

Report No	:	Voltage	: 230 V
Test No	: A2114246A001	Current	: 0.0261 A
LumCAT	: LIT by CARDI	Power	: 4.200 W
Luminaire	: 19590032 LAFLA02 4.2W 2700K 470lm	PF	: 0.7
LampCAT	:	Ballast type	:
Lamp flux	: 470.0 lm	Width	: -35 mm
Number of Lamps	: 1	Length	: -35 mm
Phm Type	: C	Height	: 51 mm

Photometric Results

Lumens(lm)	: 470.00	Central intensity(cd)	: 30.656
Efficiency(%)	: 100.00%	Maximum intensity(cd)	: 56.317
Luminous Efficacy(lm/W)	: 111.90	Angle of maximum intensity	: C=0.0 γ =56.0
Beam Angle(50%Imax)	: [C0/180]Total=271.0 [C90/270]Total=271.0		
Field angle(10%Imax)	: [C0/180]Total=320.6 [C90/270]Total=320.6		
Maximum s/h(1/2)	: C0_180=2.34 C90_270=2.34		
Maximum s/h(1/4)	: C0_180=2.36 C90_270=2.36		
Up flux rate of lamp(%)	: 31.98%		
Down flux rate of lamp(%)	: 68.02%		
Up flux rate of LUM(%)	: 31.98%		
Down flux rate of LUM(%)	: 68.02%		
CIE Type	: Semidirect lighting		
Output flux ratio in π solid angle :	: 33.780%		

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	30.656	0.000	0	0.00%	0.00%
0.5	30.673	0.007	0.007	0.00%	0.00%
1.0	30.714	0.022	0.029	0.00%	0.01%
1.5	30.769	0.037	0.066	0.01%	0.01%
2.0	30.839	0.052	0.118	0.01%	0.03%
2.5	30.924	0.066	0.184	0.01%	0.04%
3.0	31.030	0.081	0.266	0.02%	0.06%
3.5	31.152	0.097	0.362	0.02%	0.08%
4.0	31.291	0.112	0.474	0.02%	0.10%
4.5	31.445	0.127	0.602	0.03%	0.13%
5.0	31.613	0.143	0.745	0.03%	0.16%
5.5	31.794	0.159	0.904	0.03%	0.19%
6.0	31.990	0.175	1.079	0.04%	0.23%
6.5	32.194	0.192	1.271	0.04%	0.27%
7.0	32.411	0.208	1.479	0.04%	0.31%
7.5	32.642	0.225	1.704	0.05%	0.36%
8.0	32.885	0.242	1.946	0.05%	0.41%
8.5	33.137	0.260	2.206	0.06%	0.47%
9.0	33.400	0.277	2.483	0.06%	0.53%
9.5	33.674	0.296	2.779	0.06%	0.59%
10.0	33.957	0.314	3.093	0.07%	0.66%
10.5	34.248	0.333	3.426	0.07%	0.73%
11.0	34.547	0.352	3.778	0.07%	0.80%
11.5	34.852	0.371	4.149	0.08%	0.88%
12.0	35.164	0.391	4.54	0.08%	0.97%
12.5	35.482	0.411	4.951	0.09%	1.05%
13.0	35.807	0.431	5.382	0.09%	1.15%
13.5	36.136	0.452	5.834	0.10%	1.24%
14.0	36.469	0.473	6.307	0.10%	1.34%
14.5	36.807	0.494	6.802	0.11%	1.45%
15.0	37.151	0.516	7.318	0.11%	1.56%
15.5	37.499	0.538	7.856	0.11%	1.67%
16.0	37.847	0.561	8.417	0.12%	1.79%
16.5	38.197	0.583	9	0.12%	1.91%
17.0	38.551	0.606	9.607	0.13%	2.04%
17.5	38.905	0.630	10.236	0.13%	2.18%
18.0	39.261	0.653	10.89	0.14%	2.32%
18.5	39.619	0.677	11.567	0.14%	2.46%

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	39.980	0.701	12.268	0.15%	2.61%
19.5	40.342	0.726	12.994	0.15%	2.76%
20.0	40.703	0.751	13.745	0.16%	2.92%
20.5	41.062	0.776	14.521	0.17%	3.09%
21.0	41.420	0.801	15.322	0.17%	3.26%
21.5	41.778	0.827	16.149	0.18%	3.44%
22.0	42.136	0.852	17.001	0.18%	3.62%
22.5	42.493	0.879	17.88	0.19%	3.80%
23.0	42.850	0.905	18.785	0.19%	4.00%
23.5	43.203	0.931	19.716	0.20%	4.19%
24.0	43.552	0.958	20.674	0.20%	4.40%
24.5	43.903	0.985	21.659	0.21%	4.61%
25.0	44.249	1.012	22.67	0.22%	4.82%
25.5	44.593	1.039	23.709	0.22%	5.04%
26.0	44.935	1.066	24.776	0.23%	5.27%
26.5	45.275	1.094	25.869	0.23%	5.50%
27.0	45.614	1.122	26.991	0.24%	5.74%
27.5	45.949	1.149	28.14	0.24%	5.99%
28.0	46.278	1.177	29.318	0.25%	6.24%
28.5	46.605	1.205	30.523	0.26%	6.49%
29.0	46.930	1.233	31.756	0.26%	6.76%
29.5	47.250	1.262	33.018	0.27%	7.03%
30.0	47.565	1.290	34.308	0.27%	7.30%
30.5	47.880	1.318	35.626	0.28%	7.58%
31.0	48.190	1.347	36.973	0.29%	7.87%
31.5	48.493	1.375	38.348	0.29%	8.16%
32.0	48.792	1.403	39.751	0.30%	8.46%
32.5	49.089	1.432	41.183	0.30%	8.76%
33.0	49.383	1.460	42.644	0.31%	9.07%
33.5	49.667	1.489	44.133	0.32%	9.39%
34.0	49.946	1.517	45.65	0.32%	9.71%
34.5	50.221	1.546	47.195	0.33%	10.04%
35.0	50.493	1.574	48.769	0.33%	10.38%
35.5	50.759	1.602	50.371	0.34%	10.72%
36.0	51.019	1.630	52.001	0.35%	11.06%
36.5	51.271	1.658	53.66	0.35%	11.42%
37.0	51.520	1.686	55.346	0.36%	11.78%
37.5	51.766	1.714	57.06	0.36%	12.14%

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	52.005	1.742	58.801	0.37%	12.51%
38.5	52.236	1.769	60.571	0.38%	12.89%
39.0	52.464	1.797	62.367	0.38%	13.27%
39.5	52.686	1.824	64.191	0.39%	13.66%
40.0	52.899	1.851	66.042	0.39%	14.05%
40.5	53.104	1.878	67.92	0.40%	14.45%
41.0	53.305	1.904	69.824	0.41%	14.86%
41.5	53.500	1.931	71.755	0.41%	15.27%
42.0	53.689	1.957	73.712	0.42%	15.68%
42.5	53.872	1.983	75.694	0.42%	16.11%
43.0	54.051	2.008	77.703	0.43%	16.53%
43.5	54.223	2.034	79.737	0.43%	16.97%
44.0	54.387	2.059	81.796	0.44%	17.40%
44.5	54.541	2.084	83.879	0.44%	17.85%
45.0	54.690	2.108	85.988	0.45%	18.30%
45.5	54.835	2.132	88.12	0.45%	18.75%
46.0	54.974	2.156	90.277	0.46%	19.21%
46.5	55.107	2.180	92.457	0.46%	19.67%
47.0	55.231	2.203	94.66	0.47%	20.14%
47.5	55.347	2.226	96.886	0.47%	20.61%
48.0	55.460	2.249	99.135	0.48%	21.09%
48.5	55.566	2.271	101.406	0.48%	21.58%
49.0	55.662	2.293	103.698	0.49%	22.06%
49.5	55.751	2.314	106.012	0.49%	22.56%
50.0	55.834	2.335	108.347	0.50%	23.05%
50.5	55.913	2.355	110.702	0.50%	23.55%
51.0	55.984	2.376	113.078	0.51%	24.06%
51.5	56.047	2.395	115.473	0.51%	24.57%
52.0	56.106	2.415	117.888	0.51%	25.08%
52.5	56.159	2.434	120.322	0.52%	25.60%
53.0	56.203	2.452	122.774	0.52%	26.12%
53.5	56.238	2.470	125.244	0.53%	26.65%
54.0	56.264	2.487	127.731	0.53%	27.18%
54.5	56.286	2.504	130.235	0.53%	27.71%
55.0	56.304	2.521	132.756	0.54%	28.25%
55.5	56.314	2.537	135.293	0.54%	28.79%
56.0	56.317	2.552	137.845	0.54%	29.33%
56.5	56.313	2.567	140.412	0.55%	29.87%

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	56.304	2.582	142.994	0.55%	30.42%
57.5	56.289	2.596	145.591	0.55%	30.98%
58.0	56.267	2.610	148.2	0.56%	31.53%
58.5	56.236	2.623	150.823	0.56%	32.09%
59.0	56.200	2.635	153.458	0.56%	32.65%
59.5	56.158	2.647	156.106	0.56%	33.21%
60.0	56.109	2.659	158.764	0.57%	33.78%
60.5	56.054	2.670	161.434	0.57%	34.35%
61.0	55.992	2.680	164.114	0.57%	34.92%
61.5	55.924	2.690	166.804	0.57%	35.49%
62.0	55.851	2.699	169.504	0.57%	36.06%
62.5	55.770	2.708	172.212	0.58%	36.64%
63.0	55.684	2.716	174.928	0.58%	37.22%
63.5	55.593	2.724	177.652	0.58%	37.80%
64.0	55.497	2.732	180.384	0.58%	38.38%
64.5	55.393	2.738	183.122	0.58%	38.96%
65.0	55.283	2.744	185.866	0.58%	39.55%
65.5	55.169	2.750	188.616	0.59%	40.13%
66.0	55.047	2.755	191.371	0.59%	40.72%
66.5	54.922	2.760	194.131	0.59%	41.30%
67.0	54.791	2.764	196.895	0.59%	41.89%
67.5	54.654	2.767	199.662	0.59%	42.48%
68.0	54.511	2.770	202.432	0.59%	43.07%
68.5	54.363	2.772	205.204	0.59%	43.66%
69.0	54.205	2.774	207.978	0.59%	44.25%
69.5	54.045	2.775	210.753	0.59%	44.84%
70.0	53.884	2.776	213.529	0.59%	45.43%
70.5	53.718	2.776	216.306	0.59%	46.02%
71.0	53.543	2.776	219.082	0.59%	46.61%
71.5	53.360	2.775	221.857	0.59%	47.20%
72.0	53.178	2.774	224.631	0.59%	47.79%
72.5	52.993	2.772	227.403	0.59%	48.38%
73.0	52.800	2.770	230.173	0.59%	48.97%
73.5	52.601	2.767	232.94	0.59%	49.56%
74.0	52.400	2.764	235.704	0.59%	50.15%
74.5	52.198	2.760	238.464	0.59%	50.74%
75.0	51.990	2.756	241.219	0.59%	51.32%
75.5	51.774	2.751	243.97	0.59%	51.91%

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	51.551	2.746	246.716	0.58%	52.49%
76.5	51.330	2.740	249.456	0.58%	53.08%
77.0	51.104	2.734	252.189	0.58%	53.66%
77.5	50.872	2.727	254.916	0.58%	54.24%
78.0	50.639	2.720	257.636	0.58%	54.82%
78.5	50.401	2.712	260.348	0.58%	55.39%
79.0	50.160	2.704	263.052	0.58%	55.97%
79.5	49.916	2.695	265.747	0.57%	56.54%
80.0	49.670	2.687	268.434	0.57%	57.11%
80.5	49.418	2.677	271.111	0.57%	57.68%
81.0	49.160	2.667	273.778	0.57%	58.25%
81.5	48.902	2.657	276.436	0.57%	58.82%
82.0	48.641	2.647	279.082	0.56%	59.38%
82.5	48.378	2.636	281.718	0.56%	59.94%
83.0	48.112	2.624	284.342	0.56%	60.50%
83.5	47.844	2.612	286.954	0.56%	61.05%
84.0	47.570	2.600	289.554	0.55%	61.61%
84.5	47.295	2.588	292.142	0.55%	62.16%
85.0	47.017	2.575	294.717	0.55%	62.71%
85.5	46.737	2.561	297.278	0.54%	63.25%
86.0	46.454	2.548	299.826	0.54%	63.79%
86.5	46.171	2.534	302.36	0.54%	64.33%
87.0	45.884	2.520	304.88	0.54%	64.87%
87.5	45.595	2.505	307.385	0.53%	65.40%
88.0	45.302	2.490	309.875	0.53%	65.93%
88.5	45.010	2.475	312.35	0.53%	66.46%
89.0	44.714	2.459	314.809	0.52%	66.98%
89.5	44.415	2.443	317.252	0.52%	67.50%
90.0	44.114	2.427	319.679	0.52%	68.02%
90.5	43.812	2.411	322.09	0.51%	68.53%
91.0	43.510	2.394	324.484	0.51%	69.04%
91.5	43.207	2.377	326.86	0.51%	69.54%
92.0	42.898	2.360	329.22	0.50%	70.05%
92.5	42.589	2.342	331.562	0.50%	70.55%
93.0	42.281	2.324	333.886	0.49%	71.04%
93.5	41.970	2.306	336.192	0.49%	71.53%
94.0	41.658	2.288	338.48	0.49%	72.02%
94.5	41.344	2.269	340.749	0.48%	72.50%

