



Report No	:		Voltage	:	V
Test No	:	A2407441C001	Current	:	A
LumCAT	:	LIT by CARDI	Power	:	50.000 W
Luminaire	:	0017440202 50W 4000K 6000lm PF		:	
LampCAT	:		Ballast type	:	
Lamp flux	:	6000.0 lm	Width	:	109 mm
Number of Lamps	:	1	Length	:	164 mm
Phm Type	:	C	Height	:	0 mm

Photometric Results

Lumens(lm)	:	6000.00	Central intensity(cd)	:	1975.962
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	1984.602
Luminous Efficacy(lm/W)	:	120.00	Angle of maximum intensity	:	C=90.0 γ =3.5
IES Classification	:	TypeII	Max Cd(At 90°Vert)	:	6.206
Longitudinal Classification	:	VeryShort	Max Cd(80 to 90°Vert)	:	240.664
Cut Off Classification	:	FullCutoff			
Beam Angle(50%Imax)	:	[C0/180]Total=118.2 [C90/270]Total=118.2			
Field angle(10%Imax)	:	[C0/180]Total=162.4 [C90/270]Total=162.6			
Street Side UpWard Lumens	:	0.10%of Lamp 0.10%of Luminaire			
Street Side DownWard Lumens	:	49.90%of Lamp 49.90%of Luminaire			
House Side UpWard Lumens	:	0.10%of Lamp 0.10%of Luminaire			
House Side DownWard Lumens	:	49.90%of Lamp 49.90%of Luminaire			

SLI: 4.816 (C Flash Area: 0.004), Throw: 103.2 (long), Spread: 26.5 (narrow), Control: 4.816 (tight)

Zonal flux distribution table

Appendix Page: 2 Total:31

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1975.962	0.000	0	0.00%	0.00%
0.5	1975.428	0.473	0.473	0.01%	0.01%
1.0	1974.195	1.417	1.89	0.02%	0.03%
1.5	1973.912	2.361	4.251	0.04%	0.07%
2.0	1973.661	3.305	7.556	0.06%	0.13%
2.5	1973.715	4.249	11.805	0.07%	0.20%
3.0	1972.941	5.191	16.996	0.09%	0.28%
3.5	1971.817	6.131	23.127	0.10%	0.39%
4.0	1971.217	7.070	30.197	0.12%	0.50%
4.5	1969.472	8.006	38.204	0.13%	0.64%
5.0	1967.235	8.937	47.141	0.15%	0.79%
5.5	1965.894	9.866	57.008	0.16%	0.95%
6.0	1964.628	10.796	67.804	0.18%	1.13%
6.5	1963.581	11.724	79.528	0.20%	1.33%
7.0	1962.250	12.650	92.178	0.21%	1.54%
7.5	1959.458	13.568	105.747	0.23%	1.76%
8.0	1957.428	14.481	120.227	0.24%	2.00%
8.5	1955.105	15.392	135.619	0.26%	2.26%
9.0	1953.032	16.299	151.918	0.27%	2.53%
9.5	1951.396	17.206	169.124	0.29%	2.82%
10.0	1947.610	18.102	187.226	0.30%	3.12%
10.5	1944.851	18.989	206.215	0.32%	3.44%
11.0	1943.389	19.883	226.098	0.33%	3.77%
11.5	1941.142	20.776	246.875	0.35%	4.11%
12.0	1936.756	21.650	268.525	0.36%	4.48%
12.5	1932.098	22.505	291.03	0.38%	4.85%
13.0	1928.106	23.356	314.386	0.39%	5.24%
13.5	1924.899	24.211	338.597	0.40%	5.64%
14.0	1921.353	25.063	363.66	0.42%	6.06%
14.5	1917.590	25.907	389.567	0.43%	6.49%
15.0	1913.193	26.739	416.306	0.45%	6.94%
15.5	1908.383	27.558	443.864	0.46%	7.40%
16.0	1902.721	28.361	472.225	0.47%	7.87%
16.5	1898.947	29.165	501.39	0.49%	8.36%
17.0	1894.529	29.972	531.362	0.50%	8.86%
17.5	1890.394	30.771	562.133	0.51%	9.37%
18.0	1885.834	31.562	593.695	0.53%	9.89%
18.5	1880.260	32.334	626.029	0.54%	10.43%

Equipment: GMS-1800
Temperature($^{\circ}$ C): 25.0Date: 2024/07/02
Humidity(%): 55.3%

Operator: CWR

Zonal flux distribution table

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
19.0	1874.195	33.086	659.115	0.55%	10.99%
19.5	1869.624	33.839	692.954	0.56%	11.55%
20.0	1862.872	34.578	727.532	0.58%	12.13%
20.5	1858.214	35.309	762.841	0.59%	12.71%
21.0	1850.774	36.026	798.867	0.60%	13.31%
21.5	1845.341	36.726	835.593	0.61%	13.93%
22.0	1840.236	37.442	873.035	0.62%	14.55%
22.5	1834.607	38.148	911.183	0.64%	15.19%
23.0	1826.371	38.813	949.996	0.65%	15.83%
23.5	1820.306	39.465	989.461	0.66%	16.49%
24.0	1814.306	40.132	1029.592	0.67%	17.16%
24.5	1807.325	40.780	1070.372	0.68%	17.84%
25.0	1799.110	41.394	1111.766	0.69%	18.53%
25.5	1791.354	41.989	1153.755	0.70%	19.23%
26.0	1785.213	42.599	1196.353	0.71%	19.94%
26.5	1778.700	43.214	1239.568	0.72%	20.66%
27.0	1770.431	43.795	1283.363	0.73%	21.39%
27.5	1762.162	44.344	1327.707	0.74%	22.13%
28.0	1753.686	44.880	1372.587	0.75%	22.88%
28.5	1745.505	45.407	1417.993	0.76%	23.63%
29.0	1737.912	45.934	1463.928	0.77%	24.40%
29.5	1730.636	46.464	1510.392	0.77%	25.17%
30.0	1721.942	46.969	1557.36	0.78%	25.96%
30.5	1713.520	47.448	1604.808	0.79%	26.75%
31.0	1706.201	47.935	1652.744	0.80%	27.55%
31.5	1696.372	48.393	1701.137	0.81%	28.35%
32.0	1686.401	48.801	1749.938	0.81%	29.17%
32.5	1676.780	49.201	1799.139	0.82%	29.99%
33.0	1668.085	49.608	1848.747	0.83%	30.81%
33.5	1658.704	50.007	1898.754	0.83%	31.65%
34.0	1649.846	50.393	1949.147	0.84%	32.49%
34.5	1640.465	50.768	1999.915	0.85%	33.33%
35.0	1630.112	51.108	2051.024	0.85%	34.18%
35.5	1620.447	51.433	2102.457	0.86%	35.04%
36.0	1610.662	51.754	2154.211	0.86%	35.90%
36.5	1599.568	52.041	2206.252	0.87%	36.77%
37.0	1589.837	52.317	2258.569	0.87%	37.64%
37.5	1578.252	52.573	2311.142	0.88%	38.52%

Zonal flux distribution table

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	1568.369	52.814	2363.955	0.88%	39.40%
38.5	1556.958	53.045	2417.001	0.88%	40.28%
39.0	1546.999	53.264	2470.264	0.89%	41.17%
39.5	1534.966	53.460	2523.724	0.89%	42.06%
40.0	1522.847	53.605	2577.329	0.89%	42.96%
40.5	1512.353	53.765	2631.094	0.90%	43.85%
41.0	1501.728	53.939	2685.033	0.90%	44.75%
41.5	1488.626	54.054	2739.088	0.90%	45.65%
42.0	1477.314	54.145	2793.232	0.90%	46.55%
42.5	1466.645	54.267	2847.499	0.90%	47.46%
43.0	1454.525	54.362	2901.861	0.91%	48.36%
43.5	1442.002	54.410	2956.271	0.91%	49.27%
44.0	1430.723	54.462	3010.733	0.91%	50.18%
44.5	1418.080	54.498	3065.231	0.91%	51.09%
45.0	1405.152	54.491	3119.722	0.91%	52.00%
45.5	1392.193	54.465	3174.186	0.91%	52.90%
46.0	1378.328	54.407	3228.593	0.91%	53.81%
46.5	1365.150	54.332	3282.925	0.91%	54.72%
47.0	1351.493	54.248	3337.173	0.90%	55.62%
47.5	1338.315	54.151	3391.323	0.90%	56.52%
48.0	1324.821	54.044	3445.367	0.90%	57.42%
48.5	1312.090	53.934	3499.302	0.90%	58.32%
49.0	1297.887	53.797	3553.098	0.90%	59.22%
49.5	1284.000	53.623	3606.722	0.89%	60.11%
50.0	1269.230	53.425	3660.146	0.89%	61.00%
50.5	1254.503	53.196	3713.342	0.89%	61.89%
51.0	1239.995	52.959	3766.301	0.88%	62.77%
51.5	1225.911	52.723	3819.025	0.88%	63.65%
52.0	1212.145	52.491	3871.515	0.87%	64.53%
52.5	1197.865	52.242	3923.758	0.87%	65.40%
53.0	1182.986	51.957	3975.714	0.87%	66.26%
53.5	1167.877	51.641	4027.355	0.86%	67.12%
54.0	1152.288	51.297	4078.652	0.85%	67.98%
54.5	1137.038	50.937	4129.589	0.85%	68.83%
55.0	1121.351	50.562	4180.151	0.84%	69.67%
55.5	1106.068	50.174	4230.325	0.84%	70.51%
56.0	1089.912	49.764	4280.089	0.83%	71.33%
56.5	1073.996	49.327	4329.416	0.82%	72.16%

Zonal flux distribution table

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
57.0	1057.775	48.876	4378.291	0.81%	72.97%
57.5	1042.023	48.416	4426.707	0.81%	73.78%
58.0	1026.074	47.951	4474.658	0.80%	74.58%
58.5	1010.115	47.469	4522.128	0.79%	75.37%
59.0	993.588	46.962	4569.09	0.78%	76.15%
59.5	977.967	46.452	4615.542	0.77%	76.93%
60.0	960.753	45.914	4661.456	0.77%	77.69%
60.5	944.172	45.341	4706.797	0.76%	78.45%
61.0	927.187	44.763	4751.56	0.75%	79.19%
61.5	909.842	44.155	4795.714	0.74%	79.93%
62.0	893.577	43.553	4839.267	0.73%	80.65%
62.5	876.101	42.937	4882.203	0.72%	81.37%
63.0	857.914	42.263	4924.466	0.70%	82.07%
63.5	840.609	41.582	4966.049	0.69%	82.77%
64.0	823.305	40.913	5006.961	0.68%	83.45%
64.5	805.608	40.223	5047.184	0.67%	84.12%
65.0	788.530	39.528	5086.712	0.66%	84.78%
65.5	770.415	38.813	5125.526	0.65%	85.43%
66.0	752.177	38.059	5163.585	0.63%	86.06%
66.5	734.000	37.294	5200.879	0.62%	86.68%
67.0	716.333	36.533	5237.411	0.61%	87.29%
67.5	698.183	35.763	5273.174	0.60%	87.89%
68.0	679.392	34.955	5308.129	0.58%	88.47%
68.5	661.126	34.135	5342.263	0.57%	89.04%
69.0	642.603	33.312	5375.576	0.56%	89.59%
69.5	623.818	32.467	5408.043	0.54%	90.13%
70.0	606.102	31.635	5439.678	0.53%	90.66%
70.5	587.131	30.789	5470.466	0.51%	91.17%
71.0	569.175	29.928	5500.395	0.50%	91.67%
71.5	550.016	29.055	5529.45	0.48%	92.16%
72.0	531.126	28.149	5557.599	0.47%	92.63%
72.5	512.289	27.244	5584.843	0.45%	93.08%
73.0	493.785	26.341	5611.184	0.44%	93.52%
73.5	474.866	25.429	5636.613	0.42%	93.94%
74.0	456.183	24.505	5661.119	0.41%	94.35%
74.5	437.644	23.585	5684.703	0.39%	94.75%
75.0	419.758	22.678	5707.382	0.38%	95.12%
75.5	400.939	21.758	5729.14	0.36%	95.49%

Zonal flux distribution table

Appendix Page: 6 Total:31

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	382.752	20.824	5749.964	0.35%	95.83%
76.5	364.072	19.888	5769.852	0.33%	96.16%
77.0	345.887	18.946	5788.798	0.32%	96.48%
77.5	327.713	18.012	5806.809	0.30%	96.78%
78.0	310.003	17.085	5823.895	0.28%	97.06%
78.5	291.780	16.152	5840.047	0.27%	97.33%
79.0	274.107	15.216	5855.263	0.25%	97.59%
79.5	256.656	14.296	5869.559	0.24%	97.83%
80.0	239.470	13.384	5882.943	0.22%	98.05%
80.5	222.395	12.479	5895.423	0.21%	98.26%
81.0	205.999	11.592	5907.015	0.19%	98.45%
81.5	189.441	10.715	5917.73	0.18%	98.63%
82.0	173.724	9.853	5927.583	0.16%	98.79%
82.5	157.979	9.011	5936.594	0.15%	98.94%
83.0	142.581	8.174	5944.768	0.14%	99.08%
83.5	126.957	7.338	5952.106	0.12%	99.20%
84.0	112.427	6.524	5958.63	0.11%	99.31%
84.5	97.980	5.739	5964.369	0.10%	99.41%
85.0	83.824	4.963	5969.333	0.08%	99.49%
85.5	70.437	4.215	5973.547	0.07%	99.56%
86.0	57.886	3.508	5977.056	0.06%	99.62%
86.5	46.298	2.850	5979.906	0.05%	99.67%
87.0	36.429	2.264	5982.17	0.04%	99.70%
87.5	28.230	1.771	5983.941	0.03%	99.73%
88.0	21.141	1.352	5985.293	0.02%	99.75%
88.5	14.870	0.987	5986.28	0.02%	99.77%
89.0	9.660	0.672	5986.952	0.01%	99.78%
89.5	6.085	0.432	5987.384	0.01%	99.79%
90.0	3.715	0.269	5987.652	0.00%	99.79%
90.5	1.815	0.152	5987.804	0.00%	99.80%
91.0	0.661	0.068	5987.872	0.00%	99.80%
91.5	0.413	0.029	5987.901	0.00%	99.80%
92.0	0.370	0.021	5987.923	0.00%	99.80%
92.5	0.365	0.020	5987.943	0.00%	99.80%
93.0	0.361	0.020	5987.963	0.00%	99.80%
93.5	0.336	0.019	5987.982	0.00%	99.80%
94.0	0.377	0.020	5988.001	0.00%	99.80%
94.5	0.357	0.020	5988.021	0.00%	99.80%

