

Report No	:		Voltage	: 230 V
Test No	:	C2222110A001	Current	: 0.0391 A
LumCAT	:	LIT by CARDI	Power	: 3.600 W
Luminaire	:	0019590051 LASPE01 3.6W 2700K 470lm	PF	: 0.4
LampCAT	:		Ballast type	:
Lamp flux	:	460.0 lm	Width	: -18 mm
Number of Lamps	:	1	Length	: -18 mm
Phm Type	:	C	Height	: 34 mm

Photometric Results

Lumens(lm)	: 460.00	Central intensity(cd)	: 16.530
Efficiency(%)	: 100.00%	Maximum intensity(cd)	: 45.457
Luminous Efficacy(lm/W)	: 127.78	Angle of maximum intensity	: C=0.0 γ =65.0
Beam Angle(50%Imax)	: [C0/180]Total=320.2 [C90/270]Total=320.2		
Field angle(10%Imax)	: [C0/180]Total=329.2 [C90/270]Total=329.2		
Maximum s/h(1/2)	: C0_180=2.87 C90_270=2.87		
Maximum s/h(1/4)	: C0_180=2.81 C90_270=2.81		
Up flux rate of lamp(%)	: 45.07%		
Down flux rate of lamp(%)	: 54.93%		
Up flux rate of LUM(%)	: 45.07%		
Down flux rate of LUM(%)	: 54.93%		
CIE Type	: General diffuse lighting		
Output flux ratio in π solid angle :	: 24.360%		

Zonal flux distribution table

Appendix Page: 2 Total:34

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	16.530	0.000	0	0.00%	0.00%
0.5	16.495	0.004	0.004	0.00%	0.00%
1.0	16.474	0.012	0.016	0.00%	0.00%
1.5	16.475	0.020	0.035	0.00%	0.01%
2.0	16.472	0.028	0.063	0.01%	0.01%
2.5	16.465	0.035	0.099	0.01%	0.02%
3.0	16.462	0.043	0.142	0.01%	0.03%
3.5	16.470	0.051	0.193	0.01%	0.04%
4.0	16.482	0.059	0.252	0.01%	0.05%
4.5	16.496	0.067	0.319	0.01%	0.07%
5.0	16.506	0.075	0.394	0.02%	0.09%
5.5	16.514	0.083	0.477	0.02%	0.10%
6.0	16.526	0.091	0.568	0.02%	0.12%
6.5	16.544	0.099	0.666	0.02%	0.14%
7.0	16.565	0.107	0.773	0.02%	0.17%
7.5	16.604	0.115	0.888	0.02%	0.19%
8.0	16.661	0.123	1.011	0.03%	0.22%
8.5	16.744	0.131	1.142	0.03%	0.25%
9.0	16.852	0.140	1.282	0.03%	0.28%
9.5	16.964	0.149	1.431	0.03%	0.31%
10.0	17.083	0.158	1.589	0.03%	0.35%
10.5	17.215	0.167	1.757	0.04%	0.38%
11.0	17.378	0.177	1.934	0.04%	0.42%
11.5	17.575	0.187	2.121	0.04%	0.46%
12.0	17.782	0.197	2.318	0.04%	0.50%
12.5	18.000	0.208	2.526	0.05%	0.55%
13.0	18.230	0.219	2.745	0.05%	0.60%
13.5	18.471	0.231	2.976	0.05%	0.65%
14.0	18.719	0.242	3.218	0.05%	0.70%
14.5	18.990	0.254	3.473	0.06%	0.75%
15.0	19.296	0.267	3.74	0.06%	0.81%
15.5	19.623	0.281	4.021	0.06%	0.87%
16.0	19.966	0.295	4.315	0.06%	0.94%
16.5	20.331	0.309	4.624	0.07%	1.01%
17.0	20.695	0.324	4.948	0.07%	1.08%
17.5	21.068	0.340	5.288	0.07%	1.15%
18.0	21.436	0.355	5.643	0.08%	1.23%
18.5	21.796	0.371	6.014	0.08%	1.31%

Zonal flux distribution table

Appendix Page: 3 Total:34

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
19.0	22.145	0.387	6.402	0.08%	1.39%
19.5	22.492	0.403	6.805	0.09%	1.48%
20.0	22.844	0.420	7.225	0.09%	1.57%
20.5	23.196	0.437	7.662	0.09%	1.67%
21.0	23.548	0.454	8.116	0.10%	1.76%
21.5	23.908	0.472	8.588	0.10%	1.87%
22.0	24.266	0.489	9.077	0.11%	1.97%
22.5	24.633	0.508	9.585	0.11%	2.08%
23.0	25.010	0.526	10.111	0.11%	2.20%
23.5	25.385	0.545	10.656	0.12%	2.32%
24.0	25.752	0.565	11.221	0.12%	2.44%
24.5	26.123	0.584	11.805	0.13%	2.57%
25.0	26.499	0.604	12.409	0.13%	2.70%
25.5	26.875	0.624	13.033	0.14%	2.83%
26.0	27.251	0.645	13.678	0.14%	2.97%
26.5	27.628	0.665	14.343	0.14%	3.12%
27.0	28.005	0.686	15.03	0.15%	3.27%
27.5	28.386	0.708	15.738	0.15%	3.42%
28.0	28.770	0.730	16.467	0.16%	3.58%
28.5	29.159	0.752	17.219	0.16%	3.74%
29.0	29.546	0.774	17.993	0.17%	3.91%
29.5	29.932	0.797	18.79	0.17%	4.08%
30.0	30.318	0.820	19.609	0.18%	4.26%
30.5	30.714	0.843	20.452	0.18%	4.45%
31.0	31.114	0.867	21.319	0.19%	4.63%
31.5	31.518	0.891	22.21	0.19%	4.83%
32.0	31.911	0.915	23.125	0.20%	5.03%
32.5	32.306	0.939	24.064	0.20%	5.23%
33.0	32.700	0.964	25.028	0.21%	5.44%
33.5	33.086	0.989	26.017	0.21%	5.66%
34.0	33.469	1.014	27.031	0.22%	5.88%
34.5	33.850	1.039	28.07	0.23%	6.10%
35.0	34.233	1.064	29.134	0.23%	6.33%
35.5	34.622	1.089	30.223	0.24%	6.57%
36.0	35.006	1.115	31.338	0.24%	6.81%
36.5	35.396	1.141	32.48	0.25%	7.06%
37.0	35.781	1.168	33.647	0.25%	7.31%
37.5	36.142	1.194	34.841	0.26%	7.57%

Zonal flux distribution table

Appendix Page: 4 Total:34

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	36.477	1.219	36.06	0.26%	7.84%
38.5	36.789	1.244	37.303	0.27%	8.11%
39.0	37.096	1.268	38.571	0.28%	8.38%
39.5	37.407	1.292	39.863	0.28%	8.67%
40.0	37.715	1.317	41.18	0.29%	8.95%
40.5	38.018	1.342	42.522	0.29%	9.24%
41.0	38.312	1.366	43.888	0.30%	9.54%
41.5	38.603	1.390	45.278	0.30%	9.84%
42.0	38.885	1.415	46.693	0.31%	10.15%
42.5	39.162	1.439	48.131	0.31%	10.46%
43.0	39.427	1.463	49.594	0.32%	10.78%
43.5	39.686	1.486	51.08	0.32%	11.10%
44.0	39.946	1.510	52.59	0.33%	11.43%
44.5	40.198	1.533	54.123	0.33%	11.77%
45.0	40.443	1.556	55.679	0.34%	12.10%
45.5	40.679	1.579	57.259	0.34%	12.45%
46.0	40.910	1.602	58.861	0.35%	12.80%
46.5	41.130	1.625	60.486	0.35%	13.15%
47.0	41.347	1.647	62.133	0.36%	13.51%
47.5	41.559	1.669	63.802	0.36%	13.87%
48.0	41.767	1.691	65.493	0.37%	14.24%
48.5	41.970	1.713	67.205	0.37%	14.61%
49.0	42.171	1.734	68.94	0.38%	14.99%
49.5	42.368	1.756	70.695	0.38%	15.37%
50.0	42.566	1.777	72.473	0.39%	15.75%
50.5	42.756	1.798	74.271	0.39%	16.15%
51.0	42.943	1.819	76.09	0.40%	16.54%
51.5	43.125	1.840	77.931	0.40%	16.94%
52.0	43.302	1.861	79.791	0.40%	17.35%
52.5	43.474	1.881	81.672	0.41%	17.75%
53.0	43.638	1.901	83.574	0.41%	18.17%
53.5	43.796	1.921	85.494	0.42%	18.59%
54.0	43.948	1.940	87.434	0.42%	19.01%
54.5	44.085	1.959	89.393	0.43%	19.43%
55.0	44.215	1.977	91.37	0.43%	19.86%
55.5	44.338	1.995	93.364	0.43%	20.30%
56.0	44.450	2.012	95.377	0.44%	20.73%
56.5	44.556	2.029	97.405	0.44%	21.18%

Zonal flux distribution table

Appendix Page: 5 Total:34

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
57.0	44.664	2.046	99.451	0.44%	21.62%
57.5	44.761	2.062	101.513	0.45%	22.07%
58.0	44.854	2.078	103.591	0.45%	22.52%
58.5	44.942	2.093	105.684	0.46%	22.97%
59.0	45.026	2.109	107.793	0.46%	23.43%
59.5	45.104	2.124	109.916	0.46%	23.89%
60.0	45.176	2.138	112.054	0.46%	24.36%
60.5	45.238	2.152	114.206	0.47%	24.83%
61.0	45.281	2.165	116.372	0.47%	25.30%
61.5	45.320	2.178	118.549	0.47%	25.77%
62.0	45.351	2.190	120.739	0.48%	26.25%
62.5	45.378	2.201	122.94	0.48%	26.73%
63.0	45.397	2.212	125.153	0.48%	27.21%
63.5	45.406	2.223	127.376	0.48%	27.69%
64.0	45.428	2.233	129.609	0.49%	28.18%
64.5	45.448	2.244	131.853	0.49%	28.66%
65.0	45.457	2.254	134.107	0.49%	29.15%
65.5	45.445	2.263	136.37	0.49%	29.65%
66.0	45.420	2.271	138.642	0.49%	30.14%
66.5	45.381	2.279	140.92	0.50%	30.63%
67.0	45.331	2.285	143.205	0.50%	31.13%
67.5	45.284	2.291	145.496	0.50%	31.63%
68.0	45.240	2.297	147.793	0.50%	32.13%
68.5	45.194	2.303	150.096	0.50%	32.63%
69.0	45.159	2.309	152.405	0.50%	33.13%
69.5	45.138	2.315	154.72	0.50%	33.63%
70.0	45.118	2.321	157.041	0.50%	34.14%
70.5	45.085	2.327	159.369	0.51%	34.65%
71.0	45.035	2.333	161.701	0.51%	35.15%
71.5	44.966	2.336	164.038	0.51%	35.66%
72.0	44.892	2.340	166.377	0.51%	36.17%
72.5	44.821	2.342	168.72	0.51%	36.68%
73.0	44.755	2.345	171.065	0.51%	37.19%
73.5	44.697	2.348	173.413	0.51%	37.70%
74.0	44.649	2.352	175.765	0.51%	38.21%
74.5	44.607	2.355	178.12	0.51%	38.72%
75.0	44.564	2.359	180.479	0.51%	39.23%
75.5	44.519	2.362	182.84	0.51%	39.75%

Zonal flux distribution table

Appendix Page: 6 Total:34

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	44.480	2.365	185.205	0.51%	40.26%
76.5	44.448	2.368	187.573	0.51%	40.78%
77.0	44.416	2.371	189.945	0.52%	41.29%
77.5	44.384	2.374	192.319	0.52%	41.81%
78.0	44.351	2.377	194.697	0.52%	42.33%
78.5	44.321	2.380	197.077	0.52%	42.84%
79.0	44.293	2.383	199.459	0.52%	43.36%
79.5	44.271	2.385	201.845	0.52%	43.88%
80.0	44.263	2.388	204.233	0.52%	44.40%
80.5	44.260	2.392	206.625	0.52%	44.92%
81.0	44.263	2.395	209.02	0.52%	45.44%
81.5	44.271	2.399	211.419	0.52%	45.96%
82.0	44.276	2.402	213.822	0.52%	46.48%
82.5	44.287	2.406	216.228	0.52%	47.01%
83.0	44.304	2.409	218.637	0.52%	47.53%
83.5	44.319	2.413	221.05	0.52%	48.05%
84.0	44.341	2.416	223.466	0.53%	48.58%
84.5	44.368	2.420	225.886	0.53%	49.11%
85.0	44.399	2.423	228.309	0.53%	49.63%
85.5	44.428	2.427	230.736	0.53%	50.16%
86.0	44.458	2.430	233.166	0.53%	50.69%
86.5	44.480	2.433	235.599	0.53%	51.22%
87.0	44.505	2.436	238.035	0.53%	51.75%
87.5	44.525	2.438	240.473	0.53%	52.28%
88.0	44.544	2.440	242.913	0.53%	52.81%
88.5	44.559	2.442	245.354	0.53%	53.34%
89.0	44.573	2.443	247.797	0.53%	53.87%
89.5	44.584	2.444	250.241	0.53%	54.40%
90.0	44.592	2.445	252.686	0.53%	54.93%
90.5	44.595	2.445	255.131	0.53%	55.46%
91.0	44.595	2.445	257.576	0.53%	55.99%
91.5	44.590	2.444	260.021	0.53%	56.53%
92.0	44.584	2.444	262.464	0.53%	57.06%
92.5	44.578	2.443	264.907	0.53%	57.59%
93.0	44.566	2.441	267.348	0.53%	58.12%
93.5	44.550	2.439	269.787	0.53%	58.65%
94.0	44.525	2.437	272.224	0.53%	59.18%
94.5	44.490	2.434	274.658	0.53%	59.71%