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	41.029	2.251	343	0.48%	72.98%
95.5	40.714	2.232	345.231	0.47%	73.45%
96.0	40.397	2.213	347.444	0.47%	73.92%
96.5	40.079	2.193	349.637	0.47%	74.39%
97.0	39.760	2.174	351.811	0.46%	74.85%
97.5	39.443	2.154	353.965	0.46%	75.31%
98.0	39.124	2.134	356.099	0.45%	75.77%
98.5	38.803	2.114	358.213	0.45%	76.22%
99.0	38.480	2.094	360.307	0.45%	76.66%
99.5	38.157	2.074	362.381	0.44%	77.10%
100.0	37.836	2.053	364.434	0.44%	77.54%
100.5	37.512	2.033	366.467	0.43%	77.97%
101.0	37.187	2.012	368.479	0.43%	78.40%
101.5	36.862	1.991	370.47	0.42%	78.82%
102.0	36.538	1.970	372.44	0.42%	79.24%
102.5	36.214	1.949	374.389	0.41%	79.66%
103.0	35.888	1.928	376.317	0.41%	80.07%
103.5	35.562	1.907	378.224	0.41%	80.47%
104.0	35.236	1.885	380.109	0.40%	80.87%
104.5	34.911	1.864	381.973	0.40%	81.27%
105.0	34.586	1.843	383.816	0.39%	81.66%
105.5	34.259	1.821	385.637	0.39%	82.05%
106.0	33.932	1.799	387.436	0.38%	82.43%
106.5	33.606	1.778	389.214	0.38%	82.81%
107.0	33.279	1.756	390.969	0.37%	83.18%
107.5	32.954	1.734	392.704	0.37%	83.55%
108.0	32.628	1.712	394.416	0.36%	83.92%
108.5	32.302	1.691	396.107	0.36%	84.28%
109.0	31.975	1.669	397.775	0.36%	84.63%
109.5	31.647	1.647	399.422	0.35%	84.98%
110.0	31.322	1.625	401.047	0.35%	85.33%
110.5	30.997	1.603	402.65	0.34%	85.67%
111.0	30.671	1.581	404.231	0.34%	86.01%
111.5	30.345	1.559	405.79	0.33%	86.34%
112.0	30.020	1.537	407.327	0.33%	86.67%
112.5	29.697	1.515	408.842	0.32%	86.99%
113.0	29.372	1.493	410.335	0.32%	87.31%
113.5	29.047	1.472	411.807	0.31%	87.62%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	28.722	1.450	413.257	0.31%	87.93%
114.5	28.399	1.428	414.684	0.30%	88.23%
115.0	28.077	1.406	416.09	0.30%	88.53%
115.5	27.754	1.384	417.475	0.29%	88.82%
116.0	27.432	1.363	418.838	0.29%	89.11%
116.5	27.110	1.341	420.179	0.29%	89.40%
117.0	26.790	1.320	421.498	0.28%	89.68%
117.5	26.469	1.298	422.796	0.28%	89.96%
118.0	26.147	1.277	424.073	0.27%	90.23%
118.5	25.828	1.255	425.328	0.27%	90.50%
119.0	25.509	1.234	426.562	0.26%	90.76%
119.5	25.190	1.213	427.775	0.26%	91.02%
120.0	24.869	1.192	428.966	0.25%	91.27%
120.5	24.551	1.170	430.137	0.25%	91.52%
121.0	24.235	1.149	431.286	0.24%	91.76%
121.5	23.918	1.129	432.415	0.24%	92.00%
122.0	23.599	1.108	433.522	0.24%	92.24%
122.5	23.283	1.087	434.609	0.23%	92.47%
123.0	22.970	1.066	435.676	0.23%	92.70%
123.5	22.656	1.046	436.722	0.22%	92.92%
124.0	22.340	1.026	437.748	0.22%	93.14%
124.5	22.026	1.005	438.753	0.21%	93.35%
125.0	21.712	0.985	439.738	0.21%	93.56%
125.5	21.401	0.965	440.704	0.21%	93.77%
126.0	21.089	0.945	441.649	0.20%	93.97%
126.5	20.777	0.926	442.575	0.20%	94.16%
127.0	20.466	0.906	443.481	0.19%	94.36%
127.5	20.158	0.887	444.367	0.19%	94.55%
128.0	19.850	0.867	445.234	0.18%	94.73%
128.5	19.542	0.848	446.082	0.18%	94.91%
129.0	19.234	0.829	446.911	0.18%	95.09%
129.5	18.927	0.810	447.722	0.17%	95.26%
130.0	18.621	0.791	448.513	0.17%	95.43%
130.5	18.316	0.773	449.286	0.16%	95.59%
131.0	18.013	0.755	450.04	0.16%	95.75%
131.5	17.709	0.736	450.777	0.16%	95.91%
132.0	17.406	0.718	451.495	0.15%	96.06%
132.5	17.105	0.700	452.195	0.15%	96.21%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
133.0	16.804	0.683	452.878	0.15%	96.36%
133.5	16.504	0.665	453.543	0.14%	96.50%
134.0	16.206	0.648	454.191	0.14%	96.64%
134.5	15.908	0.631	454.822	0.13%	96.77%
135.0	15.612	0.614	455.435	0.13%	96.90%
135.5	15.316	0.597	456.032	0.13%	97.03%
136.0	15.020	0.580	456.613	0.12%	97.15%
136.5	14.727	0.564	457.176	0.12%	97.27%
137.0	14.436	0.548	457.724	0.12%	97.39%
137.5	14.144	0.532	458.256	0.11%	97.50%
138.0	13.855	0.516	458.772	0.11%	97.61%
138.5	13.567	0.501	459.273	0.11%	97.72%
139.0	13.279	0.485	459.758	0.10%	97.82%
139.5	12.992	0.470	460.228	0.10%	97.92%
140.0	12.707	0.455	460.684	0.10%	98.02%
140.5	12.422	0.441	461.124	0.09%	98.11%
141.0	12.140	0.426	461.55	0.09%	98.20%
141.5	11.859	0.412	461.962	0.09%	98.29%
142.0	11.580	0.398	462.36	0.08%	98.37%
142.5	11.303	0.384	462.744	0.08%	98.46%
143.0	11.026	0.371	463.114	0.08%	98.53%
143.5	10.752	0.357	463.472	0.08%	98.61%
144.0	10.481	0.344	463.816	0.07%	98.68%
144.5	10.210	0.331	464.147	0.07%	98.75%
145.0	9.942	0.319	464.466	0.07%	98.82%
145.5	9.676	0.307	464.773	0.07%	98.89%
146.0	9.413	0.295	465.067	0.06%	98.95%
146.5	9.151	0.283	465.35	0.06%	99.01%
147.0	8.890	0.271	465.621	0.06%	99.07%
147.5	8.631	0.260	465.881	0.06%	99.12%
148.0	8.375	0.249	466.13	0.05%	99.18%
148.5	8.122	0.238	466.368	0.05%	99.23%
149.0	7.871	0.227	466.595	0.05%	99.28%
149.5	7.623	0.217	466.812	0.05%	99.32%
150.0	7.377	0.207	467.02	0.04%	99.37%
150.5	7.133	0.197	467.217	0.04%	99.41%
151.0	6.891	0.188	467.405	0.04%	99.45%
151.5	6.650	0.179	467.583	0.04%	99.49%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	6.412	0.169	467.753	0.04%	99.52%
152.5	6.179	0.161	467.914	0.03%	99.56%
153.0	5.951	0.152	468.066	0.03%	99.59%
153.5	5.727	0.144	468.21	0.03%	99.62%
154.0	5.507	0.136	468.346	0.03%	99.65%
154.5	5.290	0.129	468.475	0.03%	99.68%
155.0	5.076	0.121	468.596	0.03%	99.70%
155.5	4.866	0.114	468.71	0.02%	99.73%
156.0	4.661	0.107	468.817	0.02%	99.75%
156.5	4.460	0.101	468.918	0.02%	99.77%
157.0	4.263	0.094	469.013	0.02%	99.79%
157.5	4.070	0.088	469.101	0.02%	99.81%
158.0	3.881	0.083	469.183	0.02%	99.83%
158.5	3.698	0.077	469.26	0.02%	99.84%
159.0	3.519	0.072	469.332	0.02%	99.86%
159.5	3.345	0.067	469.399	0.01%	99.87%
160.0	3.176	0.062	469.461	0.01%	99.89%
160.5	3.010	0.057	469.518	0.01%	99.90%
161.0	2.849	0.053	469.571	0.01%	99.91%
161.5	2.692	0.049	469.62	0.01%	99.92%
162.0	2.539	0.045	469.665	0.01%	99.93%
162.5	2.391	0.041	469.706	0.01%	99.94%
163.0	2.248	0.038	469.744	0.01%	99.95%
163.5	2.109	0.034	469.778	0.01%	99.95%
164.0	1.973	0.031	469.809	0.01%	99.96%
164.5	1.839	0.028	469.838	0.01%	99.97%
165.0	1.705	0.026	469.863	0.01%	99.97%
165.5	1.570	0.023	469.886	0.00%	99.98%
166.0	1.432	0.020	469.906	0.00%	99.98%
166.5	1.290	0.018	469.924	0.00%	99.98%
167.0	1.140	0.015	469.939	0.00%	99.99%
167.5	0.977	0.013	469.952	0.00%	99.99%
168.0	0.823	0.010	469.963	0.00%	99.99%
168.5	0.690	0.008	469.971	0.00%	99.99%
169.0	0.574	0.007	469.978	0.00%	100.00%
169.5	0.468	0.005	469.983	0.00%	100.00%
170.0	0.373	0.004	469.987	0.00%	100.00%
170.5	0.295	0.003	469.99	0.00%	100.00%

Zonal flux distribution table

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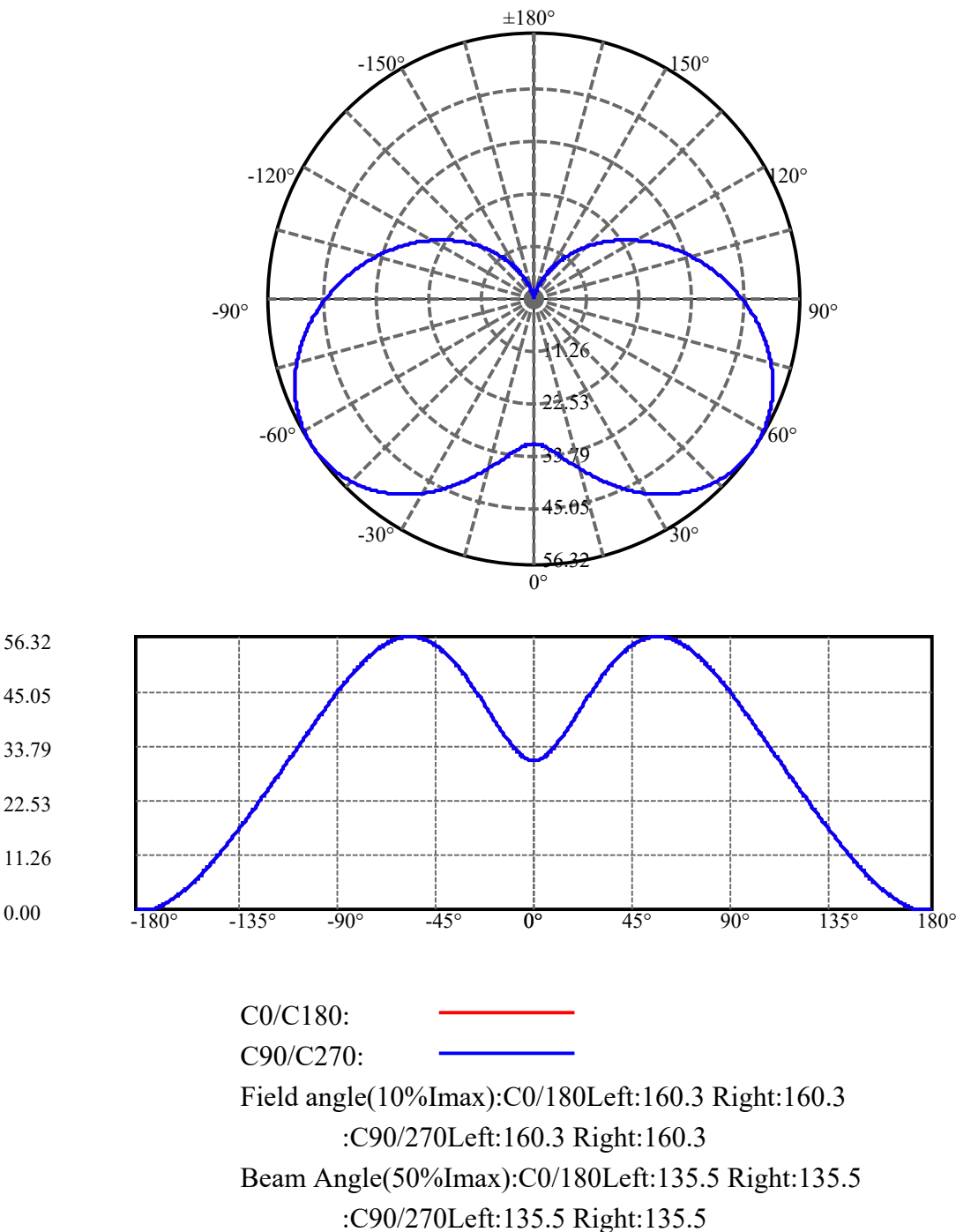
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
171.0	0.227	0.002	469.993	0.00%	100.00%
171.5	0.166	0.002	469.994	0.00%	100.00%
172.0	0.113	0.001	469.995	0.00%	100.00%
172.5	0.083	0.001	469.996	0.00%	100.00%
173.0	0.074	0.001	469.997	0.00%	100.00%
173.5	0.073	0.000	469.997	0.00%	100.00%
174.0	0.073	0.000	469.998	0.00%	100.00%
174.5	0.073	0.000	469.998	0.00%	100.00%
175.0	0.073	0.000	469.998	0.00%	100.00%
175.5	0.073	0.000	469.999	0.00%	100.00%
176.0	0.074	0.000	469.999	0.00%	100.00%
176.5	0.074	0.000	469.999	0.00%	100.00%
177.0	0.074	0.000	469.999	0.00%	100.00%
177.5	0.074	0.000	470	0.00%	100.00%
178.0	0.074	0.000	470	0.00%	100.00%
178.5	0.075	0.000	470	0.00%	100.00%
179.0	0.076	0.000	470	0.00%	100.00%
179.5	0.076	0.000	470	0.00%	100.00%
180.0	0.077	0.000	470	0.00%	100.00%

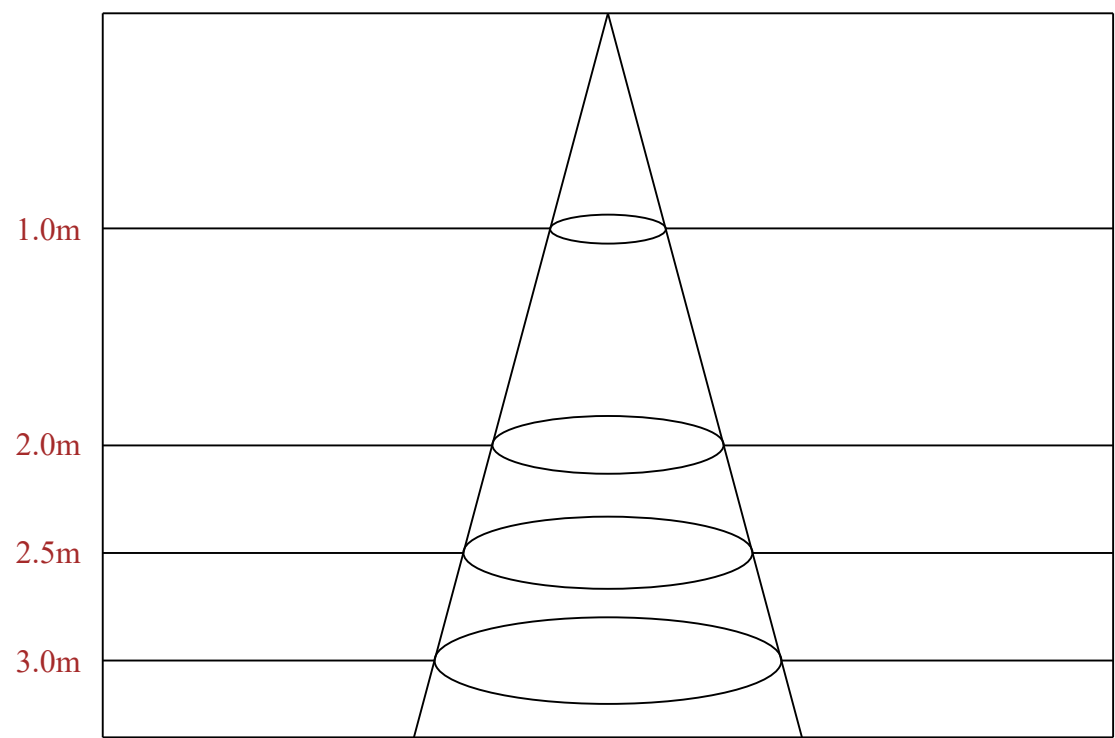
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	34.31	7.30%	7.30%
0-40	66.04	14.05%	14.05%
0-60	158.76	33.78%	33.78%
0-90	319.68	68.02%	68.02%
0-120	428.97	91.27%	91.27%
0-180	470.00	100.00%	100.00%
60-90	160.91	34.24%	34.24%
90-120	109.29	23.25%	23.25%
90-130	128.83	27.41%	27.41%
90-150	147.34	31.35%	31.35%
90-180	150.32	31.98%	31.98%
0-102.92	376.00	80.00%	80.00%

