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Report No	:		Voltage	:	V
Test No	:	A2407441B001	Current	:	A
LumCAT	:	LIT by CARDI	Power	:	30.000 W
Luminaire	:	0017440200 30W 4000K 3600lm PF		:	
LampCAT	:		Ballast type	:	
Lamp flux	:	3600.0 lm	Width	:	75 mm
Number of Lamps	:	1	Length	:	125 mm
Phm Type	:	C	Height	:	0 mm

### Photometric Results

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Lumens(lm)	:	3600.00	Central intensity(cd)	:	1219.646
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	1224.234
Luminous Efficacy(lm/W)	:	120.00	Angle of maximum intensity	:	C=135.0 $\gamma=0.5$
IES Classification	:	TypeII	Max Cd(At 90°Vert)	:	2.51
Longitudinal Classification	:	VeryShort	Max Cd(80 to 90°Vert)	:	143.493
Cut Off Classification	:	FullCutoff			
Beam Angle(50%Imax)	:	[C0/180]Total=116.9 [C90/270]Total=116.6			
Field angle(10%Imax)	:	[C0/180]Total=157.2 [C90/270]Total=160.6			
Street Side UpWard Lumens	:	0.04%of Lamp 0.04%of Luminaire			
Street Side DownWard Lumens	:	50.30%of Lamp 50.30%of Luminaire			
House Side UpWard Lumens	:	0.04%of Lamp 0.04%of Luminaire			
House Side DownWard Lumens	:	49.61%of Lamp 49.61%of Luminaire			

SLI: 5.304 (C Flash Area: 0.002), Throw: 103.1 (long), Spread: 25.6 (narrow), Control: 5.304 (tight)

Zonal flux distribution table

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1219.646	0.000	0	0.00%	0.00%
0.5	1219.466	0.292	0.292	0.01%	0.01%
1.0	1219.449	0.875	1.167	0.02%	0.03%
1.5	1219.190	1.458	2.625	0.04%	0.07%
2.0	1218.881	2.041	4.667	0.06%	0.13%
2.5	1218.454	2.623	7.29	0.07%	0.20%
3.0	1217.953	3.205	10.495	0.09%	0.29%
3.5	1217.487	3.785	14.28	0.11%	0.40%
4.0	1216.728	4.365	18.645	0.12%	0.52%
4.5	1215.957	4.943	23.587	0.14%	0.66%
5.0	1215.159	5.519	29.106	0.15%	0.81%
5.5	1214.248	6.094	35.201	0.17%	0.98%
6.0	1213.236	6.668	41.868	0.19%	1.16%
6.5	1212.123	7.239	49.107	0.20%	1.36%
7.0	1210.846	7.808	56.915	0.22%	1.58%
7.5	1209.497	8.374	65.289	0.23%	1.81%
8.0	1208.097	8.938	74.227	0.25%	2.06%
8.5	1206.623	9.499	83.726	0.26%	2.33%
9.0	1205.116	10.058	93.784	0.28%	2.61%
9.5	1203.419	10.614	104.398	0.29%	2.90%
10.0	1201.754	11.167	115.565	0.31%	3.21%
10.5	1199.837	11.716	127.281	0.33%	3.54%
11.0	1197.846	12.261	139.542	0.34%	3.88%
11.5	1195.997	12.803	152.345	0.36%	4.23%
12.0	1193.736	13.342	165.687	0.37%	4.60%
12.5	1191.549	13.875	179.562	0.39%	4.99%
13.0	1189.182	14.405	193.967	0.40%	5.39%
13.5	1186.859	14.930	208.897	0.41%	5.80%
14.0	1184.425	15.452	224.349	0.43%	6.23%
14.5	1181.788	15.968	240.317	0.44%	6.68%
15.0	1179.207	16.480	256.797	0.46%	7.13%
15.5	1176.401	16.987	273.783	0.47%	7.61%
16.0	1173.612	17.488	291.271	0.49%	8.09%
16.5	1170.700	17.985	309.256	0.50%	8.59%
17.0	1167.540	18.475	327.731	0.51%	9.10%
17.5	1164.436	18.959	346.689	0.53%	9.63%
18.0	1161.225	19.438	366.127	0.54%	10.17%
18.5	1157.919	19.911	386.038	0.55%	10.72%

