.71	1411.80	1405.82	1399.74	1393.41	1386.88	1380.19	1373.21	1366.02
90.0	1416.27	1410.30	1404.29	1398.08	1391.85	1385.40	1378.50	1371.40	1364.10
120.0	1417.71	1411.80	1405.82	1399.74	1393.41	1386.88	1380.19	1373.21	1366.02
150.0	1418.45	1412.54	1406.58	1400.41	1394.02	1387.43	1380.58	1373.69	1366.58
180.0	1417.63	1411.66	1405.64	1399.33	1392.91	1386.23	1379.22	1372.19	1365.02
210.0	1418.45	1412.54	1406.58	1400.41	1394.02	1387.43	1380.58	1373.69	1366.58
240.0	1417.71	1411.80	1405.82	1399.74	1393.41	1386.88	1380.19	1373.21	1366.02
270.0	1416.27	1410.30	1404.29	1398.08	1391.85	1385.40	1378.50	1371.40	1364.10
300.0	1417.71	1411.80	1405.82	1399.74	1393.41	1386.88	1380.19	1373.21	1366.02
330.0	1418.45	1412.54	1406.58	1400.41	1394.02	1387.43	1380.58	1373.69	1366.58
360.0	1417.63	1411.66	1405.64	1399.33	1392.91	1386.23	1379.22	1372.19	1365.02

C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	1357.55	1349.97	1342.12	1334.06	1325.62	1316.95	1307.95	1298.69	1289.17
30.0	1359.24	1351.81	1344.08	1336.10	1327.82	1319.25	1310.41	1301.34	1291.97
60.0	1358.83	1351.38	1343.70	1335.75	1327.49	1318.95	1310.11	1301.09	1291.68
90.0	1356.86	1349.27	1341.59	1333.50	1325.13	1316.55	1307.54	1298.43	1288.82
120.0	1358.83	1351.38	1343.70	1335.75	1327.49	1318.95	1310.11	1301.09	1291.68
150.0	1359.24	1351.81	1344.08	1336.10	1327.82	1319.25	1310.41	1301.34	1291.97
180.0	1357.55	1349.97	1342.12	1334.06	1325.62	1316.95	1307.95	1298.69	1289.17
210.0	1359.24	1351.81	1344.08	1336.10	1327.82	1319.25	1310.41	1301.34	1291.97
240.0	1358.83	1351.38	1343.70	1335.75	1327.49	1318.95	1310.11	1301.09	1291.68
270.0	1356.86	1349.27	1341.59	1333.50	1325.13	1316.55	1307.54	1298.43	1288.82
300.0	1358.83	1351.38	1343.70	1335.75	1327.49	1318.95	1310.11	1301.09	1291.68
330.0	1359.24	1351.81	1344.08	1336.10	1327.82	1319.25	1310.41	1301.34	1291.97
360.0	1357.55	1349.97	1342.12	1334.06	1325.62	1316.95	1307.95	1298.69	1289.17

C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	1279.10	1268.49	1257.36	1245.51	1233.03	1219.75	1205.33	1189.83	1173.28
30.0	1282.15	1271.92	1261.27	1250.06	1238.36	1226.06	1212.95	1199.06	1184.35
60.0	1281.87	1271.70	1261.13	1250.07	1238.52	1226.24	1213.23	1199.46	1184.89
90.0	1278.79	1268.14	1257.49	1245.84	1233.70	1220.49	1206.32	1191.10	1174.93
120.0	1281.87	1271.70	1261.13	1250.07	1238.52	1226.24	1213.23	1199.46	1184.89
150.0	1282.15	1271.92	1261.27	1250.06	1238.36	1226.06	1212.95	1199.06	1184.35
180.0	1279.10	1268.49	1257.36	1245.51	1233.03	1219.75	1205.33	1189.83	1173.28
210.0	1282.15	1271.92	1261.27	1250.06	1238.36	1226.06	1212.95	1199.06	1184.35
240.0	1281.87	1271.70	1261.13	1250.07	1238.52	1226.24	1213.23	1199.46	1184.89
270.0	1278.79	1268.14	1257.49	1245.84	1233.70	1220.49	1206.32	1191.10	1174.93
300.0	1281.87	1271.70	1261.13	1250.07	1238.52	1226.24	1213.23	1199.46	1184.89
330.0	1282.15	1271.92	1261.27	1250.06	1238.36	1226.06	1212.95	1199.06	1184.35
360.0	1279.10	1268.49	1257.36	1245.51	1233.03	1219.75	1205.33	1189.83	1173.28