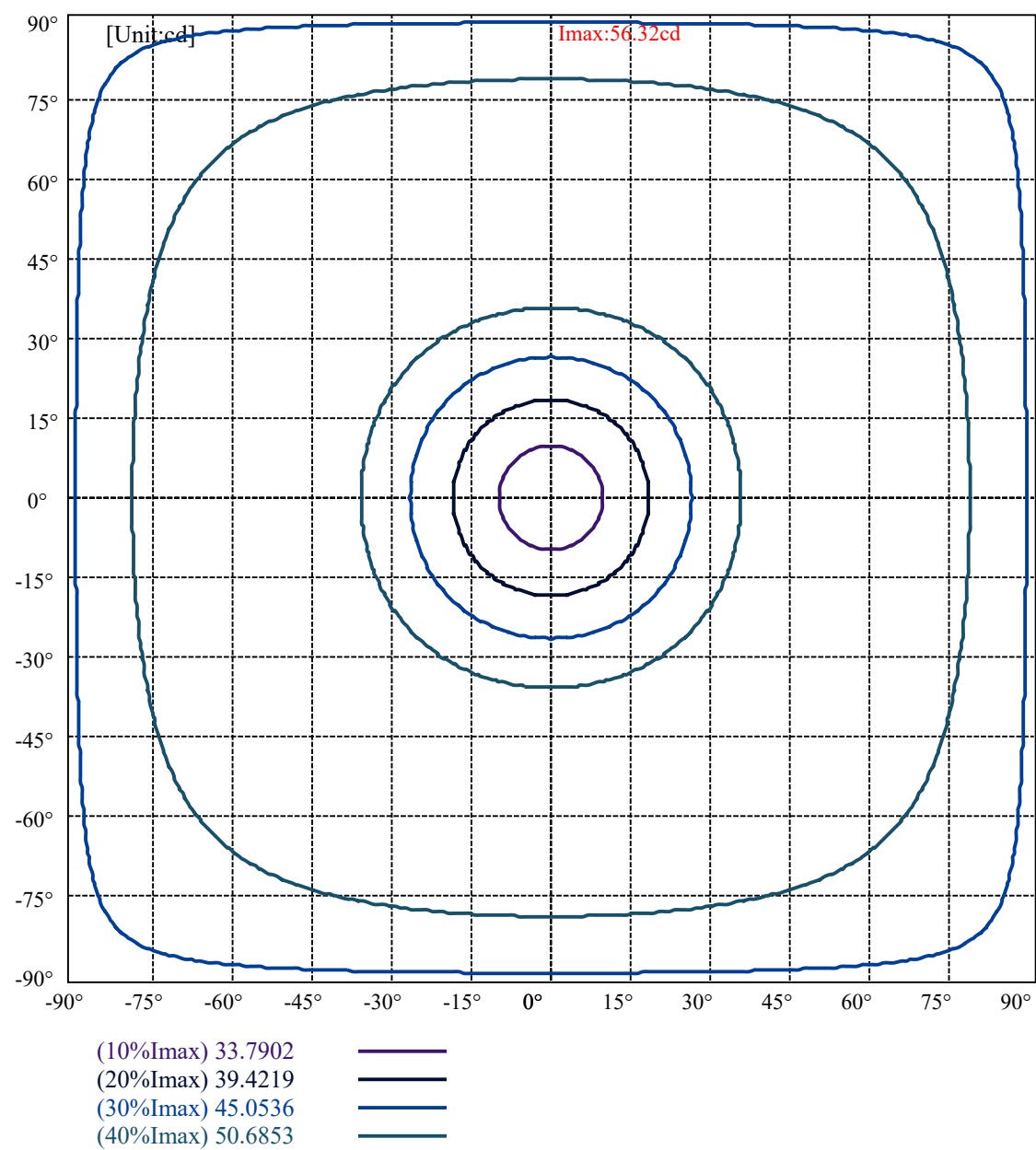
ZONAL LUMEN SUMMARY

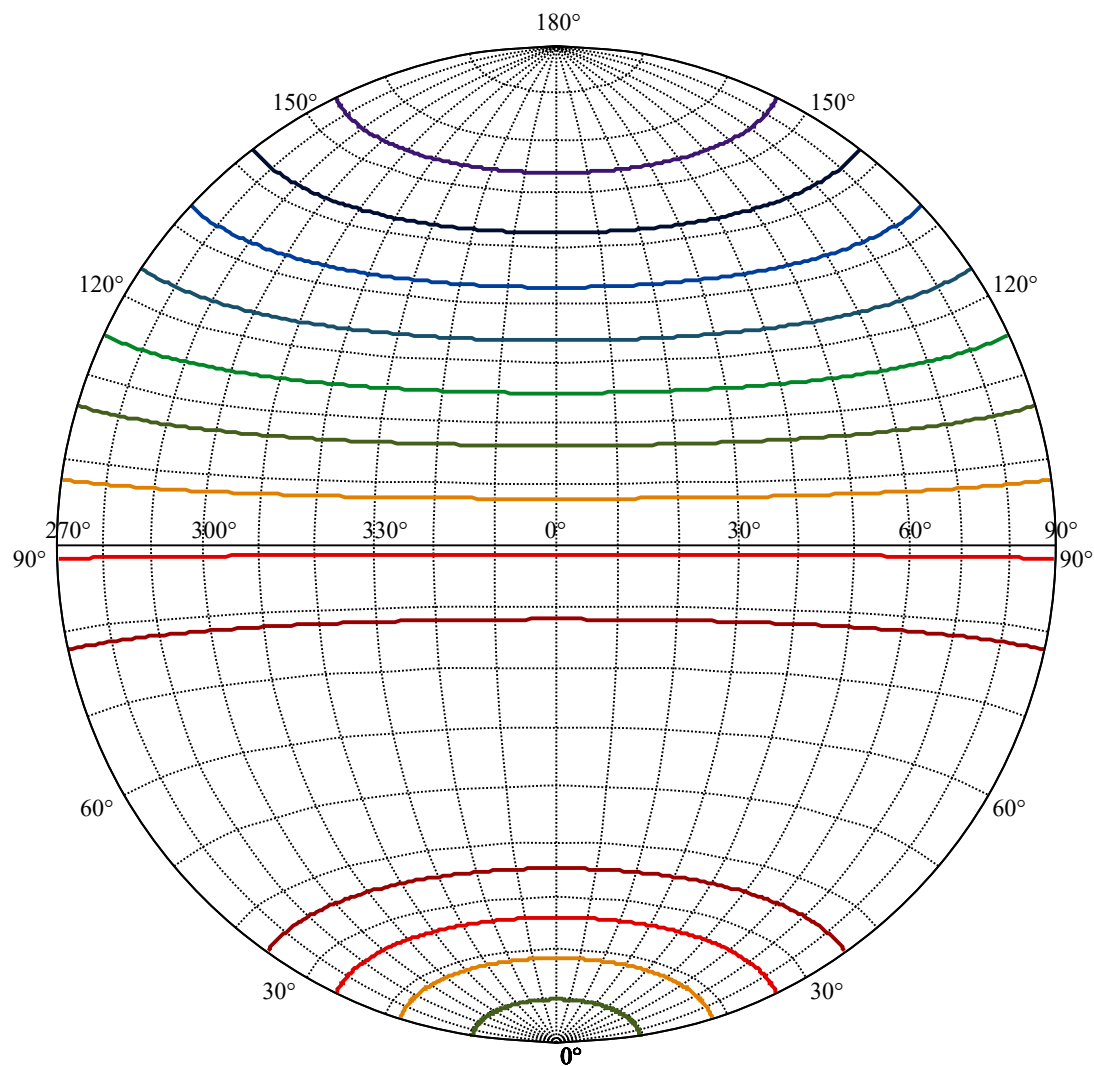
0-10	3.09
10-20	10.65
20-30	20.56
30-40	31.73
40-50	42.30
50-60	50.42
60-70	54.76
70-80	54.90
80-90	51.25
90-100	44.75
100-110	36.61
110-120	27.92
120-130	19.55
130-140	12.17
140-150	6.34
150-160	2.44
160-170	0.53
170-180	0.01





Max , Ave Beam angle of C0 plane 271.40



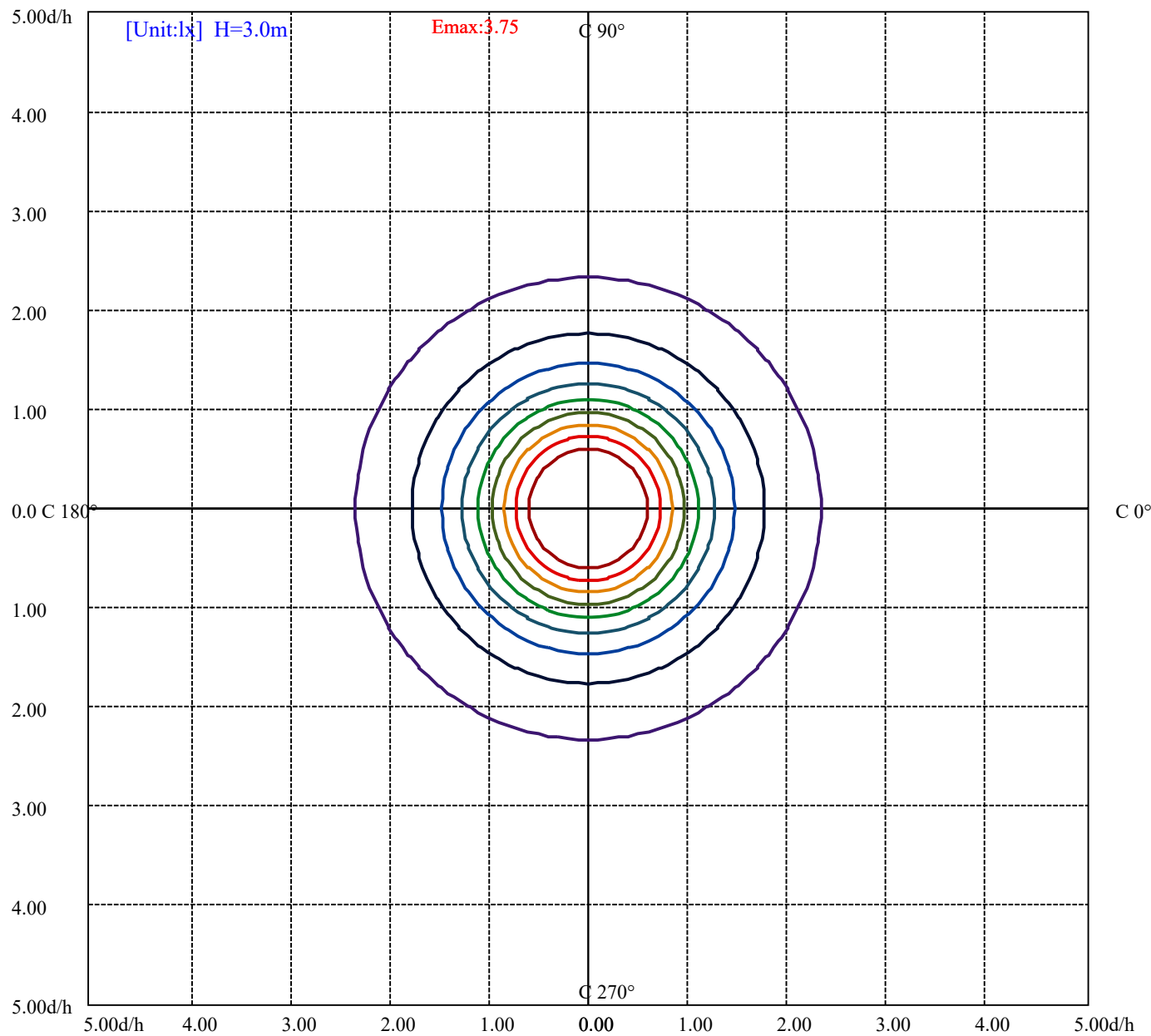


House

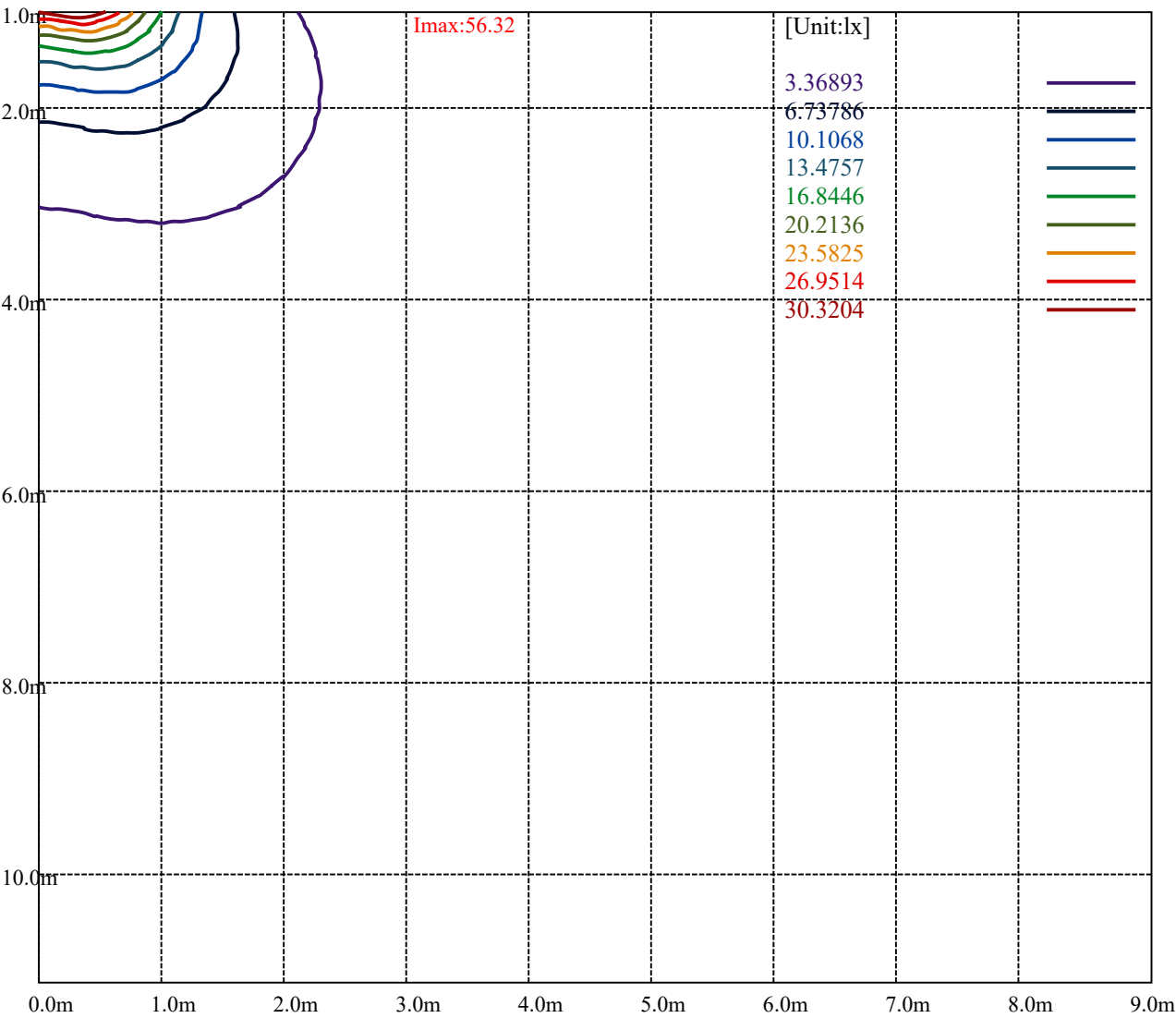
[Unit:cd]