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

Date: 2024/07/02
Humidity(%): 55.3%

Operator: CWR

Zonal flux distribution table

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
95.0	0.361	0.020	5988.041	0.00%	99.80%
95.5	0.382	0.020	5988.061	0.00%	99.80%
96.0	0.415	0.022	5988.083	0.00%	99.80%
96.5	0.424	0.023	5988.106	0.00%	99.80%
97.0	0.419	0.023	5988.129	0.00%	99.80%
97.5	0.415	0.023	5988.152	0.00%	99.80%
98.0	0.479	0.024	5988.176	0.00%	99.80%
98.5	0.483	0.026	5988.202	0.00%	99.80%
99.0	0.479	0.026	5988.228	0.00%	99.80%
99.5	0.516	0.027	5988.255	0.00%	99.80%
100.0	0.541	0.029	5988.284	0.00%	99.80%
100.5	0.562	0.030	5988.313	0.00%	99.81%
101.0	0.604	0.031	5988.345	0.00%	99.81%
101.5	0.629	0.033	5988.378	0.00%	99.81%
102.0	0.648	0.034	5988.412	0.00%	99.81%
102.5	0.755	0.038	5988.45	0.00%	99.81%
103.0	0.829	0.042	5988.492	0.00%	99.81%
103.5	0.860	0.045	5988.537	0.00%	99.81%
104.0	0.922	0.047	5988.585	0.00%	99.81%
104.5	0.945	0.050	5988.634	0.00%	99.81%
105.0	0.969	0.051	5988.685	0.00%	99.81%
105.5	0.961	0.051	5988.736	0.00%	99.81%
106.0	0.990	0.051	5988.787	0.00%	99.81%
106.5	1.027	0.053	5988.84	0.00%	99.81%
107.0	1.032	0.054	5988.895	0.00%	99.81%
107.5	1.082	0.055	5988.95	0.00%	99.82%
108.0	1.078	0.056	5989.006	0.00%	99.82%
108.5	1.107	0.057	5989.063	0.00%	99.82%
109.0	1.132	0.058	5989.121	0.00%	99.82%
109.5	1.163	0.059	5989.181	0.00%	99.82%
110.0	1.217	0.061	5989.242	0.00%	99.82%
110.5	1.271	0.064	5989.306	0.00%	99.82%
111.0	1.296	0.066	5989.372	0.00%	99.82%
111.5	1.312	0.067	5989.439	0.00%	99.82%
112.0	1.346	0.068	5989.506	0.00%	99.83%
112.5	1.393	0.069	5989.576	0.00%	99.83%
113.0	1.434	0.071	5989.647	0.00%	99.83%
113.5	1.467	0.073	5989.72	0.00%	99.83%

Zonal flux distribution table

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	1.493	0.074	5989.795	0.00%	99.83%
114.5	1.530	0.076	5989.87	0.00%	99.83%
115.0	1.553	0.077	5989.947	0.00%	99.83%
115.5	1.627	0.079	5990.026	0.00%	99.83%
116.0	1.706	0.082	5990.108	0.00%	99.84%
116.5	1.708	0.084	5990.192	0.00%	99.84%
117.0	1.741	0.084	5990.276	0.00%	99.84%
117.5	1.774	0.086	5990.362	0.00%	99.84%
118.0	1.774	0.086	5990.448	0.00%	99.84%
118.5	1.820	0.087	5990.535	0.00%	99.84%
119.0	1.833	0.088	5990.623	0.00%	99.84%
119.5	1.887	0.089	5990.712	0.00%	99.85%
120.0	1.883	0.090	5990.801	0.00%	99.85%
120.5	1.925	0.090	5990.892	0.00%	99.85%
121.0	1.950	0.091	5990.983	0.00%	99.85%
121.5	1.968	0.092	5991.075	0.00%	99.85%
122.0	1.984	0.092	5991.167	0.00%	99.85%
122.5	1.996	0.092	5991.259	0.00%	99.85%
123.0	2.014	0.092	5991.352	0.00%	99.86%
123.5	2.060	0.093	5991.445	0.00%	99.86%
124.0	2.073	0.094	5991.539	0.00%	99.86%
124.5	2.089	0.094	5991.633	0.00%	99.86%
125.0	2.090	0.094	5991.728	0.00%	99.86%
125.5	2.126	0.094	5991.822	0.00%	99.86%
126.0	2.136	0.095	5991.917	0.00%	99.87%
126.5	2.168	0.095	5992.012	0.00%	99.87%
127.0	2.181	0.096	5992.107	0.00%	99.87%
127.5	2.185	0.095	5992.203	0.00%	99.87%
128.0	2.224	0.096	5992.298	0.00%	99.87%
128.5	2.265	0.097	5992.395	0.00%	99.87%
129.0	2.253	0.097	5992.492	0.00%	99.87%
129.5	2.256	0.096	5992.587	0.00%	99.88%
130.0	2.248	0.095	5992.682	0.00%	99.88%
130.5	2.257	0.094	5992.777	0.00%	99.88%
131.0	2.269	0.094	5992.87	0.00%	99.88%
131.5	2.273	0.094	5992.964	0.00%	99.88%
132.0	2.290	0.093	5993.057	0.00%	99.88%
132.5	2.306	0.093	5993.151	0.00%	99.89%

Zonal flux distribution table

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
133.0	2.306	0.093	5993.244	0.00%	99.89%
133.5	2.320	0.092	5993.336	0.00%	99.89%
134.0	2.332	0.092	5993.428	0.00%	99.89%
134.5	2.386	0.093	5993.521	0.00%	99.89%
135.0	2.396	0.093	5993.614	0.00%	99.89%
135.5	2.412	0.093	5993.707	0.00%	99.90%
136.0	2.445	0.093	5993.799	0.00%	99.90%
136.5	2.474	0.093	5993.893	0.00%	99.90%
137.0	2.529	0.094	5993.987	0.00%	99.90%
137.5	2.542	0.094	5994.081	0.00%	99.90%
138.0	2.571	0.094	5994.175	0.00%	99.90%
138.5	2.584	0.094	5994.269	0.00%	99.90%
139.0	2.634	0.094	5994.364	0.00%	99.91%
139.5	2.655	0.095	5994.458	0.00%	99.91%
140.0	2.668	0.094	5994.553	0.00%	99.91%
140.5	2.689	0.094	5994.647	0.00%	99.91%
141.0	2.726	0.094	5994.741	0.00%	99.91%
141.5	2.727	0.094	5994.834	0.00%	99.91%
142.0	2.777	0.093	5994.927	0.00%	99.92%
142.5	2.802	0.094	5995.021	0.00%	99.92%
143.0	2.848	0.094	5995.115	0.00%	99.92%
143.5	2.869	0.094	5995.209	0.00%	99.92%
144.0	2.899	0.093	5995.302	0.00%	99.92%
144.5	2.924	0.093	5995.395	0.00%	99.92%
145.0	2.953	0.093	5995.488	0.00%	99.92%
145.5	2.990	0.093	5995.581	0.00%	99.93%
146.0	3.008	0.093	5995.674	0.00%	99.93%
146.5	3.036	0.092	5995.766	0.00%	99.93%
147.0	3.045	0.091	5995.857	0.00%	99.93%
147.5	3.091	0.091	5995.948	0.00%	99.93%
148.0	3.116	0.091	5996.039	0.00%	99.93%
148.5	3.149	0.090	5996.129	0.00%	99.94%
149.0	3.163	0.090	5996.219	0.00%	99.94%
149.5	3.205	0.089	5996.309	0.00%	99.94%
150.0	3.259	0.089	5996.398	0.00%	99.94%
150.5	3.276	0.089	5996.487	0.00%	99.94%
151.0	3.326	0.088	5996.575	0.00%	99.94%
151.5	3.385	0.088	5996.664	0.00%	99.94%

Zonal flux distribution table

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	3.422	0.088	5996.752	0.00%	99.95%
152.5	3.452	0.088	5996.84	0.00%	99.95%
153.0	3.486	0.087	5996.927	0.00%	99.95%
153.5	3.535	0.087	5997.013	0.00%	99.95%
154.0	3.570	0.086	5997.1	0.00%	99.95%
154.5	3.615	0.086	5997.185	0.00%	99.95%
155.0	3.711	0.086	5997.271	0.00%	99.95%
155.5	3.783	0.086	5997.357	0.00%	99.96%
156.0	3.837	0.086	5997.443	0.00%	99.96%
156.5	3.943	0.086	5997.529	0.00%	99.96%
157.0	4.043	0.086	5997.615	0.00%	99.96%
157.5	4.123	0.087	5997.702	0.00%	99.96%
158.0	4.173	0.086	5997.788	0.00%	99.96%
158.5	4.244	0.086	5997.873	0.00%	99.96%
159.0	4.291	0.085	5997.958	0.00%	99.97%
159.5	4.329	0.084	5998.042	0.00%	99.97%
160.0	4.412	0.083	5998.125	0.00%	99.97%
160.5	4.466	0.082	5998.207	0.00%	99.97%
161.0	4.529	0.081	5998.288	0.00%	99.97%
161.5	4.596	0.080	5998.369	0.00%	99.97%
162.0	4.618	0.079	5998.448	0.00%	99.97%
162.5	4.717	0.078	5998.526	0.00%	99.98%
163.0	4.735	0.077	5998.603	0.00%	99.98%
163.5	4.789	0.075	5998.678	0.00%	99.98%
164.0	4.824	0.074	5998.752	0.00%	99.98%
164.5	4.878	0.072	5998.824	0.00%	99.98%
165.0	4.924	0.071	5998.894	0.00%	99.98%
165.5	4.966	0.069	5998.963	0.00%	99.98%
166.0	5.000	0.067	5999.031	0.00%	99.98%
166.5	5.025	0.065	5999.096	0.00%	99.98%
167.0	5.054	0.063	5999.159	0.00%	99.99%
167.5	5.075	0.061	5999.221	0.00%	99.99%
168.0	5.088	0.059	5999.28	0.00%	99.99%
168.5	5.126	0.057	5999.337	0.00%	99.99%
169.0	5.150	0.055	5999.392	0.00%	99.99%
169.5	5.150	0.053	5999.444	0.00%	99.99%
170.0	5.176	0.050	5999.495	0.00%	99.99%
170.5	5.204	0.048	5999.543	0.00%	99.99%

Zonal flux distribution table

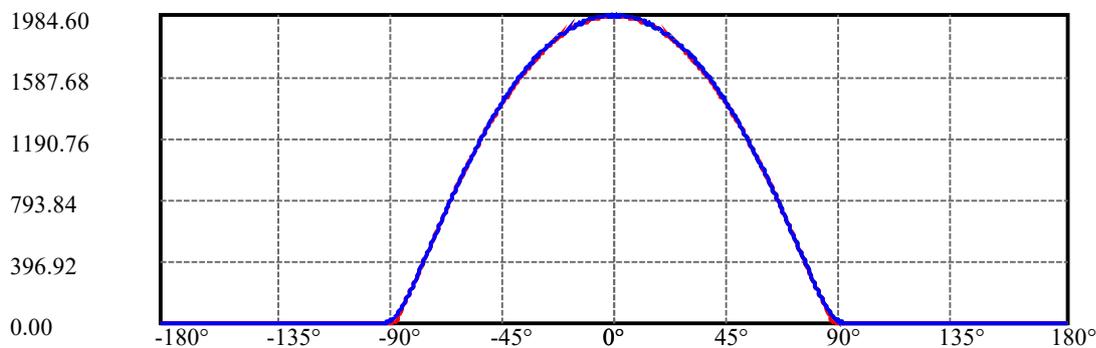
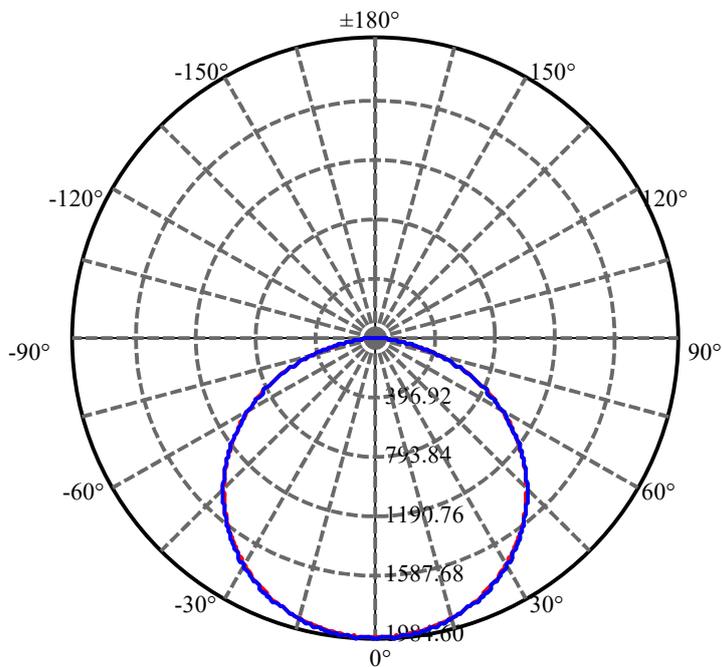
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
171.0	5.259	0.046	5999.589	0.00%	99.99%
171.5	5.280	0.044	5999.633	0.00%	99.99%
172.0	5.299	0.042	5999.675	0.00%	99.99%
172.5	5.364	0.039	5999.714	0.00%	100.00%
173.0	5.373	0.037	5999.751	0.00%	100.00%
173.5	5.377	0.035	5999.786	0.00%	100.00%
174.0	5.365	0.032	5999.818	0.00%	100.00%
174.5	5.373	0.029	5999.847	0.00%	100.00%
175.0	5.359	0.027	5999.874	0.00%	100.00%
175.5	5.335	0.024	5999.899	0.00%	100.00%
176.0	5.306	0.022	5999.92	0.00%	100.00%
176.5	5.313	0.019	5999.939	0.00%	100.00%
177.0	5.281	0.016	5999.956	0.00%	100.00%
177.5	5.280	0.014	5999.97	0.00%	100.00%
178.0	5.246	0.011	5999.981	0.00%	100.00%
178.5	5.175	0.009	5999.99	0.00%	100.00%
179.0	5.084	0.006	5999.996	0.00%	100.00%
179.5	5.012	0.004	5999.999	0.00%	100.00%
180.0	4.962	0.001	6000.001	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1557.36	25.96%	25.96%
0-40	2577.33	42.96%	42.96%
0-60	4661.46	77.69%	77.69%
0-90	5987.65	99.79%	99.79%
0-120	5990.80	99.85%	99.85%
0-180	6000.00	100.00%	100.00%
60-90	1326.20	22.10%	22.10%
90-120	3.15	0.05%	0.05%
90-130	5.03	0.08%	0.08%
90-150	8.75	0.15%	0.15%
90-180	12.35	0.21%	0.21%
0-61.55	4800.00	80.00%	80.00%