Intensity data(cd)

Appendix Page: 18 Total:21

C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	1155.48	1136.16	1115.46	1093.61	1070.36	1045.78	1020.34	994.11	967.27
30.0	1168.76	1152.13	1134.36	1115.57	1095.58	1074.40	1052.28	1028.99	1004.63
60.0	1169.48	1153.04	1135.55	1116.99	1097.09	1076.10	1054.26	1031.33	1007.22
90.0	1157.55	1138.75	1118.49	1097.27	1074.13	1049.90	1025.12	999.48	973.21
120.0	1169.48	1153.04	1135.55	1116.99	1097.09	1076.10	1054.26	1031.33	1007.22
150.0	1168.76	1152.13	1134.36	1115.57	1095.58	1074.40	1052.28	1028.99	1004.63
180.0	1155.48	1136.16	1115.46	1093.61	1070.36	1045.78	1020.34	994.11	967.27
210.0	1168.76	1152.13	1134.36	1115.57	1095.58	1074.40	1052.28	1028.99	1004.63
240.0	1169.48	1153.04	1135.55	1116.99	1097.09	1076.10	1054.26	1031.33	1007.22
270.0	1157.55	1138.75	1118.49	1097.27	1074.13	1049.90	1025.12	999.48	973.21
300.0	1169.48	1153.04	1135.55	1116.99	1097.09	1076.10	1054.26	1031.33	1007.22
330.0	1168.76	1152.13	1134.36	1115.57	1095.58	1074.40	1052.28	1028.99	1004.63
360.0	1155.48	1136.16	1115.46	1093.61	1070.36	1045.78	1020.34	994.11	967.27
C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	940.31	913.49	886.77	860.35	834.69	809.88	785.73	762.42	740.09
30.0	979.52	953.74	927.10	899.83	872.33	844.67	816.86	789.29	762.16
60.0	982.40	956.89	930.37	903.25	875.91	848.24	820.63	793.17	765.99
90.0	946.74	920.35	893.80	867.65	842.20	817.43	793.56	770.55	748.10
120.0	982.40	956.89	930.37	903.25	875.91	848.24	820.63	793.17	765.99
150.0	979.52	953.74	927.10	899.83	872.33	844.67	816.86	789.29	762.16
180.0	940.31	913.49	886.77	860.35	834.69	809.88	785.73	762.42	740.09
210.0	979.52	953.74	927.10	899.83	872.33	844.67	816.86	789.29	762.16
240.0	982.40	956.89	930.37	903.25	875.91	848.24	820.63	793.17	765.99
270.0	946.74	920.35	893.80	867.65	842.20	817.43	793.56	770.55	748.10
300.0	982.40	956.89	930.37	903.25	875.91	848.24	820.63	793.17	765.99
330.0	979.52	953.74	927.10	899.83	872.33	844.67	816.86	789.29	762.16
360.0	940.31	913.49	886.77	860.35	834.69	809.88	785.73	762.42	740.09
C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	718.28	697.08	676.61	656.77	637.34	618.13	599.29	580.55	561.90
30.0	735.22	708.74	683.06	658.25	634.13	610.66	588.06	566.19	545.04
60.0	739.12	712.62	687.00	662.04	637.85	614.33	591.65	569.79	548.45
90.0	726.39	705.17	684.67	664.55	644.97	625.70	606.55	587.69	568.84
120.0	739.12	712.62	687.00	662.04	637.85	614.33	591.65	569.79	548.45
150.0	735.22	708.74	683.06	658.25	634.13	610.66	588.06	566.19	545.04
180.0	718.28	697.08	676.61	656.77	637.34	618.13	599.29	580.55	561.90
210.0	735.22	708.74	683.06	658.25	634.13	610.66	588.06	566.19	545.04
240.0	739.12	712.62	687.00	662.04	637.85	614.33	591.65	569.79	548.45
270.0	726.39	705.17	684.67	664.55	644.97	625.70	606.55	587.69	568.84
300.0	739.12	712.62	687.00	662.04	637.85	614.33	591.65	569.79	548.45
330.0	735.22	708.74	683.06	658.25	634.13	610.66	588.06	566.19	545.04
360.0	718.28	697.08	676.61	656.77	637.34	618.13	599.29	580.55	561.90
C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	543.63	525.62	507.70	489.99	472.52	455.17	438.11	421.82	406.29
30.0	524.62	504.68	485.03	466.00	448.03	430.69	413.93	398.14	383.13
60.0	527.91	507.81	488.12	469.13	451.03	433.60	416.83	400.81	385.59
90.0	550.35	531.95	513.88	496.14	478.51	460.94	443.70	426.93	411.19
120.0	527.91	507.81	488.12	469.13	451.03	433.60	416.83	400.81	385.59
150.0	524.62	504.68	485.03	466.00	448.03	430.69	413.93	398.14	383.13
180.0	543.63	525.62	507.70	489.99	472.52	455.17	438.11	421.82	406.29
210.0	524.62	504.68	485.03	466.00	448.03	430.69	413.93	398.14	383.13
240.0	527.91	507.81	488.12	469.13	451.03	433.60	416.83	400.81	385.59
270.0	550.35	531.95	513.88	496.14	478.51	460.94	443.70	426.93	411.19
300.0	527.91	507.81	488.12	469.13	451.03	433.60	416.83	400.81	385.59
330.0	524.62	504.68	485.03	466.00	448.03	430.69	413.93	398.14	383.13
360.0	543.63	525.62	507.70	489.99	472.52	455.17	438.11	421.82	406.29