Zonal flux distribution table

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
19.0	1154.546	20.378	406.417	0.57%	11.29%
19.5	1151.031	20.839	427.256	0.58%	11.87%
20.0	1147.534	21.294	448.55	0.59%	12.46%
20.5	1143.744	21.742	470.292	0.60%	13.06%
21.0	1139.937	22.182	492.474	0.62%	13.68%
21.5	1136.075	22.615	515.089	0.63%	14.31%
22.0	1132.195	23.043	538.132	0.64%	14.95%
22.5	1128.141	23.464	561.596	0.65%	15.60%
23.0	1124.076	23.878	585.474	0.66%	16.26%
23.5	1119.903	24.285	609.759	0.67%	16.94%
24.0	1115.580	24.683	634.442	0.69%	17.62%
24.5	1111.160	25.073	659.515	0.70%	18.32%
25.0	1106.589	25.455	684.97	0.71%	19.03%
25.5	1101.899	25.827	710.797	0.72%	19.74%
26.0	1097.278	26.193	736.99	0.73%	20.47%
26.5	1092.481	26.552	763.543	0.74%	21.21%
27.0	1087.696	26.903	790.445	0.75%	21.96%
27.5	1082.861	27.247	817.692	0.76%	22.71%
28.0	1077.800	27.581	845.273	0.77%	23.48%
28.5	1072.599	27.904	873.177	0.78%	24.25%
29.0	1067.454	28.220	901.397	0.78%	25.04%
29.5	1062.141	28.528	929.924	0.79%	25.83%
30.0	1056.861	28.827	958.751	0.80%	26.63%
30.5	1051.323	29.117	987.868	0.81%	27.44%
31.0	1045.790	29.396	1017.264	0.82%	28.26%
31.5	1040.161	29.667	1046.931	0.82%	29.08%
32.0	1034.421	29.929	1076.86	0.83%	29.91%
32.5	1028.550	30.180	1107.04	0.84%	30.75%
33.0	1022.675	30.422	1137.462	0.85%	31.60%
33.5	1016.664	30.655	1168.116	0.85%	32.45%
34.0	1010.676	30.879	1198.995	0.86%	33.31%
34.5	1004.446	31.092	1230.088	0.86%	34.17%
35.0	998.216	31.295	1261.383	0.87%	35.04%
35.5	991.929	31.489	1292.872	0.87%	35.91%
36.0	985.503	31.673	1324.546	0.88%	36.79%
36.5	979.008	31.847	1356.392	0.88%	37.68%
37.0	972.446	32.010	1388.403	0.89%	38.57%
37.5	965.772	32.164	1420.566	0.89%	39.46%

Zonal flux distribution table

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	958.901	32.304	1452.871	0.90%	40.36%
38.5	952.030	32.434	1485.304	0.90%	41.26%
39.0	945.120	32.555	1517.86	0.90%	42.16%
39.5	938.108	32.666	1550.526	0.91%	43.07%
40.0	930.877	32.764	1583.29	0.91%	43.98%
40.5	923.641	32.851	1616.141	0.91%	44.89%
41.0	916.383	32.929	1649.069	0.91%	45.81%
41.5	909.052	32.997	1682.066	0.92%	46.72%
42.0	901.490	33.052	1715.119	0.92%	47.64%
42.5	893.985	33.096	1748.215	0.92%	48.56%
43.0	886.343	33.131	1781.346	0.92%	49.48%
43.5	878.577	33.153	1814.5	0.92%	50.40%
44.0	870.767	33.164	1847.664	0.92%	51.32%
44.5	862.876	33.165	1880.829	0.92%	52.25%
45.0	854.864	33.154	1913.983	0.92%	53.17%
45.5	846.800	33.132	1947.114	0.92%	54.09%
46.0	838.664	33.099	1980.213	0.92%	55.01%
46.5	830.420	33.054	2013.268	0.92%	55.92%
47.0	822.170	33.000	2046.268	0.92%	56.84%
47.5	813.706	32.933	2079.201	0.91%	57.76%
48.0	805.100	32.851	2112.052	0.91%	58.67%
48.5	796.572	32.760	2144.812	0.91%	59.58%
49.0	788.037	32.662	2177.474	0.91%	60.49%
49.5	779.244	32.551	2210.025	0.90%	61.39%
50.0	770.424	32.426	2242.451	0.90%	62.29%
50.5	761.493	32.290	2274.741	0.90%	63.19%
51.0	752.504	32.143	2306.883	0.89%	64.08%
51.5	743.432	31.984	2338.868	0.89%	64.97%
52.0	734.263	31.815	2370.682	0.88%	65.85%
52.5	725.064	31.634	2402.316	0.88%	66.73%
53.0	715.736	31.442	2433.758	0.87%	67.60%
53.5	706.284	31.237	2464.996	0.87%	68.47%
54.0	696.764	31.020	2496.016	0.86%	69.33%
54.5	687.212	30.793	2526.809	0.86%	70.19%
55.0	677.622	30.557	2557.366	0.85%	71.04%
55.5	667.898	30.309	2587.675	0.84%	71.88%
56.0	658.031	30.047	2617.722	0.83%	72.71%
56.5	648.172	29.775	2647.497	0.83%	73.54%