ZONAL LUMEN SUMMARY

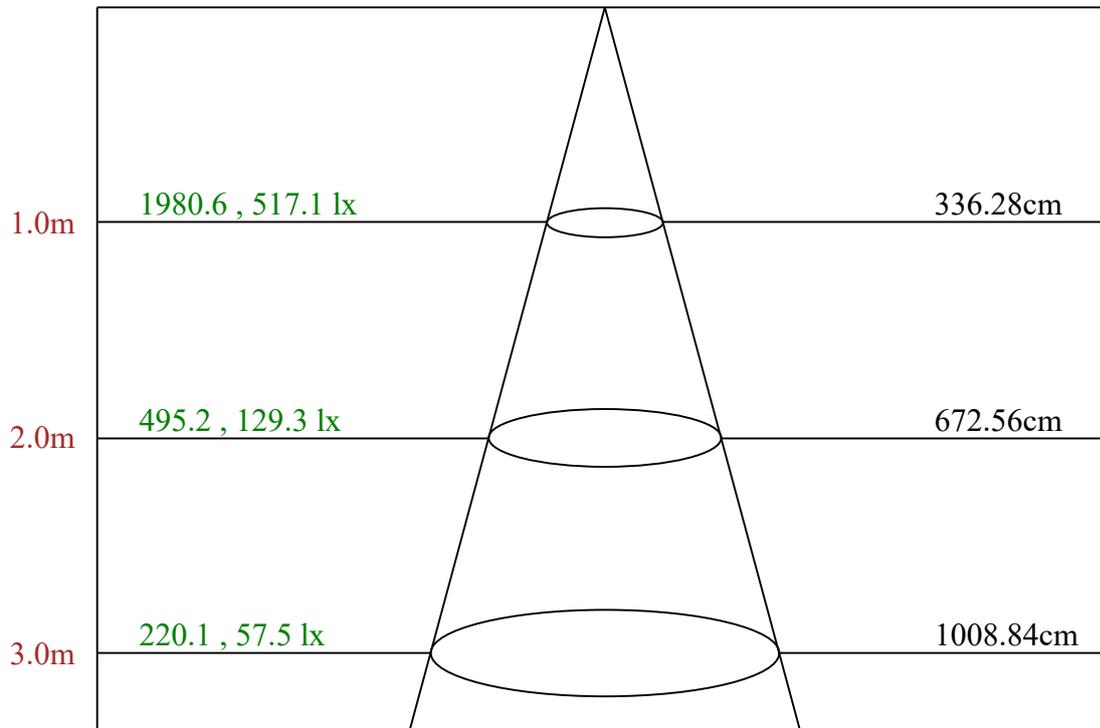
0-10	187.23
10-20	540.31
20-30	829.83
30-40	1019.97
40-50	1082.82
50-60	1001.31
60-70	778.22
70-80	443.27
80-90	104.71
90-100	0.63
100-110	0.96
110-120	1.56
120-130	1.88
130-140	1.87
140-150	1.85
150-160	1.73
160-170	1.37
170-180	0.50



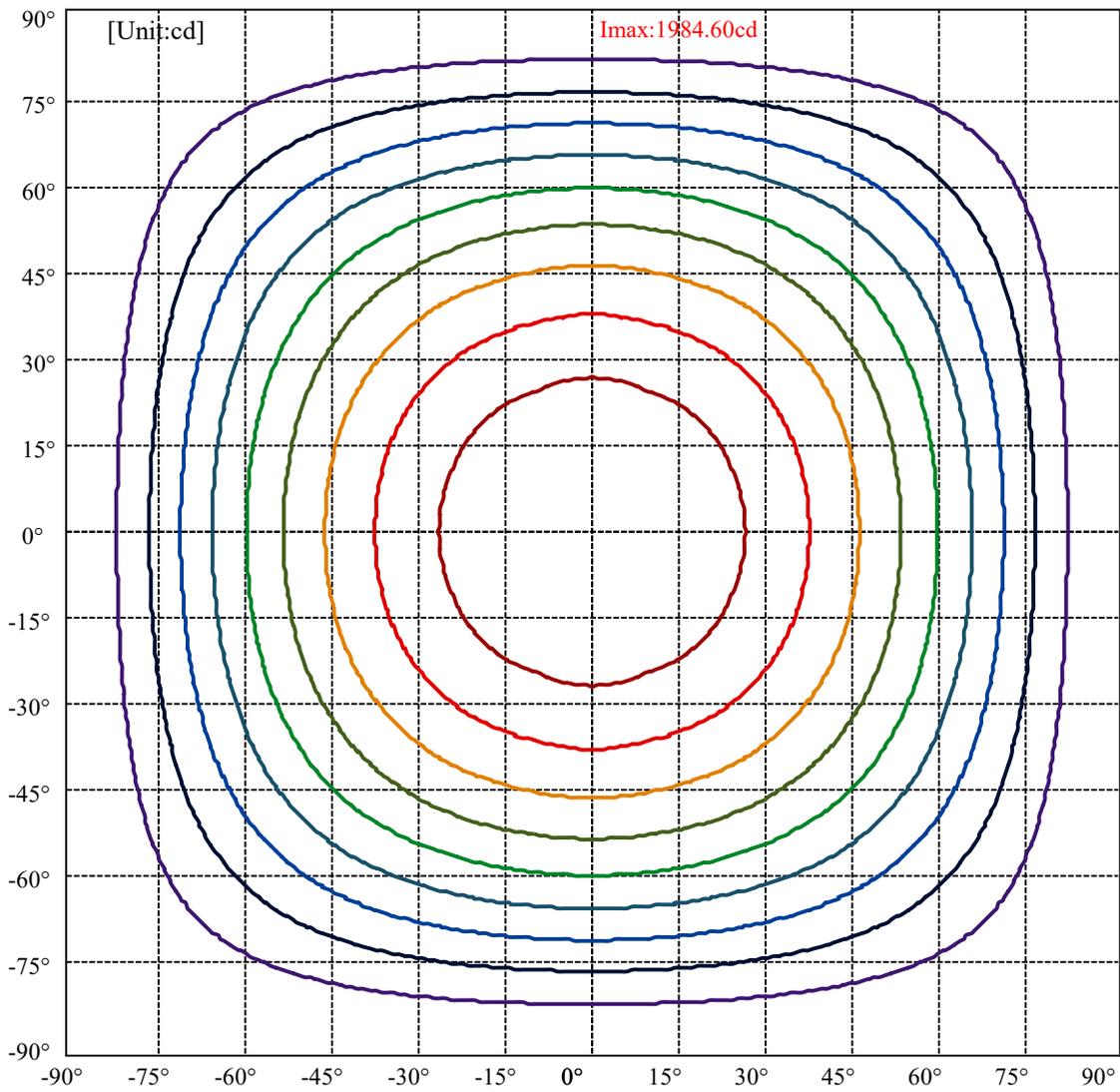
C90(Max): ———
 C0/C180: ———
 C90/C270: ———

Field angle(10%Imax):C0/180Left:82.7 Right:79.7
 :C90/270Left:84.8 Right:77.8

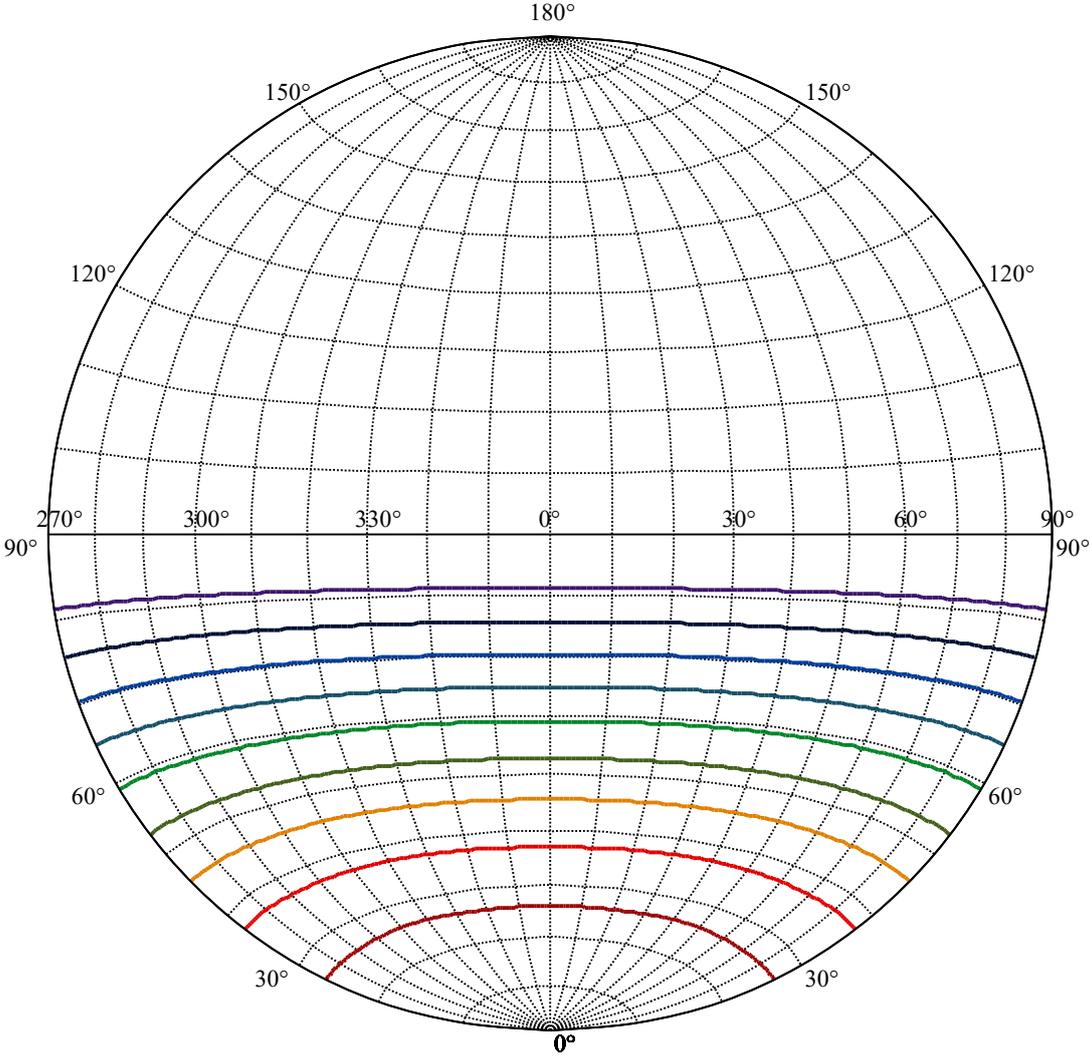
Beam Angle(50%Imax):C0/180Left:60.6 Right:57.6
 :C90/270Left:62.6 Right:55.6



Max , Ave Beam angle of C90 plane 118.52



(10%Imax)	198.12	—
(20%Imax)	396.24	—
(30%Imax)	594.359	—
(40%Imax)	792.479	—
(50%Imax)	990.599	—
(60%Imax)	1188.72	—
(70%Imax)	1386.84	—
(80%Imax)	1584.96	—
(90%Imax)	1783.08	—



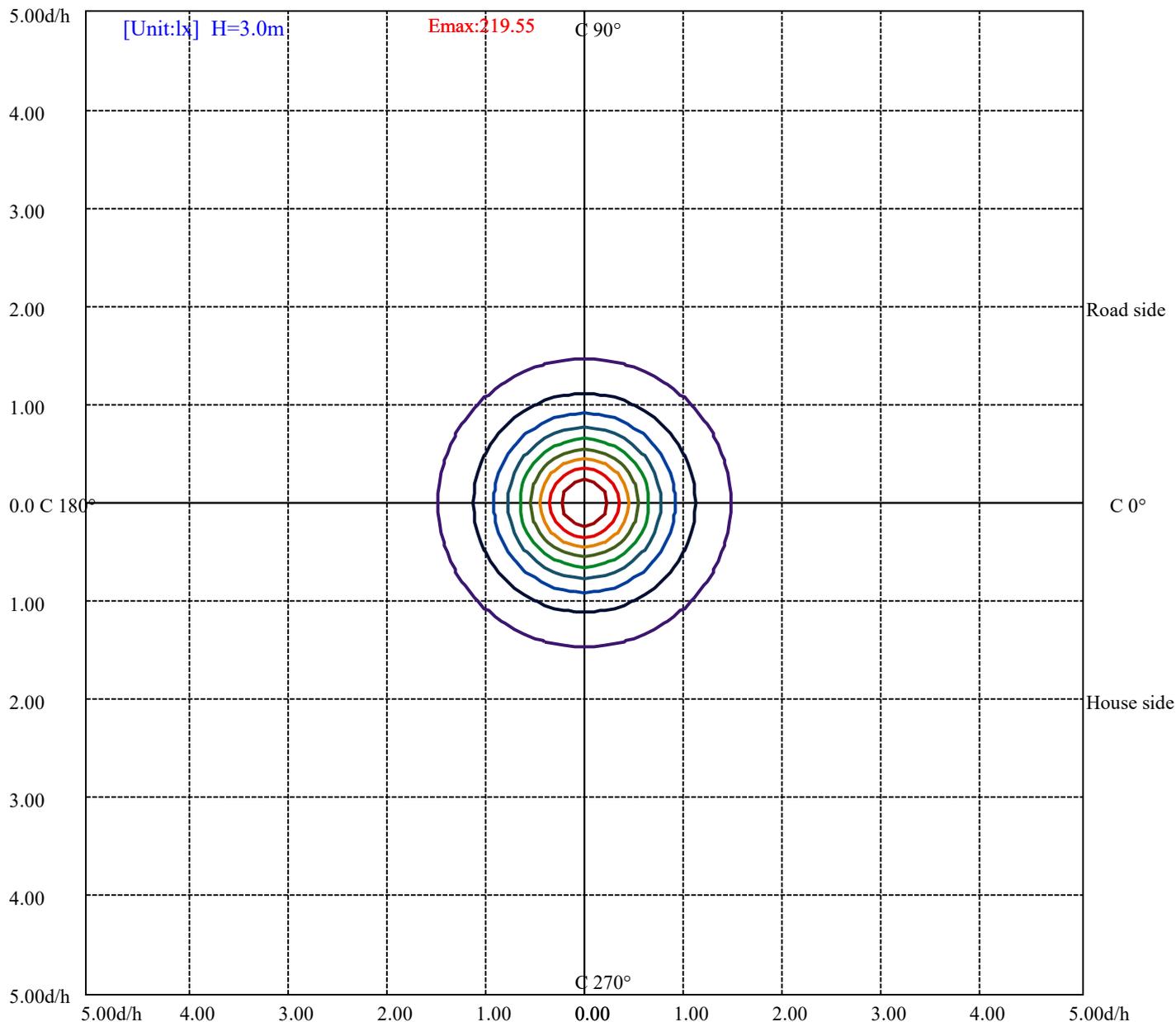
House

[Unit:cd]

Road

Imax:1984.60

- (10%Imax) 198.12
- (20%Imax) 396.24
- (30%Imax) 594.359
- (40%Imax) 792.479
- (50%Imax) 990.599
- (60%Imax) 1188.72
- (70%Imax) 1386.84
- (80%Imax) 1584.96
- (90%Imax) 1783.08