Zonal flux distribution table

Appendix Page: 7 Total:34

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
95.0	44.458	2.430	277.088	0.53%	60.24%
95.5	44.421	2.426	279.514	0.53%	60.76%
96.0	44.379	2.422	281.937	0.53%	61.29%
96.5	44.329	2.418	284.354	0.53%	61.82%
97.0	44.275	2.412	286.766	0.52%	62.34%
97.5	44.221	2.407	289.173	0.52%	62.86%
98.0	44.157	2.401	291.574	0.52%	63.39%
98.5	44.090	2.394	293.968	0.52%	63.91%
99.0	44.023	2.388	296.356	0.52%	64.43%
99.5	43.946	2.380	298.736	0.52%	64.94%
100.0	43.862	2.373	301.109	0.52%	65.46%
100.5	43.776	2.364	303.473	0.51%	65.97%
101.0	43.683	2.356	305.829	0.51%	66.48%
101.5	43.587	2.347	308.175	0.51%	66.99%
102.0	43.479	2.337	310.512	0.51%	67.50%
102.5	43.368	2.327	312.839	0.51%	68.01%
103.0	43.251	2.316	315.155	0.50%	68.51%
103.5	43.129	2.305	317.46	0.50%	69.01%
104.0	43.008	2.294	319.754	0.50%	69.51%
104.5	42.882	2.282	322.036	0.50%	70.01%
105.0	42.760	2.271	324.307	0.49%	70.50%
105.5	42.629	2.259	326.565	0.49%	70.99%
106.0	42.493	2.246	328.811	0.49%	71.48%
106.5	42.360	2.233	331.045	0.49%	71.97%
107.0	42.221	2.220	333.265	0.48%	72.45%
107.5	42.077	2.207	335.472	0.48%	72.93%
108.0	41.929	2.193	337.666	0.48%	73.41%
108.5	41.777	2.179	339.845	0.47%	73.88%
109.0	41.620	2.165	342.01	0.47%	74.35%
109.5	41.458	2.150	344.16	0.47%	74.82%
110.0	41.290	2.135	346.296	0.46%	75.28%
110.5	41.117	2.120	348.415	0.46%	75.74%
111.0	40.948	2.104	350.519	0.46%	76.20%
111.5	40.771	2.088	352.607	0.45%	76.65%
112.0	40.592	2.072	354.679	0.45%	77.10%
112.5	40.402	2.055	356.734	0.45%	77.55%
113.0	40.217	2.038	358.772	0.44%	77.99%
113.5	40.025	2.021	360.794	0.44%	78.43%

Zonal flux distribution table

Appendix Page: 8 Total:34

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	39.834	2.004	362.797	0.44%	78.87%
114.5	39.635	1.986	364.784	0.43%	79.30%
115.0	39.436	1.969	366.753	0.43%	79.73%
115.5	39.234	1.951	368.703	0.42%	80.15%
116.0	39.028	1.933	370.636	0.42%	80.57%
116.5	38.821	1.914	372.55	0.42%	80.99%
117.0	38.610	1.896	374.446	0.41%	81.40%
117.5	38.396	1.877	376.322	0.41%	81.81%
118.0	38.181	1.858	378.18	0.40%	82.21%
118.5	37.960	1.839	380.019	0.40%	82.61%
119.0	37.740	1.820	381.839	0.40%	83.01%
119.5	37.517	1.800	383.639	0.39%	83.40%
120.0	37.291	1.781	385.419	0.39%	83.79%
120.5	37.063	1.761	387.18	0.38%	84.17%
121.0	36.829	1.741	388.921	0.38%	84.55%
121.5	36.599	1.721	390.642	0.37%	84.92%
122.0	36.364	1.701	392.343	0.37%	85.29%
122.5	36.125	1.681	394.024	0.37%	85.66%
123.0	35.885	1.660	395.684	0.36%	86.02%
123.5	35.642	1.640	397.324	0.36%	86.37%
124.0	35.392	1.619	398.944	0.35%	86.73%
124.5	35.142	1.598	400.542	0.35%	87.07%
125.0	34.884	1.577	402.119	0.34%	87.42%
125.5	34.624	1.556	403.675	0.34%	87.76%
126.0	34.361	1.535	405.21	0.33%	88.09%
126.5	34.091	1.513	406.724	0.33%	88.42%
127.0	33.813	1.492	408.215	0.32%	88.74%
127.5	33.538	1.470	409.685	0.32%	89.06%
128.0	33.256	1.448	411.133	0.31%	89.38%
128.5	32.969	1.426	412.559	0.31%	89.69%
129.0	32.679	1.404	413.963	0.31%	89.99%
129.5	32.386	1.381	415.344	0.30%	90.29%
130.0	32.097	1.359	416.703	0.30%	90.59%
130.5	31.802	1.337	418.04	0.29%	90.88%
131.0	31.502	1.315	419.355	0.29%	91.16%
131.5	31.204	1.292	420.647	0.28%	91.45%
132.0	30.897	1.270	421.918	0.28%	91.72%
132.5	30.588	1.248	423.165	0.27%	91.99%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
133.0	30.275	1.225	424.391	0.27%	92.26%
133.5	29.964	1.203	425.593	0.26%	92.52%
134.0	29.647	1.181	426.774	0.26%	92.78%
134.5	29.326	1.158	427.932	0.25%	93.03%
135.0	29.001	1.136	429.068	0.25%	93.28%
135.5	28.665	1.113	430.181	0.24%	93.52%
136.0	28.330	1.090	431.271	0.24%	93.75%
136.5	27.990	1.068	432.339	0.23%	93.99%
137.0	27.649	1.045	433.384	0.23%	94.21%
137.5	27.305	1.023	434.407	0.22%	94.44%
138.0	26.956	1.000	435.407	0.22%	94.65%
138.5	26.602	0.978	436.385	0.21%	94.87%
139.0	26.244	0.955	437.34	0.21%	95.07%
139.5	25.884	0.933	438.273	0.20%	95.28%
140.0	25.517	0.911	439.183	0.20%	95.47%
140.5	25.148	0.888	440.071	0.19%	95.67%
141.0	24.779	0.866	440.937	0.19%	95.86%
141.5	24.402	0.844	441.781	0.18%	96.04%
142.0	24.023	0.822	442.603	0.18%	96.22%
142.5	23.642	0.800	443.403	0.17%	96.39%
143.0	23.264	0.778	444.182	0.17%	96.56%
143.5	22.883	0.757	444.939	0.16%	96.73%
144.0	22.496	0.736	445.674	0.16%	96.89%
144.5	22.107	0.714	446.389	0.16%	97.04%
145.0	21.716	0.693	447.082	0.15%	97.19%
145.5	21.323	0.673	447.755	0.15%	97.34%
146.0	20.924	0.652	448.407	0.14%	97.48%
146.5	20.519	0.631	449.038	0.14%	97.62%
147.0	20.113	0.611	449.649	0.13%	97.75%
147.5	19.701	0.590	450.239	0.13%	97.88%
148.0	19.288	0.570	450.809	0.12%	98.00%
148.5	18.872	0.551	451.36	0.12%	98.12%
149.0	18.457	0.531	451.891	0.12%	98.24%
149.5	18.035	0.512	452.402	0.11%	98.35%
150.0	17.612	0.492	452.895	0.11%	98.46%
150.5	17.194	0.474	453.368	0.10%	98.56%
151.0	16.765	0.455	453.823	0.10%	98.66%
151.5	16.336	0.436	454.26	0.09%	98.75%

Zonal flux distribution table

Appendix Page: 10 Total:34

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	15.912	0.418	454.678	0.09%	98.84%
152.5	15.485	0.401	455.079	0.09%	98.93%
153.0	15.055	0.383	455.462	0.08%	99.01%
153.5	14.627	0.366	455.828	0.08%	99.09%
154.0	14.192	0.349	456.178	0.08%	99.17%
154.5	13.759	0.333	456.511	0.07%	99.24%
155.0	13.325	0.317	456.828	0.07%	99.31%
155.5	12.889	0.301	457.128	0.07%	99.38%
156.0	12.458	0.285	457.414	0.06%	99.44%
156.5	12.023	0.270	457.684	0.06%	99.50%
157.0	11.576	0.255	457.939	0.06%	99.55%
157.5	11.096	0.240	458.18	0.05%	99.60%
158.0	10.607	0.225	458.405	0.05%	99.65%
158.5	10.090	0.210	458.615	0.05%	99.70%
159.0	9.532	0.195	458.81	0.04%	99.74%
159.5	8.972	0.180	458.99	0.04%	99.78%
160.0	8.383	0.165	459.155	0.04%	99.82%
160.5	7.761	0.150	459.304	0.03%	99.85%
161.0	7.124	0.135	459.439	0.03%	99.88%
161.5	6.394	0.119	459.558	0.03%	99.90%
162.0	5.585	0.103	459.661	0.02%	99.93%
162.5	4.704	0.086	459.747	0.02%	99.94%
163.0	3.908	0.070	459.817	0.02%	99.96%
163.5	3.165	0.056	459.873	0.01%	99.97%
164.0	2.461	0.043	459.916	0.01%	99.98%
164.5	1.770	0.031	459.947	0.01%	99.99%
165.0	1.166	0.021	459.969	0.00%	99.99%
165.5	0.666	0.013	459.981	0.00%	100.00%
166.0	0.330	0.007	459.988	0.00%	100.00%
166.5	0.152	0.003	459.991	0.00%	100.00%
167.0	0.070	0.001	459.993	0.00%	100.00%
167.5	0.058	0.001	459.993	0.00%	100.00%
168.0	0.058	0.001	459.994	0.00%	100.00%
168.5	0.056	0.001	459.995	0.00%	100.00%
169.0	0.054	0.001	459.995	0.00%	100.00%
169.5	0.054	0.001	459.996	0.00%	100.00%
170.0	0.051	0.001	459.996	0.00%	100.00%
170.5	0.049	0.000	459.997	0.00%	100.00%

Zonal flux distribution table

Appendix Page: 11 Total:34

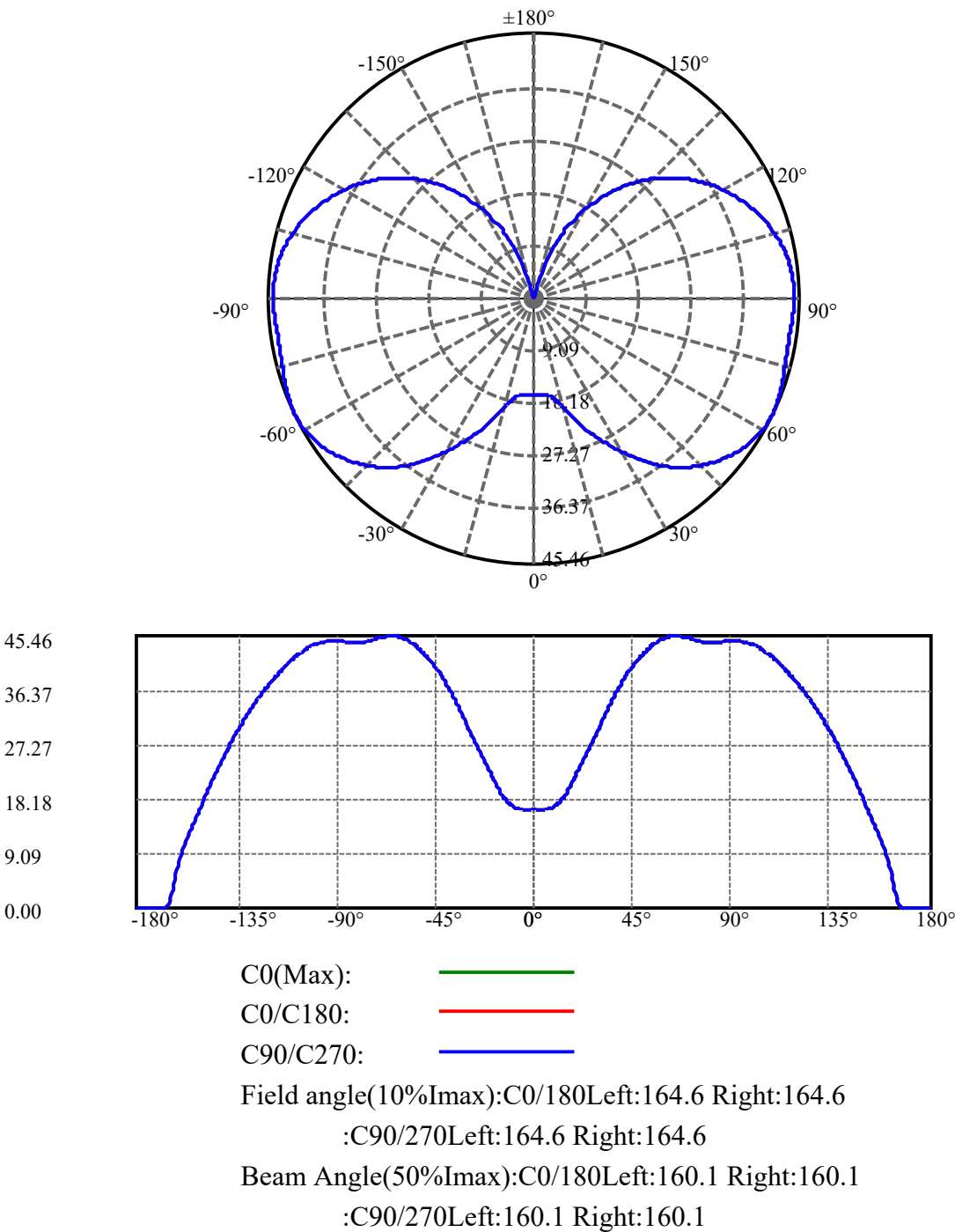
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
171.0	0.046	0.000	459.997	0.00%	100.00%
171.5	0.046	0.000	459.998	0.00%	100.00%
172.0	0.043	0.000	459.998	0.00%	100.00%
172.5	0.039	0.000	459.998	0.00%	100.00%
173.0	0.038	0.000	459.999	0.00%	100.00%
173.5	0.038	0.000	459.999	0.00%	100.00%
174.0	0.040	0.000	459.999	0.00%	100.00%
174.5	0.039	0.000	459.999	0.00%	100.00%
175.0	0.038	0.000	459.999	0.00%	100.00%
175.5	0.038	0.000	460	0.00%	100.00%
176.0	0.035	0.000	460	0.00%	100.00%
176.5	0.034	0.000	460	0.00%	100.00%
177.0	0.034	0.000	460	0.00%	100.00%
177.5	0.033	0.000	460	0.00%	100.00%
178.0	0.033	0.000	460	0.00%	100.00%
178.5	0.035	0.000	460	0.00%	100.00%
179.0	0.033	0.000	460	0.00%	100.00%
179.5	0.037	0.000	460	0.00%	100.00%
180.0	0.033	0.000	460	0.00%	100.00%