Intensity data(cd)

Appendix Page: 19 Total:21

C/γ(°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	391.30	377.00	363.31	350.29	338.00	326.39	315.51	305.34	296.06
30.0	368.75	355.09	342.08	329.71	318.01	306.96	296.44	286.42	277.03
60.0	371.13	357.36	344.30	331.86	320.15	309.11	298.59	288.61	279.16
90.0	395.97	381.59	367.80	354.65	342.32	330.76	319.89	309.74	300.43
120.0	371.13	357.36	344.30	331.86	320.15	309.11	298.59	288.61	279.16
150.0	368.75	355.09	342.08	329.71	318.01	306.96	296.44	286.42	277.03
180.0	391.30	377.00	363.31	350.29	338.00	326.39	315.51	305.34	296.06
210.0	368.75	355.09	342.08	329.71	318.01	306.96	296.44	286.42	277.03
240.0	371.13	357.36	344.30	331.86	320.15	309.11	298.59	288.61	279.16
270.0	395.97	381.59	367.80	354.65	342.32	330.76	319.89	309.74	300.43
300.0	371.13	357.36	344.30	331.86	320.15	309.11	298.59	288.61	279.16
330.0	368.75	355.09	342.08	329.71	318.01	306.96	296.44	286.42	277.03
360.0	391.30	377.00	363.31	350.29	338.00	326.39	315.51	305.34	296.06

C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	287.49	279.61	272.55	266.22	260.51	255.33	250.78	246.70	242.89
30.0	268.19	259.86	252.05	244.70	237.74	231.21	225.18	219.53	214.22
60.0	270.24	261.83	253.96	246.51	239.50	232.93	226.85	221.11	215.67
90.0	291.66	283.72	276.58	270.06	264.25	259.01	254.44	250.28	246.32
120.0	270.24	261.83	253.96	246.51	239.50	232.93	226.85	221.11	215.67
150.0	268.19	259.86	252.05	244.70	237.74	231.21	225.18	219.53	214.22
180.0	287.49	279.61	272.55	266.22	260.51	255.33	250.78	246.70	242.89
210.0	268.19	259.86	252.05	244.70	237.74	231.21	225.18	219.53	214.22
240.0	270.24	261.83	253.96	246.51	239.50	232.93	226.85	221.11	215.67
270.0	291.66	283.72	276.58	270.06	264.25	259.01	254.44	250.28	246.32
300.0	270.24	261.83	253.96	246.51	239.50	232.93	226.85	221.11	215.67
330.0	268.19	259.86	252.05	244.70	237.74	231.21	225.18	219.53	214.22
360.0	287.49	279.61	272.55	266.22	260.51	255.33	250.78	246.70	242.89