Zonal flux distribution table

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
57.0	638.173	29.492	2676.989	0.82%	74.36%
57.5	628.214	29.200	2706.189	0.81%	75.17%
58.0	618.106	28.897	2735.086	0.80%	75.97%
58.5	607.857	28.581	2763.667	0.79%	76.77%
59.0	597.693	28.255	2791.922	0.78%	77.55%
59.5	587.218	27.918	2819.84	0.78%	78.33%
60.0	576.856	27.568	2847.408	0.77%	79.09%
60.5	566.308	27.210	2874.618	0.76%	79.85%
61.0	555.705	26.838	2901.456	0.75%	80.60%
61.5	545.061	26.458	2927.914	0.73%	81.33%
62.0	534.267	26.066	2953.98	0.72%	82.06%
62.5	523.578	25.666	2979.646	0.71%	82.77%
63.0	512.738	25.258	3004.904	0.70%	83.47%
63.5	501.893	24.840	3029.743	0.69%	84.16%
64.0	491.009	24.414	3054.157	0.68%	84.84%
64.5	480.124	23.980	3078.137	0.67%	85.50%
65.0	469.065	23.536	3101.673	0.65%	86.16%
65.5	457.861	23.078	3124.751	0.64%	86.80%
66.0	446.653	22.610	3147.361	0.63%	87.43%
66.5	435.261	22.130	3169.491	0.61%	88.04%
67.0	423.747	21.638	3191.129	0.60%	88.64%
67.5	412.183	21.134	3212.263	0.59%	89.23%
68.0	400.618	20.624	3232.888	0.57%	89.80%
68.5	389.075	20.109	3252.996	0.56%	90.36%
69.0	377.428	19.585	3272.581	0.54%	90.91%
69.5	365.863	19.056	3291.637	0.53%	91.43%
70.0	354.008	18.516	3310.153	0.51%	91.95%
70.5	342.054	17.960	3328.113	0.50%	92.45%
71.0	329.950	17.393	3345.507	0.48%	92.93%
71.5	317.862	16.818	3362.324	0.47%	93.40%
72.0	305.909	16.241	3378.565	0.45%	93.85%
72.5	294.176	15.668	3394.233	0.44%	94.28%
73.0	282.402	15.096	3409.33	0.42%	94.70%
73.5	270.578	14.517	3423.847	0.40%	95.11%
74.0	258.562	13.927	3437.774	0.39%	95.49%
74.5	246.206	13.319	3451.093	0.37%	95.86%
75.0	233.828	12.697	3463.789	0.35%	96.22%
75.5	221.548	12.073	3475.862	0.34%	96.55%

Zonal flux distribution table

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	209.108	11.443	3487.306	0.32%	96.87%
76.5	196.420	10.799	3498.105	0.30%	97.17%
77.0	183.593	10.141	3508.246	0.28%	97.45%
77.5	171.331	9.490	3517.736	0.26%	97.71%
78.0	158.896	8.847	3526.583	0.25%	97.96%
78.5	146.457	8.196	3534.779	0.23%	98.19%
79.0	134.351	7.551	3542.33	0.21%	98.40%
79.5	122.884	6.928	3549.258	0.19%	98.59%
80.0	111.692	6.328	3555.587	0.18%	98.77%
80.5	100.941	5.745	3561.332	0.16%	98.93%
81.0	90.401	5.178	3566.509	0.14%	99.07%
81.5	80.610	4.634	3571.143	0.13%	99.20%
82.0	71.460	4.126	3575.269	0.11%	99.31%
82.5	62.763	3.646	3578.915	0.10%	99.41%
83.0	54.774	3.197	3582.112	0.09%	99.50%
83.5	47.155	2.775	3584.887	0.08%	99.58%
84.0	40.485	2.388	3587.275	0.07%	99.65%
84.5	34.156	2.036	3589.311	0.06%	99.70%
85.0	28.288	1.705	3591.016	0.05%	99.75%
85.5	23.211	1.407	3592.423	0.04%	99.79%
86.0	18.713	1.146	3593.569	0.03%	99.82%
86.5	14.945	0.921	3594.49	0.03%	99.85%
87.0	12.070	0.739	3595.23	0.02%	99.87%
87.5	9.249	0.584	3595.813	0.02%	99.88%
88.0	6.436	0.430	3596.243	0.01%	99.90%
88.5	3.790	0.280	3596.523	0.01%	99.90%
89.0	1.954	0.157	3596.681	0.00%	99.91%
89.5	1.384	0.092	3596.772	0.00%	99.91%
90.0	1.172	0.070	3596.842	0.00%	99.91%
90.5	1.014	0.060	3596.902	0.00%	99.91%
91.0	0.861	0.051	3596.954	0.00%	99.92%
91.5	0.751	0.044	3596.998	0.00%	99.92%
92.0	0.675	0.039	3597.037	0.00%	99.92%
92.5	0.629	0.036	3597.073	0.00%	99.92%
93.0	0.584	0.033	3597.106	0.00%	99.92%
93.5	0.533	0.031	3597.136	0.00%	99.92%
94.0	0.480	0.028	3597.164	0.00%	99.92%
94.5	0.433	0.025	3597.189	0.00%	99.92%