- (10%Emax) 21.95511
- (20%Emax) 43.91022
- (30%Emax) 65.86533
- (40%Emax) 87.82056
- (50%Emax) 109.7757
- (60%Emax) 131.7311
- (70%Emax) 153.6856
- (80%Emax) 175.6411
- (90%Emax) 197.5967

Intensity data(cd)

C/γ(°)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
0.0	1975.96	1976.22	1975.70	1976.75	1974.39	1973.43	1975.79	1970.64	1969.94
22.5	1975.96	1974.92	1975.18	1975.35	1975.09	1973.87	1972.47	1973.34	1972.73
45.0	1975.96	1973.61	1973.52	1973.78	1972.30	1972.82	1971.42	1970.81	1969.07
67.5	1975.96	1974.65	1972.04	1969.33	1971.25	1972.04	1969.94	1965.49	1967.50
90.0	1975.96	1980.85	1976.40	1977.62	1977.62	1978.84	1980.06	1984.60	1981.20
112.5	1975.96	1974.65	1972.04	1969.33	1971.25	1972.04	1969.94	1965.49	1967.50
135.0	1975.96	1973.61	1973.52	1973.78	1972.30	1972.82	1971.42	1970.81	1969.07
157.5	1975.96	1974.92	1975.18	1975.35	1975.09	1973.87	1972.47	1973.34	1972.73
180.0	1975.96	1976.22	1975.70	1976.75	1974.39	1973.43	1975.79	1970.64	1969.94
202.5	1975.96	1974.92	1975.18	1975.35	1975.09	1973.87	1972.47	1973.34	1972.73
225.0	1975.96	1973.61	1973.52	1973.78	1972.30	1972.82	1971.42	1970.81	1969.07
247.5	1975.96	1974.65	1972.04	1969.33	1971.25	1972.04	1969.94	1965.49	1967.50
270.0	1975.96	1980.85	1976.40	1977.62	1977.62	1978.84	1980.06	1984.60	1981.20
292.5	1975.96	1974.65	1972.04	1969.33	1971.25	1972.04	1969.94	1965.49	1967.50
315.0	1975.96	1973.61	1973.52	1973.78	1972.30	1972.82	1971.42	1970.81	1969.07
337.5	1975.96	1974.92	1975.18	1975.35	1975.09	1973.87	1972.47	1973.34	1972.73
360.0	1975.96	1976.22	1975.70	1976.75	1974.39	1973.43	1975.79	1970.64	1969.94
C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	1972.30	1970.46	1969.42	1967.15	1964.71	1963.13	1961.48	1956.24	1954.76
22.5	1971.77	1969.42	1967.50	1965.14	1965.32	1964.27	1960.52	1957.37	1955.54
45.0	1969.07	1966.71	1964.36	1962.61	1960.95	1959.73	1956.85	1956.24	1953.80
67.5	1964.97	1962.00	1961.21	1962.44	1960.69	1958.77	1956.50	1954.06	1950.83
90.0	1971.86	1971.16	1971.60	1969.50	1970.03	1969.33	1966.45	1967.85	1965.75
112.5	1964.97	1962.00	1961.21	1962.44	1960.69	1958.77	1956.50	1954.06	1950.83
135.0	1969.07	1966.71	1964.36	1962.61	1960.95	1959.73	1956.85	1956.24	1953.80
157.5	1971.77	1969.42	1967.50	1965.14	1965.32	1964.27	1960.52	1957.37	1955.54
180.0	1972.30	1970.46	1969.42	1967.15	1964.71	1963.13	1961.48	1956.24	1954.76
202.5	1971.77	1969.42	1967.50	1965.14	1965.32	1964.27	1960.52	1957.37	1955.54
225.0	1969.07	1966.71	1964.36	1962.61	1960.95	1959.73	1956.85	1956.24	1953.80
247.5	1964.97	1962.00	1961.21	1962.44	1960.69	1958.77	1956.50	1954.06	1950.83
270.0	1971.86	1971.16	1971.60	1969.50	1970.03	1969.33	1966.45	1967.85	1965.75
292.5	1964.97	1962.00	1961.21	1962.44	1960.69	1958.77	1956.50	1954.06	1950.83
315.0	1969.07	1966.71	1964.36	1962.61	1960.95	1959.73	1956.85	1956.24	1953.80
337.5	1971.77	1969.42	1967.50	1965.14	1965.32	1964.27	1960.52	1957.37	1955.54
360.0	1972.30	1970.46	1969.42	1967.15	1964.71	1963.13	1961.48	1956.24	1954.76
C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	1955.89	1954.49	1946.73	1943.41	1940.71	1937.91	1935.03	1933.03	1929.19
22.5	1953.62	1951.00	1950.04	1946.90	1944.20	1939.05	1936.34	1932.50	1929.19
45.0	1952.49	1950.39	1945.77	1942.89	1943.59	1940.01	1934.77	1930.93	1928.58
67.5	1949.17	1947.43	1943.32	1942.28	1942.63	1939.75	1935.82	1929.36	1925.70
90.0	1957.81	1959.03	1955.89	1951.27	1945.59	1953.62	1945.16	1938.17	1928.75
112.5	1949.17	1947.43	1943.32	1942.28	1942.63	1939.75	1935.82	1929.36	1925.70
135.0	1952.49	1950.39	1945.77	1942.89	1943.59	1940.01	1934.77	1930.93	1928.58
157.5	1953.62	1951.00	1950.04	1946.90	1944.20	1939.05	1936.34	1932.50	1929.19
180.0	1955.89	1954.49	1946.73	1943.41	1940.71	1937.91	1935.03	1933.03	1929.19
202.5	1953.62	1951.00	1950.04	1946.90	1944.20	1939.05	1936.34	1932.50	1929.19
225.0	1952.49	1950.39	1945.77	1942.89	1943.59	1940.01	1934.77	1930.93	1928.58
247.5	1949.17	1947.43	1943.32	1942.28	1942.63	1939.75	1935.82	1929.36	1925.70
270.0	1957.81	1959.03	1955.89	1951.27	1945.59	1953.62	1945.16	1938.17	1928.75
292.5	1949.17	1947.43	1943.32	1942.28	1942.63	1939.75	1935.82	1929.36	1925.70
315.0	1952.49	1950.39	1945.77	1942.89	1943.59	1940.01	1934.77	1930.93	1928.58
337.5	1953.62	1951.00	1950.04	1946.90	1944.20	1939.05	1936.34	1932.50	1929.19
360.0	1955.89	1954.49	1946.73	1943.41	1940.71	1937.91	1935.03	1933.03	1929.19

Intensity data(cd)

C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	1923.25	1925.35	1920.63	1914.96	1912.43	1905.80	1902.05	1898.73	1892.88
22.5	1925.70	1921.33	1917.06	1912.60	1906.50	1902.31	1898.64	1894.71	1888.52
45.0	1924.82	1920.28	1917.67	1913.91	1908.33	1903.97	1899.78	1894.71	1890.61
67.5	1920.28	1917.40	1915.22	1908.50	1905.01	1899.86	1894.80	1890.53	1886.42
90.0	1934.34	1927.44	1920.20	1920.55	1914.96	1903.70	1903.09	1897.59	1899.17
112.5	1920.28	1917.40	1915.22	1908.50	1905.01	1899.86	1894.80	1890.53	1886.42
135.0	1924.82	1920.28	1917.67	1913.91	1908.33	1903.97	1899.78	1894.71	1890.61
157.5	1925.70	1921.33	1917.06	1912.60	1906.50	1902.31	1898.64	1894.71	1888.52
180.0	1923.25	1925.35	1920.63	1914.96	1912.43	1905.80	1902.05	1898.73	1892.88
202.5	1925.70	1921.33	1917.06	1912.60	1906.50	1902.31	1898.64	1894.71	1888.52
225.0	1924.82	1920.28	1917.67	1913.91	1908.33	1903.97	1899.78	1894.71	1890.61
247.5	1920.28	1917.40	1915.22	1908.50	1905.01	1899.86	1894.80	1890.53	1886.42
270.0	1934.34	1927.44	1920.20	1920.55	1914.96	1903.70	1903.09	1897.59	1899.17
292.5	1920.28	1917.40	1915.22	1908.50	1905.01	1899.86	1894.80	1890.53	1886.42
315.0	1924.82	1920.28	1917.67	1913.91	1908.33	1903.97	1899.78	1894.71	1890.61
337.5	1925.70	1921.33	1917.06	1912.60	1906.50	1902.31	1898.64	1894.71	1888.52
360.0	1923.25	1925.35	1920.63	1914.96	1912.43	1905.80	1902.05	1898.73	1892.88
C/γ(°)	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0
0.0	1888.26	1883.63	1876.74	1871.85	1864.96	1857.01	1852.74	1848.20	1840.35
22.5	1884.42	1879.70	1874.47	1868.36	1861.29	1857.19	1849.25	1844.36	1839.56
45.0	1885.38	1879.44	1874.03	1869.76	1864.00	1857.54	1849.33	1844.27	1839.47
67.5	1886.60	1879.09	1871.41	1867.92	1860.68	1857.19	1846.19	1841.04	1838.51
90.0	1885.64	1881.97	1877.00	1873.07	1866.09	1864.87	1863.91	1855.18	1846.45
112.5	1886.60	1879.09	1871.41	1867.92	1860.68	1857.19	1846.19	1841.04	1838.51
135.0	1885.38	1879.44	1874.03	1869.76	1864.00	1857.54	1849.33	1844.27	1839.47
157.5	1884.42	1879.70	1874.47	1868.36	1861.29	1857.19	1849.25	1844.36	1839.56
180.0	1888.26	1883.63	1876.74	1871.85	1864.96	1857.01	1852.74	1848.20	1840.35
202.5	1884.42	1879.70	1874.47	1868.36	1861.29	1857.19	1849.25	1844.36	1839.56
225.0	1885.38	1879.44	1874.03	1869.76	1864.00	1857.54	1849.33	1844.27	1839.47
247.5	1886.60	1879.09	1871.41	1867.92	1860.68	1857.19	1846.19	1841.04	1838.51
270.0	1885.64	1881.97	1877.00	1873.07	1866.09	1864.87	1863.91	1855.18	1846.45
292.5	1886.60	1879.09	1871.41	1867.92	1860.68	1857.19	1846.19	1841.04	1838.51
315.0	1885.38	1879.44	1874.03	1869.76	1864.00	1857.54	1849.33	1844.27	1839.47
337.5	1884.42	1879.70	1874.47	1868.36	1861.29	1857.19	1849.25	1844.36	1839.56
360.0	1888.26	1883.63	1876.74	1871.85	1864.96	1857.01	1852.74	1848.20	1840.35
C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	1834.59	1825.86	1819.84	1813.99	1806.40	1798.37	1790.25	1785.89	1778.21
22.5	1832.84	1826.38	1821.15	1813.99	1807.18	1799.07	1791.74	1783.79	1776.81
45.0	1832.93	1827.17	1820.36	1813.90	1807.88	1800.46	1793.31	1786.50	1780.30
67.5	1832.75	1823.50	1815.04	1811.90	1803.52	1795.75	1787.20	1783.01	1774.63
90.0	1845.23	1831.01	1829.52	1820.88	1815.04	1803.95	1796.10	1789.21	1787.90
112.5	1832.75	1823.50	1815.04	1811.90	1803.52	1795.75	1787.20	1783.01	1774.63
135.0	1832.93	1827.17	1820.36	1813.90	1807.88	1800.46	1793.31	1786.50	1780.30
157.5	1832.84	1826.38	1821.15	1813.99	1807.18	1799.07	1791.74	1783.79	1776.81
180.0	1834.59	1825.86	1819.84	1813.99	1806.40	1798.37	1790.25	1785.89	1778.21
202.5	1832.84	1826.38	1821.15	1813.99	1807.18	1799.07	1791.74	1783.79	1776.81
225.0	1832.93	1827.17	1820.36	1813.90	1807.88	1800.46	1793.31	1786.50	1780.30
247.5	1832.75	1823.50	1815.04	1811.90	1803.52	1795.75	1787.20	1783.01	1774.63
270.0	1845.23	1831.01	1829.52	1820.88	1815.04	1803.95	1796.10	1789.21	1787.90
292.5	1832.75	1823.50	1815.04	1811.90	1803.52	1795.75	1787.20	1783.01	1774.63
315.0	1832.93	1827.17	1820.36	1813.90	1807.88	1800.46	1793.31	1786.50	1780.30
337.5	1832.84	1826.38	1821.15	1813.99	1807.18	1799.07	1791.74	1783.79	1776.81
360.0	1834.59	1825.86	1819.84	1813.99	1806.40	1798.37	1790.25	1785.89	1778.21

Intensity data(cd)