Road

Imax:56.32	
(10%Imax) 5.6317	
(20%Imax) 11.2634	
(30%Imax) 16.8951	
(40%Imax) 22.5268	
(50%Imax) 28.1585	
(60%Imax) 33.7902	
(70%Imax) 39.4219	
(80%Imax) 45.0536	
(90%Imax) 50.6853	



(10%Emax) 0.3753456	
(20%Emax) 0.7506911	
(30%Emax) 1.126033	
(40%Emax) 1.501378	
(50%Emax) 1.876722	
(60%Emax) 2.252078	
(70%Emax) 2.627422	
(80%Emax) 3.002767	
(90%Emax) 3.378111	



Luminance Limiting Curve(no luminous side)

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Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	28154	28116	27956	27682	27309	26856	26348	25803	25250
C45	28154	28116	27956	27682	27309	26856	26348	25803	25250
C90	28154	28116	27956	27682	27309	26856	26348	25803	25250

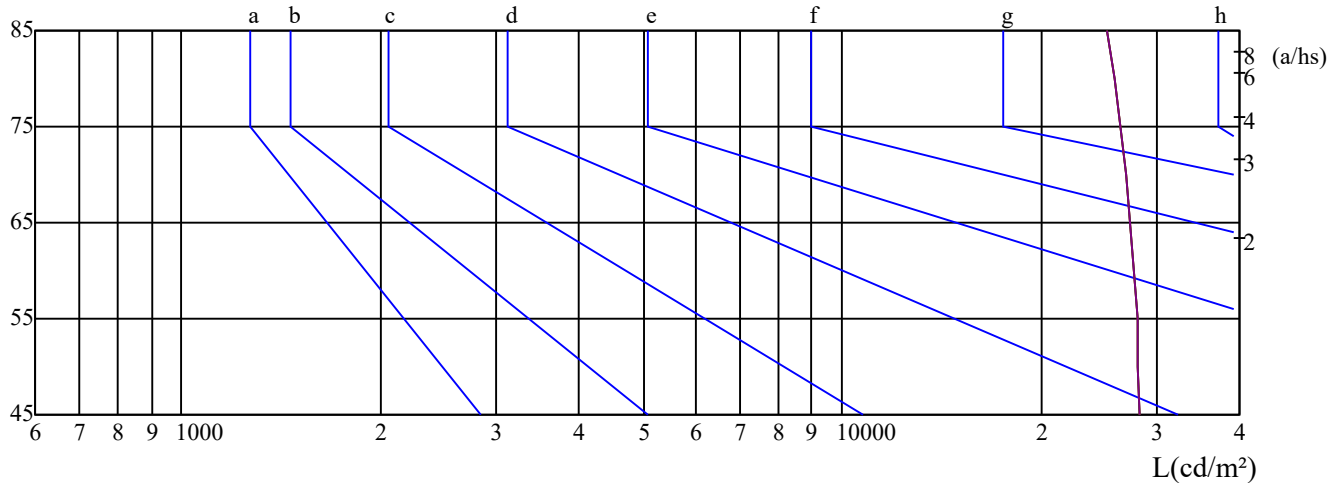
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
135962	135962	135962	208784	208784	208784	560703	560703	560703

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

$\gamma(^{\circ})$



C0 ———

C45 ———

C90 ———

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	21.57	22.83	22.32	23.63	24.60	21.57	22.83	22.32	23.63	24.60
	3H	24.08	25.25	24.85	26.07	27.06	24.08	25.25	24.85	26.07	27.06
	4H	25.27	26.38	26.04	27.20	28.20	25.27	26.38	26.04	27.20	28.20
	6H	26.44	27.49	27.23	28.31	29.34	26.44	27.49	27.23	28.31	29.34
	8H	26.98	28.00	27.77	28.82	29.85	26.98	28.00	27.77	28.82	29.85
	12H	27.48	28.47	28.28	29.30	30.34	27.48	28.47	28.28	29.30	30.34
4H	2H	22.51	23.62	23.28	24.44	25.44	22.51	23.62	23.28	24.44	25.44
	3H	25.16	26.14	25.95	26.98	28.01	25.16	26.14	25.95	26.98	28.01
	4H	26.54	27.45	27.35	28.29	29.35	26.54	27.45	27.35	28.29	29.35
	6H	27.84	28.66	28.66	29.53	30.58	27.84	28.66	28.66	29.53	30.58
	8H	28.48	29.26	29.32	30.13	31.19	28.48	29.26	29.32	30.13	31.19
	12H	29.11	29.84	29.94	30.69	31.78	29.11	29.84	29.94	30.69	31.78
8H	4H	27.07	27.85	27.90	28.72	29.78	27.07	27.85	27.90	28.72	29.78
	6H	28.58	29.26	29.43	30.13	31.22	28.58	29.26	29.43	30.13	31.22
	8H	29.43	30.03	30.29	30.93	32.01	29.43	30.03	30.29	30.93	32.01
	12H	30.20	30.73	31.06	31.64	32.72	30.20	30.73	31.06	31.64	32.72
12H	4H	27.19	27.92	28.02	28.77	29.86	27.19	27.92	28.02	28.77	29.86
	6H	28.83	29.43	29.69	30.32	31.41	28.83	29.43	29.69	30.32	31.41
	8H	29.69	30.22	30.55	31.13	32.22	29.69	30.22	30.55	31.13	32.22
Variation with the observer position at spacings:											
S = 1.0H		0.2/-1.0					0.2/-1.0				
S = 1.5H		0.4/-0.9					0.4/-0.9				
S = 2.0H		0.3/-0.6					0.3/-0.6				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		13.9					13.9				

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	30.66	30.67	30.71	30.77	30.84	30.92	31.03	31.15	31.29
22.5	30.66	30.67	30.71	30.77	30.84	30.92	31.03	31.15	31.29
45.0	30.66	30.67	30.71	30.77	30.84	30.92	31.03	31.15	31.29
67.5	30.66	30.67	30.71	30.77	30.84	30.92	31.03	31.15	31.29
90.0	30.66	30.67	30.71	30.77	30.84	30.92	31.03	31.15	31.29
112.5	30.66	30.67	30.71	30.77	30.84	30.92	31.03	31.15	31.29
135.0	30.66	30.67	30.71	30.77	30.84	30.92	31.03	31.15	31.29
157.5	30.66	30.67	30.71	30.77	30.84	30.92	31.03	31.15	31.29
180.0	30.66	30.67	30.71	30.77	30.84	30.92	31.03	31.15	31.29
202.5	30.66	30.67	30.71	30.77	30.84	30.92	31.03	31.15	31.29
225.0	30.66	30.67	30.71	30.77	30.84	30.92	31.03	31.15	31.29
247.5	30.66	30.67	30.71	30.77	30.84	30.92	31.03	31.15	31.29
270.0	30.66	30.67	30.71	30.77	30.84	30.92	31.03	31.15	31.29
292.5	30.66	30.67	30.71	30.77	30.84	30.92	31.03	31.15	31.29
315.0	30.66	30.67	30.71	30.77	30.84	30.92	31.03	31.15	31.29
337.5	30.66	30.67	30.71	30.77	30.84	30.92	31.03	31.15	31.29
360.0	30.66	30.67	30.71	30.77	30.84	30.92	31.03	31.15	31.29
C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	31.45	31.61	31.79	31.99	32.19	32.41	32.64	32.89	33.14
22.5	31.45	31.61	31.79	31.99	32.19	32.41	32.64	32.89	33.14
45.0	31.45	31.61	31.79	31.99	32.19	32.41	32.64	32.89	33.14
67.5	31.45	31.61	31.79	31.99	32.19	32.41	32.64	32.89	33.14
90.0	31.45	31.61	31.79	31.99	32.19	32.41	32.64	32.89	33.14
112.5	31.45	31.61	31.79	31.99	32.19	32.41	32.64	32.89	33.14
135.0	31.45	31.61	31.79	31.99	32.19	32.41	32.64	32.89	33.14
157.5	31.45	31.61	31.79	31.99	32.19	32.41	32.64	32.89	33.14
180.0	31.45	31.61	31.79	31.99	32.19	32.41	32.64	32.89	33.14
202.5	31.45	31.61	31.79	31.99	32.19	32.41	32.64	32.89	33.14
225.0	31.45	31.61	31.79	31.99	32.19	32.41	32.64	32.89	33.14
247.5	31.45	31.61	31.79	31.99	32.19	32.41	32.64	32.89	33.14
270.0	31.45	31.61	31.79	31.99	32.19	32.41	32.64	32.89	33.14
292.5	31.45	31.61	31.79	31.99	32.19	32.41	32.64	32.89	33.14
315.0	31.45	31.61	31.79	31.99	32.19	32.41	32.64	32.89	33.14
337.5	31.45	31.61	31.79	31.99	32.19	32.41	32.64	32.89	33.14
360.0	31.45	31.61	31.79	31.99	32.19	32.41	32.64	32.89	33.14
C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	33.40	33.67	33.96	34.25	34.55	34.85	35.16	35.48	35.81
22.5	33.40	33.67	33.96	34.25	34.55	34.85	35.16	35.48	35.81
45.0	33.40	33.67	33.96	34.25	34.55	34.85	35.16	35.48	35.81
67.5	33.40	33.67	33.96	34.25	34.55	34.85	35.16	35.48	35.81
90.0	33.40	33.67	33.96	34.25	34.55	34.85	35.16	35.48	35.81
112.5	33.40	33.67	33.96	34.25	34.55	34.85	35.16	35.48	35.81
135.0	33.40	33.67	33.96	34.25	34.55	34.85	35.16	35.48	35.81
157.5	33.40	33.67	33.96	34.25	34.55	34.85	35.16	35.48	35.81
180.0	33.40	33.67	33.96	34.25	34.55	34.85	35.16	35.48	35.81
202.5	33.40	33.67	33.96	34.25	34.55	34.85	35.16	35.48	35.81
225.0	33.40	33.67	33.96	34.25	34.55	34.85	35.16	35.48	35.81
247.5	33.40	33.67	33.96	34.25	34.55	34.85	35.16	35.48	35.81
270.0	33.40	33.67	33.96	34.25	34.55	34.85	35.16	35.48	35.81
292.5	33.40	33.67	33.96	34.25	34.55	34.85	35.16	35.48	35.81
315.0	33.40	33.67	33.96	34.25	34.55	34.85	35.16	35.48	35.81
337.5	33.40	33.67	33.96	34.25	34.55	34.85	35.16	35.48	35.81
360.0	33.40	33.67	33.96	34.25	34.55	34.85	35.16	35.48	35.81

C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	36.14	36.47	36.81	37.15	37.50	37.85	38.20	38.55	38.91
22.5	36.14	36.47	36.81	37.15	37.50	37.85	38.20	38.55	38.91
45.0	36.14	36.47	36.81	37.15	37.50	37.85	38.20	38.55	38.91
67.5	36.14	36.47	36.81	37.15	37.50	37.85	38.20	38.55	38.91
90.0	36.14	36.47	36.81	37.15	37.50	37.85	38.20	38.55	38.91
112.5	36.14	36.47	36.81	37.15	37.50	37.85	38.20	38.55	38.91
135.0	36.14	36.47	36.81	37.15	37.50	37.85	38.20	38.55	38.91
157.5	36.14	36.47	36.81	37.15	37.50	37.85	38.20	38.55	38.91
180.0	36.14	36.47	36.81	37.15	37.50	37.85	38.20	38.55	38.91
202.5	36.14	36.47	36.81	37.15	37.50	37.85	38.20	38.55	38.91
225.0	36.14	36.47	36.81	37.15	37.50	37.85	38.20	38.55	38.91
247.5	36.14	36.47	36.81	37.15	37.50	37.85	38.20	38.55	38.91
270.0	36.14	36.47	36.81	37.15	37.50	37.85	38.20	38.55	38.91
292.5	36.14	36.47	36.81	37.15	37.50	37.85	38.20	38.55	38.91
315.0	36.14	36.47	36.81	37.15	37.50	37.85	38.20	38.55	38.91
337.5	36.14	36.47	36.81	37.15	37.50	37.85	38.20	38.55	38.91
360.0	36.14	36.47	36.81	37.15	37.50	37.85	38.20	38.55	38.91
C/γ(°)	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0
0.0	39.26	39.62	39.98	40.34	40.70	41.06	41.42	41.78	42.14
22.5	39.26	39.62	39.98	40.34	40.70	41.06	41.42	41.78	42.14
45.0	39.26	39.62	39.98	40.34	40.70	41.06	41.42	41.78	42.14
67.5	39.26	39.62	39.98	40.34	40.70	41.06	41.42	41.78	42.14
90.0	39.26	39.62	39.98	40.34	40.70	41.06	41.42	41.78	42.14
112.5	39.26	39.62	39.98	40.34	40.70	41.06	41.42	41.78	42.14
135.0	39.26	39.62	39.98	40.34	40.70	41.06	41.42	41.78	42.14
157.5	39.26	39.62	39.98	40.34	40.70	41.06	41.42	41.78	42.14
180.0	39.26	39.62	39.98	40.34	40.70	41.06	41.42	41.78	42.14
202.5	39.26	39.62	39.98	40.34	40.70	41.06	41.42	41.78	42.14
225.0	39.26	39.62	39.98	40.34	40.70	41.06	41.42	41.78	42.14
247.5	39.26	39.62	39.98	40.34	40.70	41.06	41.42	41.78	42.14
270.0	39.26	39.62	39.98	40.34	40.70	41.06	41.42	41.78	42.14
292.5	39.26	39.62	39.98	40.34	40.70	41.06	41.42	41.78	42.14
315.0	39.26	39.62	39.98	40.34	40.70	41.06	41.42	41.78	42.14
337.5	39.26	39.62	39.98	40.34	40.70	41.06	41.42	41.78	42.14
360.0	39.26	39.62	39.98	40.34	40.70	41.06	41.42	41.78	42.14
C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	42.49	42.85	43.20	43.55	43.90	44.25	44.59	44.94	45.28
22.5	42.49	42.85	43.20	43.55	43.90	44.25	44.59	44.94	45.28
45.0	42.49	42.85	43.20	43.55	43.90	44.25	44.59	44.94	45.28
67.5	42.49	42.85	43.20	43.55	43.90	44.25	44.59	44.94	45.28
90.0	42.49	42.85	43.20	43.55	43.90	44.25	44.59	44.94	45.28
112.5	42.49	42.85	43.20	43.55	43.90	44.25	44.59	44.94	45.28
135.0	42.49	42.85	43.20	43.55	43.90	44.25	44.59	44.94	45.28
157.5	42.49	42.85	43.20	43.55	43.90	44.25	44.59	44.94	45.28
180.0	42.49	42.85	43.20	43.55	43.90	44.25	44.59	44.94	45.28
202.5	42.49	42.85	43.20	43.55	43.90	44.25	44.59	44.94	45.28
225.0	42.49	42.85	43.20	43.55	43.90	44.25	44.59	44.94	45.28
247.5	42.49	42.85	43.20	43.55	43.90	44.25	44.59	44.94	45.28
270.0	42.49	42.85	43.20	43.55	43.90	44.25	44.59	44.94	45.28
292.5	42.49	42.85	43.20	43.55	43.90	44.25	44.59	44.94	45.28
315.0	42.49	42.85	43.20	43.55	43.90	44.25	44.59	44.94	45.28
337.5	42.49	42.85	43.20	43.55	43.90	44.25	44.59	44.94	45.28
360.0	42.49	42.85	43.20	43.55	43.90	44.25	44.59	44.94	45.28