Zonal flux distribution table

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
95.0	0.388	0.022	3597.212	0.00%	99.92%
95.5	0.350	0.020	3597.232	0.00%	99.92%
96.0	0.319	0.018	3597.25	0.00%	99.92%
96.5	0.297	0.017	3597.267	0.00%	99.92%
97.0	0.283	0.016	3597.283	0.00%	99.92%
97.5	0.277	0.015	3597.298	0.00%	99.93%
98.0	0.273	0.015	3597.313	0.00%	99.93%
98.5	0.271	0.015	3597.327	0.00%	99.93%
99.0	0.268	0.015	3597.342	0.00%	99.93%
99.5	0.267	0.014	3597.357	0.00%	99.93%
100.0	0.266	0.014	3597.371	0.00%	99.93%
100.5	0.265	0.014	3597.385	0.00%	99.93%
101.0	0.265	0.014	3597.4	0.00%	99.93%
101.5	0.265	0.014	3597.414	0.00%	99.93%
102.0	0.266	0.014	3597.428	0.00%	99.93%
102.5	0.267	0.014	3597.442	0.00%	99.93%
103.0	0.268	0.014	3597.457	0.00%	99.93%
103.5	0.269	0.014	3597.471	0.00%	99.93%
104.0	0.270	0.014	3597.485	0.00%	99.93%
104.5	0.271	0.014	3597.5	0.00%	99.93%
105.0	0.272	0.014	3597.514	0.00%	99.93%
105.5	0.274	0.014	3597.529	0.00%	99.93%
106.0	0.275	0.014	3597.543	0.00%	99.93%
106.5	0.276	0.014	3597.558	0.00%	99.93%
107.0	0.277	0.015	3597.572	0.00%	99.93%
107.5	0.278	0.015	3597.587	0.00%	99.93%
108.0	0.280	0.015	3597.601	0.00%	99.93%
108.5	0.282	0.015	3597.616	0.00%	99.93%
109.0	0.285	0.015	3597.63	0.00%	99.93%
109.5	0.288	0.015	3597.645	0.00%	99.93%
110.0	0.291	0.015	3597.66	0.00%	99.94%
110.5	0.295	0.015	3597.675	0.00%	99.94%
111.0	0.299	0.015	3597.691	0.00%	99.94%
111.5	0.304	0.015	3597.706	0.00%	99.94%
112.0	0.308	0.016	3597.722	0.00%	99.94%
112.5	0.313	0.016	3597.737	0.00%	99.94%
113.0	0.318	0.016	3597.753	0.00%	99.94%
113.5	0.323	0.016	3597.769	0.00%	99.94%