C/ γ (°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	1770.18	1761.72	1751.33	1741.82	1734.92	1727.94	1719.39	1710.84	1699.84
22.5	1770.18	1762.06	1755.26	1747.32	1737.80	1730.91	1722.18	1711.97	1705.43
45.0	1771.05	1763.02	1755.87	1746.36	1739.99	1731.87	1723.67	1715.38	1705.95
67.5	1766.95	1759.27	1750.02	1742.25	1733.18	1727.51	1719.39	1710.58	1704.03
90.0	1776.90	1766.86	1755.87	1750.37	1746.44	1736.58	1725.67	1721.48	1718.95
112.5	1766.95	1759.27	1750.02	1742.25	1733.18	1727.51	1719.39	1710.58	1704.03
135.0	1771.05	1763.02	1755.87	1746.36	1739.99	1731.87	1723.67	1715.38	1705.95
157.5	1770.18	1762.06	1755.26	1747.32	1737.80	1730.91	1722.18	1711.97	1705.43
180.0	1770.18	1761.72	1751.33	1741.82	1734.92	1727.94	1719.39	1710.84	1699.84
202.5	1770.18	1762.06	1755.26	1747.32	1737.80	1730.91	1722.18	1711.97	1705.43
225.0	1771.05	1763.02	1755.87	1746.36	1739.99	1731.87	1723.67	1715.38	1705.95
247.5	1766.95	1759.27	1750.02	1742.25	1733.18	1727.51	1719.39	1710.58	1704.03
270.0	1776.90	1766.86	1755.87	1750.37	1746.44	1736.58	1725.67	1721.48	1718.95
292.5	1766.95	1759.27	1750.02	1742.25	1733.18	1727.51	1719.39	1710.58	1704.03
315.0	1771.05	1763.02	1755.87	1746.36	1739.99	1731.87	1723.67	1715.38	1705.95
337.5	1770.18	1762.06	1755.26	1747.32	1737.80	1730.91	1722.18	1711.97	1705.43
360.0	1770.18	1761.72	1751.33	1741.82	1734.92	1727.94	1719.39	1710.84	1699.84
C/ γ (°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	1690.24	1681.86	1672.79	1663.19	1654.72	1645.56	1634.30	1623.57	1616.59
22.5	1694.26	1683.96	1675.23	1667.90	1658.91	1650.45	1641.63	1631.86	1620.77
45.0	1698.44	1688.85	1679.33	1669.99	1661.79	1651.84	1641.98	1632.64	1621.39
67.5	1693.47	1683.17	1675.32	1665.89	1653.50	1646.26	1637.97	1626.62	1618.07
90.0	1708.39	1697.40	1681.69	1673.92	1666.50	1656.12	1646.26	1635.09	1626.53
112.5	1693.47	1683.17	1675.32	1665.89	1653.50	1646.26	1637.97	1626.62	1618.07
135.0	1698.44	1688.85	1679.33	1669.99	1661.79	1651.84	1641.98	1632.64	1621.39
157.5	1694.26	1683.96	1675.23	1667.90	1658.91	1650.45	1641.63	1631.86	1620.77
180.0	1690.24	1681.86	1672.79	1663.19	1654.72	1645.56	1634.30	1623.57	1616.59
202.5	1694.26	1683.96	1675.23	1667.90	1658.91	1650.45	1641.63	1631.86	1620.77
225.0	1698.44	1688.85	1679.33	1669.99	1661.79	1651.84	1641.98	1632.64	1621.39
247.5	1693.47	1683.17	1675.32	1665.89	1653.50	1646.26	1637.97	1626.62	1618.07
270.0	1708.39	1697.40	1681.69	1673.92	1666.50	1656.12	1646.26	1635.09	1626.53
292.5	1693.47	1683.17	1675.32	1665.89	1653.50	1646.26	1637.97	1626.62	1618.07
315.0	1698.44	1688.85	1679.33	1669.99	1661.79	1651.84	1641.98	1632.64	1621.39
337.5	1694.26	1683.96	1675.23	1667.90	1658.91	1650.45	1641.63	1631.86	1620.77
360.0	1690.24	1681.86	1672.79	1663.19	1654.72	1645.56	1634.30	1623.57	1616.59
C/ γ (°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	1607.60	1597.74	1585.87	1574.96	1565.79	1554.54	1545.02	1533.33	1521.20
22.5	1611.00	1600.96	1591.19	1578.89	1567.71	1555.93	1546.60	1535.25	1523.12
45.0	1611.61	1600.27	1591.19	1579.85	1570.25	1559.34	1548.86	1536.65	1525.30
67.5	1608.56	1597.21	1587.09	1574.70	1564.83	1553.49	1544.68	1531.50	1519.98
90.0	1615.36	1601.92	1593.90	1584.21	1575.57	1563.61	1550.70	1539.61	1524.78
112.5	1608.56	1597.21	1587.09	1574.70	1564.83	1553.49	1544.68	1531.50	1519.98
135.0	1611.61	1600.27	1591.19	1579.85	1570.25	1559.34	1548.86	1536.65	1525.30
157.5	1611.00	1600.96	1591.19	1578.89	1567.71	1555.93	1546.60	1535.25	1523.12
180.0	1607.60	1597.74	1585.87	1574.96	1565.79	1554.54	1545.02	1533.33	1521.20
202.5	1611.00	1600.96	1591.19	1578.89	1567.71	1555.93	1546.60	1535.25	1523.12
225.0	1611.61	1600.27	1591.19	1579.85	1570.25	1559.34	1548.86	1536.65	1525.30
247.5	1608.56	1597.21	1587.09	1574.70	1564.83	1553.49	1544.68	1531.50	1519.98
270.0	1615.36	1601.92	1593.90	1584.21	1575.57	1563.61	1550.70	1539.61	1524.78
292.5	1608.56	1597.21	1587.09	1574.70	1564.83	1553.49	1544.68	1531.50	1519.98
315.0	1611.61	1600.27	1591.19	1579.85	1570.25	1559.34	1548.86	1536.65	1525.30
337.5	1611.00	1600.96	1591.19	1578.89	1567.71	1555.93	1546.60	1535.25	1523.12
360.0	1607.60	1597.74	1585.87	1574.96	1565.79	1554.54	1545.02	1533.33	1521.20

Intensity data(cd)

C/ γ (°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	1508.81	1497.46	1484.98	1472.15	1460.63	1451.30	1439.08	1428.26	1416.91
22.5	1513.35	1503.22	1490.92	1479.49	1467.62	1455.31	1443.09	1431.84	1418.13
45.0	1512.56	1502.87	1490.39	1479.49	1467.70	1456.62	1443.18	1429.39	1416.83
67.5	1509.42	1497.99	1484.98	1473.11	1462.99	1450.25	1437.77	1429.13	1418.66
90.0	1519.37	1508.20	1491.44	1482.19	1475.91	1460.55	1448.85	1436.81	1420.49
112.5	1509.42	1497.99	1484.98	1473.11	1462.99	1450.25	1437.77	1429.13	1418.66
135.0	1512.56	1502.87	1490.39	1479.49	1467.70	1456.62	1443.18	1429.39	1416.83
157.5	1513.35	1503.22	1490.92	1479.49	1467.62	1455.31	1443.09	1431.84	1418.13
180.0	1508.81	1497.46	1484.98	1472.15	1460.63	1451.30	1439.08	1428.26	1416.91
202.5	1513.35	1503.22	1490.92	1479.49	1467.62	1455.31	1443.09	1431.84	1418.13
225.0	1512.56	1502.87	1490.39	1479.49	1467.70	1456.62	1443.18	1429.39	1416.83
247.5	1509.42	1497.99	1484.98	1473.11	1462.99	1450.25	1437.77	1429.13	1418.66
270.0	1519.37	1508.20	1491.44	1482.19	1475.91	1460.55	1448.85	1436.81	1420.49
292.5	1509.42	1497.99	1484.98	1473.11	1462.99	1450.25	1437.77	1429.13	1418.66
315.0	1512.56	1502.87	1490.39	1479.49	1467.70	1456.62	1443.18	1429.39	1416.83
337.5	1513.35	1503.22	1490.92	1479.49	1467.62	1455.31	1443.09	1431.84	1418.13
360.0	1508.81	1497.46	1484.98	1472.15	1460.63	1451.30	1439.08	1428.26	1416.91
C/ γ (°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	1405.04	1391.43	1376.33	1362.54	1349.54	1336.28	1323.36	1310.97	1296.65
22.5	1406.35	1394.14	1380.17	1366.73	1353.03	1340.55	1326.68	1314.72	1299.71
45.0	1405.31	1392.22	1380.26	1366.91	1353.12	1339.68	1324.67	1311.84	1298.05
67.5	1402.34	1387.85	1374.50	1362.19	1349.28	1334.70	1322.14	1309.66	1295.17
90.0	1408.19	1397.71	1380.43	1366.99	1351.55	1340.38	1328.25	1313.32	1300.58
112.5	1402.34	1387.85	1374.50	1362.19	1349.28	1334.70	1322.14	1309.66	1295.17
135.0	1405.31	1392.22	1380.26	1366.91	1353.12	1339.68	1324.67	1311.84	1298.05
157.5	1406.35	1394.14	1380.17	1366.73	1353.03	1340.55	1326.68	1314.72	1299.71
180.0	1405.04	1391.43	1376.33	1362.54	1349.54	1336.28	1323.36	1310.97	1296.65
202.5	1406.35	1394.14	1380.17	1366.73	1353.03	1340.55	1326.68	1314.72	1299.71
225.0	1405.31	1392.22	1380.26	1366.91	1353.12	1339.68	1324.67	1311.84	1298.05
247.5	1402.34	1387.85	1374.50	1362.19	1349.28	1334.70	1322.14	1309.66	1295.17
270.0	1408.19	1397.71	1380.43	1366.99	1351.55	1340.38	1328.25	1313.32	1300.58
292.5	1402.34	1387.85	1374.50	1362.19	1349.28	1334.70	1322.14	1309.66	1295.17
315.0	1405.31	1392.22	1380.26	1366.91	1353.12	1339.68	1324.67	1311.84	1298.05
337.5	1406.35	1394.14	1380.17	1366.73	1353.03	1340.55	1326.68	1314.72	1299.71
360.0	1405.04	1391.43	1376.33	1362.54	1349.54	1336.28	1323.36	1310.97	1296.65
C/ γ (°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	1282.69	1269.51	1253.54	1238.97	1223.44	1208.77	1196.73	1181.72	1166.80
22.5	1285.31	1269.78	1255.73	1242.11	1226.32	1213.05	1197.52	1184.16	1168.19
45.0	1286.88	1272.22	1257.30	1243.07	1227.97	1213.22	1199.44	1183.99	1167.23
67.5	1279.90	1265.15	1251.36	1236.88	1224.57	1211.39	1196.64	1180.67	1165.92
90.0	1285.14	1270.04	1253.72	1236.88	1226.14	1213.05	1199.00	1184.51	1173.52
112.5	1279.90	1265.15	1251.36	1236.88	1224.57	1211.39	1196.64	1180.67	1165.92
135.0	1286.88	1272.22	1257.30	1243.07	1227.97	1213.22	1199.44	1183.99	1167.23
157.5	1285.31	1269.78	1255.73	1242.11	1226.32	1213.05	1197.52	1184.16	1168.19
180.0	1282.69	1269.51	1253.54	1238.97	1223.44	1208.77	1196.73	1181.72	1166.80
202.5	1285.31	1269.78	1255.73	1242.11	1226.32	1213.05	1197.52	1184.16	1168.19
225.0	1286.88	1272.22	1257.30	1243.07	1227.97	1213.22	1199.44	1183.99	1167.23
247.5	1279.90	1265.15	1251.36	1236.88	1224.57	1211.39	1196.64	1180.67	1165.92
270.0	1285.14	1270.04	1253.72	1236.88	1226.14	1213.05	1199.00	1184.51	1173.52
292.5	1279.90	1265.15	1251.36	1236.88	1224.57	1211.39	1196.64	1180.67	1165.92
315.0	1286.88	1272.22	1257.30	1243.07	1227.97	1213.22	1199.44	1183.99	1167.23
337.5	1285.31	1269.78	1255.73	1242.11	1226.32	1213.05	1197.52	1184.16	1168.19
360.0	1282.69	1269.51	1253.54	1238.97	1223.44	1208.77	1196.73	1181.72	1166.80

Intensity data(cd)

C/ γ (°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	1151.35	1135.90	1122.90	1108.33	1089.30	1072.37	1055.79	1041.83	1026.21
22.5	1153.27	1138.43	1122.12	1107.37	1092.44	1075.95	1059.80	1042.79	1027.86
45.0	1152.83	1137.39	1122.03	1106.41	1091.13	1075.34	1059.02	1044.45	1027.60
67.5	1150.22	1134.94	1117.66	1102.13	1087.12	1072.11	1055.27	1040.08	1024.29
90.0	1154.32	1138.87	1124.30	1108.41	1088.60	1072.81	1058.23	1039.73	1022.89
112.5	1150.22	1134.94	1117.66	1102.13	1087.12	1072.11	1055.27	1040.08	1024.29
135.0	1152.83	1137.39	1122.03	1106.41	1091.13	1075.34	1059.02	1044.45	1027.60
157.5	1153.27	1138.43	1122.12	1107.37	1092.44	1075.95	1059.80	1042.79	1027.86
180.0	1151.35	1135.90	1122.90	1108.33	1089.30	1072.37	1055.79	1041.83	1026.21
202.5	1153.27	1138.43	1122.12	1107.37	1092.44	1075.95	1059.80	1042.79	1027.86
225.0	1152.83	1137.39	1122.03	1106.41	1091.13	1075.34	1059.02	1044.45	1027.60
247.5	1150.22	1134.94	1117.66	1102.13	1087.12	1072.11	1055.27	1040.08	1024.29
270.0	1154.32	1138.87	1124.30	1108.41	1088.60	1072.81	1058.23	1039.73	1022.89
292.5	1150.22	1134.94	1117.66	1102.13	1087.12	1072.11	1055.27	1040.08	1024.29
315.0	1152.83	1137.39	1122.03	1106.41	1091.13	1075.34	1059.02	1044.45	1027.60
337.5	1153.27	1138.43	1122.12	1107.37	1092.44	1075.95	1059.80	1042.79	1027.86
360.0	1151.35	1135.90	1122.90	1108.33	1089.30	1072.37	1055.79	1041.83	1026.21
C/ γ (°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	1008.84	991.30	975.94	960.23	942.17	926.63	911.27	894.25	877.15
22.5	1012.33	996.36	980.21	963.72	947.05	930.03	912.58	895.56	877.41
45.0	1010.93	994.09	978.12	960.14	944.17	928.11	911.62	895.13	875.93
67.5	1007.70	990.34	975.50	957.70	941.73	924.27	904.90	890.24	873.66
90.0	1010.15	995.84	980.13	962.67	945.31	926.02	909.26	892.51	877.67
112.5	1007.70	990.34	975.50	957.70	941.73	924.27	904.90	890.24	873.66
135.0	1010.93	994.09	978.12	960.14	944.17	928.11	911.62	895.13	875.93
157.5	1012.33	996.36	980.21	963.72	947.05	930.03	912.58	895.56	877.41
180.0	1008.84	991.30	975.94	960.23	942.17	926.63	911.27	894.25	877.15
202.5	1012.33	996.36	980.21	963.72	947.05	930.03	912.58	895.56	877.41
225.0	1010.93	994.09	978.12	960.14	944.17	928.11	911.62	895.13	875.93
247.5	1007.70	990.34	975.50	957.70	941.73	924.27	904.90	890.24	873.66
270.0	1010.15	995.84	980.13	962.67	945.31	926.02	909.26	892.51	877.67
292.5	1007.70	990.34	975.50	957.70	941.73	924.27	904.90	890.24	873.66
315.0	1010.93	994.09	978.12	960.14	944.17	928.11	911.62	895.13	875.93
337.5	1012.33	996.36	980.21	963.72	947.05	930.03	912.58	895.56	877.41
360.0	1008.84	991.30	975.94	960.23	942.17	926.63	911.27	894.25	877.15
C/ γ (°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	858.67	841.99	825.14	807.20	788.95	769.21	752.35	733.13	716.12
22.5	860.03	843.57	826.07	808.02	789.43	773.05	755.31	737.09	719.23
45.0	859.03	841.26	823.64	806.70	788.78	772.16	753.75	735.53	717.11
67.5	855.29	837.07	819.72	801.43	785.98	767.92	747.71	729.66	712.38
90.0	855.96	839.09	822.45	805.38	790.90	767.83	751.52	734.31	717.09
112.5	855.29	837.07	819.72	801.43	785.98	767.92	747.71	729.66	712.38
135.0	859.03	841.26	823.64	806.70	788.78	772.16	753.75	735.53	717.11
157.5	860.03	843.57	826.07	808.02	789.43	773.05	755.31	737.09	719.23
180.0	858.67	841.99	825.14	807.20	788.95	769.21	752.35	733.13	716.12
202.5	860.03	843.57	826.07	808.02	789.43	773.05	755.31	737.09	719.23
225.0	859.03	841.26	823.64	806.70	788.78	772.16	753.75	735.53	717.11
247.5	855.29	837.07	819.72	801.43	785.98	767.92	747.71	729.66	712.38
270.0	855.96	839.09	822.45	805.38	790.90	767.83	751.52	734.31	717.09
292.5	855.29	837.07	819.72	801.43	785.98	767.92	747.71	729.66	712.38
315.0	859.03	841.26	823.64	806.70	788.78	772.16	753.75	735.53	717.11
337.5	860.03	843.57	826.07	808.02	789.43	773.05	755.31	737.09	719.23
360.0	858.67	841.99	825.14	807.20	788.95	769.21	752.35	733.13	716.12