C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	45.61	45.95	46.28	46.61	46.93	47.25	47.57	47.88	48.19
22.5	45.61	45.95	46.28	46.61	46.93	47.25	47.57	47.88	48.19
45.0	45.61	45.95	46.28	46.61	46.93	47.25	47.57	47.88	48.19
67.5	45.61	45.95	46.28	46.61	46.93	47.25	47.57	47.88	48.19
90.0	45.61	45.95	46.28	46.61	46.93	47.25	47.57	47.88	48.19
112.5	45.61	45.95	46.28	46.61	46.93	47.25	47.57	47.88	48.19
135.0	45.61	45.95	46.28	46.61	46.93	47.25	47.57	47.88	48.19
157.5	45.61	45.95	46.28	46.61	46.93	47.25	47.57	47.88	48.19
180.0	45.61	45.95	46.28	46.61	46.93	47.25	47.57	47.88	48.19
202.5	45.61	45.95	46.28	46.61	46.93	47.25	47.57	47.88	48.19
225.0	45.61	45.95	46.28	46.61	46.93	47.25	47.57	47.88	48.19
247.5	45.61	45.95	46.28	46.61	46.93	47.25	47.57	47.88	48.19
270.0	45.61	45.95	46.28	46.61	46.93	47.25	47.57	47.88	48.19
292.5	45.61	45.95	46.28	46.61	46.93	47.25	47.57	47.88	48.19
315.0	45.61	45.95	46.28	46.61	46.93	47.25	47.57	47.88	48.19
337.5	45.61	45.95	46.28	46.61	46.93	47.25	47.57	47.88	48.19
360.0	45.61	45.95	46.28	46.61	46.93	47.25	47.57	47.88	48.19
C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	48.49	48.79	49.09	49.38	49.67	49.95	50.22	50.49	50.76
22.5	48.49	48.79	49.09	49.38	49.67	49.95	50.22	50.49	50.76
45.0	48.49	48.79	49.09	49.38	49.67	49.95	50.22	50.49	50.76
67.5	48.49	48.79	49.09	49.38	49.67	49.95	50.22	50.49	50.76
90.0	48.49	48.79	49.09	49.38	49.67	49.95	50.22	50.49	50.76
112.5	48.49	48.79	49.09	49.38	49.67	49.95	50.22	50.49	50.76
135.0	48.49	48.79	49.09	49.38	49.67	49.95	50.22	50.49	50.76
157.5	48.49	48.79	49.09	49.38	49.67	49.95	50.22	50.49	50.76
180.0	48.49	48.79	49.09	49.38	49.67	49.95	50.22	50.49	50.76
202.5	48.49	48.79	49.09	49.38	49.67	49.95	50.22	50.49	50.76
225.0	48.49	48.79	49.09	49.38	49.67	49.95	50.22	50.49	50.76
247.5	48.49	48.79	49.09	49.38	49.67	49.95	50.22	50.49	50.76
270.0	48.49	48.79	49.09	49.38	49.67	49.95	50.22	50.49	50.76
292.5	48.49	48.79	49.09	49.38	49.67	49.95	50.22	50.49	50.76
315.0	48.49	48.79	49.09	49.38	49.67	49.95	50.22	50.49	50.76
337.5	48.49	48.79	49.09	49.38	49.67	49.95	50.22	50.49	50.76
360.0	48.49	48.79	49.09	49.38	49.67	49.95	50.22	50.49	50.76
C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	51.02	51.27	51.52	51.77	52.01	52.24	52.46	52.69	52.90
22.5	51.02	51.27	51.52	51.77	52.01	52.24	52.46	52.69	52.90
45.0	51.02	51.27	51.52	51.77	52.01	52.24	52.46	52.69	52.90
67.5	51.02	51.27	51.52	51.77	52.01	52.24	52.46	52.69	52.90
90.0	51.02	51.27	51.52	51.77	52.01	52.24	52.46	52.69	52.90
112.5	51.02	51.27	51.52	51.77	52.01	52.24	52.46	52.69	52.90
135.0	51.02	51.27	51.52	51.77	52.01	52.24	52.46	52.69	52.90
157.5	51.02	51.27	51.52	51.77	52.01	52.24	52.46	52.69	52.90
180.0	51.02	51.27	51.52	51.77	52.01	52.24	52.46	52.69	52.90
202.5	51.02	51.27	51.52	51.77	52.01	52.24	52.46	52.69	52.90
225.0	51.02	51.27	51.52	51.77	52.01	52.24	52.46	52.69	52.90
247.5	51.02	51.27	51.52	51.77	52.01	52.24	52.46	52.69	52.90
270.0	51.02	51.27	51.52	51.77	52.01	52.24	52.46	52.69	52.90
292.5	51.02	51.27	51.52	51.77	52.01	52.24	52.46	52.69	52.90
315.0	51.02	51.27	51.52	51.77	52.01	52.24	52.46	52.69	52.90
337.5	51.02	51.27	51.52	51.77	52.01	52.24	52.46	52.69	52.90
360.0	51.02	51.27	51.52	51.77	52.01	52.24	52.46	52.69	52.90

Intensity data(cd)

Appendix Page: 24 Total:34

C/ γ (°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	53.10	53.31	53.50	53.69	53.87	54.05	54.22	54.39	54.54
22.5	53.10	53.31	53.50	53.69	53.87	54.05	54.22	54.39	54.54
45.0	53.10	53.31	53.50	53.69	53.87	54.05	54.22	54.39	54.54
67.5	53.10	53.31	53.50	53.69	53.87	54.05	54.22	54.39	54.54
90.0	53.10	53.31	53.50	53.69	53.87	54.05	54.22	54.39	54.54
112.5	53.10	53.31	53.50	53.69	53.87	54.05	54.22	54.39	54.54
135.0	53.10	53.31	53.50	53.69	53.87	54.05	54.22	54.39	54.54
157.5	53.10	53.31	53.50	53.69	53.87	54.05	54.22	54.39	54.54
180.0	53.10	53.31	53.50	53.69	53.87	54.05	54.22	54.39	54.54
202.5	53.10	53.31	53.50	53.69	53.87	54.05	54.22	54.39	54.54
225.0	53.10	53.31	53.50	53.69	53.87	54.05	54.22	54.39	54.54
247.5	53.10	53.31	53.50	53.69	53.87	54.05	54.22	54.39	54.54
270.0	53.10	53.31	53.50	53.69	53.87	54.05	54.22	54.39	54.54
292.5	53.10	53.31	53.50	53.69	53.87	54.05	54.22	54.39	54.54
315.0	53.10	53.31	53.50	53.69	53.87	54.05	54.22	54.39	54.54
337.5	53.10	53.31	53.50	53.69	53.87	54.05	54.22	54.39	54.54
360.0	53.10	53.31	53.50	53.69	53.87	54.05	54.22	54.39	54.54
C/ γ (°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	54.69	54.84	54.97	55.11	55.23	55.35	55.46	55.57	55.66
22.5	54.69	54.84	54.97	55.11	55.23	55.35	55.46	55.57	55.66
45.0	54.69	54.84	54.97	55.11	55.23	55.35	55.46	55.57	55.66
67.5	54.69	54.84	54.97	55.11	55.23	55.35	55.46	55.57	55.66
90.0	54.69	54.84	54.97	55.11	55.23	55.35	55.46	55.57	55.66
112.5	54.69	54.84	54.97	55.11	55.23	55.35	55.46	55.57	55.66
135.0	54.69	54.84	54.97	55.11	55.23	55.35	55.46	55.57	55.66
157.5	54.69	54.84	54.97	55.11	55.23	55.35	55.46	55.57	55.66
180.0	54.69	54.84	54.97	55.11	55.23	55.35	55.46	55.57	55.66
202.5	54.69	54.84	54.97	55.11	55.23	55.35	55.46	55.57	55.66
225.0	54.69	54.84	54.97	55.11	55.23	55.35	55.46	55.57	55.66
247.5	54.69	54.84	54.97	55.11	55.23	55.35	55.46	55.57	55.66
270.0	54.69	54.84	54.97	55.11	55.23	55.35	55.46	55.57	55.66
292.5	54.69	54.84	54.97	55.11	55.23	55.35	55.46	55.57	55.66
315.0	54.69	54.84	54.97	55.11	55.23	55.35	55.46	55.57	55.66
337.5	54.69	54.84	54.97	55.11	55.23	55.35	55.46	55.57	55.66
360.0	54.69	54.84	54.97	55.11	55.23	55.35	55.46	55.57	55.66
C/ γ (°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	55.75	55.83	55.91	55.98	56.05	56.11	56.16	56.20	56.24
22.5	55.75	55.83	55.91	55.98	56.05	56.11	56.16	56.20	56.24
45.0	55.75	55.83	55.91	55.98	56.05	56.11	56.16	56.20	56.24
67.5	55.75	55.83	55.91	55.98	56.05	56.11	56.16	56.20	56.24
90.0	55.75	55.83	55.91	55.98	56.05	56.11	56.16	56.20	56.24
112.5	55.75	55.83	55.91	55.98	56.05	56.11	56.16	56.20	56.24
135.0	55.75	55.83	55.91	55.98	56.05	56.11	56.16	56.20	56.24
157.5	55.75	55.83	55.91	55.98	56.05	56.11	56.16	56.20	56.24
180.0	55.75	55.83	55.91	55.98	56.05	56.11	56.16	56.20	56.24
202.5	55.75	55.83	55.91	55.98	56.05	56.11	56.16	56.20	56.24
225.0	55.75	55.83	55.91	55.98	56.05	56.11	56.16	56.20	56.24
247.5	55.75	55.83	55.91	55.98	56.05	56.11	56.16	56.20	56.24
270.0	55.75	55.83	55.91	55.98	56.05	56.11	56.16	56.20	56.24
292.5	55.75	55.83	55.91	55.98	56.05	56.11	56.16	56.20	56.24
315.0	55.75	55.83	55.91	55.98	56.05	56.11	56.16	56.20	56.24
337.5	55.75	55.83	55.91	55.98	56.05	56.11	56.16	56.20	56.24
360.0	55.75	55.83	55.91	55.98	56.05	56.11	56.16	56.20	56.24

C/γ(°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	56.26	56.29	56.30	56.31	56.32	56.31	56.30	56.29	56.27
22.5	56.26	56.29	56.30	56.31	56.32	56.31	56.30	56.29	56.27
45.0	56.26	56.29	56.30	56.31	56.32	56.31	56.30	56.29	56.27
67.5	56.26	56.29	56.30	56.31	56.32	56.31	56.30	56.29	56.27
90.0	56.26	56.29	56.30	56.31	56.32	56.31	56.30	56.29	56.27
112.5	56.26	56.29	56.30	56.31	56.32	56.31	56.30	56.29	56.27
135.0	56.26	56.29	56.30	56.31	56.32	56.31	56.30	56.29	56.27
157.5	56.26	56.29	56.30	56.31	56.32	56.31	56.30	56.29	56.27
180.0	56.26	56.29	56.30	56.31	56.32	56.31	56.30	56.29	56.27
202.5	56.26	56.29	56.30	56.31	56.32	56.31	56.30	56.29	56.27
225.0	56.26	56.29	56.30	56.31	56.32	56.31	56.30	56.29	56.27
247.5	56.26	56.29	56.30	56.31	56.32	56.31	56.30	56.29	56.27
270.0	56.26	56.29	56.30	56.31	56.32	56.31	56.30	56.29	56.27
292.5	56.26	56.29	56.30	56.31	56.32	56.31	56.30	56.29	56.27
315.0	56.26	56.29	56.30	56.31	56.32	56.31	56.30	56.29	56.27
337.5	56.26	56.29	56.30	56.31	56.32	56.31	56.30	56.29	56.27
360.0	56.26	56.29	56.30	56.31	56.32	56.31	56.30	56.29	56.27
C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	56.24	56.20	56.16	56.11	56.05	55.99	55.92	55.85	55.77
22.5	56.24	56.20	56.16	56.11	56.05	55.99	55.92	55.85	55.77
45.0	56.24	56.20	56.16	56.11	56.05	55.99	55.92	55.85	55.77
67.5	56.24	56.20	56.16	56.11	56.05	55.99	55.92	55.85	55.77
90.0	56.24	56.20	56.16	56.11	56.05	55.99	55.92	55.85	55.77
112.5	56.24	56.20	56.16	56.11	56.05	55.99	55.92	55.85	55.77
135.0	56.24	56.20	56.16	56.11	56.05	55.99	55.92	55.85	55.77
157.5	56.24	56.20	56.16	56.11	56.05	55.99	55.92	55.85	55.77
180.0	56.24	56.20	56.16	56.11	56.05	55.99	55.92	55.85	55.77
202.5	56.24	56.20	56.16	56.11	56.05	55.99	55.92	55.85	55.77
225.0	56.24	56.20	56.16	56.11	56.05	55.99	55.92	55.85	55.77
247.5	56.24	56.20	56.16	56.11	56.05	55.99	55.92	55.85	55.77
270.0	56.24	56.20	56.16	56.11	56.05	55.99	55.92	55.85	55.77
292.5	56.24	56.20	56.16	56.11	56.05	55.99	55.92	55.85	55.77
315.0	56.24	56.20	56.16	56.11	56.05	55.99	55.92	55.85	55.77
337.5	56.24	56.20	56.16	56.11	56.05	55.99	55.92	55.85	55.77
360.0	56.24	56.20	56.16	56.11	56.05	55.99	55.92	55.85	55.77
C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	55.68	55.59	55.50	55.39	55.28	55.17	55.05	54.92	54.79
22.5	55.68	55.59	55.50	55.39	55.28	55.17	55.05	54.92	54.79
45.0	55.68	55.59	55.50	55.39	55.28	55.17	55.05	54.92	54.79
67.5	55.68	55.59	55.50	55.39	55.28	55.17	55.05	54.92	54.79
90.0	55.68	55.59	55.50	55.39	55.28	55.17	55.05	54.92	54.79
112.5	55.68	55.59	55.50	55.39	55.28	55.17	55.05	54.92	54.79
135.0	55.68	55.59	55.50	55.39	55.28	55.17	55.05	54.92	54.79
157.5	55.68	55.59	55.50	55.39	55.28	55.17	55.05	54.92	54.79
180.0	55.68	55.59	55.50	55.39	55.28	55.17	55.05	54.92	54.79
202.5	55.68	55.59	55.50	55.39	55.28	55.17	55.05	54.92	54.79
225.0	55.68	55.59	55.50	55.39	55.28	55.17	55.05	54.92	54.79
247.5	55.68	55.59	55.50	55.39	55.28	55.17	55.05	54.92	54.79
270.0	55.68	55.59	55.50	55.39	55.28	55.17	55.05	54.92	54.79
292.5	55.68	55.59	55.50	55.39	55.28	55.17	55.05	54.92	54.79
315.0	55.68	55.59	55.50	55.39	55.28	55.17	55.05	54.92	54.79
337.5	55.68	55.59	55.50	55.39	55.28	55.17	55.05	54.92	54.79
360.0	55.68	55.59	55.50	55.39	55.28	55.17	55.05	54.92	54.79