Zonal flux distribution table

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	0.328	0.016	3597.786	0.00%	99.94%
114.5	0.333	0.017	3597.802	0.00%	99.94%
115.0	0.339	0.017	3597.819	0.00%	99.94%
115.5	0.345	0.017	3597.836	0.00%	99.94%
116.0	0.351	0.017	3597.853	0.00%	99.94%
116.5	0.357	0.017	3597.87	0.00%	99.94%
117.0	0.363	0.018	3597.888	0.00%	99.94%
117.5	0.369	0.018	3597.906	0.00%	99.94%
118.0	0.375	0.018	3597.924	0.00%	99.94%
118.5	0.381	0.018	3597.942	0.00%	99.94%
119.0	0.388	0.018	3597.961	0.00%	99.94%
119.5	0.394	0.019	3597.979	0.00%	99.94%
120.0	0.401	0.019	3597.998	0.00%	99.94%
120.5	0.407	0.019	3598.017	0.00%	99.94%
121.0	0.414	0.019	3598.037	0.00%	99.95%
121.5	0.421	0.020	3598.056	0.00%	99.95%
122.0	0.428	0.020	3598.076	0.00%	99.95%
122.5	0.435	0.020	3598.096	0.00%	99.95%
123.0	0.442	0.020	3598.116	0.00%	99.95%
123.5	0.449	0.020	3598.137	0.00%	99.95%
124.0	0.455	0.021	3598.157	0.00%	99.95%
124.5	0.462	0.021	3598.178	0.00%	99.95%
125.0	0.469	0.021	3598.199	0.00%	99.95%
125.5	0.476	0.021	3598.22	0.00%	99.95%
126.0	0.482	0.021	3598.242	0.00%	99.95%
126.5	0.489	0.021	3598.263	0.00%	99.95%
127.0	0.496	0.022	3598.285	0.00%	99.95%
127.5	0.503	0.022	3598.307	0.00%	99.95%
128.0	0.510	0.022	3598.328	0.00%	99.95%
128.5	0.516	0.022	3598.351	0.00%	99.95%
129.0	0.523	0.022	3598.373	0.00%	99.95%
129.5	0.529	0.022	3598.395	0.00%	99.96%
130.0	0.536	0.022	3598.418	0.00%	99.96%
130.5	0.542	0.023	3598.44	0.00%	99.96%
131.0	0.548	0.023	3598.463	0.00%	99.96%
131.5	0.555	0.023	3598.485	0.00%	99.96%
132.0	0.561	0.023	3598.508	0.00%	99.96%
132.5	0.567	0.023	3598.531	0.00%	99.96%

Zonal flux distribution table

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
133.0	0.573	0.023	3598.554	0.00%	99.96%
133.5	0.579	0.023	3598.577	0.00%	99.96%
134.0	0.585	0.023	3598.6	0.00%	99.96%
134.5	0.590	0.023	3598.623	0.00%	99.96%
135.0	0.596	0.023	3598.646	0.00%	99.96%
135.5	0.601	0.023	3598.669	0.00%	99.96%
136.0	0.607	0.023	3598.693	0.00%	99.96%
136.5	0.612	0.023	3598.716	0.00%	99.96%
137.0	0.617	0.023	3598.739	0.00%	99.97%
137.5	0.622	0.023	3598.762	0.00%	99.97%
138.0	0.627	0.023	3598.785	0.00%	99.97%
138.5	0.632	0.023	3598.808	0.00%	99.97%
139.0	0.637	0.023	3598.831	0.00%	99.97%
139.5	0.642	0.023	3598.854	0.00%	99.97%
140.0	0.647	0.023	3598.876	0.00%	99.97%
140.5	0.652	0.023	3598.899	0.00%	99.97%
141.0	0.657	0.023	3598.922	0.00%	99.97%
141.5	0.663	0.023	3598.945	0.00%	99.97%
142.0	0.668	0.023	3598.967	0.00%	99.97%
142.5	0.673	0.023	3598.99	0.00%	99.97%
143.0	0.678	0.022	3599.012	0.00%	99.97%
143.5	0.683	0.022	3599.034	0.00%	99.97%
144.0	0.687	0.022	3599.057	0.00%	99.97%
144.5	0.691	0.022	3599.079	0.00%	99.97%
145.0	0.696	0.022	3599.101	0.00%	99.98%
145.5	0.700	0.022	3599.122	0.00%	99.98%
146.0	0.704	0.022	3599.144	0.00%	99.98%
146.5	0.708	0.022	3599.166	0.00%	99.98%
147.0	0.713	0.021	3599.187	0.00%	99.98%
147.5	0.717	0.021	3599.208	0.00%	99.98%
148.0	0.721	0.021	3599.229	0.00%	99.98%
148.5	0.725	0.021	3599.25	0.00%	99.98%
149.0	0.728	0.021	3599.271	0.00%	99.98%
149.5	0.732	0.020	3599.291	0.00%	99.98%
150.0	0.736	0.020	3599.311	0.00%	99.98%
150.5	0.740	0.020	3599.332	0.00%	99.98%
151.0	0.744	0.020	3599.351	0.00%	99.98%
151.5	0.748	0.020	3599.371	0.00%	99.98%