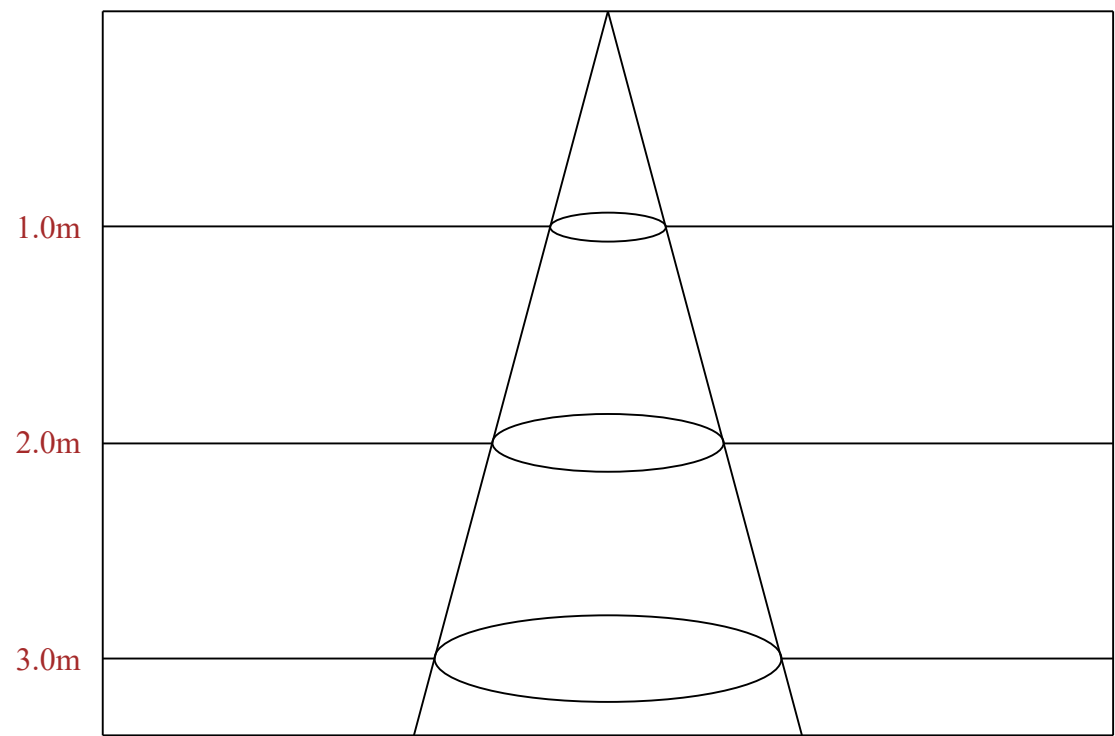
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	19.61	4.26%	4.26%
0-40	41.18	8.95%	8.95%
0-60	112.05	24.36%	24.36%
0-90	252.69	54.93%	54.93%
0-120	385.42	83.79%	83.79%
0-180	460.00	100.00%	100.00%
60-90	140.63	30.57%	30.57%
90-120	132.73	28.86%	28.86%
90-130	164.02	35.66%	35.66%
90-150	200.21	43.52%	43.52%
90-180	207.31	45.07%	45.07%
0-115.32	368.00	80.00%	80.00%

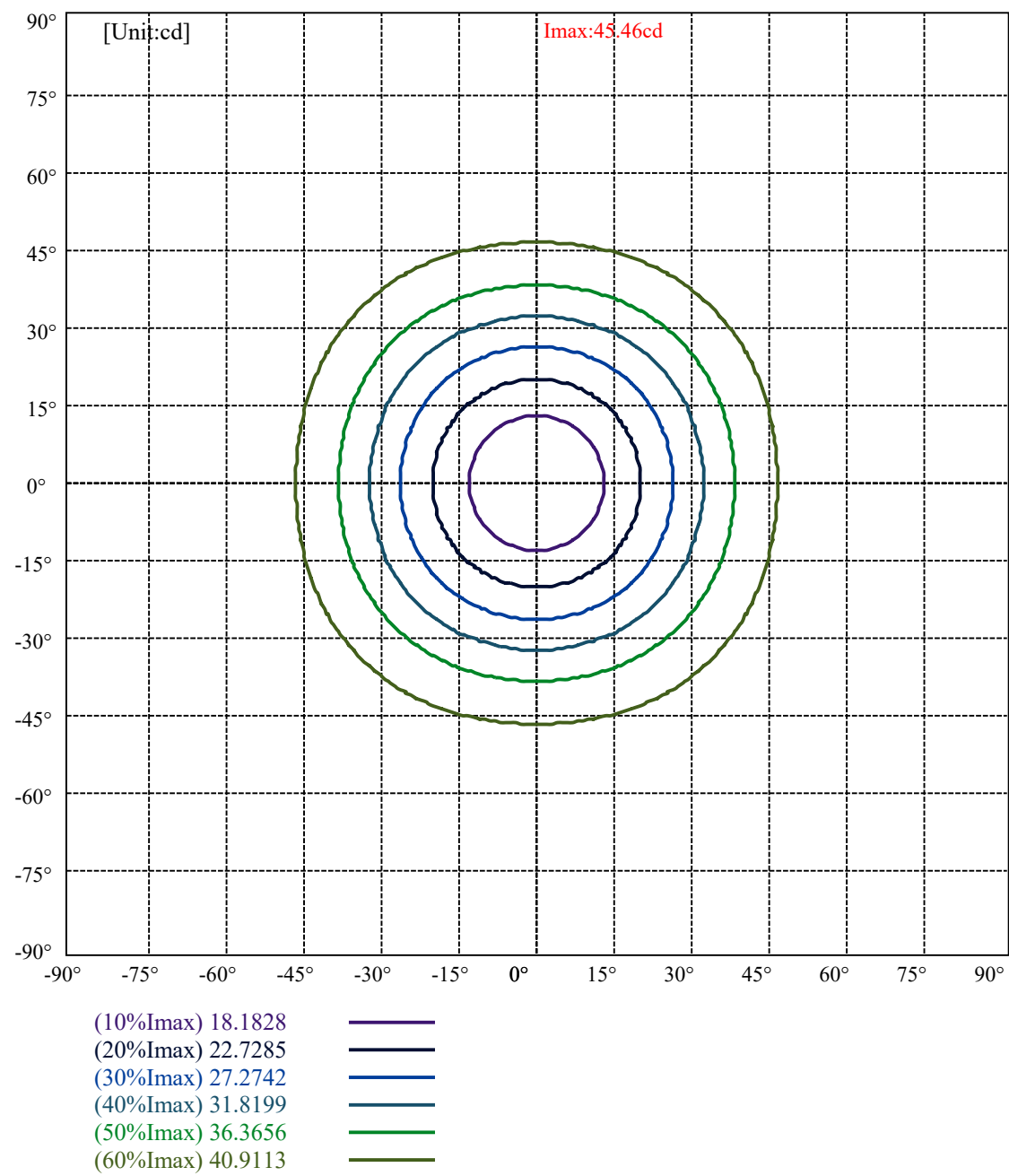
ZONAL LUMEN SUMMARY

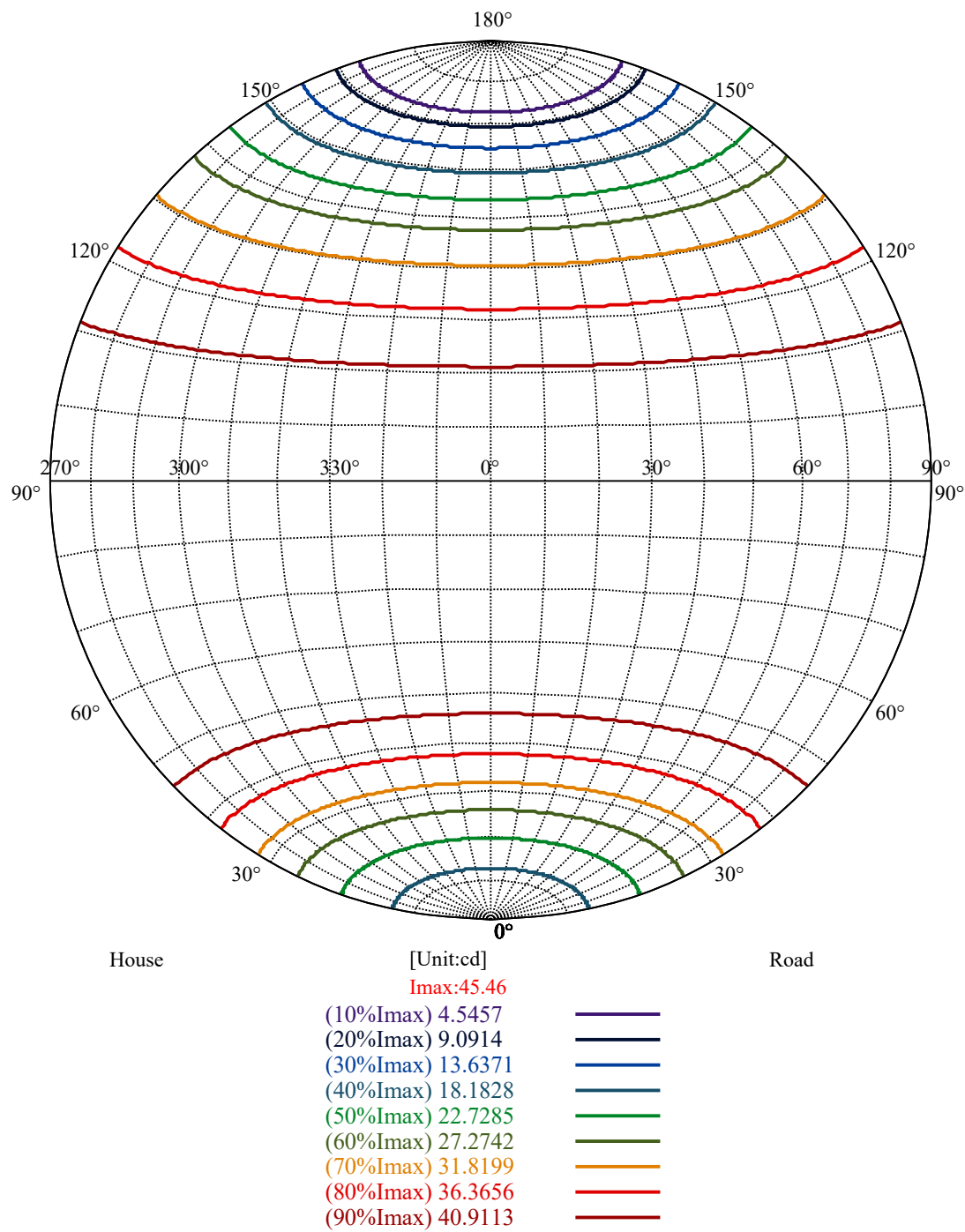
0-10	1.59
10-20	5.64
20-30	12.38
30-40	21.57
40-50	31.29
50-60	39.58
60-70	44.99
70-80	47.19
80-90	48.45
90-100	48.42
100-110	45.19
110-120	39.12
120-130	31.28
130-140	22.48
140-150	13.71
150-160	6.26
160-170	0.84
170-180	0.00