C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	54.65	54.51	54.36	54.21	54.05	53.88	53.72	53.54	53.36
22.5	54.65	54.51	54.36	54.21	54.05	53.88	53.72	53.54	53.36
45.0	54.65	54.51	54.36	54.21	54.05	53.88	53.72	53.54	53.36
67.5	54.65	54.51	54.36	54.21	54.05	53.88	53.72	53.54	53.36
90.0	54.65	54.51	54.36	54.21	54.05	53.88	53.72	53.54	53.36
112.5	54.65	54.51	54.36	54.21	54.05	53.88	53.72	53.54	53.36
135.0	54.65	54.51	54.36	54.21	54.05	53.88	53.72	53.54	53.36
157.5	54.65	54.51	54.36	54.21	54.05	53.88	53.72	53.54	53.36
180.0	54.65	54.51	54.36	54.21	54.05	53.88	53.72	53.54	53.36
202.5	54.65	54.51	54.36	54.21	54.05	53.88	53.72	53.54	53.36
225.0	54.65	54.51	54.36	54.21	54.05	53.88	53.72	53.54	53.36
247.5	54.65	54.51	54.36	54.21	54.05	53.88	53.72	53.54	53.36
270.0	54.65	54.51	54.36	54.21	54.05	53.88	53.72	53.54	53.36
292.5	54.65	54.51	54.36	54.21	54.05	53.88	53.72	53.54	53.36
315.0	54.65	54.51	54.36	54.21	54.05	53.88	53.72	53.54	53.36
337.5	54.65	54.51	54.36	54.21	54.05	53.88	53.72	53.54	53.36
360.0	54.65	54.51	54.36	54.21	54.05	53.88	53.72	53.54	53.36
C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	53.18	52.99	52.80	52.60	52.40	52.20	51.99	51.77	51.55
22.5	53.18	52.99	52.80	52.60	52.40	52.20	51.99	51.77	51.55
45.0	53.18	52.99	52.80	52.60	52.40	52.20	51.99	51.77	51.55
67.5	53.18	52.99	52.80	52.60	52.40	52.20	51.99	51.77	51.55
90.0	53.18	52.99	52.80	52.60	52.40	52.20	51.99	51.77	51.55
112.5	53.18	52.99	52.80	52.60	52.40	52.20	51.99	51.77	51.55
135.0	53.18	52.99	52.80	52.60	52.40	52.20	51.99	51.77	51.55
157.5	53.18	52.99	52.80	52.60	52.40	52.20	51.99	51.77	51.55
180.0	53.18	52.99	52.80	52.60	52.40	52.20	51.99	51.77	51.55
202.5	53.18	52.99	52.80	52.60	52.40	52.20	51.99	51.77	51.55
225.0	53.18	52.99	52.80	52.60	52.40	52.20	51.99	51.77	51.55
247.5	53.18	52.99	52.80	52.60	52.40	52.20	51.99	51.77	51.55
270.0	53.18	52.99	52.80	52.60	52.40	52.20	51.99	51.77	51.55
292.5	53.18	52.99	52.80	52.60	52.40	52.20	51.99	51.77	51.55
315.0	53.18	52.99	52.80	52.60	52.40	52.20	51.99	51.77	51.55
337.5	53.18	52.99	52.80	52.60	52.40	52.20	51.99	51.77	51.55
360.0	53.18	52.99	52.80	52.60	52.40	52.20	51.99	51.77	51.55
C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	51.33	51.10	50.87	50.64	50.40	50.16	49.92	49.67	49.42
22.5	51.33	51.10	50.87	50.64	50.40	50.16	49.92	49.67	49.42
45.0	51.33	51.10	50.87	50.64	50.40	50.16	49.92	49.67	49.42
67.5	51.33	51.10	50.87	50.64	50.40	50.16	49.92	49.67	49.42
90.0	51.33	51.10	50.87	50.64	50.40	50.16	49.92	49.67	49.42
112.5	51.33	51.10	50.87	50.64	50.40	50.16	49.92	49.67	49.42
135.0	51.33	51.10	50.87	50.64	50.40	50.16	49.92	49.67	49.42
157.5	51.33	51.10	50.87	50.64	50.40	50.16	49.92	49.67	49.42
180.0	51.33	51.10	50.87	50.64	50.40	50.16	49.92	49.67	49.42
202.5	51.33	51.10	50.87	50.64	50.40	50.16	49.92	49.67	49.42
225.0	51.33	51.10	50.87	50.64	50.40	50.16	49.92	49.67	49.42
247.5	51.33	51.10	50.87	50.64	50.40	50.16	49.92	49.67	49.42
270.0	51.33	51.10	50.87	50.64	50.40	50.16	49.92	49.67	49.42
292.5	51.33	51.10	50.87	50.64	50.40	50.16	49.92	49.67	49.42
315.0	51.33	51.10	50.87	50.64	50.40	50.16	49.92	49.67	49.42
337.5	51.33	51.10	50.87	50.64	50.40	50.16	49.92	49.67	49.42
360.0	51.33	51.10	50.87	50.64	50.40	50.16	49.92	49.67	49.42

C/ $\gamma(^{\circ})$	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	49.16	48.90	48.64	48.38	48.11	47.84	47.57	47.30	47.02
22.5	49.16	48.90	48.64	48.38	48.11	47.84	47.57	47.30	47.02
45.0	49.16	48.90	48.64	48.38	48.11	47.84	47.57	47.30	47.02
67.5	49.16	48.90	48.64	48.38	48.11	47.84	47.57	47.30	47.02
90.0	49.16	48.90	48.64	48.38	48.11	47.84	47.57	47.30	47.02
112.5	49.16	48.90	48.64	48.38	48.11	47.84	47.57	47.30	47.02
135.0	49.16	48.90	48.64	48.38	48.11	47.84	47.57	47.30	47.02
157.5	49.16	48.90	48.64	48.38	48.11	47.84	47.57	47.30	47.02
180.0	49.16	48.90	48.64	48.38	48.11	47.84	47.57	47.30	47.02
202.5	49.16	48.90	48.64	48.38	48.11	47.84	47.57	47.30	47.02
225.0	49.16	48.90	48.64	48.38	48.11	47.84	47.57	47.30	47.02
247.5	49.16	48.90	48.64	48.38	48.11	47.84	47.57	47.30	47.02
270.0	49.16	48.90	48.64	48.38	48.11	47.84	47.57	47.30	47.02
292.5	49.16	48.90	48.64	48.38	48.11	47.84	47.57	47.30	47.02
315.0	49.16	48.90	48.64	48.38	48.11	47.84	47.57	47.30	47.02
337.5	49.16	48.90	48.64	48.38	48.11	47.84	47.57	47.30	47.02
360.0	49.16	48.90	48.64	48.38	48.11	47.84	47.57	47.30	47.02
C/ $\gamma(^{\circ})$	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	46.74	46.45	46.17	45.88	45.60	45.30	45.01	44.71	44.42
22.5	46.74	46.45	46.17	45.88	45.60	45.30	45.01	44.71	44.42
45.0	46.74	46.45	46.17	45.88	45.60	45.30	45.01	44.71	44.42
67.5	46.74	46.45	46.17	45.88	45.60	45.30	45.01	44.71	44.42
90.0	46.74	46.45	46.17	45.88	45.60	45.30	45.01	44.71	44.42
112.5	46.74	46.45	46.17	45.88	45.60	45.30	45.01	44.71	44.42
135.0	46.74	46.45	46.17	45.88	45.60	45.30	45.01	44.71	44.42
157.5	46.74	46.45	46.17	45.88	45.60	45.30	45.01	44.71	44.42
180.0	46.74	46.45	46.17	45.88	45.60	45.30	45.01	44.71	44.42
202.5	46.74	46.45	46.17	45.88	45.60	45.30	45.01	44.71	44.42
225.0	46.74	46.45	46.17	45.88	45.60	45.30	45.01	44.71	44.42
247.5	46.74	46.45	46.17	45.88	45.60	45.30	45.01	44.71	44.42
270.0	46.74	46.45	46.17	45.88	45.60	45.30	45.01	44.71	44.42
292.5	46.74	46.45	46.17	45.88	45.60	45.30	45.01	44.71	44.42
315.0	46.74	46.45	46.17	45.88	45.60	45.30	45.01	44.71	44.42
337.5	46.74	46.45	46.17	45.88	45.60	45.30	45.01	44.71	44.42
360.0	46.74	46.45	46.17	45.88	45.60	45.30	45.01	44.71	44.42
C/ $\gamma(^{\circ})$	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0
0.0	44.11	43.81	43.51	43.21	42.90	42.59	42.28	41.97	41.66
22.5	44.11	43.81	43.51	43.21	42.90	42.59	42.28	41.97	41.66
45.0	44.11	43.81	43.51	43.21	42.90	42.59	42.28	41.97	41.66
67.5	44.11	43.81	43.51	43.21	42.90	42.59	42.28	41.97	41.66
90.0	44.11	43.81	43.51	43.21	42.90	42.59	42.28	41.97	41.66
112.5	44.11	43.81	43.51	43.21	42.90	42.59	42.28	41.97	41.66
135.0	44.11	43.81	43.51	43.21	42.90	42.59	42.28	41.97	41.66
157.5	44.11	43.81	43.51	43.21	42.90	42.59	42.28	41.97	41.66
180.0	44.11	43.81	43.51	43.21	42.90	42.59	42.28	41.97	41.66
202.5	44.11	43.81	43.51	43.21	42.90	42.59	42.28	41.97	41.66
225.0	44.11	43.81	43.51	43.21	42.90	42.59	42.28	41.97	41.66
247.5	44.11	43.81	43.51	43.21	42.90	42.59	42.28	41.97	41.66
270.0	44.11	43.81	43.51	43.21	42.90	42.59	42.28	41.97	41.66
292.5	44.11	43.81	43.51	43.21	42.90	42.59	42.28	41.97	41.66
315.0	44.11	43.81	43.51	43.21	42.90	42.59	42.28	41.97	41.66
337.5	44.11	43.81	43.51	43.21	42.90	42.59	42.28	41.97	41.66
360.0	44.11	43.81	43.51	43.21	42.90	42.59	42.28	41.97	41.66