Intensity data(cd)

C/ γ (°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	697.84	679.33	661.99	643.48	623.62	606.05	586.10	569.03	549.61
22.5	700.71	680.38	661.93	644.32	626.19	607.08	588.62	570.61	551.94
45.0	699.63	680.82	662.99	643.67	624.70	607.76	589.26	570.13	550.68
67.5	694.80	676.11	658.46	640.10	620.67	603.50	585.26	567.58	547.52
90.0	697.35	681.19	660.25	641.18	623.81	606.09	584.68	567.73	550.24
112.5	694.80	676.11	658.46	640.10	620.67	603.50	585.26	567.58	547.52
135.0	699.63	680.82	662.99	643.67	624.70	607.76	589.26	570.13	550.68
157.5	700.71	680.38	661.93	644.32	626.19	607.08	588.62	570.61	551.94
180.0	697.84	679.33	661.99	643.48	623.62	606.05	586.10	569.03	549.61
202.5	700.71	680.38	661.93	644.32	626.19	607.08	588.62	570.61	551.94
225.0	699.63	680.82	662.99	643.67	624.70	607.76	589.26	570.13	550.68
247.5	694.80	676.11	658.46	640.10	620.67	603.50	585.26	567.58	547.52
270.0	697.35	681.19	660.25	641.18	623.81	606.09	584.68	567.73	550.24
292.5	694.80	676.11	658.46	640.10	620.67	603.50	585.26	567.58	547.52
315.0	699.63	680.82	662.99	643.67	624.70	607.76	589.26	570.13	550.68
337.5	700.71	680.38	661.93	644.32	626.19	607.08	588.62	570.61	551.94
360.0	697.84	679.33	661.99	643.48	623.62	606.05	586.10	569.03	549.61
C/ γ (°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	530.22	511.42	492.33	474.01	456.31	438.37	419.68	399.84	381.75
22.5	533.15	513.32	494.86	476.80	457.15	438.43	420.06	401.28	383.04
45.0	531.67	513.28	494.47	475.49	456.58	437.98	420.16	401.53	383.59
67.5	528.84	510.41	492.43	473.73	455.32	435.83	418.98	400.69	382.38
90.0	531.49	512.88	494.43	472.90	455.07	438.32	419.99	400.69	382.26
112.5	528.84	510.41	492.43	473.73	455.32	435.83	418.98	400.69	382.38
135.0	531.67	513.28	494.47	475.49	456.58	437.98	420.16	401.53	383.59
157.5	533.15	513.32	494.86	476.80	457.15	438.43	420.06	401.28	383.04
180.0	530.22	511.42	492.33	474.01	456.31	438.37	419.68	399.84	381.75
202.5	533.15	513.32	494.86	476.80	457.15	438.43	420.06	401.28	383.04
225.0	531.67	513.28	494.47	475.49	456.58	437.98	420.16	401.53	383.59
247.5	528.84	510.41	492.43	473.73	455.32	435.83	418.98	400.69	382.38
270.0	531.49	512.88	494.43	472.90	455.07	438.32	419.99	400.69	382.26
292.5	528.84	510.41	492.43	473.73	455.32	435.83	418.98	400.69	382.38
315.0	531.67	513.28	494.47	475.49	456.58	437.98	420.16	401.53	383.59
337.5	533.15	513.32	494.86	476.80	457.15	438.43	420.06	401.28	383.04
360.0	530.22	511.42	492.33	474.01	456.31	438.37	419.68	399.84	381.75
C/ γ (°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	362.84	343.74	326.28	308.32	289.77	272.61	254.85	236.96	220.00
22.5	364.85	346.32	327.69	309.48	291.51	273.29	255.99	238.60	221.40
45.0	364.46	346.96	328.78	311.12	292.92	274.42	256.68	240.04	222.60
67.5	363.40	345.59	327.59	310.24	291.76	275.00	258.03	240.66	224.09
90.0	364.33	345.62	327.32	310.05	292.09	274.82	257.00	240.21	222.99
112.5	363.40	345.59	327.59	310.24	291.76	275.00	258.03	240.66	224.09
135.0	364.46	346.96	328.78	311.12	292.92	274.42	256.68	240.04	222.60
157.5	364.85	346.32	327.69	309.48	291.51	273.29	255.99	238.60	221.40
180.0	362.84	343.74	326.28	308.32	289.77	272.61	254.85	236.96	220.00
202.5	364.85	346.32	327.69	309.48	291.51	273.29	255.99	238.60	221.40
225.0	364.46	346.96	328.78	311.12	292.92	274.42	256.68	240.04	222.60
247.5	363.40	345.59	327.59	310.24	291.76	275.00	258.03	240.66	224.09
270.0	364.33	345.62	327.32	310.05	292.09	274.82	257.00	240.21	222.99
292.5	363.40	345.59	327.59	310.24	291.76	275.00	258.03	240.66	224.09
315.0	364.46	346.96	328.78	311.12	292.92	274.42	256.68	240.04	222.60
337.5	364.85	346.32	327.69	309.48	291.51	273.29	255.99	238.60	221.40
360.0	362.84	343.74	326.28	308.32	289.77	272.61	254.85	236.96	220.00

Intensity data(cd)

C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	204.07	187.32	171.73	155.07	138.11	120.84	104.10	85.51	66.21
22.5	204.61	187.95	172.47	157.08	141.78	126.23	111.29	97.24	84.30
45.0	206.07	189.43	173.35	157.68	142.59	127.27	113.28	98.98	84.63
67.5	207.82	191.53	176.03	160.16	144.94	129.77	115.62	102.38	89.12
90.0	206.93	190.39	174.35	158.94	143.93	128.29	114.95	101.15	88.27
112.5	207.82	191.53	176.03	160.16	144.94	129.77	115.62	102.38	89.12
135.0	206.07	189.43	173.35	157.68	142.59	127.27	113.28	98.98	84.63
157.5	204.61	187.95	172.47	157.08	141.78	126.23	111.29	97.24	84.30
180.0	204.07	187.32	171.73	155.07	138.11	120.84	104.10	85.51	66.21
202.5	204.61	187.95	172.47	157.08	141.78	126.23	111.29	97.24	84.30
225.0	206.07	189.43	173.35	157.68	142.59	127.27	113.28	98.98	84.63
247.5	207.82	191.53	176.03	160.16	144.94	129.77	115.62	102.38	89.12
270.0	206.93	190.39	174.35	158.94	143.93	128.29	114.95	101.15	88.27
292.5	207.82	191.53	176.03	160.16	144.94	129.77	115.62	102.38	89.12
315.0	206.07	189.43	173.35	157.68	142.59	127.27	113.28	98.98	84.63
337.5	204.61	187.95	172.47	157.08	141.78	126.23	111.29	97.24	84.30
360.0	204.07	187.32	171.73	155.07	138.11	120.84	104.10	85.51	66.21
C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	48.10	30.62	14.51	3.76	0.66	0.61	0.37	0.37	0.30
22.5	72.01	60.61	50.21	40.53	31.23	22.96	15.92	9.81	5.30
45.0	71.14	58.45	47.43	38.19	29.91	22.29	15.24	9.44	5.88
67.5	76.67	65.16	53.97	43.76	34.65	26.28	18.89	12.82	8.55
90.0	75.77	64.03	52.63	42.70	33.60	25.47	18.49	12.77	8.93
112.5	76.67	65.16	53.97	43.76	34.65	26.28	18.89	12.82	8.55
135.0	71.14	58.45	47.43	38.19	29.91	22.29	15.24	9.44	5.88
157.5	72.01	60.61	50.21	40.53	31.23	22.96	15.92	9.81	5.30
180.0	48.10	30.62	14.51	3.76	0.66	0.61	0.37	0.37	0.30
202.5	72.01	60.61	50.21	40.53	31.23	22.96	15.92	9.81	5.30
225.0	71.14	58.45	47.43	38.19	29.91	22.29	15.24	9.44	5.88
247.5	76.67	65.16	53.97	43.76	34.65	26.28	18.89	12.82	8.55
270.0	75.77	64.03	52.63	42.70	33.60	25.47	18.49	12.77	8.93
292.5	76.67	65.16	53.97	43.76	34.65	26.28	18.89	12.82	8.55
315.0	71.14	58.45	47.43	38.19	29.91	22.29	15.24	9.44	5.88
337.5	72.01	60.61	50.21	40.53	31.23	22.96	15.92	9.81	5.30
360.0	48.10	30.62	14.51	3.76	0.66	0.61	0.37	0.37	0.30
C/γ(°)	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0
0.0	0.33	0.27	0.27	0.30	0.24	0.24	0.17	0.24	0.27
22.5	2.48	0.72	0.52	0.42	0.39	0.37	0.39	0.35	0.37
45.0	3.61	1.66	0.50	0.47	0.44	0.42	0.40	0.40	0.44
67.5	5.49	2.86	0.75	0.40	0.35	0.37	0.37	0.29	0.39
90.0	6.21	3.79	1.49	0.43	0.37	0.37	0.40	0.37	0.37
112.5	5.49	2.86	0.75	0.40	0.35	0.37	0.37	0.29	0.39
135.0	3.61	1.66	0.50	0.47	0.44	0.42	0.40	0.40	0.44
157.5	2.48	0.72	0.52	0.42	0.39	0.37	0.39	0.35	0.37
180.0	0.33	0.27	0.27	0.30	0.24	0.24	0.17	0.24	0.27
202.5	2.48	0.72	0.52	0.42	0.39	0.37	0.39	0.35	0.37
225.0	3.61	1.66	0.50	0.47	0.44	0.42	0.40	0.40	0.44
247.5	5.49	2.86	0.75	0.40	0.35	0.37	0.37	0.29	0.39
270.0	6.21	3.79	1.49	0.43	0.37	0.37	0.40	0.37	0.37
292.5	5.49	2.86	0.75	0.40	0.35	0.37	0.37	0.29	0.39
315.0	3.61	1.66	0.50	0.47	0.44	0.42	0.40	0.40	0.44
337.5	2.48	0.72	0.52	0.42	0.39	0.37	0.39	0.35	0.37
360.0	0.33	0.27	0.27	0.30	0.24	0.24	0.17	0.24	0.27

Intensity data(cd)

C/γ(°)	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5
0.0	0.24	0.27	0.27	0.33	0.30	0.37	0.34	0.40	0.37
22.5	0.40	0.37	0.40	0.44	0.44	0.44	0.40	0.47	0.51
45.0	0.42	0.40	0.44	0.47	0.47	0.45	0.47	0.47	0.47
67.5	0.29	0.35	0.37	0.37	0.42	0.39	0.40	0.55	0.52
90.0	0.40	0.37	0.37	0.43	0.43	0.43	0.43	0.44	0.50
112.5	0.29	0.35	0.37	0.37	0.42	0.39	0.40	0.55	0.52
135.0	0.42	0.40	0.44	0.47	0.47	0.45	0.47	0.47	0.47
157.5	0.40	0.37	0.40	0.44	0.44	0.44	0.40	0.47	0.51
180.0	0.24	0.27	0.27	0.33	0.30	0.37	0.34	0.40	0.37
202.5	0.40	0.37	0.40	0.44	0.44	0.44	0.40	0.47	0.51
225.0	0.42	0.40	0.44	0.47	0.47	0.45	0.47	0.47	0.47
247.5	0.29	0.35	0.37	0.37	0.42	0.39	0.40	0.55	0.52
270.0	0.40	0.37	0.37	0.43	0.43	0.43	0.43	0.44	0.50
292.5	0.29	0.35	0.37	0.37	0.42	0.39	0.40	0.55	0.52
315.0	0.42	0.40	0.44	0.47	0.47	0.45	0.47	0.47	0.47
337.5	0.40	0.37	0.40	0.44	0.44	0.44	0.40	0.47	0.51
360.0	0.24	0.27	0.27	0.33	0.30	0.37	0.34	0.40	0.37
C/γ(°)	99.0	99.5	100.0	100.5	101.0	101.5	102.0	102.5	103.0
0.0	0.44	0.44	0.47	0.47	0.54	0.67	0.67	0.84	0.84
22.5	0.52	0.55	0.54	0.54	0.59	0.59	0.61	0.76	0.84
45.0	0.52	0.59	0.64	0.67	0.71	0.69	0.71	0.72	0.82
67.5	0.41	0.45	0.48	0.54	0.59	0.59	0.61	0.74	0.85
90.0	0.50	0.50	0.54	0.54	0.54	0.63	0.67	0.77	0.77
112.5	0.41	0.45	0.48	0.54	0.59	0.59	0.61	0.74	0.85
135.0	0.52	0.59	0.64	0.67	0.71	0.69	0.71	0.72	0.82
157.5	0.52	0.55	0.54	0.54	0.59	0.59	0.61	0.76	0.84
180.0	0.44	0.44	0.47	0.47	0.54	0.67	0.67	0.84	0.84
202.5	0.52	0.55	0.54	0.54	0.59	0.59	0.61	0.76	0.84
225.0	0.52	0.59	0.64	0.67	0.71	0.69	0.71	0.72	0.82
247.5	0.41	0.45	0.48	0.54	0.59	0.59	0.61	0.74	0.85
270.0	0.50	0.50	0.54	0.54	0.54	0.63	0.67	0.77	0.77
292.5	0.41	0.45	0.48	0.54	0.59	0.59	0.61	0.74	0.85
315.0	0.52	0.59	0.64	0.67	0.71	0.69	0.71	0.72	0.82
337.5	0.52	0.55	0.54	0.54	0.59	0.59	0.61	0.76	0.84
360.0	0.44	0.44	0.47	0.47	0.54	0.67	0.67	0.84	0.84
C/γ(°)	103.5	104.0	104.5	105.0	105.5	106.0	106.5	107.0	107.5
0.0	0.87	1.03	1.07	1.07	1.07	1.07	1.14	1.14	1.18
22.5	0.84	0.91	0.96	1.01	0.99	1.06	1.04	1.03	1.13
45.0	0.89	0.92	0.96	0.98	0.98	0.98	1.01	1.04	1.06
67.5	0.89	0.94	0.92	0.95	0.92	0.95	1.02	1.02	1.02
90.0	0.77	0.80	0.80	0.80	0.84	0.87	0.93	0.94	1.07
112.5	0.89	0.94	0.92	0.95	0.92	0.95	1.02	1.02	1.02
135.0	0.89	0.92	0.96	0.98	0.98	0.98	1.01	1.04	1.06
157.5	0.84	0.91	0.96	1.01	0.99	1.06	1.04	1.03	1.13
180.0	0.87	1.03	1.07	1.07	1.07	1.07	1.14	1.14	1.18
202.5	0.84	0.91	0.96	1.01	0.99	1.06	1.04	1.03	1.13
225.0	0.89	0.92	0.96	0.98	0.98	0.98	1.01	1.04	1.06
247.5	0.89	0.94	0.92	0.95	0.92	0.95	1.02	1.02	1.02
270.0	0.77	0.80	0.80	0.80	0.84	0.87	0.93	0.94	1.07
292.5	0.89	0.94	0.92	0.95	0.92	0.95	1.02	1.02	1.02
315.0	0.89	0.92	0.96	0.98	0.98	0.98	1.01	1.04	1.06
337.5	0.84	0.91	0.96	1.01	0.99	1.06	1.04	1.03	1.13
360.0	0.87	1.03	1.07	1.07	1.07	1.07	1.14	1.14	1.18