Zonal flux distribution table

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	0.753	0.019	3599.391	0.00%	99.98%
152.5	0.757	0.019	3599.41	0.00%	99.98%
153.0	0.761	0.019	3599.429	0.00%	99.98%
153.5	0.766	0.019	3599.448	0.00%	99.98%
154.0	0.770	0.019	3599.466	0.00%	99.99%
154.5	0.774	0.018	3599.485	0.00%	99.99%
155.0	0.779	0.018	3599.503	0.00%	99.99%
155.5	0.783	0.018	3599.521	0.00%	99.99%
156.0	0.786	0.018	3599.538	0.00%	99.99%
156.5	0.790	0.017	3599.556	0.00%	99.99%
157.0	0.794	0.017	3599.573	0.00%	99.99%
157.5	0.797	0.017	3599.59	0.00%	99.99%
158.0	0.801	0.017	3599.606	0.00%	99.99%
158.5	0.805	0.016	3599.623	0.00%	99.99%
159.0	0.809	0.016	3599.639	0.00%	99.99%
159.5	0.814	0.016	3599.655	0.00%	99.99%
160.0	0.819	0.015	3599.67	0.00%	99.99%
160.5	0.823	0.015	3599.685	0.00%	99.99%
161.0	0.828	0.015	3599.7	0.00%	99.99%
161.5	0.833	0.015	3599.715	0.00%	99.99%
162.0	0.837	0.014	3599.729	0.00%	99.99%
162.5	0.842	0.014	3599.743	0.00%	99.99%
163.0	0.845	0.014	3599.757	0.00%	99.99%
163.5	0.849	0.013	3599.77	0.00%	99.99%
164.0	0.852	0.013	3599.783	0.00%	99.99%
164.5	0.856	0.013	3599.796	0.00%	99.99%
165.0	0.859	0.012	3599.808	0.00%	99.99%
165.5	0.863	0.012	3599.82	0.00%	100.00%
166.0	0.866	0.012	3599.832	0.00%	100.00%
166.5	0.869	0.011	3599.843	0.00%	100.00%
167.0	0.871	0.011	3599.854	0.00%	100.00%
167.5	0.874	0.011	3599.865	0.00%	100.00%
168.0	0.876	0.010	3599.875	0.00%	100.00%
168.5	0.878	0.010	3599.885	0.00%	100.00%
169.0	0.880	0.009	3599.894	0.00%	100.00%
169.5	0.882	0.009	3599.903	0.00%	100.00%
170.0	0.884	0.009	3599.912	0.00%	100.00%
170.5	0.886	0.008	3599.92	0.00%	100.00%

Zonal flux distribution table

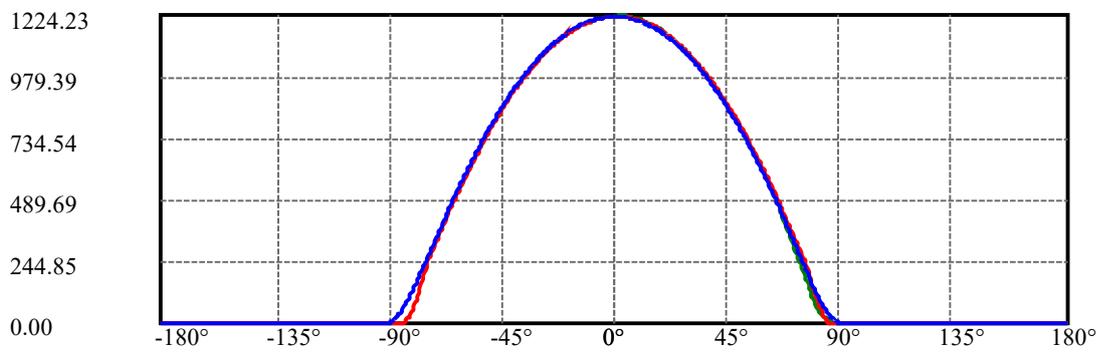
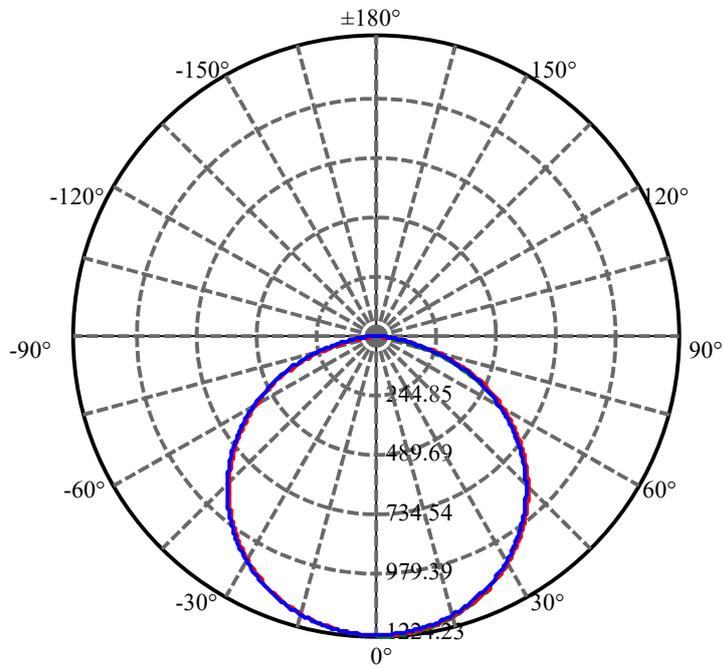
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
171.0	0.888	0.008	3599.928	0.00%	100.00%
171.5	0.890	0.007	3599.935	0.00%	100.00%
172.0	0.892	0.007	3599.942	0.00%	100.00%
172.5	0.893	0.007	3599.949	0.00%	100.00%
173.0	0.895	0.006	3599.955	0.00%	100.00%
173.5	0.897	0.006	3599.961	0.00%	100.00%
174.0	0.898	0.005	3599.966	0.00%	100.00%
174.5	0.900	0.005	3599.971	0.00%	100.00%
175.0	0.902	0.005	3599.976	0.00%	100.00%
175.5	0.904	0.004	3599.98	0.00%	100.00%
176.0	0.906	0.004	3599.984	0.00%	100.00%
176.5	0.909	0.003	3599.987	0.00%	100.00%
177.0	0.912	0.003	3599.99	0.00%	100.00%
177.5	0.915	0.002	3599.992	0.00%	100.00%
178.0	0.919	0.002	3599.994	0.00%	100.00%
178.5	0.923	0.002	3599.996	0.00%	100.00%
179.0	0.927	0.001	3599.997	0.00%	100.00%
179.5	0.929	0.001	3599.997	0.00%	100.00%
180.0	0.915	0.000	3599.998	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	958.75	26.63%	26.63%
0-40	1583.29	43.98%	43.98%
0-60	2847.41	79.09%	79.09%
0-90	3596.84	99.91%	99.91%
0-120	3598.00	99.94%	99.94%
0-180	3600.00	100.00%	100.00%
60-90	749.43	20.82%	20.82%
90-120	1.16	0.03%	0.03%
90-130	1.58	0.04%	0.04%
90-150	2.47	0.07%	0.07%
90-180	3.16	0.09%	0.09%
0-60.60	2880.00	80.00%	80.00%