C/ γ (°)	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5
0.0	41.34	41.03	40.71	40.40	40.08	39.76	39.44	39.12	38.80
22.5	41.34	41.03	40.71	40.40	40.08	39.76	39.44	39.12	38.80
45.0	41.34	41.03	40.71	40.40	40.08	39.76	39.44	39.12	38.80
67.5	41.34	41.03	40.71	40.40	40.08	39.76	39.44	39.12	38.80
90.0	41.34	41.03	40.71	40.40	40.08	39.76	39.44	39.12	38.80
112.5	41.34	41.03	40.71	40.40	40.08	39.76	39.44	39.12	38.80
135.0	41.34	41.03	40.71	40.40	40.08	39.76	39.44	39.12	38.80
157.5	41.34	41.03	40.71	40.40	40.08	39.76	39.44	39.12	38.80
180.0	41.34	41.03	40.71	40.40	40.08	39.76	39.44	39.12	38.80
202.5	41.34	41.03	40.71	40.40	40.08	39.76	39.44	39.12	38.80
225.0	41.34	41.03	40.71	40.40	40.08	39.76	39.44	39.12	38.80
247.5	41.34	41.03	40.71	40.40	40.08	39.76	39.44	39.12	38.80
270.0	41.34	41.03	40.71	40.40	40.08	39.76	39.44	39.12	38.80
292.5	41.34	41.03	40.71	40.40	40.08	39.76	39.44	39.12	38.80
315.0	41.34	41.03	40.71	40.40	40.08	39.76	39.44	39.12	38.80
337.5	41.34	41.03	40.71	40.40	40.08	39.76	39.44	39.12	38.80
360.0	41.34	41.03	40.71	40.40	40.08	39.76	39.44	39.12	38.80
C/ γ (°)	99.0	99.5	100.0	100.5	101.0	101.5	102.0	102.5	103.0
0.0	38.48	38.16	37.84	37.51	37.19	36.86	36.54	36.21	35.89
22.5	38.48	38.16	37.84	37.51	37.19	36.86	36.54	36.21	35.89
45.0	38.48	38.16	37.84	37.51	37.19	36.86	36.54	36.21	35.89
67.5	38.48	38.16	37.84	37.51	37.19	36.86	36.54	36.21	35.89
90.0	38.48	38.16	37.84	37.51	37.19	36.86	36.54	36.21	35.89
112.5	38.48	38.16	37.84	37.51	37.19	36.86	36.54	36.21	35.89
135.0	38.48	38.16	37.84	37.51	37.19	36.86	36.54	36.21	35.89
157.5	38.48	38.16	37.84	37.51	37.19	36.86	36.54	36.21	35.89
180.0	38.48	38.16	37.84	37.51	37.19	36.86	36.54	36.21	35.89
202.5	38.48	38.16	37.84	37.51	37.19	36.86	36.54	36.21	35.89
225.0	38.48	38.16	37.84	37.51	37.19	36.86	36.54	36.21	35.89
247.5	38.48	38.16	37.84	37.51	37.19	36.86	36.54	36.21	35.89
270.0	38.48	38.16	37.84	37.51	37.19	36.86	36.54	36.21	35.89
292.5	38.48	38.16	37.84	37.51	37.19	36.86	36.54	36.21	35.89
315.0	38.48	38.16	37.84	37.51	37.19	36.86	36.54	36.21	35.89
337.5	38.48	38.16	37.84	37.51	37.19	36.86	36.54	36.21	35.89
360.0	38.48	38.16	37.84	37.51	37.19	36.86	36.54	36.21	35.89
C/ γ (°)	103.5	104.0	104.5	105.0	105.5	106.0	106.5	107.0	107.5
0.0	35.56	35.24	34.91	34.59	34.26	33.93	33.61	33.28	32.95
22.5	35.56	35.24	34.91	34.59	34.26	33.93	33.61	33.28	32.95
45.0	35.56	35.24	34.91	34.59	34.26	33.93	33.61	33.28	32.95
67.5	35.56	35.24	34.91	34.59	34.26	33.93	33.61	33.28	32.95
90.0	35.56	35.24	34.91	34.59	34.26	33.93	33.61	33.28	32.95
112.5	35.56	35.24	34.91	34.59	34.26	33.93	33.61	33.28	32.95
135.0	35.56	35.24	34.91	34.59	34.26	33.93	33.61	33.28	32.95
157.5	35.56	35.24	34.91	34.59	34.26	33.93	33.61	33.28	32.95
180.0	35.56	35.24	34.91	34.59	34.26	33.93	33.61	33.28	32.95
202.5	35.56	35.24	34.91	34.59	34.26	33.93	33.61	33.28	32.95
225.0	35.56	35.24	34.91	34.59	34.26	33.93	33.61	33.28	32.95
247.5	35.56	35.24	34.91	34.59	34.26	33.93	33.61	33.28	32.95
270.0	35.56	35.24	34.91	34.59	34.26	33.93	33.61	33.28	32.95
292.5	35.56	35.24	34.91	34.59	34.26	33.93	33.61	33.28	32.95
315.0	35.56	35.24	34.91	34.59	34.26	33.93	33.61	33.28	32.95
337.5	35.56	35.24	34.91	34.59	34.26	33.93	33.61	33.28	32.95
360.0	35.56	35.24	34.91	34.59	34.26	33.93	33.61	33.28	32.95

C/γ(°)	108.0	108.5	109.0	109.5	110.0	110.5	111.0	111.5	112.0
0.0	32.63	32.30	31.98	31.65	31.32	31.00	30.67	30.35	30.02
22.5	32.63	32.30	31.98	31.65	31.32	31.00	30.67	30.35	30.02
45.0	32.63	32.30	31.98	31.65	31.32	31.00	30.67	30.35	30.02
67.5	32.63	32.30	31.98	31.65	31.32	31.00	30.67	30.35	30.02
90.0	32.63	32.30	31.98	31.65	31.32	31.00	30.67	30.35	30.02
112.5	32.63	32.30	31.98	31.65	31.32	31.00	30.67	30.35	30.02
135.0	32.63	32.30	31.98	31.65	31.32	31.00	30.67	30.35	30.02
157.5	32.63	32.30	31.98	31.65	31.32	31.00	30.67	30.35	30.02
180.0	32.63	32.30	31.98	31.65	31.32	31.00	30.67	30.35	30.02
202.5	32.63	32.30	31.98	31.65	31.32	31.00	30.67	30.35	30.02
225.0	32.63	32.30	31.98	31.65	31.32	31.00	30.67	30.35	30.02
247.5	32.63	32.30	31.98	31.65	31.32	31.00	30.67	30.35	30.02
270.0	32.63	32.30	31.98	31.65	31.32	31.00	30.67	30.35	30.02
292.5	32.63	32.30	31.98	31.65	31.32	31.00	30.67	30.35	30.02
315.0	32.63	32.30	31.98	31.65	31.32	31.00	30.67	30.35	30.02
337.5	32.63	32.30	31.98	31.65	31.32	31.00	30.67	30.35	30.02
360.0	32.63	32.30	31.98	31.65	31.32	31.00	30.67	30.35	30.02
C/γ(°)	112.5	113.0	113.5	114.0	114.5	115.0	115.5	116.0	116.5
0.0	29.70	29.37	29.05	28.72	28.40	28.08	27.75	27.43	27.11
22.5	29.70	29.37	29.05	28.72	28.40	28.08	27.75	27.43	27.11
45.0	29.70	29.37	29.05	28.72	28.40	28.08	27.75	27.43	27.11
67.5	29.70	29.37	29.05	28.72	28.40	28.08	27.75	27.43	27.11
90.0	29.70	29.37	29.05	28.72	28.40	28.08	27.75	27.43	27.11
112.5	29.70	29.37	29.05	28.72	28.40	28.08	27.75	27.43	27.11
135.0	29.70	29.37	29.05	28.72	28.40	28.08	27.75	27.43	27.11
157.5	29.70	29.37	29.05	28.72	28.40	28.08	27.75	27.43	27.11
180.0	29.70	29.37	29.05	28.72	28.40	28.08	27.75	27.43	27.11
202.5	29.70	29.37	29.05	28.72	28.40	28.08	27.75	27.43	27.11
225.0	29.70	29.37	29.05	28.72	28.40	28.08	27.75	27.43	27.11
247.5	29.70	29.37	29.05	28.72	28.40	28.08	27.75	27.43	27.11
270.0	29.70	29.37	29.05	28.72	28.40	28.08	27.75	27.43	27.11
292.5	29.70	29.37	29.05	28.72	28.40	28.08	27.75	27.43	27.11
315.0	29.70	29.37	29.05	28.72	28.40	28.08	27.75	27.43	27.11
337.5	29.70	29.37	29.05	28.72	28.40	28.08	27.75	27.43	27.11
360.0	29.70	29.37	29.05	28.72	28.40	28.08	27.75	27.43	27.11
C/γ(°)	117.0	117.5	118.0	118.5	119.0	119.5	120.0	120.5	121.0
0.0	26.79	26.47	26.15	25.83	25.51	25.19	24.87	24.55	24.24
22.5	26.79	26.47	26.15	25.83	25.51	25.19	24.87	24.55	24.24
45.0	26.79	26.47	26.15	25.83	25.51	25.19	24.87	24.55	24.24
67.5	26.79	26.47	26.15	25.83	25.51	25.19	24.87	24.55	24.24
90.0	26.79	26.47	26.15	25.83	25.51	25.19	24.87	24.55	24.24
112.5	26.79	26.47	26.15	25.83	25.51	25.19	24.87	24.55	24.24
135.0	26.79	26.47	26.15	25.83	25.51	25.19	24.87	24.55	24.24
157.5	26.79	26.47	26.15	25.83	25.51	25.19	24.87	24.55	24.24
180.0	26.79	26.47	26.15	25.83	25.51	25.19	24.87	24.55	24.24
202.5	26.79	26.47	26.15	25.83	25.51	25.19	24.87	24.55	24.24
225.0	26.79	26.47	26.15	25.83	25.51	25.19	24.87	24.55	24.24
247.5	26.79	26.47	26.15	25.83	25.51	25.19	24.87	24.55	24.24
270.0	26.79	26.47	26.15	25.83	25.51	25.19	24.87	24.55	24.24
292.5	26.79	26.47	26.15	25.83	25.51	25.19	24.87	24.55	24.24
315.0	26.79	26.47	26.15	25.83	25.51	25.19	24.87	24.55	24.24
337.5	26.79	26.47	26.15	25.83	25.51	25.19	24.87	24.55	24.24
360.0	26.79	26.47	26.15	25.83	25.51	25.19	24.87	24.55	24.24

C/γ(°)	121.5	122.0	122.5	123.0	123.5	124.0	124.5	125.0	125.5
0.0	23.92	23.60	23.28	22.97	22.66	22.34	22.03	21.71	21.40
22.5	23.92	23.60	23.28	22.97	22.66	22.34	22.03	21.71	21.40
45.0	23.92	23.60	23.28	22.97	22.66	22.34	22.03	21.71	21.40
67.5	23.92	23.60	23.28	22.97	22.66	22.34	22.03	21.71	21.40
90.0	23.92	23.60	23.28	22.97	22.66	22.34	22.03	21.71	21.40
112.5	23.92	23.60	23.28	22.97	22.66	22.34	22.03	21.71	21.40
135.0	23.92	23.60	23.28	22.97	22.66	22.34	22.03	21.71	21.40
157.5	23.92	23.60	23.28	22.97	22.66	22.34	22.03	21.71	21.40
180.0	23.92	23.60	23.28	22.97	22.66	22.34	22.03	21.71	21.40
202.5	23.92	23.60	23.28	22.97	22.66	22.34	22.03	21.71	21.40
225.0	23.92	23.60	23.28	22.97	22.66	22.34	22.03	21.71	21.40
247.5	23.92	23.60	23.28	22.97	22.66	22.34	22.03	21.71	21.40
270.0	23.92	23.60	23.28	22.97	22.66	22.34	22.03	21.71	21.40
292.5	23.92	23.60	23.28	22.97	22.66	22.34	22.03	21.71	21.40
315.0	23.92	23.60	23.28	22.97	22.66	22.34	22.03	21.71	21.40
337.5	23.92	23.60	23.28	22.97	22.66	22.34	22.03	21.71	21.40
360.0	23.92	23.60	23.28	22.97	22.66	22.34	22.03	21.71	21.40
C/γ(°)	126.0	126.5	127.0	127.5	128.0	128.5	129.0	129.5	130.0
0.0	21.09	20.78	20.47	20.16	19.85	19.54	19.23	18.93	18.62
22.5	21.09	20.78	20.47	20.16	19.85	19.54	19.23	18.93	18.62
45.0	21.09	20.78	20.47	20.16	19.85	19.54	19.23	18.93	18.62
67.5	21.09	20.78	20.47	20.16	19.85	19.54	19.23	18.93	18.62
90.0	21.09	20.78	20.47	20.16	19.85	19.54	19.23	18.93	18.62
112.5	21.09	20.78	20.47	20.16	19.85	19.54	19.23	18.93	18.62
135.0	21.09	20.78	20.47	20.16	19.85	19.54	19.23	18.93	18.62
157.5	21.09	20.78	20.47	20.16	19.85	19.54	19.23	18.93	18.62
180.0	21.09	20.78	20.47	20.16	19.85	19.54	19.23	18.93	18.62
202.5	21.09	20.78	20.47	20.16	19.85	19.54	19.23	18.93	18.62
225.0	21.09	20.78	20.47	20.16	19.85	19.54	19.23	18.93	18.62
247.5	21.09	20.78	20.47	20.16	19.85	19.54	19.23	18.93	18.62
270.0	21.09	20.78	20.47	20.16	19.85	19.54	19.23	18.93	18.62
292.5	21.09	20.78	20.47	20.16	19.85	19.54	19.23	18.93	18.62
315.0	21.09	20.78	20.47	20.16	19.85	19.54	19.23	18.93	18.62
337.5	21.09	20.78	20.47	20.16	19.85	19.54	19.23	18.93	18.62
360.0	21.09	20.78	20.47	20.16	19.85	19.54	19.23	18.93	18.62
C/γ(°)	130.5	131.0	131.5	132.0	132.5	133.0	133.5	134.0	134.5
0.0	18.32	18.01	17.71	17.41	17.11	16.80	16.50	16.21	15.91
22.5	18.32	18.01	17.71	17.41	17.11	16.80	16.50	16.21	15.91
45.0	18.32	18.01	17.71	17.41	17.11	16.80	16.50	16.21	15.91
67.5	18.32	18.01	17.71	17.41	17.11	16.80	16.50	16.21	15.91
90.0	18.32	18.01	17.71	17.41	17.11	16.80	16.50	16.21	15.91
112.5	18.32	18.01	17.71	17.41	17.11	16.80	16.50	16.21	15.91
135.0	18.32	18.01	17.71	17.41	17.11	16.80	16.50	16.21	15.91
157.5	18.32	18.01	17.71	17.41	17.11	16.80	16.50	16.21	15.91
180.0	18.32	18.01	17.71	17.41	17.11	16.80	16.50	16.21	15.91
202.5	18.32	18.01	17.71	17.41	17.11	16.80	16.50	16.21	15.91
225.0	18.32	18.01	17.71	17.41	17.11	16.80	16.50	16.21	15.91
247.5	18.32	18.01	17.71	17.41	17.11	16.80	16.50	16.21	15.91
270.0	18.32	18.01	17.71	17.41	17.11	16.80	16.50	16.21	15.91
292.5	18.32	18.01	17.71	17.41	17.11	16.80	16.50	16.21	15.91
315.0	18.32	18.01	17.71	17.41	17.11	16.80	16.50	16.21	15.91
337.5	18.32	18.01	17.71	17.41	17.11	16.80	16.50	16.21	15.91
360.0	18.32	18.01	17.71	17.41	17.11	16.80	16.50	16.21	15.91