Intensity data(cd)

C/γ(°)	108.0	108.5	109.0	109.5	110.0	110.5	111.0	111.5	112.0
0.0	1.21	1.21	1.24	1.24	1.31	1.38	1.41	1.41	1.51
22.5	1.14	1.18	1.23	1.26	1.28	1.35	1.36	1.35	1.38
45.0	1.06	1.09	1.11	1.16	1.16	1.21	1.26	1.28	1.29
67.5	1.01	1.01	0.99	1.02	1.15	1.21	1.22	1.26	1.29
90.0	1.01	1.10	1.17	1.17	1.24	1.27	1.27	1.33	1.34
112.5	1.01	1.01	0.99	1.02	1.15	1.21	1.22	1.26	1.29
135.0	1.06	1.09	1.11	1.16	1.16	1.21	1.26	1.28	1.29
157.5	1.14	1.18	1.23	1.26	1.28	1.35	1.36	1.35	1.38
180.0	1.21	1.21	1.24	1.24	1.31	1.38	1.41	1.41	1.51
202.5	1.14	1.18	1.23	1.26	1.28	1.35	1.36	1.35	1.38
225.0	1.06	1.09	1.11	1.16	1.16	1.21	1.26	1.28	1.29
247.5	1.01	1.01	0.99	1.02	1.15	1.21	1.22	1.26	1.29
270.0	1.01	1.10	1.17	1.17	1.24	1.27	1.27	1.33	1.34
292.5	1.01	1.01	0.99	1.02	1.15	1.21	1.22	1.26	1.29
315.0	1.06	1.09	1.11	1.16	1.16	1.21	1.26	1.28	1.29
337.5	1.14	1.18	1.23	1.26	1.28	1.35	1.36	1.35	1.38
360.0	1.21	1.21	1.24	1.24	1.31	1.38	1.41	1.41	1.51
C/γ(°)	112.5	113.0	113.5	114.0	114.5	115.0	115.5	116.0	116.5
0.0	1.48	1.58	1.68	1.68	1.77	1.88	1.88	1.95	1.95
22.5	1.45	1.48	1.51	1.52	1.55	1.58	1.65	1.83	1.77
45.0	1.36	1.40	1.46	1.48	1.50	1.48	1.56	1.65	1.65
67.5	1.32	1.36	1.34	1.37	1.39	1.41	1.49	1.51	1.59
90.0	1.40	1.44	1.44	1.54	1.60	1.61	1.74	1.74	1.70
112.5	1.32	1.36	1.34	1.37	1.39	1.41	1.49	1.51	1.59
135.0	1.36	1.40	1.46	1.48	1.50	1.48	1.56	1.65	1.65
157.5	1.45	1.48	1.51	1.52	1.55	1.58	1.65	1.83	1.77
180.0	1.48	1.58	1.68	1.68	1.77	1.88	1.88	1.95	1.95
202.5	1.45	1.48	1.51	1.52	1.55	1.58	1.65	1.83	1.77
225.0	1.36	1.40	1.46	1.48	1.50	1.48	1.56	1.65	1.65
247.5	1.32	1.36	1.34	1.37	1.39	1.41	1.49	1.51	1.59
270.0	1.40	1.44	1.44	1.54	1.60	1.61	1.74	1.74	1.70
292.5	1.32	1.36	1.34	1.37	1.39	1.41	1.49	1.51	1.59
315.0	1.36	1.40	1.46	1.48	1.50	1.48	1.56	1.65	1.65
337.5	1.45	1.48	1.51	1.52	1.55	1.58	1.65	1.83	1.77
360.0	1.48	1.58	1.68	1.68	1.77	1.88	1.88	1.95	1.95
C/γ(°)	117.0	117.5	118.0	118.5	119.0	119.5	120.0	120.5	121.0
0.0	2.01	2.05	2.05	2.11	2.05	2.08	2.08	2.18	2.18
22.5	1.80	1.80	1.82	1.85	1.87	1.95	1.93	2.00	1.98
45.0	1.70	1.73	1.72	1.75	1.76	1.77	1.85	1.88	1.92
67.5	1.61	1.63	1.64	1.73	1.76	1.88	1.79	1.81	1.88
90.0	1.71	1.84	1.80	1.80	1.84	1.84	1.84	1.84	1.87
112.5	1.61	1.63	1.64	1.73	1.76	1.88	1.79	1.81	1.88
135.0	1.70	1.73	1.72	1.75	1.76	1.77	1.85	1.88	1.92
157.5	1.80	1.80	1.82	1.85	1.87	1.95	1.93	2.00	1.98
180.0	2.01	2.05	2.05	2.11	2.05	2.08	2.08	2.18	2.18
202.5	1.80	1.80	1.82	1.85	1.87	1.95	1.93	2.00	1.98
225.0	1.70	1.73	1.72	1.75	1.76	1.77	1.85	1.88	1.92
247.5	1.61	1.63	1.64	1.73	1.76	1.88	1.79	1.81	1.88
270.0	1.71	1.84	1.80	1.80	1.84	1.84	1.84	1.84	1.87
292.5	1.61	1.63	1.64	1.73	1.76	1.88	1.79	1.81	1.88
315.0	1.70	1.73	1.72	1.75	1.76	1.77	1.85	1.88	1.92
337.5	1.80	1.80	1.82	1.85	1.87	1.95	1.93	2.00	1.98
360.0	2.01	2.05	2.05	2.11	2.05	2.08	2.08	2.18	2.18

Intensity data(cd)

C/ γ (°)	121.5	122.0	122.5	123.0	123.5	124.0	124.5	125.0	125.5
0.0	2.18	2.18	2.21	2.21	2.21	2.21	2.25	2.25	2.31
22.5	2.00	2.03	2.05	2.15	2.22	2.22	2.22	2.22	2.27
45.0	1.93	1.95	1.95	1.92	2.00	2.00	2.00	2.00	2.07
67.5	1.89	1.91	1.93	1.93	1.96	1.99	2.03	2.01	2.01
90.0	1.91	1.91	1.91	1.91	1.91	1.94	1.97	2.01	2.01
112.5	1.89	1.91	1.93	1.93	1.96	1.99	2.03	2.01	2.01
135.0	1.93	1.95	1.95	1.92	2.00	2.00	2.00	2.00	2.07
157.5	2.00	2.03	2.05	2.15	2.22	2.22	2.22	2.22	2.27
180.0	2.18	2.18	2.21	2.21	2.21	2.21	2.25	2.25	2.31
202.5	2.00	2.03	2.05	2.15	2.22	2.22	2.22	2.22	2.27
225.0	1.93	1.95	1.95	1.92	2.00	2.00	2.00	2.00	2.07
247.5	1.89	1.91	1.93	1.93	1.96	1.99	2.03	2.01	2.01
270.0	1.91	1.91	1.91	1.91	1.91	1.94	1.97	2.01	2.01
292.5	1.89	1.91	1.93	1.93	1.96	1.99	2.03	2.01	2.01
315.0	1.93	1.95	1.95	1.92	2.00	2.00	2.00	2.00	2.07
337.5	2.00	2.03	2.05	2.15	2.22	2.22	2.22	2.22	2.27
360.0	2.18	2.18	2.21	2.21	2.21	2.21	2.25	2.25	2.31
C/ γ (°)	126.0	126.5	127.0	127.5	128.0	128.5	129.0	129.5	130.0
0.0	2.35	2.35	2.38	2.41	2.41	2.42	2.51	2.48	2.48
22.5	2.29	2.35	2.37	2.35	2.36	2.49	2.47	2.47	2.45
45.0	2.05	2.08	2.10	2.08	2.17	2.20	2.19	2.20	2.18
67.5	2.03	2.04	2.04	2.06	2.13	2.13	2.06	2.08	2.08
90.0	2.01	2.04	2.04	2.07	2.07	2.07	2.07	2.07	2.07
112.5	2.03	2.04	2.04	2.06	2.13	2.13	2.06	2.08	2.08
135.0	2.05	2.08	2.10	2.08	2.17	2.20	2.19	2.20	2.18
157.5	2.29	2.35	2.37	2.35	2.36	2.49	2.47	2.47	2.45
180.0	2.35	2.35	2.38	2.41	2.41	2.42	2.51	2.48	2.48
202.5	2.29	2.35	2.37	2.35	2.36	2.49	2.47	2.47	2.45
225.0	2.05	2.08	2.10	2.08	2.17	2.20	2.19	2.20	2.18
247.5	2.03	2.04	2.04	2.06	2.13	2.13	2.06	2.08	2.08
270.0	2.01	2.04	2.04	2.07	2.07	2.07	2.07	2.07	2.07
292.5	2.03	2.04	2.04	2.06	2.13	2.13	2.06	2.08	2.08
315.0	2.05	2.08	2.10	2.08	2.17	2.20	2.19	2.20	2.18
337.5	2.29	2.35	2.37	2.35	2.36	2.49	2.47	2.47	2.45
360.0	2.35	2.35	2.38	2.41	2.41	2.42	2.51	2.48	2.48
C/ γ (°)	130.5	131.0	131.5	132.0	132.5	133.0	133.5	134.0	134.5
0.0	2.51	2.52	2.55	2.61	2.62	2.71	2.78	2.78	2.85
22.5	2.44	2.49	2.47	2.49	2.55	2.47	2.49	2.49	2.57
45.0	2.22	2.22	2.22	2.22	2.22	2.24	2.24	2.27	2.33
67.5	2.06	2.06	2.06	2.08	2.08	2.08	2.08	2.08	2.09
90.0	2.10	2.11	2.14	2.14	2.14	2.17	2.17	2.21	2.24
112.5	2.06	2.06	2.06	2.08	2.08	2.08	2.08	2.08	2.09
135.0	2.22	2.22	2.22	2.22	2.22	2.24	2.24	2.27	2.33
157.5	2.44	2.49	2.47	2.49	2.55	2.47	2.49	2.49	2.57
180.0	2.51	2.52	2.55	2.61	2.62	2.71	2.78	2.78	2.85
202.5	2.44	2.49	2.47	2.49	2.55	2.47	2.49	2.49	2.57
225.0	2.22	2.22	2.22	2.22	2.22	2.24	2.24	2.27	2.33
247.5	2.06	2.06	2.06	2.08	2.08	2.08	2.08	2.08	2.09
270.0	2.10	2.11	2.14	2.14	2.14	2.17	2.17	2.21	2.24
292.5	2.06	2.06	2.06	2.08	2.08	2.08	2.08	2.08	2.09
315.0	2.22	2.22	2.22	2.22	2.22	2.24	2.24	2.27	2.33
337.5	2.44	2.49	2.47	2.49	2.55	2.47	2.49	2.49	2.57
360.0	2.51	2.52	2.55	2.61	2.62	2.71	2.78	2.78	2.85

Intensity data(cd)

C/γ(°)	135.0	135.5	136.0	136.5	137.0	137.5	138.0	138.5	139.0
0.0	2.92	2.89	2.88	2.89	2.95	2.95	2.98	3.02	3.05
22.5	2.54	2.62	2.71	2.72	2.79	2.81	2.86	2.88	2.91
45.0	2.34	2.32	2.35	2.42	2.54	2.55	2.54	2.57	2.64
67.5	2.13	2.11	2.13	2.18	2.18	2.19	2.21	2.19	2.25
90.0	2.24	2.31	2.30	2.27	2.27	2.27	2.37	2.37	2.44
112.5	2.13	2.11	2.13	2.18	2.18	2.19	2.21	2.19	2.25
135.0	2.34	2.32	2.35	2.42	2.54	2.55	2.54	2.57	2.64
157.5	2.54	2.62	2.71	2.72	2.79	2.81	2.86	2.88	2.91
180.0	2.92	2.89	2.88	2.89	2.95	2.95	2.98	3.02	3.05
202.5	2.54	2.62	2.71	2.72	2.79	2.81	2.86	2.88	2.91
225.0	2.34	2.32	2.35	2.42	2.54	2.55	2.54	2.57	2.64
247.5	2.13	2.11	2.13	2.18	2.18	2.19	2.21	2.19	2.25
270.0	2.24	2.31	2.30	2.27	2.27	2.27	2.37	2.37	2.44
292.5	2.13	2.11	2.13	2.18	2.18	2.19	2.21	2.19	2.25
315.0	2.34	2.32	2.35	2.42	2.54	2.55	2.54	2.57	2.64
337.5	2.54	2.62	2.71	2.72	2.79	2.81	2.86	2.88	2.91
360.0	2.92	2.89	2.88	2.89	2.95	2.95	2.98	3.02	3.05
C/γ(°)	139.5	140.0	140.5	141.0	141.5	142.0	142.5	143.0	143.5
0.0	3.02	3.09	3.08	3.08	3.09	3.22	3.19	3.25	3.22
22.5	2.93	2.93	2.89	2.94	2.94	2.98	3.04	3.03	3.14
45.0	2.67	2.69	2.74	2.76	2.77	2.79	2.79	2.86	2.86
67.5	2.28	2.26	2.31	2.35	2.35	2.38	2.41	2.48	2.48
90.0	2.47	2.51	2.54	2.63	2.61	2.70	2.74	2.81	2.77
112.5	2.28	2.26	2.31	2.35	2.35	2.38	2.41	2.48	2.48
135.0	2.67	2.69	2.74	2.76	2.77	2.79	2.79	2.86	2.86
157.5	2.93	2.93	2.89	2.94	2.94	2.98	3.04	3.03	3.14
180.0	3.02	3.09	3.08	3.08	3.09	3.22	3.19	3.25	3.22
202.5	2.93	2.93	2.89	2.94	2.94	2.98	3.04	3.03	3.14
225.0	2.67	2.69	2.74	2.76	2.77	2.79	2.79	2.86	2.86
247.5	2.28	2.26	2.31	2.35	2.35	2.38	2.41	2.48	2.48
270.0	2.47	2.51	2.54	2.63	2.61	2.70	2.74	2.81	2.77
292.5	2.28	2.26	2.31	2.35	2.35	2.38	2.41	2.48	2.48
315.0	2.67	2.69	2.74	2.76	2.77	2.79	2.79	2.86	2.86
337.5	2.93	2.93	2.89	2.94	2.94	2.98	3.04	3.03	3.14
360.0	3.02	3.09	3.08	3.08	3.09	3.22	3.19	3.25	3.22
C/γ(°)	144.0	144.5	145.0	145.5	146.0	146.5	147.0	147.5	148.0
0.0	3.35	3.29	3.39	3.45	3.52	3.49	3.52	3.55	3.59
22.5	3.11	3.20	3.23	3.26	3.26	3.31	3.30	3.38	3.38
45.0	2.87	2.91	2.92	2.94	2.96	2.99	2.99	3.06	3.09
67.5	2.56	2.56	2.55	2.60	2.61	2.65	2.68	2.70	2.71
90.0	2.74	2.78	2.84	2.87	2.87	2.91	2.91	2.91	2.97
112.5	2.56	2.56	2.55	2.60	2.61	2.65	2.68	2.70	2.71
135.0	2.87	2.91	2.92	2.94	2.96	2.99	2.99	3.06	3.09
157.5	3.11	3.20	3.23	3.26	3.26	3.31	3.30	3.38	3.38
180.0	3.35	3.29	3.39	3.45	3.52	3.49	3.52	3.55	3.59
202.5	3.11	3.20	3.23	3.26	3.26	3.31	3.30	3.38	3.38
225.0	2.87	2.91	2.92	2.94	2.96	2.99	2.99	3.06	3.09
247.5	2.56	2.56	2.55	2.60	2.61	2.65	2.68	2.70	2.71
270.0	2.74	2.78	2.84	2.87	2.87	2.91	2.91	2.91	2.97
292.5	2.56	2.56	2.55	2.60	2.61	2.65	2.68	2.70	2.71
315.0	2.87	2.91	2.92	2.94	2.96	2.99	2.99	3.06	3.09
337.5	3.11	3.20	3.23	3.26	3.26	3.31	3.30	3.38	3.38
360.0	3.35	3.29	3.39	3.45	3.52	3.49	3.52	3.55	3.59