C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	239.32	236.04	233.24	230.74	228.40	226.18	224.05	221.87	219.60
30.0	209.23	204.61	200.43	196.64	193.17	190.01	187.09	184.36	181.75
60.0	210.60	205.98	201.78	197.94	194.41	191.21	188.21	185.42	182.75
90.0	242.53	239.26	236.42	233.87	231.42	229.14	226.83	224.55	222.15
120.0	210.60	205.98	201.78	197.94	194.41	191.21	188.21	185.42	182.75
150.0	209.23	204.61	200.43	196.64	193.17	190.01	187.09	184.36	181.75
180.0	239.32	236.04	233.24	230.74	228.40	226.18	224.05	221.87	219.60
210.0	209.23	204.61	200.43	196.64	193.17	190.01	187.09	184.36	181.75
240.0	210.60	205.98	201.78	197.94	194.41	191.21	188.21	185.42	182.75
270.0	242.53	239.26	236.42	233.87	231.42	229.14	226.83	224.55	222.15
300.0	210.60	205.98	201.78	197.94	194.41	191.21	188.21	185.42	182.75
330.0	209.23	204.61	200.43	196.64	193.17	190.01	187.09	184.36	181.75
360.0	239.32	236.04	233.24	230.74	228.40	226.18	224.05	221.87	219.60

C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	217.14	214.37	211.28	207.76	203.75	199.26	194.35	189.02	183.34
30.0	179.19	176.60	173.98	171.25	168.38	165.35	162.18	158.87	155.43
60.0	180.11	177.47	174.77	171.98	169.07	166.00	162.82	159.50	156.04
90.0	219.55	216.68	213.46	209.80	205.70	201.09	196.12	190.71	184.92
120.0	180.11	177.47	174.77	171.98	169.07	166.00	162.82	159.50	156.04
150.0	179.19	176.60	173.98	171.25	168.38	165.35	162.18	158.87	155.43
180.0	217.14	214.37	211.28	207.76	203.75	199.26	194.35	189.02	183.34
210.0	179.19	176.60	173.98	171.25	168.38	165.35	162.18	158.87	155.43
240.0	180.11	177.47	174.77	171.98	169.07	166.00	162.82	159.50	156.04
270.0	219.55	216.68	213.46	209.80	205.70	201.09	196.12	190.71	184.92
300.0	180.11	177.47	174.77	171.98	169.07	166.00	162.82	159.50	156.04
330.0	179.19	176.60	173.98	171.25	168.38	165.35	162.18	158.87	155.43
360.0	217.14	214.37	211.28	207.76	203.75	199.26	194.35	189.02	183.34