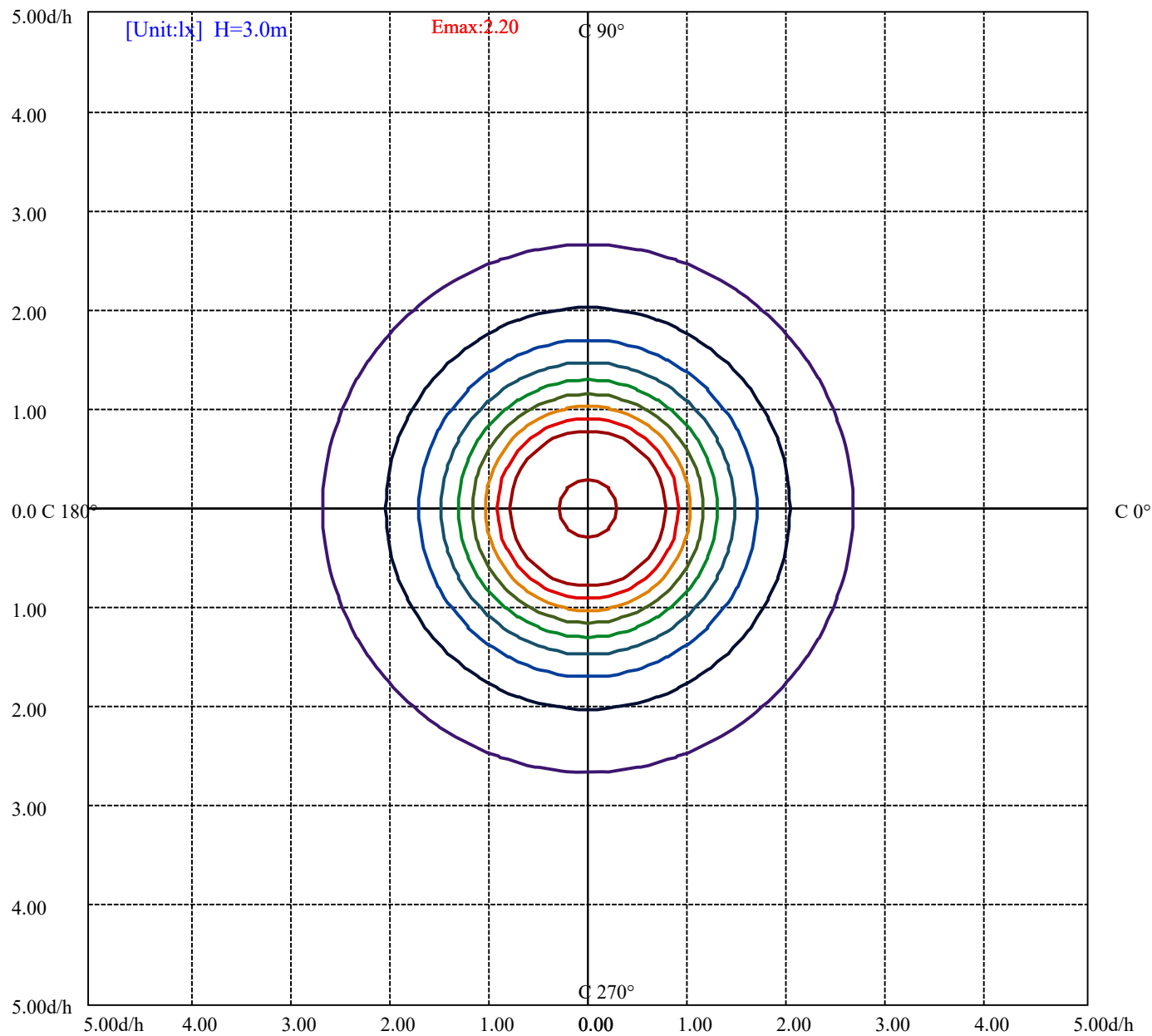




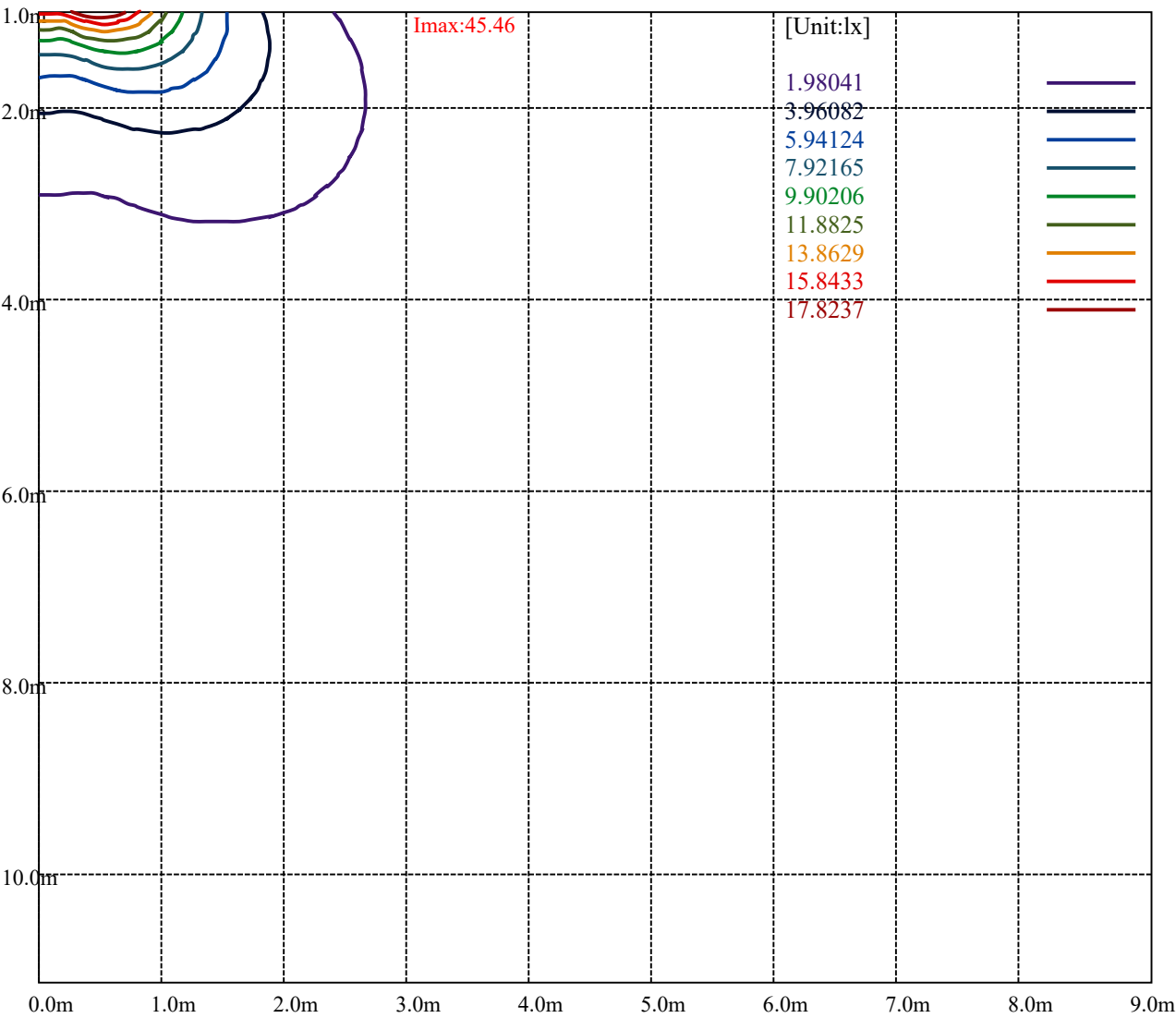
Max , Ave Beam angle of C0 plane 320.11







(10%Emax) 0.22011	—
(20%Emax) 0.44022	—
(30%Emax) 0.66033	—
(40%Emax) 0.88044	—
(50%Emax) 1.100551	—
(60%Emax) 1.320655	—
(70%Emax) 1.540767	—
(80%Emax) 1.760878	—
(90%Emax) 1.980989	—



Luminance Limiting Curve(no luminous side)

Appendix Page: 19 Total:34

Luminance Table

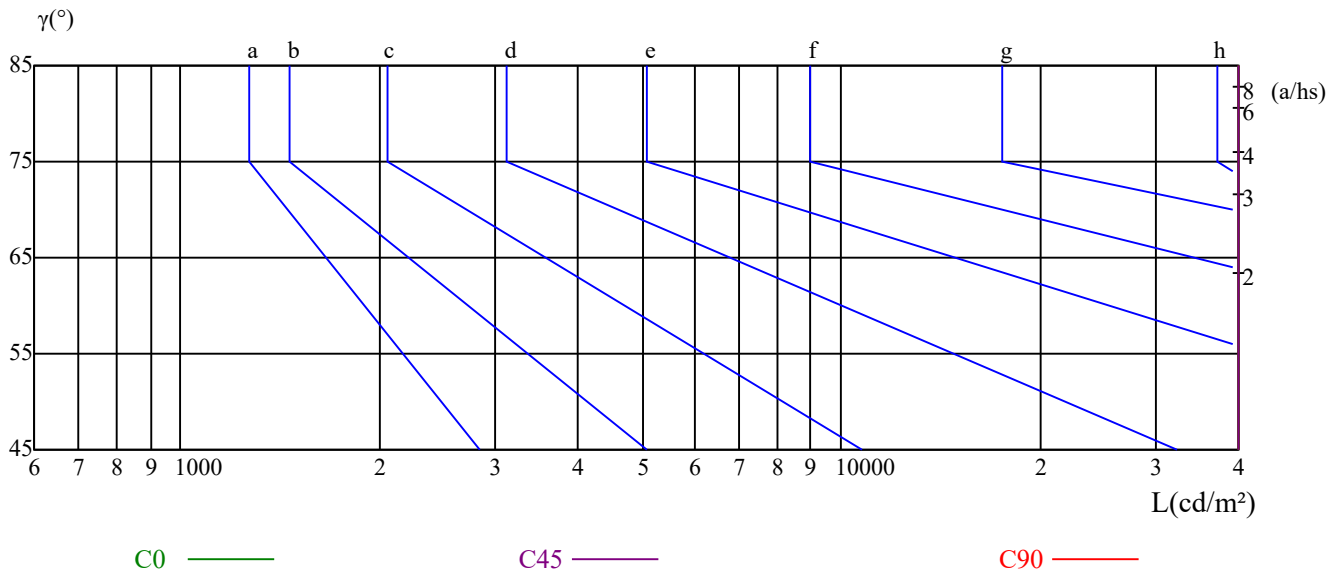
γ	45	50	55	60	65	70	75	80	85
C0	66009	67310	68309	68736	68645	68141	67829	68424	70268
C45	66009	67310	68309	68736	68645	68141	67829	68424	70268
C90	66009	67310	68309	68736	68645	68141	67829	68424	70268

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
422686	422686	422686	676633	676633	676633	2001899	2001899	2001899

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	23.64	24.73	24.52	25.65	26.84	23.64	24.73	24.52	25.65	26.84
	3H	26.31	27.32	27.20	28.25	29.45	26.31	27.32	27.20	28.25	29.45
	4H	27.57	28.53	28.47	29.47	30.68	27.57	28.53	28.47	29.47	30.68
	6H	28.86	29.76	29.76	30.71	31.93	28.86	29.76	29.76	30.71	31.93
	8H	29.46	30.34	30.37	31.29	32.52	29.46	30.34	30.37	31.29	32.52
	12H	30.05	30.91	30.97	31.86	33.10	30.05	30.91	30.97	31.86	33.10
4H	2H	24.62	25.59	25.52	26.53	27.73	24.62	25.59	25.52	26.53	27.73
	3H	27.40	28.26	28.32	29.21	30.45	27.40	28.26	28.32	29.21	30.45
	4H	28.87	29.65	29.79	30.61	31.86	28.87	29.65	29.79	30.61	31.86
	6H	30.27	30.99	31.21	31.96	33.21	30.27	30.99	31.21	31.96	33.21
	8H	30.99	31.67	31.94	32.65	33.90	30.99	31.67	31.94	32.65	33.90
	12H	31.71	32.34	32.66	33.31	34.59	31.71	32.34	32.66	33.31	34.59
8H	4H	29.42	30.10	30.37	31.08	32.33	29.42	30.10	30.37	31.08	32.33
	6H	31.05	31.64	32.01	32.62	33.90	31.05	31.64	32.01	32.62	33.90
	8H	31.98	32.50	32.95	33.50	34.78	31.98	32.50	32.95	33.50	34.78
	12H	32.84	33.30	33.81	34.32	35.59	32.84	33.30	33.81	34.32	35.59
12H	4H	29.55	30.18	30.50	31.15	32.43	29.55	30.18	30.50	31.15	32.43
	6H	31.31	31.83	32.28	32.83	34.11	31.31	31.83	32.28	32.83	34.11
	8H	32.26	32.72	33.23	33.74	35.01	32.26	32.72	33.23	33.74	35.01
Variation with the observer position at spacings:											
S = 1.0H		0.2/-1.0					0.2/-1.0				
S = 1.5H		0.3/-0.9					0.3/-0.9				
S = 2.0H		0.2/-0.7					0.2/-0.7				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		16.6					16.6				

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	16.53	16.50	16.47	16.48	16.47	16.47	16.46	16.47	16.48
22.5	16.53	16.50	16.47	16.48	16.47	16.47	16.46	16.47	16.48
45.0	16.53	16.50	16.47	16.48	16.47	16.47	16.46	16.47	16.48
67.5	16.53	16.50	16.47	16.48	16.47	16.47	16.46	16.47	16.48
90.0	16.53	16.50	16.47	16.48	16.47	16.47	16.46	16.47	16.48
112.5	16.53	16.50	16.47	16.48	16.47	16.47	16.46	16.47	16.48
135.0	16.53	16.50	16.47	16.48	16.47	16.47	16.46	16.47	16.48
157.5	16.53	16.50	16.47	16.48	16.47	16.47	16.46	16.47	16.48
180.0	16.53	16.50	16.47	16.48	16.47	16.47	16.46	16.47	16.48
202.5	16.53	16.50	16.47	16.48	16.47	16.47	16.46	16.47	16.48
225.0	16.53	16.50	16.47	16.48	16.47	16.47	16.46	16.47	16.48
247.5	16.53	16.50	16.47	16.48	16.47	16.47	16.46	16.47	16.48
270.0	16.53	16.50	16.47	16.48	16.47	16.47	16.46	16.47	16.48
292.5	16.53	16.50	16.47	16.48	16.47	16.47	16.46	16.47	16.48
315.0	16.53	16.50	16.47	16.48	16.47	16.47	16.46	16.47	16.48
337.5	16.53	16.50	16.47	16.48	16.47	16.47	16.46	16.47	16.48
360.0	16.53	16.50	16.47	16.48	16.47	16.47	16.46	16.47	16.48
C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	16.50	16.51	16.51	16.53	16.54	16.57	16.60	16.66	16.74
22.5	16.50	16.51	16.51	16.53	16.54	16.57	16.60	16.66	16.74
45.0	16.50	16.51	16.51	16.53	16.54	16.57	16.60	16.66	16.74
67.5	16.50	16.51	16.51	16.53	16.54	16.57	16.60	16.66	16.74
90.0	16.50	16.51	16.51	16.53	16.54	16.57	16.60	16.66	16.74
112.5	16.50	16.51	16.51	16.53	16.54	16.57	16.60	16.66	16.74
135.0	16.50	16.51	16.51	16.53	16.54	16.57	16.60	16.66	16.74
157.5	16.50	16.51	16.51	16.53	16.54	16.57	16.60	16.66	16.74
180.0	16.50	16.51	16.51	16.53	16.54	16.57	16.60	16.66	16.74
202.5	16.50	16.51	16.51	16.53	16.54	16.57	16.60	16.66	16.74
225.0	16.50	16.51	16.51	16.53	16.54	16.57	16.60	16.66	16.74
247.5	16.50	16.51	16.51	16.53	16.54	16.57	16.60	16.66	16.74
270.0	16.50	16.51	16.51	16.53	16.54	16.57	16.60	16.66	16.74
292.5	16.50	16.51	16.51	16.53	16.54	16.57	16.60	16.66	16.74
315.0	16.50	16.51	16.51	16.53	16.54	16.57	16.60	16.66	16.74
337.5	16.50	16.51	16.51	16.53	16.54	16.57	16.60	16.66	16.74
360.0	16.50	16.51	16.51	16.53	16.54	16.57	16.60	16.66	16.74
C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	16.85	16.96	17.08	17.22	17.38	17.58	17.78	18.00	18.23
22.5	16.85	16.96	17.08	17.22	17.38	17.58	17.78	18.00	18.23
45.0	16.85	16.96	17.08	17.22	17.38	17.58	17.78	18.00	18.23
67.5	16.85	16.96	17.08	17.22	17.38	17.58	17.78	18.00	18.23
90.0	16.85	16.96	17.08	17.22	17.38	17.58	17.78	18.00	18.23
112.5	16.85	16.96	17.08	17.22	17.38	17.58	17.78	18.00	18.23
135.0	16.85	16.96	17.08	17.22	17.38	17.58	17.78	18.00	18.23
157.5	16.85	16.96	17.08	17.22	17.38	17.58	17.78	18.00	18.23
180.0	16.85	16.96	17.08	17.22	17.38	17.58	17.78	18.00	18.23
202.5	16.85	16.96	17.08	17.22	17.38	17.58	17.78	18.00	18.23
225.0	16.85	16.96	17.08	17.22	17.38	17.58	17.78	18.00	18.23
247.5	16.85	16.96	17.08	17.22	17.38	17.58	17.78	18.00	18.23
270.0	16.85	16.96	17.08	17.22	17.38	17.58	17.78	18.00	18.23
292.5	16.85	16.96	17.08	17.22	17.38	17.58	17.78	18.00	18.23
315.0	16.85	16.96	17.08	17.22	17.38	17.58	17.78	18.00	18.23
337.5	16.85	16.96	17.08	17.22	17.38	17.58	17.78	18.00	18.23
360.0	16.85	16.96	17.08	17.22	17.38	17.58	17.78	18.00	18.23

C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	18.47	18.72	18.99	19.30	19.62	19.97	20.33	20.70	21.07
22.5	18.47	18.72	18.99	19.30	19.62	19.97	20.33	20.70	21.07
45.0	18.47	18.72	18.99	19.30	19.62	19.97	20.33	20.70	21.07
67.5	18.47	18.72	18.99	19.30	19.62	19.97	20.33	20.70	21.07
90.0	18.47	18.72	18.99	19.30	19.62	19.97	20.33	20.70	21.07
112.5	18.47	18.72	18.99	19.30	19.62	19.97	20.33	20.70	21.07
135.0	18.47	18.72	18.99	19.30	19.62	19.97	20.33	20.70	21.07
157.5	18.47	18.72	18.99	19.30	19.62	19.97	20.33	20.70	21.07
180.0	18.47	18.72	18.99	19.30	19.62	19.97	20.33	20.70	21.07
202.5	18.47	18.72	18.99	19.30	19.62	19.97	20.33	20.70	21.07
225.0	18.47	18.72	18.99	19.30	19.62	19.97	20.33	20.70	21.07
247.5	18.47	18.72	18.99	19.30	19.62	19.97	20.33	20.70	21.07
270.0	18.47	18.72	18.99	19.30	19.62	19.97	20.33	20.70	21.07
292.5	18.47	18.72	18.99	19.30	19.62	19.97	20.33	20.70	21.07
315.0	18.47	18.72	18.99	19.30	19.62	19.97	20.33	20.70	21.07
337.5	18.47	18.72	18.99	19.30	19.62	19.97	20.33	20.70	21.07
360.0	18.47	18.72	18.99	19.30	19.62	19.97	20.33	20.70	21.07