C/ $\gamma(^{\circ})$	135.0	135.5	136.0	136.5	137.0	137.5	138.0	138.5	139.0
0.0	15.61	15.32	15.02	14.73	14.44	14.14	13.86	13.57	13.28
22.5	15.61	15.32	15.02	14.73	14.44	14.14	13.86	13.57	13.28
45.0	15.61	15.32	15.02	14.73	14.44	14.14	13.86	13.57	13.28
67.5	15.61	15.32	15.02	14.73	14.44	14.14	13.86	13.57	13.28
90.0	15.61	15.32	15.02	14.73	14.44	14.14	13.86	13.57	13.28
112.5	15.61	15.32	15.02	14.73	14.44	14.14	13.86	13.57	13.28
135.0	15.61	15.32	15.02	14.73	14.44	14.14	13.86	13.57	13.28
157.5	15.61	15.32	15.02	14.73	14.44	14.14	13.86	13.57	13.28
180.0	15.61	15.32	15.02	14.73	14.44	14.14	13.86	13.57	13.28
202.5	15.61	15.32	15.02	14.73	14.44	14.14	13.86	13.57	13.28
225.0	15.61	15.32	15.02	14.73	14.44	14.14	13.86	13.57	13.28
247.5	15.61	15.32	15.02	14.73	14.44	14.14	13.86	13.57	13.28
270.0	15.61	15.32	15.02	14.73	14.44	14.14	13.86	13.57	13.28
292.5	15.61	15.32	15.02	14.73	14.44	14.14	13.86	13.57	13.28
315.0	15.61	15.32	15.02	14.73	14.44	14.14	13.86	13.57	13.28
337.5	15.61	15.32	15.02	14.73	14.44	14.14	13.86	13.57	13.28
360.0	15.61	15.32	15.02	14.73	14.44	14.14	13.86	13.57	13.28
C/ $\gamma(^{\circ})$	139.5	140.0	140.5	141.0	141.5	142.0	142.5	143.0	143.5
0.0	12.99	12.71	12.42	12.14	11.86	11.58	11.30	11.03	10.75
22.5	12.99	12.71	12.42	12.14	11.86	11.58	11.30	11.03	10.75
45.0	12.99	12.71	12.42	12.14	11.86	11.58	11.30	11.03	10.75
67.5	12.99	12.71	12.42	12.14	11.86	11.58	11.30	11.03	10.75
90.0	12.99	12.71	12.42	12.14	11.86	11.58	11.30	11.03	10.75
112.5	12.99	12.71	12.42	12.14	11.86	11.58	11.30	11.03	10.75
135.0	12.99	12.71	12.42	12.14	11.86	11.58	11.30	11.03	10.75
157.5	12.99	12.71	12.42	12.14	11.86	11.58	11.30	11.03	10.75
180.0	12.99	12.71	12.42	12.14	11.86	11.58	11.30	11.03	10.75
202.5	12.99	12.71	12.42	12.14	11.86	11.58	11.30	11.03	10.75
225.0	12.99	12.71	12.42	12.14	11.86	11.58	11.30	11.03	10.75
247.5	12.99	12.71	12.42	12.14	11.86	11.58	11.30	11.03	10.75
270.0	12.99	12.71	12.42	12.14	11.86	11.58	11.30	11.03	10.75
292.5	12.99	12.71	12.42	12.14	11.86	11.58	11.30	11.03	10.75
315.0	12.99	12.71	12.42	12.14	11.86	11.58	11.30	11.03	10.75
337.5	12.99	12.71	12.42	12.14	11.86	11.58	11.30	11.03	10.75
360.0	12.99	12.71	12.42	12.14	11.86	11.58	11.30	11.03	10.75
C/ $\gamma(^{\circ})$	144.0	144.5	145.0	145.5	146.0	146.5	147.0	147.5	148.0
0.0	10.48	10.21	9.94	9.68	9.41	9.15	8.89	8.63	8.38
22.5	10.48	10.21	9.94	9.68	9.41	9.15	8.89	8.63	8.38
45.0	10.48	10.21	9.94	9.68	9.41	9.15	8.89	8.63	8.38
67.5	10.48	10.21	9.94	9.68	9.41	9.15	8.89	8.63	8.38
90.0	10.48	10.21	9.94	9.68	9.41	9.15	8.89	8.63	8.38
112.5	10.48	10.21	9.94	9.68	9.41	9.15	8.89	8.63	8.38
135.0	10.48	10.21	9.94	9.68	9.41	9.15	8.89	8.63	8.38
157.5	10.48	10.21	9.94	9.68	9.41	9.15	8.89	8.63	8.38
180.0	10.48	10.21	9.94	9.68	9.41	9.15	8.89	8.63	8.38
202.5	10.48	10.21	9.94	9.68	9.41	9.15	8.89	8.63	8.38
225.0	10.48	10.21	9.94	9.68	9.41	9.15	8.89	8.63	8.38
247.5	10.48	10.21	9.94	9.68	9.41	9.15	8.89	8.63	8.38
270.0	10.48	10.21	9.94	9.68	9.41	9.15	8.89	8.63	8.38
292.5	10.48	10.21	9.94	9.68	9.41	9.15	8.89	8.63	8.38
315.0	10.48	10.21	9.94	9.68	9.41	9.15	8.89	8.63	8.38
337.5	10.48	10.21	9.94	9.68	9.41	9.15	8.89	8.63	8.38
360.0	10.48	10.21	9.94	9.68	9.41	9.15	8.89	8.63	8.38

C/ γ (°)	148.5	149.0	149.5	150.0	150.5	151.0	151.5	152.0	152.5
0.0	8.12	7.87	7.62	7.38	7.13	6.89	6.65	6.41	6.18
22.5	8.12	7.87	7.62	7.38	7.13	6.89	6.65	6.41	6.18
45.0	8.12	7.87	7.62	7.38	7.13	6.89	6.65	6.41	6.18
67.5	8.12	7.87	7.62	7.38	7.13	6.89	6.65	6.41	6.18
90.0	8.12	7.87	7.62	7.38	7.13	6.89	6.65	6.41	6.18
112.5	8.12	7.87	7.62	7.38	7.13	6.89	6.65	6.41	6.18
135.0	8.12	7.87	7.62	7.38	7.13	6.89	6.65	6.41	6.18
157.5	8.12	7.87	7.62	7.38	7.13	6.89	6.65	6.41	6.18
180.0	8.12	7.87	7.62	7.38	7.13	6.89	6.65	6.41	6.18
202.5	8.12	7.87	7.62	7.38	7.13	6.89	6.65	6.41	6.18
225.0	8.12	7.87	7.62	7.38	7.13	6.89	6.65	6.41	6.18
247.5	8.12	7.87	7.62	7.38	7.13	6.89	6.65	6.41	6.18
270.0	8.12	7.87	7.62	7.38	7.13	6.89	6.65	6.41	6.18
292.5	8.12	7.87	7.62	7.38	7.13	6.89	6.65	6.41	6.18
315.0	8.12	7.87	7.62	7.38	7.13	6.89	6.65	6.41	6.18
337.5	8.12	7.87	7.62	7.38	7.13	6.89	6.65	6.41	6.18
360.0	8.12	7.87	7.62	7.38	7.13	6.89	6.65	6.41	6.18
C/ γ (°)	153.0	153.5	154.0	154.5	155.0	155.5	156.0	156.5	157.0
0.0	5.95	5.73	5.51	5.29	5.08	4.87	4.66	4.46	4.26
22.5	5.95	5.73	5.51	5.29	5.08	4.87	4.66	4.46	4.26
45.0	5.95	5.73	5.51	5.29	5.08	4.87	4.66	4.46	4.26
67.5	5.95	5.73	5.51	5.29	5.08	4.87	4.66	4.46	4.26
90.0	5.95	5.73	5.51	5.29	5.08	4.87	4.66	4.46	4.26
112.5	5.95	5.73	5.51	5.29	5.08	4.87	4.66	4.46	4.26
135.0	5.95	5.73	5.51	5.29	5.08	4.87	4.66	4.46	4.26
157.5	5.95	5.73	5.51	5.29	5.08	4.87	4.66	4.46	4.26
180.0	5.95	5.73	5.51	5.29	5.08	4.87	4.66	4.46	4.26
202.5	5.95	5.73	5.51	5.29	5.08	4.87	4.66	4.46	4.26
225.0	5.95	5.73	5.51	5.29	5.08	4.87	4.66	4.46	4.26
247.5	5.95	5.73	5.51	5.29	5.08	4.87	4.66	4.46	4.26
270.0	5.95	5.73	5.51	5.29	5.08	4.87	4.66	4.46	4.26
292.5	5.95	5.73	5.51	5.29	5.08	4.87	4.66	4.46	4.26
315.0	5.95	5.73	5.51	5.29	5.08	4.87	4.66	4.46	4.26
337.5	5.95	5.73	5.51	5.29	5.08	4.87	4.66	4.46	4.26
360.0	5.95	5.73	5.51	5.29	5.08	4.87	4.66	4.46	4.26
C/ γ (°)	157.5	158.0	158.5	159.0	159.5	160.0	160.5	161.0	161.5
0.0	4.07	3.88	3.70	3.52	3.35	3.18	3.01	2.85	2.69
22.5	4.07	3.88	3.70	3.52	3.35	3.18	3.01	2.85	2.69
45.0	4.07	3.88	3.70	3.52	3.35	3.18	3.01	2.85	2.69
67.5	4.07	3.88	3.70	3.52	3.35	3.18	3.01	2.85	2.69
90.0	4.07	3.88	3.70	3.52	3.35	3.18	3.01	2.85	2.69
112.5	4.07	3.88	3.70	3.52	3.35	3.18	3.01	2.85	2.69
135.0	4.07	3.88	3.70	3.52	3.35	3.18	3.01	2.85	2.69
157.5	4.07	3.88	3.70	3.52	3.35	3.18	3.01	2.85	2.69
180.0	4.07	3.88	3.70	3.52	3.35	3.18	3.01	2.85	2.69
202.5	4.07	3.88	3.70	3.52	3.35	3.18	3.01	2.85	2.69
225.0	4.07	3.88	3.70	3.52	3.35	3.18	3.01	2.85	2.69
247.5	4.07	3.88	3.70	3.52	3.35	3.18	3.01	2.85	2.69
270.0	4.07	3.88	3.70	3.52	3.35	3.18	3.01	2.85	2.69
292.5	4.07	3.88	3.70	3.52	3.35	3.18	3.01	2.85	2.69
315.0	4.07	3.88	3.70	3.52	3.35	3.18	3.01	2.85	2.69
337.5	4.07	3.88	3.70	3.52	3.35	3.18	3.01	2.85	2.69
360.0	4.07	3.88	3.70	3.52	3.35	3.18	3.01	2.85	2.69

C/γ(°)	162.0	162.5	163.0	163.5	164.0	164.5	165.0	165.5	166.0
0.0	2.54	2.39	2.25	2.11	1.97	1.84	1.71	1.57	1.43
22.5	2.54	2.39	2.25	2.11	1.97	1.84	1.71	1.57	1.43
45.0	2.54	2.39	2.25	2.11	1.97	1.84	1.71	1.57	1.43
67.5	2.54	2.39	2.25	2.11	1.97	1.84	1.71	1.57	1.43
90.0	2.54	2.39	2.25	2.11	1.97	1.84	1.71	1.57	1.43
112.5	2.54	2.39	2.25	2.11	1.97	1.84	1.71	1.57	1.43
135.0	2.54	2.39	2.25	2.11	1.97	1.84	1.71	1.57	1.43
157.5	2.54	2.39	2.25	2.11	1.97	1.84	1.71	1.57	1.43
180.0	2.54	2.39	2.25	2.11	1.97	1.84	1.71	1.57	1.43
202.5	2.54	2.39	2.25	2.11	1.97	1.84	1.71	1.57	1.43
225.0	2.54	2.39	2.25	2.11	1.97	1.84	1.71	1.57	1.43
247.5	2.54	2.39	2.25	2.11	1.97	1.84	1.71	1.57	1.43
270.0	2.54	2.39	2.25	2.11	1.97	1.84	1.71	1.57	1.43
292.5	2.54	2.39	2.25	2.11	1.97	1.84	1.71	1.57	1.43
315.0	2.54	2.39	2.25	2.11	1.97	1.84	1.71	1.57	1.43
337.5	2.54	2.39	2.25	2.11	1.97	1.84	1.71	1.57	1.43
360.0	2.54	2.39	2.25	2.11	1.97	1.84	1.71	1.57	1.43
C/γ(°)	166.5	167.0	167.5	168.0	168.5	169.0	169.5	170.0	170.5
0.0	1.29	1.14	0.98	0.82	0.69	0.57	0.47	0.37	0.30
22.5	1.29	1.14	0.98	0.82	0.69	0.57	0.47	0.37	0.30
45.0	1.29	1.14	0.98	0.82	0.69	0.57	0.47	0.37	0.30
67.5	1.29	1.14	0.98	0.82	0.69	0.57	0.47	0.37	0.30
90.0	1.29	1.14	0.98	0.82	0.69	0.57	0.47	0.37	0.30
112.5	1.29	1.14	0.98	0.82	0.69	0.57	0.47	0.37	0.30
135.0	1.29	1.14	0.98	0.82	0.69	0.57	0.47	0.37	0.30
157.5	1.29	1.14	0.98	0.82	0.69	0.57	0.47	0.37	0.30
180.0	1.29	1.14	0.98	0.82	0.69	0.57	0.47	0.37	0.30
202.5	1.29	1.14	0.98	0.82	0.69	0.57	0.47	0.37	0.30
225.0	1.29	1.14	0.98	0.82	0.69	0.57	0.47	0.37	0.30
247.5	1.29	1.14	0.98	0.82	0.69	0.57	0.47	0.37	0.30
270.0	1.29	1.14	0.98	0.82	0.69	0.57	0.47	0.37	0.30
292.5	1.29	1.14	0.98	0.82	0.69	0.57	0.47	0.37	0.30
315.0	1.29	1.14	0.98	0.82	0.69	0.57	0.47	0.37	0.30
337.5	1.29	1.14	0.98	0.82	0.69	0.57	0.47	0.37	0.30
360.0	1.29	1.14	0.98	0.82	0.69	0.57	0.47	0.37	0.30
C/γ(°)	171.0	171.5	172.0	172.5	173.0	173.5	174.0	174.5	175.0
0.0	0.23	0.17	0.11	0.08	0.07	0.07	0.07	0.07	0.07
22.5	0.23	0.17	0.11	0.08	0.07	0.07	0.07	0.07	0.07
45.0	0.23	0.17	0.11	0.08	0.07	0.07	0.07	0.07	0.07
67.5	0.23	0.17	0.11	0.08	0.07	0.07	0.07	0.07	0.07
90.0	0.23	0.17	0.11	0.08	0.07	0.07	0.07	0.07	0.07
112.5	0.23	0.17	0.11	0.08	0.07	0.07	0.07	0.07	0.07
135.0	0.23	0.17	0.11	0.08	0.07	0.07	0.07	0.07	0.07
157.5	0.23	0.17	0.11	0.08	0.07	0.07	0.07	0.07	0.07
180.0	0.23	0.17	0.11	0.08	0.07	0.07	0.07	0.07	0.07
202.5	0.23	0.17	0.11	0.08	0.07	0.07	0.07	0.07	0.07
225.0	0.23	0.17	0.11	0.08	0.07	0.07	0.07	0.07	0.07
247.5	0.23	0.17	0.11	0.08	0.07	0.07	0.07	0.07	0.07
270.0	0.23	0.17	0.11	0.08	0.07	0.07	0.07	0.07	0.07
292.5	0.23	0.17	0.11	0.08	0.07	0.07	0.07	0.07	0.07
315.0	0.23	0.17	0.11	0.08	0.07	0.07	0.07	0.07	0.07
337.5	0.23	0.17	0.11	0.08	0.07	0.07	0.07	0.07	0.07
360.0	0.23	0.17	0.11	0.08	0.07	0.07	0.07	0.07	0.07

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	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
22.5	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
45.0	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
67.5	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
90.0	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
112.5	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
135.0	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
157.5	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
180.0	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
202.5	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
225.0	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
247.5	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
270.0	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
292.5	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
315.0	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
337.5	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
360.0	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
C/ γ (°)	180.0								
0.0	0.08								
22.5	0.08								
45.0	0.08								
67.5	0.08								
90.0	0.08								
112.5	0.08								
135.0	0.08								
157.5	0.08								
180.0	0.08								
202.5	0.08								
225.0	0.08								
247.5	0.08								
270.0	0.08								
292.5	0.08								
315.0	0.08								
337.5	0.08								
360.0	0.08								