ZONAL LUMEN SUMMARY

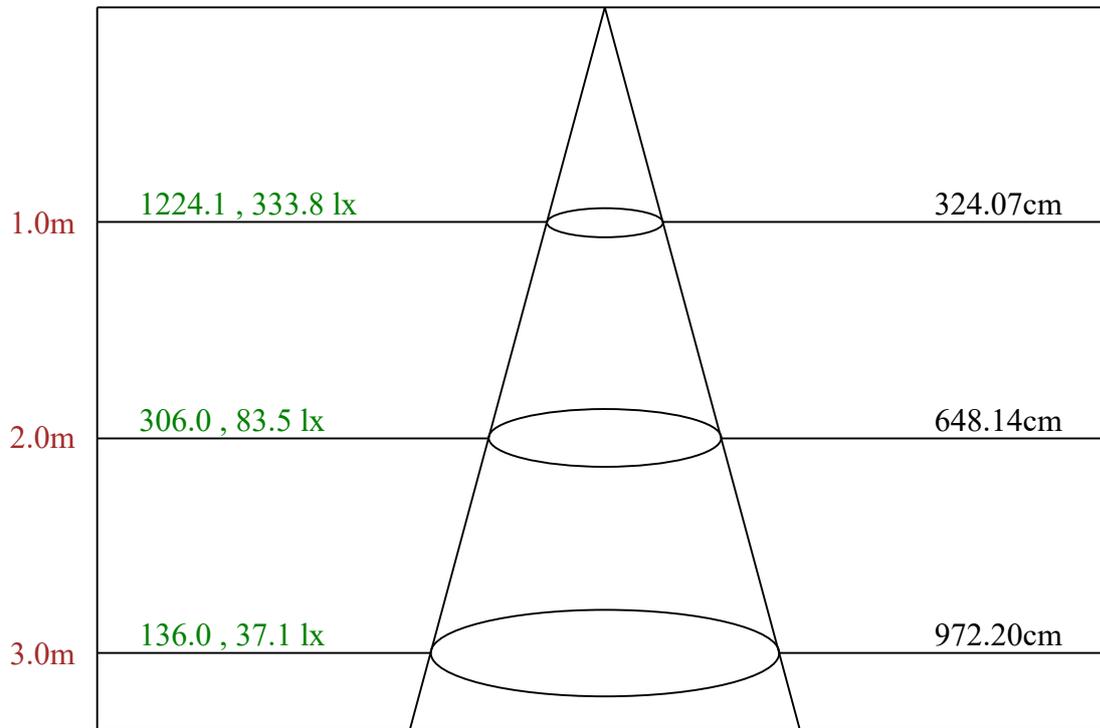
0-10	115.56
10-20	332.99
20-30	510.20
30-40	624.54
40-50	659.16
50-60	604.96
60-70	462.74
70-80	245.43
80-90	41.26
90-100	0.53
100-110	0.29
110-120	0.34
120-130	0.42
130-140	0.46
140-150	0.44
150-160	0.36
160-170	0.24
170-180	0.09