C/γ(°)	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0
0.0	21.44	21.80	22.15	22.49	22.84	23.20	23.55	23.91	24.27
22.5	21.44	21.80	22.15	22.49	22.84	23.20	23.55	23.91	24.27
45.0	21.44	21.80	22.15	22.49	22.84	23.20	23.55	23.91	24.27
67.5	21.44	21.80	22.15	22.49	22.84	23.20	23.55	23.91	24.27
90.0	21.44	21.80	22.15	22.49	22.84	23.20	23.55	23.91	24.27
112.5	21.44	21.80	22.15	22.49	22.84	23.20	23.55	23.91	24.27
135.0	21.44	21.80	22.15	22.49	22.84	23.20	23.55	23.91	24.27
157.5	21.44	21.80	22.15	22.49	22.84	23.20	23.55	23.91	24.27
180.0	21.44	21.80	22.15	22.49	22.84	23.20	23.55	23.91	24.27
202.5	21.44	21.80	22.15	22.49	22.84	23.20	23.55	23.91	24.27
225.0	21.44	21.80	22.15	22.49	22.84	23.20	23.55	23.91	24.27
247.5	21.44	21.80	22.15	22.49	22.84	23.20	23.55	23.91	24.27
270.0	21.44	21.80	22.15	22.49	22.84	23.20	23.55	23.91	24.27
292.5	21.44	21.80	22.15	22.49	22.84	23.20	23.55	23.91	24.27
315.0	21.44	21.80	22.15	22.49	22.84	23.20	23.55	23.91	24.27
337.5	21.44	21.80	22.15	22.49	22.84	23.20	23.55	23.91	24.27
360.0	21.44	21.80	22.15	22.49	22.84	23.20	23.55	23.91	24.27

C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	24.63	25.01	25.39	25.75	26.12	26.50	26.88	27.25	27.63
22.5	24.63	25.01	25.39	25.75	26.12	26.50	26.88	27.25	27.63
45.0	24.63	25.01	25.39	25.75	26.12	26.50	26.88	27.25	27.63
67.5	24.63	25.01	25.39	25.75	26.12	26.50	26.88	27.25	27.63
90.0	24.63	25.01	25.39	25.75	26.12	26.50	26.88	27.25	27.63
112.5	24.63	25.01	25.39	25.75	26.12	26.50	26.88	27.25	27.63
135.0	24.63	25.01	25.39	25.75	26.12	26.50	26.88	27.25	27.63
157.5	24.63	25.01	25.39	25.75	26.12	26.50	26.88	27.25	27.63
180.0	24.63	25.01	25.39	25.75	26.12	26.50	26.88	27.25	27.63
202.5	24.63	25.01	25.39	25.75	26.12	26.50	26.88	27.25	27.63
225.0	24.63	25.01	25.39	25.75	26.12	26.50	26.88	27.25	27.63
247.5	24.63	25.01	25.39	25.75	26.12	26.50	26.88	27.25	27.63
270.0	24.63	25.01	25.39	25.75	26.12	26.50	26.88	27.25	27.63
292.5	24.63	25.01	25.39	25.75	26.12	26.50	26.88	27.25	27.63
315.0	24.63	25.01	25.39	25.75	26.12	26.50	26.88	27.25	27.63
337.5	24.63	25.01	25.39	25.75	26.12	26.50	26.88	27.25	27.63
360.0	24.63	25.01	25.39	25.75	26.12	26.50	26.88	27.25	27.63

Intensity data(cd)

Appendix Page: 23 Total:34

C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	28.01	28.39	28.77	29.16	29.55	29.93	30.32	30.71	31.11
22.5	28.01	28.39	28.77	29.16	29.55	29.93	30.32	30.71	31.11
45.0	28.01	28.39	28.77	29.16	29.55	29.93	30.32	30.71	31.11
67.5	28.01	28.39	28.77	29.16	29.55	29.93	30.32	30.71	31.11
90.0	28.01	28.39	28.77	29.16	29.55	29.93	30.32	30.71	31.11
112.5	28.01	28.39	28.77	29.16	29.55	29.93	30.32	30.71	31.11
135.0	28.01	28.39	28.77	29.16	29.55	29.93	30.32	30.71	31.11
157.5	28.01	28.39	28.77	29.16	29.55	29.93	30.32	30.71	31.11
180.0	28.01	28.39	28.77	29.16	29.55	29.93	30.32	30.71	31.11
202.5	28.01	28.39	28.77	29.16	29.55	29.93	30.32	30.71	31.11
225.0	28.01	28.39	28.77	29.16	29.55	29.93	30.32	30.71	31.11
247.5	28.01	28.39	28.77	29.16	29.55	29.93	30.32	30.71	31.11
270.0	28.01	28.39	28.77	29.16	29.55	29.93	30.32	30.71	31.11
292.5	28.01	28.39	28.77	29.16	29.55	29.93	30.32	30.71	31.11
315.0	28.01	28.39	28.77	29.16	29.55	29.93	30.32	30.71	31.11
337.5	28.01	28.39	28.77	29.16	29.55	29.93	30.32	30.71	31.11
360.0	28.01	28.39	28.77	29.16	29.55	29.93	30.32	30.71	31.11
C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	31.52	31.91	32.31	32.70	33.09	33.47	33.85	34.23	34.62
22.5	31.52	31.91	32.31	32.70	33.09	33.47	33.85	34.23	34.62
45.0	31.52	31.91	32.31	32.70	33.09	33.47	33.85	34.23	34.62
67.5	31.52	31.91	32.31	32.70	33.09	33.47	33.85	34.23	34.62
90.0	31.52	31.91	32.31	32.70	33.09	33.47	33.85	34.23	34.62
112.5	31.52	31.91	32.31	32.70	33.09	33.47	33.85	34.23	34.62
135.0	31.52	31.91	32.31	32.70	33.09	33.47	33.85	34.23	34.62
157.5	31.52	31.91	32.31	32.70	33.09	33.47	33.85	34.23	34.62
180.0	31.52	31.91	32.31	32.70	33.09	33.47	33.85	34.23	34.62
202.5	31.52	31.91	32.31	32.70	33.09	33.47	33.85	34.23	34.62
225.0	31.52	31.91	32.31	32.70	33.09	33.47	33.85	34.23	34.62
247.5	31.52	31.91	32.31	32.70	33.09	33.47	33.85	34.23	34.62
270.0	31.52	31.91	32.31	32.70	33.09	33.47	33.85	34.23	34.62
292.5	31.52	31.91	32.31	32.70	33.09	33.47	33.85	34.23	34.62
315.0	31.52	31.91	32.31	32.70	33.09	33.47	33.85	34.23	34.62
337.5	31.52	31.91	32.31	32.70	33.09	33.47	33.85	34.23	34.62
360.0	31.52	31.91	32.31	32.70	33.09	33.47	33.85	34.23	34.62
C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	35.01	35.40	35.78	36.14	36.48	36.79	37.10	37.41	37.72
22.5	35.01	35.40	35.78	36.14	36.48	36.79	37.10	37.41	37.72
45.0	35.01	35.40	35.78	36.14	36.48	36.79	37.10	37.41	37.72
67.5	35.01	35.40	35.78	36.14	36.48	36.79	37.10	37.41	37.72
90.0	35.01	35.40	35.78	36.14	36.48	36.79	37.10	37.41	37.72
112.5	35.01	35.40	35.78	36.14	36.48	36.79	37.10	37.41	37.72
135.0	35.01	35.40	35.78	36.14	36.48	36.79	37.10	37.41	37.72
157.5	35.01	35.40	35.78	36.14	36.48	36.79	37.10	37.41	37.72
180.0	35.01	35.40	35.78	36.14	36.48	36.79	37.10	37.41	37.72
202.5	35.01	35.40	35.78	36.14	36.48	36.79	37.10	37.41	37.72
225.0	35.01	35.40	35.78	36.14	36.48	36.79	37.10	37.41	37.72
247.5	35.01	35.40	35.78	36.14	36.48	36.79	37.10	37.41	37.72
270.0	35.01	35.40	35.78	36.14	36.48	36.79	37.10	37.41	37.72
292.5	35.01	35.40	35.78	36.14	36.48	36.79	37.10	37.41	37.72
315.0	35.01	35.40	35.78	36.14	36.48	36.79	37.10	37.41	37.72
337.5	35.01	35.40	35.78	36.14	36.48	36.79	37.10	37.41	37.72
360.0	35.01	35.40	35.78	36.14	36.48	36.79	37.10	37.41	37.72

C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	38.02	38.31	38.60	38.89	39.16	39.43	39.69	39.95	40.20
22.5	38.02	38.31	38.60	38.89	39.16	39.43	39.69	39.95	40.20
45.0	38.02	38.31	38.60	38.89	39.16	39.43	39.69	39.95	40.20
67.5	38.02	38.31	38.60	38.89	39.16	39.43	39.69	39.95	40.20
90.0	38.02	38.31	38.60	38.89	39.16	39.43	39.69	39.95	40.20
112.5	38.02	38.31	38.60	38.89	39.16	39.43	39.69	39.95	40.20
135.0	38.02	38.31	38.60	38.89	39.16	39.43	39.69	39.95	40.20
157.5	38.02	38.31	38.60	38.89	39.16	39.43	39.69	39.95	40.20
180.0	38.02	38.31	38.60	38.89	39.16	39.43	39.69	39.95	40.20
202.5	38.02	38.31	38.60	38.89	39.16	39.43	39.69	39.95	40.20
225.0	38.02	38.31	38.60	38.89	39.16	39.43	39.69	39.95	40.20
247.5	38.02	38.31	38.60	38.89	39.16	39.43	39.69	39.95	40.20
270.0	38.02	38.31	38.60	38.89	39.16	39.43	39.69	39.95	40.20
292.5	38.02	38.31	38.60	38.89	39.16	39.43	39.69	39.95	40.20
315.0	38.02	38.31	38.60	38.89	39.16	39.43	39.69	39.95	40.20
337.5	38.02	38.31	38.60	38.89	39.16	39.43	39.69	39.95	40.20
360.0	38.02	38.31	38.60	38.89	39.16	39.43	39.69	39.95	40.20
C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	40.44	40.68	40.91	41.13	41.35	41.56	41.77	41.97	42.17
22.5	40.44	40.68	40.91	41.13	41.35	41.56	41.77	41.97	42.17
45.0	40.44	40.68	40.91	41.13	41.35	41.56	41.77	41.97	42.17
67.5	40.44	40.68	40.91	41.13	41.35	41.56	41.77	41.97	42.17
90.0	40.44	40.68	40.91	41.13	41.35	41.56	41.77	41.97	42.17
112.5	40.44	40.68	40.91	41.13	41.35	41.56	41.77	41.97	42.17
135.0	40.44	40.68	40.91	41.13	41.35	41.56	41.77	41.97	42.17
157.5	40.44	40.68	40.91	41.13	41.35	41.56	41.77	41.97	42.17
180.0	40.44	40.68	40.91	41.13	41.35	41.56	41.77	41.97	42.17
202.5	40.44	40.68	40.91	41.13	41.35	41.56	41.77	41.97	42.17
225.0	40.44	40.68	40.91	41.13	41.35	41.56	41.77	41.97	42.17
247.5	40.44	40.68	40.91	41.13	41.35	41.56	41.77	41.97	42.17
270.0	40.44	40.68	40.91	41.13	41.35	41.56	41.77	41.97	42.17
292.5	40.44	40.68	40.91	41.13	41.35	41.56	41.77	41.97	42.17
315.0	40.44	40.68	40.91	41.13	41.35	41.56	41.77	41.97	42.17
337.5	40.44	40.68	40.91	41.13	41.35	41.56	41.77	41.97	42.17
360.0	40.44	40.68	40.91	41.13	41.35	41.56	41.77	41.97	42.17
C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	42.37	42.57	42.76	42.94	43.13	43.30	43.47	43.64	43.80
22.5	42.37	42.57	42.76	42.94	43.13	43.30	43.47	43.64	43.80
45.0	42.37	42.57	42.76	42.94	43.13	43.30	43.47	43.64	43.80
67.5	42.37	42.57	42.76	42.94	43.13	43.30	43.47	43.64	43.80
90.0	42.37	42.57	42.76	42.94	43.13	43.30	43.47	43.64	43.80
112.5	42.37	42.57	42.76	42.94	43.13	43.30	43.47	43.64	43.80
135.0	42.37	42.57	42.76	42.94	43.13	43.30	43.47	43.64	43.80
157.5	42.37	42.57	42.76	42.94	43.13	43.30	43.47	43.64	43.80
180.0	42.37	42.57	42.76	42.94	43.13	43.30	43.47	43.64	43.80
202.5	42.37	42.57	42.76	42.94	43.13	43.30	43.47	43.64	43.80
225.0	42.37	42.57	42.76	42.94	43.13	43.30	43.47	43.64	43.80
247.5	42.37	42.57	42.76	42.94	43.13	43.30	43.47	43.64	43.80
270.0	42.37	42.57	42.76	42.94	43.13	43.30	43.47	43.64	43.80
292.5	42.37	42.57	42.76	42.94	43.13	43.30	43.47	43.64	43.80
315.0	42.37	42.57	42.76	42.94	43.13	43.30	43.47	43.64	43.80
337.5	42.37	42.57	42.76	42.94	43.13	43.30	43.47	43.64	43.80
360.0	42.37	42.57	42.76	42.94	43.13	43.30	43.47	43.64	43.80