C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	177.50	171.54	165.56	159.72	154.11	148.78	143.78	139.12	134.76
30.0	151.94	148.40	144.80	141.22	137.70	134.21	130.77	127.39	124.03
60.0	152.54	148.99	145.37	141.76	138.18	134.59	131.05	127.60	124.13
90.0	178.99	172.97	166.88	160.91	155.18	149.58	144.37	139.57	134.99
120.0	152.54	148.99	145.37	141.76	138.18	134.59	131.05	127.60	124.13
150.0	151.94	148.40	144.80	141.22	137.70	134.21	130.77	127.39	124.03
180.0	177.50	171.54	165.56	159.72	154.11	148.78	143.78	139.12	134.76
210.0	151.94	148.40	144.80	141.22	137.70	134.21	130.77	127.39	124.03
240.0	152.54	148.99	145.37	141.76	138.18	134.59	131.05	127.60	124.13
270.0	178.99	172.97	166.88	160.91	155.18	149.58	144.37	139.57	134.99
300.0	152.54	148.99	145.37	141.76	138.18	134.59	131.05	127.60	124.13
330.0	151.94	148.40	144.80	141.22	137.70	134.21	130.77	127.39	124.03
360.0	177.50	171.54	165.56	159.72	154.11	148.78	143.78	139.12	134.76
C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	130.68	126.82	123.10	119.44	115.82	112.19	108.49	104.73	100.95
30.0	120.69	117.35	113.97	110.51	106.98	103.36	99.64	95.81	91.94
60.0	120.68	117.22	113.74	110.20	106.60	102.96	99.19	95.34	91.44
90.0	130.69	126.59	122.68	118.87	115.12	111.43	107.65	103.81	99.98
120.0	120.68	117.22	113.74	110.20	106.60	102.96	99.19	95.34	91.44
150.0	120.69	117.35	113.97	110.51	106.98	103.36	99.64	95.81	91.94
180.0	130.68	126.82	123.10	119.44	115.82	112.19	108.49	104.73	100.95
210.0	120.69	117.35	113.97	110.51	106.98	103.36	99.64	95.81	91.94
240.0	120.68	117.22	113.74	110.20	106.60	102.96	99.19	95.34	91.44
270.0	130.69	126.59	122.68	118.87	115.12	111.43	107.65	103.81	99.98
300.0	120.68	117.22	113.74	110.20	106.60	102.96	99.19	95.34	91.44
330.0	120.69	117.35	113.97	110.51	106.98	103.36	99.64	95.81	91.94
360.0	130.68	126.82	123.10	119.44	115.82	112.19	108.49	104.73	100.95
C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	97.14	93.21	89.15	84.90	80.31	75.30	69.87	64.06	57.90
30.0	88.00	83.95	79.80	75.55	71.12	66.43	61.51	56.38	51.07
60.0	87.46	83.38	79.19	74.91	70.45	65.78	60.91	55.82	50.56
90.0	96.10	92.10	87.94	83.68	79.03	74.03	68.74	62.95	56.83
120.0	87.46	83.38	79.19	74.91	70.45	65.78	60.91	55.82	50.56
150.0	88.00	83.95	79.80	75.55	71.12	66.43	61.51	56.38	51.07
180.0	97.14	93.21	89.15	84.90	80.31	75.30	69.87	64.06	57.90
210.0	88.00	83.95	79.80	75.55	71.12	66.43	61.51	56.38	51.07
240.0	87.46	83.38	79.19	74.91	70.45	65.78	60.91	55.82	50.56
270.0	96.10	92.10	87.94	83.68	79.03	74.03	68.74	62.95	56.83
300.0	87.46	83.38	79.19	74.91	70.45	65.78	60.91	55.82	50.56
330.0	88.00	83.95	79.80	75.55	71.12	66.43	61.51	56.38	51.07
360.0	97.14	93.21	89.15	84.90	80.31	75.30	69.87	64.06	57.90
C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	51.52	45.00	38.47	32.10	25.99	20.33	15.15	10.57	6.87
30.0	45.63	40.08	34.51	28.99	23.62	18.51	13.68	9.36	5.96
60.0	45.17	39.70	34.18	28.75	23.41	18.33	13.55	9.31	6.03
90.0	50.53	44.14	37.64	31.43	25.40	19.83	14.77	10.36	6.93
120.0	45.17	39.70	34.18	28.75	23.41	18.33	13.55	9.31	6.03
150.0	45.63	40.08	34.51	28.99	23.62	18.51	13.68	9.36	5.96
180.0	51.52	45.00	38.47	32.10	25.99	20.33	15.15	10.57	6.87
210.0	45.63	40.08	34.51	28.99	23.62	18.51	13.68	9.36	5.96
240.0	45.17	39.70	34.18	28.75	23.41	18.33	13.55	9.31	6.03
270.0	50.53	44.14	37.64	31.43	25.40	19.83	14.77	10.36	6.93
300.0	45.17	39.70	34.18	28.75	23.41	18.33	13.55	9.31	6.03
330.0	45.63	40.08	34.51	28.99	23.62	18.51	13.68	9.36	5.96
360.0	51.52	45.00	38.47	32.10	25.99	20.33	15.15	10.57	6.87

Intensity data(cd)

Appendix Page: 21 Total:21

C/γ(°)	90.0
0.0	1.30
30.0	1.10
60.0	1.53
90.0	4.17
120.0	1.53
150.0	1.10
180.0	1.30
210.0	1.10
240.0	1.53
270.0	4.17
300.0	1.53
330.0	1.10
360.0	1.30