Intensity data(cd)

C/γ(°)	148.5	149.0	149.5	150.0	150.5	151.0	151.5	152.0	152.5
0.0	3.65	3.72	3.79	3.72	3.79	3.82	3.83	3.89	3.86
22.5	3.45	3.43	3.48	3.55	3.60	3.66	3.80	3.83	3.77
45.0	3.12	3.11	3.13	3.19	3.21	3.23	3.26	3.31	3.49
67.5	2.71	2.76	2.82	2.88	2.88	2.95	2.98	3.02	3.00
90.0	2.97	2.98	3.01	3.11	3.04	3.11	3.17	3.18	3.24
112.5	2.71	2.76	2.82	2.88	2.88	2.95	2.98	3.02	3.00
135.0	3.12	3.11	3.13	3.19	3.21	3.23	3.26	3.31	3.49
157.5	3.45	3.43	3.48	3.55	3.60	3.66	3.80	3.83	3.77
180.0	3.65	3.72	3.79	3.72	3.79	3.82	3.83	3.89	3.86
202.5	3.45	3.43	3.48	3.55	3.60	3.66	3.80	3.83	3.77
225.0	3.12	3.11	3.13	3.19	3.21	3.23	3.26	3.31	3.49
247.5	2.71	2.76	2.82	2.88	2.88	2.95	2.98	3.02	3.00
270.0	2.97	2.98	3.01	3.11	3.04	3.11	3.17	3.18	3.24
292.5	2.71	2.76	2.82	2.88	2.88	2.95	2.98	3.02	3.00
315.0	3.12	3.11	3.13	3.19	3.21	3.23	3.26	3.31	3.49
337.5	3.45	3.43	3.48	3.55	3.60	3.66	3.80	3.83	3.77
360.0	3.65	3.72	3.79	3.72	3.79	3.82	3.83	3.89	3.86
C/γ(°)	153.0	153.5	154.0	154.5	155.0	155.5	156.0	156.5	157.0
0.0	3.92	3.95	3.96	4.06	4.16	4.26	4.39	4.53	4.56
22.5	3.88	3.88	3.94	3.98	4.04	4.10	4.17	4.29	4.47
45.0	3.45	3.53	3.55	3.60	3.71	3.73	3.76	3.86	3.98
67.5	3.03	3.11	3.17	3.17	3.28	3.37	3.38	3.50	3.57
90.0	3.24	3.27	3.31	3.37	3.47	3.61	3.68	3.71	3.74
112.5	3.03	3.11	3.17	3.17	3.28	3.37	3.38	3.50	3.57
135.0	3.45	3.53	3.55	3.60	3.71	3.73	3.76	3.86	3.98
157.5	3.88	3.88	3.94	3.98	4.04	4.10	4.17	4.29	4.47
180.0	3.92	3.95	3.96	4.06	4.16	4.26	4.39	4.53	4.56
202.5	3.88	3.88	3.94	3.98	4.04	4.10	4.17	4.29	4.47
225.0	3.45	3.53	3.55	3.60	3.71	3.73	3.76	3.86	3.98
247.5	3.03	3.11	3.17	3.17	3.28	3.37	3.38	3.50	3.57
270.0	3.24	3.27	3.31	3.37	3.47	3.61	3.68	3.71	3.74
292.5	3.03	3.11	3.17	3.17	3.28	3.37	3.38	3.50	3.57
315.0	3.45	3.53	3.55	3.60	3.71	3.73	3.76	3.86	3.98
337.5	3.88	3.88	3.94	3.98	4.04	4.10	4.17	4.29	4.47
360.0	3.92	3.95	3.96	4.06	4.16	4.26	4.39	4.53	4.56
C/γ(°)	157.5	158.0	158.5	159.0	159.5	160.0	160.5	161.0	161.5
0.0	4.66	4.66	4.73	4.70	4.80	4.93	4.96	5.00	5.06
22.5	4.52	4.56	4.59	4.63	4.71	4.73	4.79	4.86	4.89
45.0	4.08	4.13	4.27	4.35	4.39	4.47	4.45	4.55	4.60
67.5	3.69	3.74	3.80	3.87	3.85	3.97	4.12	4.15	4.22
90.0	3.74	3.87	3.91	3.94	3.94	4.04	4.04	4.11	4.28
112.5	3.69	3.74	3.80	3.87	3.85	3.97	4.12	4.15	4.22
135.0	4.08	4.13	4.27	4.35	4.39	4.47	4.45	4.55	4.60
157.5	4.52	4.56	4.59	4.63	4.71	4.73	4.79	4.86	4.89
180.0	4.66	4.66	4.73	4.70	4.80	4.93	4.96	5.00	5.06
202.5	4.52	4.56	4.59	4.63	4.71	4.73	4.79	4.86	4.89
225.0	4.08	4.13	4.27	4.35	4.39	4.47	4.45	4.55	4.60
247.5	3.69	3.74	3.80	3.87	3.85	3.97	4.12	4.15	4.22
270.0	3.74	3.87	3.91	3.94	3.94	4.04	4.04	4.11	4.28
292.5	3.69	3.74	3.80	3.87	3.85	3.97	4.12	4.15	4.22
315.0	4.08	4.13	4.27	4.35	4.39	4.47	4.45	4.55	4.60
337.5	4.52	4.56	4.59	4.63	4.71	4.73	4.79	4.86	4.89
360.0	4.66	4.66	4.73	4.70	4.80	4.93	4.96	5.00	5.06

Intensity data(cd)

C/γ(°)	162.0	162.5	163.0	163.5	164.0	164.5	165.0	165.5	166.0
0.0	5.06	5.23	5.23	5.20	5.26	5.30	5.30	5.30	5.33
22.5	4.91	4.99	4.98	5.11	5.13	5.21	5.28	5.26	5.30
45.0	4.59	4.70	4.72	4.76	4.77	4.82	4.87	4.96	4.99
67.5	4.29	4.37	4.44	4.49	4.54	4.59	4.64	4.72	4.74
90.0	4.31	4.37	4.38	4.41	4.45	4.48	4.51	4.55	4.61
112.5	4.29	4.37	4.44	4.49	4.54	4.59	4.64	4.72	4.74
135.0	4.59	4.70	4.72	4.76	4.77	4.82	4.87	4.96	4.99
157.5	4.91	4.99	4.98	5.11	5.13	5.21	5.28	5.26	5.30
180.0	5.06	5.23	5.23	5.20	5.26	5.30	5.30	5.30	5.33
202.5	4.91	4.99	4.98	5.11	5.13	5.21	5.28	5.26	5.30
225.0	4.59	4.70	4.72	4.76	4.77	4.82	4.87	4.96	4.99
247.5	4.29	4.37	4.44	4.49	4.54	4.59	4.64	4.72	4.74
270.0	4.31	4.37	4.38	4.41	4.45	4.48	4.51	4.55	4.61
292.5	4.29	4.37	4.44	4.49	4.54	4.59	4.64	4.72	4.74
315.0	4.59	4.70	4.72	4.76	4.77	4.82	4.87	4.96	4.99
337.5	4.91	4.99	4.98	5.11	5.13	5.21	5.28	5.26	5.30
360.0	5.06	5.23	5.23	5.20	5.26	5.30	5.30	5.30	5.33
C/γ(°)	166.5	167.0	167.5	168.0	168.5	169.0	169.5	170.0	170.5
0.0	5.33	5.40	5.43	5.40	5.43	5.43	5.43	5.50	5.47
22.5	5.31	5.31	5.33	5.33	5.35	5.35	5.35	5.40	5.40
45.0	5.01	5.06	5.06	5.07	5.09	5.16	5.12	5.13	5.22
67.5	4.77	4.81	4.84	4.86	4.93	4.94	4.98	4.99	5.03
90.0	4.68	4.68	4.71	4.78	4.85	4.88	4.88	4.88	4.88
112.5	4.77	4.81	4.84	4.86	4.93	4.94	4.98	4.99	5.03
135.0	5.01	5.06	5.06	5.07	5.09	5.16	5.12	5.13	5.22
157.5	5.31	5.31	5.33	5.33	5.35	5.35	5.35	5.40	5.40
180.0	5.33	5.40	5.43	5.40	5.43	5.43	5.43	5.50	5.47
202.5	5.31	5.31	5.33	5.33	5.35	5.35	5.35	5.40	5.40
225.0	5.01	5.06	5.06	5.07	5.09	5.16	5.12	5.13	5.22
247.5	4.77	4.81	4.84	4.86	4.93	4.94	4.98	4.99	5.03
270.0	4.68	4.68	4.71	4.78	4.85	4.88	4.88	4.88	4.88
292.5	4.77	4.81	4.84	4.86	4.93	4.94	4.98	4.99	5.03
315.0	5.01	5.06	5.06	5.07	5.09	5.16	5.12	5.13	5.22
337.5	5.31	5.31	5.33	5.33	5.35	5.35	5.35	5.40	5.40
360.0	5.33	5.40	5.43	5.40	5.43	5.43	5.43	5.50	5.47
C/γ(°)	171.0	171.5	172.0	172.5	173.0	173.5	174.0	174.5	175.0
0.0	5.43	5.47	5.54	5.60	5.60	5.57	5.57	5.50	5.53
22.5	5.53	5.43	5.50	5.52	5.57	5.55	5.52	5.52	5.51
45.0	5.24	5.34	5.31	5.43	5.39	5.41	5.41	5.41	5.38
67.5	5.09	5.13	5.11	5.21	5.21	5.21	5.21	5.26	5.23
90.0	4.91	4.98	5.01	5.01	5.05	5.11	5.08	5.11	5.11
112.5	5.09	5.13	5.11	5.21	5.21	5.21	5.21	5.26	5.23
135.0	5.24	5.34	5.31	5.43	5.39	5.41	5.41	5.41	5.38
157.5	5.53	5.43	5.50	5.52	5.57	5.55	5.52	5.52	5.51
180.0	5.43	5.47	5.54	5.60	5.60	5.57	5.57	5.50	5.53
202.5	5.53	5.43	5.50	5.52	5.57	5.55	5.52	5.52	5.51
225.0	5.24	5.34	5.31	5.43	5.39	5.41	5.41	5.41	5.38
247.5	5.09	5.13	5.11	5.21	5.21	5.21	5.21	5.26	5.23
270.0	4.91	4.98	5.01	5.01	5.05	5.11	5.08	5.11	5.11
292.5	5.09	5.13	5.11	5.21	5.21	5.21	5.21	5.26	5.23
315.0	5.24	5.34	5.31	5.43	5.39	5.41	5.41	5.41	5.38
337.5	5.53	5.43	5.50	5.52	5.57	5.55	5.52	5.52	5.51
360.0	5.43	5.47	5.54	5.60	5.60	5.57	5.57	5.50	5.53

Intensity data(cd)

Appendix Page: 31 Total:31

C/γ(°)	175.5	176.0	176.5	177.0	177.5	178.0	178.5	179.0	179.5
0.0	5.43	5.40	5.40	5.40	5.40	5.36	5.30	5.17	5.03
22.5	5.48	5.48	5.43	5.42	5.40	5.36	5.26	5.15	5.06
45.0	5.39	5.33	5.38	5.33	5.33	5.29	5.21	5.08	4.99
67.5	5.19	5.18	5.19	5.14	5.16	5.11	5.04	4.98	4.93
90.0	5.11	5.08	5.11	5.08	5.08	5.08	5.08	5.11	5.11
112.5	5.19	5.18	5.19	5.14	5.16	5.11	5.04	4.98	4.93
135.0	5.39	5.33	5.38	5.33	5.33	5.29	5.21	5.08	4.99
157.5	5.48	5.48	5.43	5.42	5.40	5.36	5.26	5.15	5.06
180.0	5.43	5.40	5.40	5.40	5.40	5.36	5.30	5.17	5.03
202.5	5.48	5.48	5.43	5.42	5.40	5.36	5.26	5.15	5.06
225.0	5.39	5.33	5.38	5.33	5.33	5.29	5.21	5.08	4.99
247.5	5.19	5.18	5.19	5.14	5.16	5.11	5.04	4.98	4.93
270.0	5.11	5.08	5.11	5.08	5.08	5.08	5.08	5.11	5.11
292.5	5.19	5.18	5.19	5.14	5.16	5.11	5.04	4.98	4.93
315.0	5.39	5.33	5.38	5.33	5.33	5.29	5.21	5.08	4.99
337.5	5.48	5.48	5.43	5.42	5.40	5.36	5.26	5.15	5.06
360.0	5.43	5.40	5.40	5.40	5.40	5.36	5.30	5.17	5.03

C/γ(°)	180.0
0.0	4.96
22.5	4.96
45.0	4.96
67.5	4.96
90.0	4.96
112.5	4.96
135.0	4.96
157.5	4.96
180.0	4.96
202.5	4.96
225.0	4.96
247.5	4.96
270.0	4.96
292.5	4.96
315.0	4.96
337.5	4.96
360.0	4.96