C/γ(°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	43.95	44.09	44.22	44.34	44.45	44.56	44.66	44.76	44.85
22.5	43.95	44.09	44.22	44.34	44.45	44.56	44.66	44.76	44.85
45.0	43.95	44.09	44.22	44.34	44.45	44.56	44.66	44.76	44.85
67.5	43.95	44.09	44.22	44.34	44.45	44.56	44.66	44.76	44.85
90.0	43.95	44.09	44.22	44.34	44.45	44.56	44.66	44.76	44.85
112.5	43.95	44.09	44.22	44.34	44.45	44.56	44.66	44.76	44.85
135.0	43.95	44.09	44.22	44.34	44.45	44.56	44.66	44.76	44.85
157.5	43.95	44.09	44.22	44.34	44.45	44.56	44.66	44.76	44.85
180.0	43.95	44.09	44.22	44.34	44.45	44.56	44.66	44.76	44.85
202.5	43.95	44.09	44.22	44.34	44.45	44.56	44.66	44.76	44.85
225.0	43.95	44.09	44.22	44.34	44.45	44.56	44.66	44.76	44.85
247.5	43.95	44.09	44.22	44.34	44.45	44.56	44.66	44.76	44.85
270.0	43.95	44.09	44.22	44.34	44.45	44.56	44.66	44.76	44.85
292.5	43.95	44.09	44.22	44.34	44.45	44.56	44.66	44.76	44.85
315.0	43.95	44.09	44.22	44.34	44.45	44.56	44.66	44.76	44.85
337.5	43.95	44.09	44.22	44.34	44.45	44.56	44.66	44.76	44.85
360.0	43.95	44.09	44.22	44.34	44.45	44.56	44.66	44.76	44.85
C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	44.94	45.03	45.10	45.18	45.24	45.28	45.32	45.35	45.38
22.5	44.94	45.03	45.10	45.18	45.24	45.28	45.32	45.35	45.38
45.0	44.94	45.03	45.10	45.18	45.24	45.28	45.32	45.35	45.38
67.5	44.94	45.03	45.10	45.18	45.24	45.28	45.32	45.35	45.38
90.0	44.94	45.03	45.10	45.18	45.24	45.28	45.32	45.35	45.38
112.5	44.94	45.03	45.10	45.18	45.24	45.28	45.32	45.35	45.38
135.0	44.94	45.03	45.10	45.18	45.24	45.28	45.32	45.35	45.38
157.5	44.94	45.03	45.10	45.18	45.24	45.28	45.32	45.35	45.38
180.0	44.94	45.03	45.10	45.18	45.24	45.28	45.32	45.35	45.38
202.5	44.94	45.03	45.10	45.18	45.24	45.28	45.32	45.35	45.38
225.0	44.94	45.03	45.10	45.18	45.24	45.28	45.32	45.35	45.38
247.5	44.94	45.03	45.10	45.18	45.24	45.28	45.32	45.35	45.38
270.0	44.94	45.03	45.10	45.18	45.24	45.28	45.32	45.35	45.38
292.5	44.94	45.03	45.10	45.18	45.24	45.28	45.32	45.35	45.38
315.0	44.94	45.03	45.10	45.18	45.24	45.28	45.32	45.35	45.38
337.5	44.94	45.03	45.10	45.18	45.24	45.28	45.32	45.35	45.38
360.0	44.94	45.03	45.10	45.18	45.24	45.28	45.32	45.35	45.38
C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	45.40	45.41	45.43	45.45	45.46	45.45	45.42	45.38	45.33
22.5	45.40	45.41	45.43	45.45	45.46	45.45	45.42	45.38	45.33
45.0	45.40	45.41	45.43	45.45	45.46	45.45	45.42	45.38	45.33
67.5	45.40	45.41	45.43	45.45	45.46	45.45	45.42	45.38	45.33
90.0	45.40	45.41	45.43	45.45	45.46	45.45	45.42	45.38	45.33
112.5	45.40	45.41	45.43	45.45	45.46	45.45	45.42	45.38	45.33
135.0	45.40	45.41	45.43	45.45	45.46	45.45	45.42	45.38	45.33
157.5	45.40	45.41	45.43	45.45	45.46	45.45	45.42	45.38	45.33
180.0	45.40	45.41	45.43	45.45	45.46	45.45	45.42	45.38	45.33
202.5	45.40	45.41	45.43	45.45	45.46	45.45	45.42	45.38	45.33
225.0	45.40	45.41	45.43	45.45	45.46	45.45	45.42	45.38	45.33
247.5	45.40	45.41	45.43	45.45	45.46	45.45	45.42	45.38	45.33
270.0	45.40	45.41	45.43	45.45	45.46	45.45	45.42	45.38	45.33
292.5	45.40	45.41	45.43	45.45	45.46	45.45	45.42	45.38	45.33
315.0	45.40	45.41	45.43	45.45	45.46	45.45	45.42	45.38	45.33
337.5	45.40	45.41	45.43	45.45	45.46	45.45	45.42	45.38	45.33
360.0	45.40	45.41	45.43	45.45	45.46	45.45	45.42	45.38	45.33

C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	45.28	45.24	45.19	45.16	45.14	45.12	45.09	45.04	44.97
22.5	45.28	45.24	45.19	45.16	45.14	45.12	45.09	45.04	44.97
45.0	45.28	45.24	45.19	45.16	45.14	45.12	45.09	45.04	44.97
67.5	45.28	45.24	45.19	45.16	45.14	45.12	45.09	45.04	44.97
90.0	45.28	45.24	45.19	45.16	45.14	45.12	45.09	45.04	44.97
112.5	45.28	45.24	45.19	45.16	45.14	45.12	45.09	45.04	44.97
135.0	45.28	45.24	45.19	45.16	45.14	45.12	45.09	45.04	44.97
157.5	45.28	45.24	45.19	45.16	45.14	45.12	45.09	45.04	44.97
180.0	45.28	45.24	45.19	45.16	45.14	45.12	45.09	45.04	44.97
202.5	45.28	45.24	45.19	45.16	45.14	45.12	45.09	45.04	44.97
225.0	45.28	45.24	45.19	45.16	45.14	45.12	45.09	45.04	44.97
247.5	45.28	45.24	45.19	45.16	45.14	45.12	45.09	45.04	44.97
270.0	45.28	45.24	45.19	45.16	45.14	45.12	45.09	45.04	44.97
292.5	45.28	45.24	45.19	45.16	45.14	45.12	45.09	45.04	44.97
315.0	45.28	45.24	45.19	45.16	45.14	45.12	45.09	45.04	44.97
337.5	45.28	45.24	45.19	45.16	45.14	45.12	45.09	45.04	44.97
360.0	45.28	45.24	45.19	45.16	45.14	45.12	45.09	45.04	44.97

C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	44.89	44.82	44.76	44.70	44.65	44.61	44.56	44.52	44.48
22.5	44.89	44.82	44.76	44.70	44.65	44.61	44.56	44.52	44.48
45.0	44.89	44.82	44.76	44.70	44.65	44.61	44.56	44.52	44.48
67.5	44.89	44.82	44.76	44.70	44.65	44.61	44.56	44.52	44.48
90.0	44.89	44.82	44.76	44.70	44.65	44.61	44.56	44.52	44.48
112.5	44.89	44.82	44.76	44.70	44.65	44.61	44.56	44.52	44.48
135.0	44.89	44.82	44.76	44.70	44.65	44.61	44.56	44.52	44.48
157.5	44.89	44.82	44.76	44.70	44.65	44.61	44.56	44.52	44.48
180.0	44.89	44.82	44.76	44.70	44.65	44.61	44.56	44.52	44.48
202.5	44.89	44.82	44.76	44.70	44.65	44.61	44.56	44.52	44.48
225.0	44.89	44.82	44.76	44.70	44.65	44.61	44.56	44.52	44.48
247.5	44.89	44.82	44.76	44.70	44.65	44.61	44.56	44.52	44.48
270.0	44.89	44.82	44.76	44.70	44.65	44.61	44.56	44.52	44.48
292.5	44.89	44.82	44.76	44.70	44.65	44.61	44.56	44.52	44.48
315.0	44.89	44.82	44.76	44.70	44.65	44.61	44.56	44.52	44.48
337.5	44.89	44.82	44.76	44.70	44.65	44.61	44.56	44.52	44.48
360.0	44.89	44.82	44.76	44.70	44.65	44.61	44.56	44.52	44.48

C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	44.45	44.42	44.38	44.35	44.32	44.29	44.27	44.26	44.26
22.5	44.45	44.42	44.38	44.35	44.32	44.29	44.27	44.26	44.26
45.0	44.45	44.42	44.38	44.35	44.32	44.29	44.27	44.26	44.26
67.5	44.45	44.42	44.38	44.35	44.32	44.29	44.27	44.26	44.26
90.0	44.45	44.42	44.38	44.35	44.32	44.29	44.27	44.26	44.26
112.5	44.45	44.42	44.38	44.35	44.32	44.29	44.27	44.26	44.26
135.0	44.45	44.42	44.38	44.35	44.32	44.29	44.27	44.26	44.26
157.5	44.45	44.42	44.38	44.35	44.32	44.29	44.27	44.26	44.26
180.0	44.45	44.42	44.38	44.35	44.32	44.29	44.27	44.26	44.26
202.5	44.45	44.42	44.38	44.35	44.32	44.29	44.27	44.26	44.26
225.0	44.45	44.42	44.38	44.35	44.32	44.29	44.27	44.26	44.26
247.5	44.45	44.42	44.38	44.35	44.32	44.29	44.27	44.26	44.26
270.0	44.45	44.42	44.38	44.35	44.32	44.29	44.27	44.26	44.26
292.5	44.45	44.42	44.38	44.35	44.32	44.29	44.27	44.26	44.26
315.0	44.45	44.42	44.38	44.35	44.32	44.29	44.27	44.26	44.26
337.5	44.45	44.42	44.38	44.35	44.32	44.29	44.27	44.26	44.26
360.0	44.45	44.42	44.38	44.35	44.32	44.29	44.27	44.26	44.26

C/ γ (°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	44.26	44.27	44.28	44.29	44.30	44.32	44.34	44.37	44.40
22.5	44.26	44.27	44.28	44.29	44.30	44.32	44.34	44.37	44.40
45.0	44.26	44.27	44.28	44.29	44.30	44.32	44.34	44.37	44.40
67.5	44.26	44.27	44.28	44.29	44.30	44.32	44.34	44.37	44.40
90.0	44.26	44.27	44.28	44.29	44.30	44.32	44.34	44.37	44.40
112.5	44.26	44.27	44.28	44.29	44.30	44.32	44.34	44.37	44.40
135.0	44.26	44.27	44.28	44.29	44.30	44.32	44.34	44.37	44.40
157.5	44.26	44.27	44.28	44.29	44.30	44.32	44.34	44.37	44.40
180.0	44.26	44.27	44.28	44.29	44.30	44.32	44.34	44.37	44.40
202.5	44.26	44.27	44.28	44.29	44.30	44.32	44.34	44.37	44.40
225.0	44.26	44.27	44.28	44.29	44.30	44.32	44.34	44.37	44.40
247.5	44.26	44.27	44.28	44.29	44.30	44.32	44.34	44.37	44.40
270.0	44.26	44.27	44.28	44.29	44.30	44.32	44.34	44.37	44.40
292.5	44.26	44.27	44.28	44.29	44.30	44.32	44.34	44.37	44.40
315.0	44.26	44.27	44.28	44.29	44.30	44.32	44.34	44.37	44.40
337.5	44.26	44.27	44.28	44.29	44.30	44.32	44.34	44.37	44.40
360.0	44.26	44.27	44.28	44.29	44.30	44.32	44.34	44.37	44.40
C/ γ (°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	44.43	44.46	44.48	44.51	44.53	44.54	44.56	44.57	44.58
22.5	44.43	44.46	44.48	44.51	44.53	44.54	44.56	44.57	44.58
45.0	44.43	44.46	44.48	44.51	44.53	44.54	44.56	44.57	44.58
67.5	44.43	44.46	44.48	44.51	44.53	44.54	44.56	44.57	44.58
90.0	44.43	44.46	44.48	44.51	44.53	44.54	44.56	44.57	44.58
112.5	44.43	44.46	44.48	44.51	44.53	44.54	44.56	44.57	44.58
135.0	44.43	44.46	44.48	44.51	44.53	44.54	44.56	44.57	44.58
157.5	44.43	44.46	44.48	44.51	44.53	44.54	44.56	44.57	44.58
180.0	44.43	44.46	44.48	44.51	44.53	44.54	44.56	44.57	44.58
202.5	44.43	44.46	44.48	44.51	44.53	44.54	44.56	44.57	44.58
225.0	44.43	44.46	44.48	44.51	44.53	44.54	44.56	44.57	44.58
247.5	44.43	44.46	44.48	44.51	44.53	44.54	44.56	44.57	44.58
270.0	44.43	44.46	44.48	44.51	44.53	44.54	44.56	44.57	44.58
292.5	44.43	44.46	44.48	44.51	44.53	44.54	44.56	44.57	44.58
315.0	44.43	44.46	44.48	44.51	44.53	44.54	44.56	44.57	44.58
337.5	44.43	44.46	44.48	44.51	44.53	44.54	44.56	44.57	44.58
360.0	44.43	44.46	44.48	44.51	44.53	44.54	44.56	44.57	44.58
C/ γ (°)	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0
0.0	44.59	44.60	44.60	44.59	44.58	44.58	44.57	44.55	44.53
22.5	44.59	44.60	44.60	44.59	44.58	44.58	44.57	44.55	44.53
45.0	44.59	44.60	44.60	44.59	44.58	44.58	44.57	44.55	44.53
67.5	44.59	44.60	44.60	44.59	44.58	44.58	44.57	44.55	44.53
90.0	44.59	44.60	44.60	44.59	44.58	44.58	44.57	44.55	44.53
112.5	44.59	44.60	44.60	44.59	44.58	44.58	44.57	44.55	44.53
135.0	44.59	44.60	44.60	44.59	44.58	44.58	44.57	44.55	44.53
157.5	44.59	44.60	44.60	44.59	44.58	44.58	44.57	44.55	44.53
180.0	44.59	44.60	44.60	44.59	44.58	44.58	44.57	44.55	44.53
202.5	44.59	44.60	44.60	44.59	44.58	44.58	44.57	44.55	44.53
225.0	44.59	44.60	44.60	44.59	44.58	44.58	44.57	44.55	44.53
247.5	44.59	44.60	44.60	44.59	44.58	44.58	44.57	44.55	44.53
270.0	44.59	44.60	44.60	44.59	44.58	44.58	44.57	44.55	44.53
292.5	44.59	44.60	44.60	44.59	44.58	44.58	44.57	44.55	44.53
315.0	44.59	44.60	44.60	44.59	44.58	44.58	44.57	44.55	44.53
337.5	44.59	44.60	44.60	44.59	44.58	44.58	44.57	44.55	44.53
360.0	44.59	44.60	44.60	44.59	44.58	44.58	44.57	44.55	44.53

C/ $\gamma(^{\circ})$	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5
0.0	44.49	44.46	44.42	44.38	44.33	44.28	44.22	44.16	44.09
22.5	44.49	44.46	44.42	44.38	44.33	44.28	44.22	44.16	44.09
45.0	44.49	44.46	44.42	44.38	44.33	44.28	44.22	44.16	44.09
67.5	44.49	44.46	44.42	44.38	44.33	44.28	44.22	44.16	44.09
90.0	44.49	44.46	44.42	44.38	44.33	44.28	44.22	44.16	44.09
112.5	44.49	44.46	44.42	44.38	44.33	44.28	44.22	44.16	44.09
135.0	44.49	44.46	44.42	44.38	44.33	44.28	44.22	44.16	44.09
157.5	44.49	44.46	44.42	44.38	44.33	44.28	44.22	44.16	44.09
180.0	44.49	44.46	44.42	44.38	44.33	44.28	44.22	44.16	44.09
202.5	44.49	44.46	44.42	44.38	44.33	44.28	44.22	44.16	44.09
225.0	44.49	44.46	44.42	44.38	44.33	44.28	44.22	44.16	44.09
247.5	44.49	44.46	44.42	44.38	44.33	44.28	44.22	44.16	44.09
270.0	44.49	44.46	44.42	44.38	44.33	44.28	44.22	44.16	44.09
292.5	44.49	44.46	44.42	44.38	44.33	44.28	44.22	44.16	44.09
315.0	44.49	44.46	44.42	44.38	44.33	44.28	44.22	44.16	44.09
337.5	44.49	44.46	44.42	44.38	44.33	44.28	44.22	44.16	44.09
360.0	44.49	44.46	44.42	44.38	44.33	44.28	44.22	44.16	44.09
C/ $\gamma(^{\circ})$	99.0	99.5	100.0	100.5	101.0	101.5	102.0	102.5	103.0
0.0	44.02	43.95	43.86	43.78	43.68	43.59	43.48	43.37	43.25
22.5	44.02	43.95	43.86	43.78	43.68	43.59	43.48	43.37	43.25
45.0	44.02	43.95	43.86	43.78	43.68	43.59	43.48	43.37	43.25
67.5	44.02	43.95	43.86	43.78	43.68	43.59	43.48	43.37	43.25
90.0	44.02	43.95	43.86	43.78	43.68	43.59	43.48	43.37	43.25
112.5	44.02	43.95	43.86	43.78	43.68	43.59	43.48	43.37	43.25
135.0	44.02	43.95	43.86	43.78	43.68	43.59	43.48	43.37	43.25
157.5	44.02	43.95	43.86	43.78	43.68	43.59	43.48	43.37	43.25
180.0	44.02	43.95	43.86	43.78	43.68	43.59	43.48	43.37	43.25
202.5	44.02	43.95	43.86	43.78	43.68	43.59	43.48	43.37	43.25
225.0	44.02	43.95	43.86	43.78	43.68	43.59	43.48	43.37	43.25
247.5	44.02	43.95	43.86	43.78	43.68	43.59	43.48	43.37	43.25
270.0	44.02	43.95	43.86	43.78	43.68	43.59	43.48	43.37	43.25
292.5	44.02	43.95	43.86	43.78	43.68	43.59	43.48	43.37	43.25
315.0	44.02	43.95	43.86	43.78	43.68	43.59	43.48	43.37	43.25
337.5	44.02	43.95	43.86	43.78	43.68	43.59	43.48	43.37	43.25
360.0	44.02	43.95	43.86	43.78	43.68	43.59	43.48	43.37	43.25
C/ $\gamma(^{\circ})$	103.5	104.0	104.5	105.0	105.5	106.0	106.5	107.0	107.5
0.0	43.13	43.01	42.88	42.76	42.63	42.49	42.36	42.22	42.08
22.5	43.13	43.01	42.88	42.76	42.63	42.49	42.36	42.22	42.08
45.0	43.13	43.01	42.88	42.76	42.63	42.49	42.36	42.22	42.08
67.5	43.13	43.01	42.88	42.76	42.63	42.49	42.36	42.22	42.08
90.0	43.13	43.01	42.88	42.76	42.63	42.49	42.36	42.22	42.08
112.5	43.13	43.01	42.88	42.76	42.63	42.49	42.36	42.22	42.08
135.0	43.13	43.01	42.88	42.76	42.63	42.49	42.36	42.22	42.08
157.5	43.13	43.01	42.88	42.76	42.63	42.49	42.36	42.22	42.08
180.0	43.13	43.01	42.88	42.76	42.63	42.49	42.36	42.22	42.08
202.5	43.13	43.01	42.88	42.76	42.63	42.49	42.36	42.22	42.08
225.0	43.13	43.01	42.88	42.76	42.63	42.49	42.36	42.22	42.08
247.5	43.13	43.01	42.88	42.76	42.63	42.49	42.36	42.22	42.08
270.0	43.13	43.01	42.88	42.76	42.63	42.49	42.36	42.22	42.08
292.5	43.13	43.01	42.88	42.76	42.63	42.49	42.36	42.22	42.08
315.0	43.13	43.01	42.88	42.76	42.63	42.49	42.36	42.22	42.08
337.5	43.13	43.01	42.88	42.76	42.63	42.49	42.36	42.22	42.08
360.0	43.13	43.01	42.88	42.76	42.63	42.49	42.36	42.22	42.08

Intensity data(cd)										Appendix Page: 29 Total:34
C/γ(°)	108.0	108.5	109.0	109.5	110.0	110.5	111.0	111.5	112.0	
0.0	41.93	41.78	41.62	41.46	41.29	41.12	40.95	40.77	40.59	
22.5	41.93	41.78	41.62	41.46	41.29	41.12	40.95	40.77	40.59	
45.0	41.93	41.78	41.62	41.46	41.29	41.12	40.95	40.77	40.59	
67.5	41.93	41.78	41.62	41.46	41.29	41.12	40.95	40.77	40.59	
90.0	41.93	41.78	41.62	41.46	41.29	41.12	40.95	40.77	40.59	
112.5	41.93	41.78	41.62	41.46	41.29	41.12	40.95	40.77	40.59	
135.0	41.93	41.78	41.62	41.46	41.29	41.12	40.95	40.77	40.59	
157.5	41.93	41.78	41.62	41.46	41.29	41.12	40.95	40.77	40.59	
180.0	41.93	41.78	41.62	41.46	41.29	41.12	40.95	40.77	40.59	
202.5	41.93	41.78	41.62	41.46	41.29	41.12	40.95	40.77	40.59	
225.0	41.93	41.78	41.62	41.46	41.29	41.12	40.95	40.77	40.59	
247.5	41.93	41.78	41.62	41.46	41.29	41.12	40.95	40.77	40.59	
270.0	41.93	41.78	41.62	41.46	41.29	41.12	40.95	40.77	40.59	
292.5	41.93	41.78	41.62	41.46	41.29	41.12	40.95	40.77	40.59	
315.0	41.93	41.78	41.62	41.46	41.29	41.12	40.95	40.77	40.59	
337.5	41.93	41.78	41.62	41.46	41.29	41.12	40.95	40.77	40.59	
360.0	41.93	41.78	41.62	41.46	41.29	41.12	40.95	40.77	40.59	
C/γ(°)	112.5	113.0	113.5	114.0	114.5	115.0	115.5	116.0	116.5	
0.0	40.40	40.22	40.03	39.83	39.64	39.44	39.23	39.03	38.82	
22.5	40.40	40.22	40.03	39.83	39.64	39.44	39.23	39.03	38.82	
45.0	40.40	40.22	40.03	39.83	39.64	39.44	39.23	39.03	38.82	
67.5	40.40	40.22	40.03	39.83	39.64	39.44	39.23	39.03	38.82	
90.0	40.40	40.22	40.03	39.83	39.64	39.44	39.23	39.03	38.82	
112.5	40.40	40.22	40.03	39.83	39.64	39.44	39.23	39.03	38.82	
135.0	40.40	40.22	40.03	39.83	39.64	39.44	39.23	39.03	38.82	
157.5	40.40	40.22	40.03	39.83	39.64	39.44	39.23	39.03	38.82	
180.0	40.40	40.22	40.03	39.83	39.64	39.44	39.23	39.03	38.82	
202.5	40.40	40.22	40.03	39.83	39.64	39.44	39.23	39.03	38.82	
225.0	40.40	40.22	40.03	39.83	39.64	39.44	39.23	39.03	38.82	
247.5	40.40	40.22	40.03	39.83	39.64	39.44	39.23	39.03	38.82	
270.0	40.40	40.22	40.03	39.83	39.64	39.44	39.23	39.03	38.82	
292.5	40.40	40.22	40.03	39.83	39.64	39.44	39.23	39.03	38.82	
315.0	40.40	40.22	40.03	39.83	39.64	39.44	39.23	39.03	38.82	
337.5	40.40	40.22	40.03	39.83	39.64	39.44	39.23	39.03	38.82	
360.0	40.40	40.22	40.03	39.83	39.64	39.44	39.23	39.03	38.82	
C/γ(°)	117.0	117.5	118.0	118.5	119.0	119.5	120.0	120.5	121.0	
0.0	38.61	38.40	38.18	37.96	37.74	37.52	37.29	37.06	36.83	
22.5	38.61	38.40	38.18	37.96	37.74	37.52	37.29	37.06	36.83	
45.0	38.61	38.40	38.18	37.96	37.74	37.52	37.29	37.06	36.83	
67.5	38.61	38.40	38.18	37.96	37.74	37.52	37.29	37.06	36.83	
90.0	38.61	38.40	38.18	37.96	37.74	37.52	37.29	37.06	36.83	
112.5	38.61	38.40	38.18	37.96	37.74	37.52	37.29	37.06	36.83	
135.0	38.61	38.40	38.18	37.96	37.74	37.52	37.29	37.06	36.83	
157.5	38.61	38.40	38.18	37.96	37.74	37.52	37.29	37.06	36.83	
180.0	38.61	38.40	38.18	37.96	37.74	37.52	37.29	37.06	36.83	
202.5	38.61	38.40	38.18	37.96	37.74	37.52	37.29	37.06	36.83	
225.0	38.61	38.40	38.18	37.96	37.74	37.52	37.29	37.06	36.83	
247.5	38.61	38.40	38.18	37.96	37.74	37.52	37.29	37.06	36.83	
270.0	38.61	38.40	38.18	37.96	37.74	37.52	37.29	37.06	36.83	
292.5	38.61	38.40	38.18	37.96	37.74	37.52	37.29	37.06	36.83	
315.0	38.61	38.40	38.18	37.96	37.74	37.52	37.29	37.06	36.83	
337.5	38.61	38.40	38.18	37.96	37.74	37.52	37.29	37.06	36.83	
360.0	38.61	38.40	38.18	37.96	37.74	37.52	37.29	37.06	36.83	

Intensity data(cd)									Appendix Page: 30 Total:34
C/γ(°)	121.5	122.0	122.5	123.0	123.5	124.0	124.5	125.0	125.5
0.0	36.60	36.36	36.13	35.89	35.64	35.39	35.14	34.88	34.62
22.5	36.60	36.36	36.13	35.89	35.64	35.39	35.14	34.88	34.62
45.0	36.60	36.36	36.13	35.89	35.64	35.39	35.14	34.88	34.62
67.5	36.60	36.36	36.13	35.89	35.64	35.39	35.14	34.88	34.62
90.0	36.60	36.36	36.13	35.89	35.64	35.39	35.14	34.88	34.62
112.5	36.60	36.36	36.13	35.89	35.64	35.39	35.14	34.88	34.62
135.0	36.60	36.36	36.13	35.89	35.64	35.39	35.14	34.88	34.62
157.5	36.60	36.36	36.13	35.89	35.64	35.39	35.14	34.88	34.62
180.0	36.60	36.36	36.13	35.89	35.64	35.39	35.14	34.88	34.62
202.5	36.60	36.36	36.13	35.89	35.64	35.39	35.14	34.88	34.62
225.0	36.60	36.36	36.13	35.89	35.64	35.39	35.14	34.88	34.62
247.5	36.60	36.36	36.13	35.89	35.64	35.39	35.14	34.88	34.62
270.0	36.60	36.36	36.13	35.89	35.64	35.39	35.14	34.88	34.62
292.5	36.60	36.36	36.13	35.89	35.64	35.39	35.14	34.88	34.62
315.0	36.60	36.36	36.13	35.89	35.64	35.39	35.14	34.88	34.62
337.5	36.60	36.36	36.13	35.89	35.64	35.39	35.14	34.88	34.62
360.0	36.60	36.36	36.13	35.89	35.64	35.39	35.14	34.88	34.62
C/γ(°)	126.0	126.5	127.0	127.5	128.0	128.5	129.0	129.5	130.0
0.0	34.36	34.09	33.81	33.54	33.26	32.97	32.68	32.39	32.10
22.5	34.36	34.09	33.81	33.54	33.26	32.97	32.68	32.39	32.10
45.0	34.36	34.09	33.81	33.54	33.26	32.97	32.68	32.39	32.10
67.5	34.36	34.09	33.81	33.54	33.26	32.97	32.68	32.39	32.10
90.0	34.36	34.09	33.81	33.54	33.26	32.97	32.68	32.39	32.10
112.5	34.36	34.09	33.81	33.54	33.26	32.97	32.68	32.39	32.10
135.0	34.36	34.09	33.81	33.54	33.26	32.97	32.68	32.39	32.10
157.5	34.36	34.09	33.81	33.54	33.26	32.97	32.68	32.39	32.10
180.0	34.36	34.09	33.81	33.54	33.26	32.97	32.68	32.39	32.10
202.5	34.36	34.09	33.81	33.54	33.26	32.97	32.68	32.39	32.10
225.0	34.36	34.09	33.81	33.54	33.26	32.97	32.68	32.39	32.10
247.5	34.36	34.09	33.81	33.54	33.26	32.97	32.68	32.39	32.10
270.0	34.36	34.09	33.81	33.54	33.26	32.97	32.68	32.39	32.10
292.5	34.36	34.09	33.81	33.54	33.26	32.97	32.68	32.39	32.10
315.0	34.36	34.09	33.81	33.54	33.26	32.97	32.68	32.39	32.10
337.5	34.36	34.09	33.81	33.54	33.26	32.97	32.68	32.39	32.10
360.0	34.36	34.09	33.81	33.54	33.26	32.97	32.68	32.39	32.10
C/γ(°)	130.5	131.0	131.5	132.0	132.5	133.0	133.5	134.0	134.5
0.0	31.80	31.50	31.20	30.90	30.59	30.28	29.96	29.65	29.33
22.5	31.80	31.50	31.20	30.90	30.59	30.28	29.96	29.65	29.33
45.0	31.80	31.50	31.20	30.90	30.59	30.28	29.96	29.65	29.33
67.5	31.80	31.50	31.20	30.90	30.59	30.28	29.96	29.65	29.33
90.0	31.80	31.50	31.20	30.90	30.59	30.28	29.96	29.65	29.33
112.5	31.80	31.50	31.20	30.90	30.59	30.28	29.96	29.65	29.33
135.0	31.80	31.50	31.20	30.90	30.59	30.28	29.96	29.65	29.33
157.5	31.80	31.50	31.20	30.90	30.59	30.28	29.96	29.65	29.33
180.0	31.80	31.50	31.20	30.90	30.59	30.28	29.96	29.65	29.33
202.5	31.80	31.50	31.20	30.90	30.59	30.28	29.96	29.65	29.33
225.0	31.80	31.50	31.20	30.90	30.59	30.28	29.96	29.65	29.33
247.5	31.80	31.50	31.20	30.90	30.59	30.28	29.96	29.65	29.33
270.0	31.80	31.50	31.20	30.90	30.59	30.28	29.96	29.65	29.33
292.5	31.80	31.50	31.20	30.90	30.59	30.28	29.96	29.65	29.33
315.0	31.80	31.50	31.20	30.90	30.59	30.28	29.96	29.65	29.33
337.5	31.80	31.50	31.20	30.90	30.59	30.28	29.96	29.65	29.33
360.0	31.80	31.50	31.20	30.90	30.59	30.28	29.96	29.65	29.33

Intensity data(cd)							Appendix Page: 31 Total:34		
C/ γ (°)	135.0	135.5	136.0	136.5	137.0	137.5	138.0	138.5	139.0
0.0	29.00	28.67	28.33	27.99	27.65	27.31	26.96	26.60	26.24
22.5	29.00	28.67	28.33	27.99	27.65	27.31	26.96	26.60	26.24
45.0	29.00	28.67	28.33	27.99	27.65	27.31	26.96	26.60	26.24
67.5	29.00	28.67	28.33	27.99	27.65	27.31	26.96	26.60	26.24
90.0	29.00	28.67	28.33	27.99	27.65	27.31	26.96	26.60	26.24
112.5	29.00	28.67	28.33	27.99	27.65	27.31	26.96	26.60	26.24
135.0	29.00	28.67	28.33	27.99	27.65	27.31	26.96	26.60	26.24
157.5	29.00	28.67	28.33	27.99	27.65	27.31	26.96	26.60	26.24
180.0	29.00	28.67	28.33	27.99	27.65	27.31	26.96	26.60	26.24
202.5	29.00	28.67	28.33	27.99	27.65	27.31	26.96	26.60	26.24
225.0	29.00	28.67	28.33	27.99	27.65	27.31	26.96	26.60	26.24
247.5	29.00	28.67	28.33	27.99	27.65	27.31	26.96	26.60	26.24
270.0	29.00	28.67	28.33	27.99	27.65	27.31	26.96	26.60	26.24
292.5	29.00	28.67	28.33	27.99	27.65	27.31	26.96	26.60	26.24
315.0	29.00	28.67	28.33	27.99	27.65	27.31	26.96	26.60	26.24
337.5	29.00	28.67	28.33	27.99	27.65	27.31	26.96	26.60	26.24
360.0	29.00	28.67	28.33	27.99	27.65	27.31	26.96	26.60	26.24
C/ γ (°)	139.5	140.0	140.5	141.0	141.5	142.0	142.5	143.0	143.5
0.0	25.88	25.52	25.15	24.78	24.40	24.02	23.64	23.26	22.88
22.5	25.88	25.52	25.15	24.78	24.40	24.02	23.64	23.26	22.88
45.0	25.88	25.52	25.15	24.78	24.40	24.02	23.64	23.26	22.88
67.5	25.88	25.52	25.15	24.78	24.40	24.02	23.64	23.26	22.88
90.0	25.88	25.52	25.15	24.78	24.40	24.02	23.64	23.26	22.88
112.5	25.88	25.52	25.15	24.78	24.40	24.02	23.64	23.26	22.88
135.0	25.88	25.52	25.15	24.78	24.40	24.02	23.64	23.26	22.88
157.5	25.88	25.52	25.15	24.78	24.40	24.02	23.64	23.26	22.88
180.0	25.88	25.52	25.15	24.78	24.40	24.02	23.64	23.26	22.88
202.5	25.88	25.52	25.15	24.78	24.40	24.02	23.64	23.26	22.88
225.0	25.88	25.52	25.15	24.78	24.40	24.02	23.64	23.26	22.88
247.5	25.88	25.52	25.15	24.78	24.40	24.02	23.64	23.26	22.88
270.0	25.88	25.52	25.15	24.78	24.40	24.02	23.64	23.26	22.88
292.5	25.88	25.52	25.15	24.78	24.40	24.02	23.64	23.26	22.88
315.0	25.88	25.52	25.15	24.78	24.40	24.02	23.64	23.26	22.88
337.5	25.88	25.52	25.15	24.78	24.40	24.02	23.64	23.26	22.88
360.0	25.88	25.52	25.15	24.78	24.40	24.02	23.64	23.26	22.88
C/ γ (°)	144.0	144.5	145.0	145.5	146.0	146.5	147.0	147.5	148.0
0.0	22.50	22.11	21.72	21.32	20.92	20.52	20.11	19.70	19.29
22.5	22.50	22.11	21.72	21.32	20.92	20.52	20.11	19.70	19.29
45.0	22.50	22.11	21.72	21.32	20.92	20.52	20.11	19.70	19.29
67.5	22.50	22.11	21.72	21.32	20.92	20.52	20.11	19.70	19.29
90.0	22.50	22.11	21.72	21.32	20.92	20.52	20.11	19.70	19.29
112.5	22.50	22.11	21.72	21.32	20.92	20.52	20.11	19.70	19.29
135.0	22.50	22.11	21.72	21.32	20.92	20.52	20.11	19.70	19.29
157.5	22.50	22.11	21.72	21.32	20.92	20.52	20.11	19.70	19.29
180.0	22.50	22.11	21.72	21.32	20.92	20.52	20.11	19.70	19.29
202.5	22.50	22.11	21.72	21.32	20.92	20.52	20.11	19.70	19.29
225.0	22.50	22.11	21.72	21.32	20.92	20.52	20.11	19.70	19.29
247.5	22.50	22.11	21.72	21.32	20.92	20.52	20.11	19.70	19.29
270.0	22.50	22.11	21.72	21.32	20.92	20.52	20.11	19.70	19.29
292.5	22.50	22.11	21.72	21.32	20.92	20.52	20.11	19.70	19.29
315.0	22.50	22.11	21.72	21.32	20.92	20.52	20.11	19.70	19.29
337.5	22.50	22.11	21.72	21.32	20.92	20.52	20.11	19.70	19.29
360.0	22.50	22.11	21.72	21.32	20.92	20.52	20.11	19.70	19.29

C/γ(°)	148.5	149.0	149.5	150.0	150.5	151.0	151.5	152.0	152.5
0.0	18.87	18.46	18.04	17.61	17.19	16.77	16.34	15.91	15.49
22.5	18.87	18.46	18.04	17.61	17.19	16.77	16.34	15.91	15.49
45.0	18.87	18.46	18.04	17.61	17.19	16.77	16.34	15.91	15.49
67.5	18.87	18.46	18.04	17.61	17.19	16.77	16.34	15.91	15.49
90.0	18.87	18.46	18.04	17.61	17.19	16.77	16.34	15.91	15.49
112.5	18.87	18.46	18.04	17.61	17.19	16.77	16.34	15.91	15.49
135.0	18.87	18.46	18.04	17.61	17.19	16.77	16.34	15.91	15.49
157.5	18.87	18.46	18.04	17.61	17.19	16.77	16.34	15.91	15.49
180.0	18.87	18.46	18.04	17.61	17.19	16.77	16.34	15.91	15.49
202.5	18.87	18.46	18.04	17.61	17.19	16.77	16.34	15.91	15.49
225.0	18.87	18.46	18.04	17.61	17.19	16.77	16.34	15.91	15.49
247.5	18.87	18.46	18.04	17.61	17.19	16.77	16.34	15.91	15.49
270.0	18.87	18.46	18.04	17.61	17.19	16.77	16.34	15.91	15.49
292.5	18.87	18.46	18.04	17.61	17.19	16.77	16.34	15.91	15.49
315.0	18.87	18.46	18.04	17.61	17.19	16.77	16.34	15.91	15.49
337.5	18.87	18.46	18.04	17.61	17.19	16.77	16.34	15.91	15.49
360.0	18.87	18.46	18.04	17.61	17.19	16.77	16.34	15.91	15.49
C/γ(°)	153.0	153.5	154.0	154.5	155.0	155.5	156.0	156.5	157.0
0.0	15.06	14.63	14.19	13.76	13.33	12.89	12.46	12.02	11.58
22.5	15.06	14.63	14.19	13.76	13.33	12.89	12.46	12.02	11.58
45.0	15.06	14.63	14.19	13.76	13.33	12.89	12.46	12.02	11.58
67.5	15.06	14.63	14.19	13.76	13.33	12.89	12.46	12.02	11.58
90.0	15.06	14.63	14.19	13.76	13.33	12.89	12.46	12.02	11.58
112.5	15.06	14.63	14.19	13.76	13.33	12.89	12.46	12.02	11.58
135.0	15.06	14.63	14.19	13.76	13.33	12.89	12.46	12.02	11.58
157.5	15.06	14.63	14.19	13.76	13.33	12.89	12.46	12.02	11.58
180.0	15.06	14.63	14.19	13.76	13.33	12.89	12.46	12.02	11.58
202.5	15.06	14.63	14.19	13.76	13.33	12.89	12.46	12.02	11.58
225.0	15.06	14.63	14.19	13.76	13.33	12.89	12.46	12.02	11.58
247.5	15.06	14.63	14.19	13.76	13.33	12.89	12.46	12.02	11.58
270.0	15.06	14.63	14.19	13.76	13.33	12.89	12.46	12.02	11.58
292.5	15.06	14.63	14.19	13.76	13.33	12.89	12.46	12.02	11.58
315.0	15.06	14.63	14.19	13.76	13.33	12.89	12.46	12.02	11.58
337.5	15.06	14.63	14.19	13.76	13.33	12.89	12.46	12.02	11.58
360.0	15.06	14.63	14.19	13.76	13.33	12.89	12.46	12.02	11.58
C/γ(°)	157.5	158.0	158.5	159.0	159.5	160.0	160.5	161.0	161.5
0.0	11.10	10.61	10.09	9.53	8.97	8.38	7.76	7.12	6.39
22.5	11.10	10.61	10.09	9.53	8.97	8.38	7.76	7.12	6.39
45.0	11.10	10.61	10.09	9.53	8.97	8.38	7.76	7.12	6.39
67.5	11.10	10.61	10.09	9.53	8.97	8.38	7.76	7.12	6.39
90.0	11.10	10.61	10.09	9.53	8.97	8.38	7.76	7.12	6.39
112.5	11.10	10.61	10.09	9.53	8.97	8.38	7.76	7.12	6.39
135.0	11.10	10.61	10.09	9.53	8.97	8.38	7.76	7.12	6.39
157.5	11.10	10.61	10.09	9.53	8.97	8.38	7.76	7.12	6.39
180.0	11.10	10.61	10.09	9.53	8.97	8.38	7.76	7.12	6.39
202.5	11.10	10.61	10.09	9.53	8.97	8.38	7.76	7.12	6.39
225.0	11.10	10.61	10.09	9.53	8.97	8.38	7.76	7.12	6.39
247.5	11.10	10.61	10.09	9.53	8.97	8.38	7.76	7.12	6.39
270.0	11.10	10.61	10.09	9.53	8.97	8.38	7.76	7.12	6.39
292.5	11.10	10.61	10.09	9.53	8.97	8.38	7.76	7.12	6.39
315.0	11.10	10.61	10.09	9.53	8.97	8.38	7.76	7.12	6.39
337.5	11.10	10.61	10.09	9.53	8.97	8.38	7.76	7.12	6.39
360.0	11.10	10.61	10.09	9.53	8.97	8.38	7.76	7.12	6.39

C/γ(°)	162.0	162.5	163.0	163.5	164.0	164.5	165.0	165.5	166.0
0.0	5.59	4.70	3.91	3.17	2.46	1.77	1.17	0.67	0.33
22.5	5.59	4.70	3.91	3.17	2.46	1.77	1.17	0.67	0.33
45.0	5.59	4.70	3.91	3.17	2.46	1.77	1.17	0.67	0.33
67.5	5.59	4.70	3.91	3.17	2.46	1.77	1.17	0.67	0.33
90.0	5.59	4.70	3.91	3.17	2.46	1.77	1.17	0.67	0.33
112.5	5.59	4.70	3.91	3.17	2.46	1.77	1.17	0.67	0.33
135.0	5.59	4.70	3.91	3.17	2.46	1.77	1.17	0.67	0.33
157.5	5.59	4.70	3.91	3.17	2.46	1.77	1.17	0.67	0.33
180.0	5.59	4.70	3.91	3.17	2.46	1.77	1.17	0.67	0.33
202.5	5.59	4.70	3.91	3.17	2.46	1.77	1.17	0.67	0.33
225.0	5.59	4.70	3.91	3.17	2.46	1.77	1.17	0.67	0.33
247.5	5.59	4.70	3.91	3.17	2.46	1.77	1.17	0.67	0.33
270.0	5.59	4.70	3.91	3.17	2.46	1.77	1.17	0.67	0.33
292.5	5.59	4.70	3.91	3.17	2.46	1.77	1.17	0.67	0.33
315.0	5.59	4.70	3.91	3.17	2.46	1.77	1.17	0.67	0.33
337.5	5.59	4.70	3.91	3.17	2.46	1.77	1.17	0.67	0.33
360.0	5.59	4.70	3.91	3.17	2.46	1.77	1.17	0.67	0.33
C/γ(°)	166.5	167.0	167.5	168.0	168.5	169.0	169.5	170.0	170.5
0.0	0.15	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05
22.5	0.15	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05
45.0	0.15	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05
67.5	0.15	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05
90.0	0.15	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05
112.5	0.15	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05
135.0	0.15	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05
157.5	0.15	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05
180.0	0.15	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05
202.5	0.15	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05
225.0	0.15	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05
247.5	0.15	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05
270.0	0.15	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05
292.5	0.15	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05
315.0	0.15	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05
337.5	0.15	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05
360.0	0.15	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05
C/γ(°)	171.0	171.5	172.0	172.5	173.0	173.5	174.0	174.5	175.0
0.0	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
22.5	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
45.0	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
67.5	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
90.0	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
112.5	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
135.0	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
157.5	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
180.0	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
202.5	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
225.0	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
247.5	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
270.0	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
292.5	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
315.0	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
337.5	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
360.0	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04

Intensity data(cd)									Appendix Page: 34 Total:34
C/ γ (°)	175.5	176.0	176.5	177.0	177.5	178.0	178.5	179.0	179.5
0.0	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.04
22.5	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.04
45.0	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.04
67.5	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.04
90.0	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.04
112.5	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.04
135.0	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.04
157.5	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.04
180.0	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.04
202.5	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.04
225.0	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.04
247.5	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.04
270.0	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.04
292.5	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.04
315.0	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.04
337.5	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.04
360.0	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.04
C/ γ (°)	180.0								
0.0	0.03								
22.5	0.03								
45.0	0.03								
67.5	0.03								
90.0	0.03								
112.5	0.03								
135.0	0.03								
157.5	0.03								
180.0	0.03								
202.5	0.03								
225.0	0.03								
247.5	0.03								
270.0	0.03								
292.5	0.03								
315.0	0.03								
337.5	0.03								
360.0	0.03								