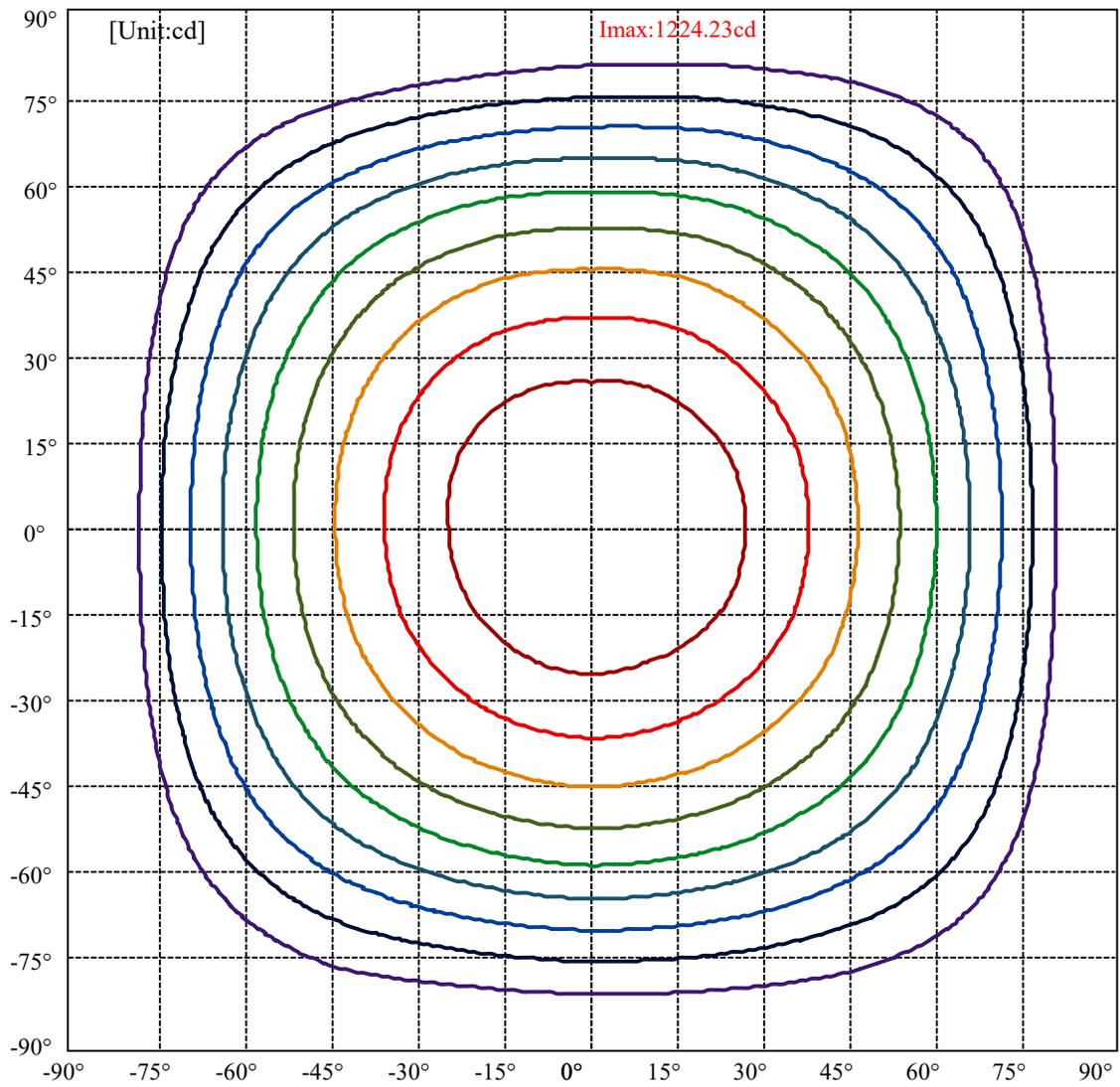
C135(Max): ———  
 C0/C180: ———  
 C90/C270: ———

Field angle(10%Imax):C0/180Left:77.6 Right:79.6  
 :C90/270Left:80.4 Right:80.2

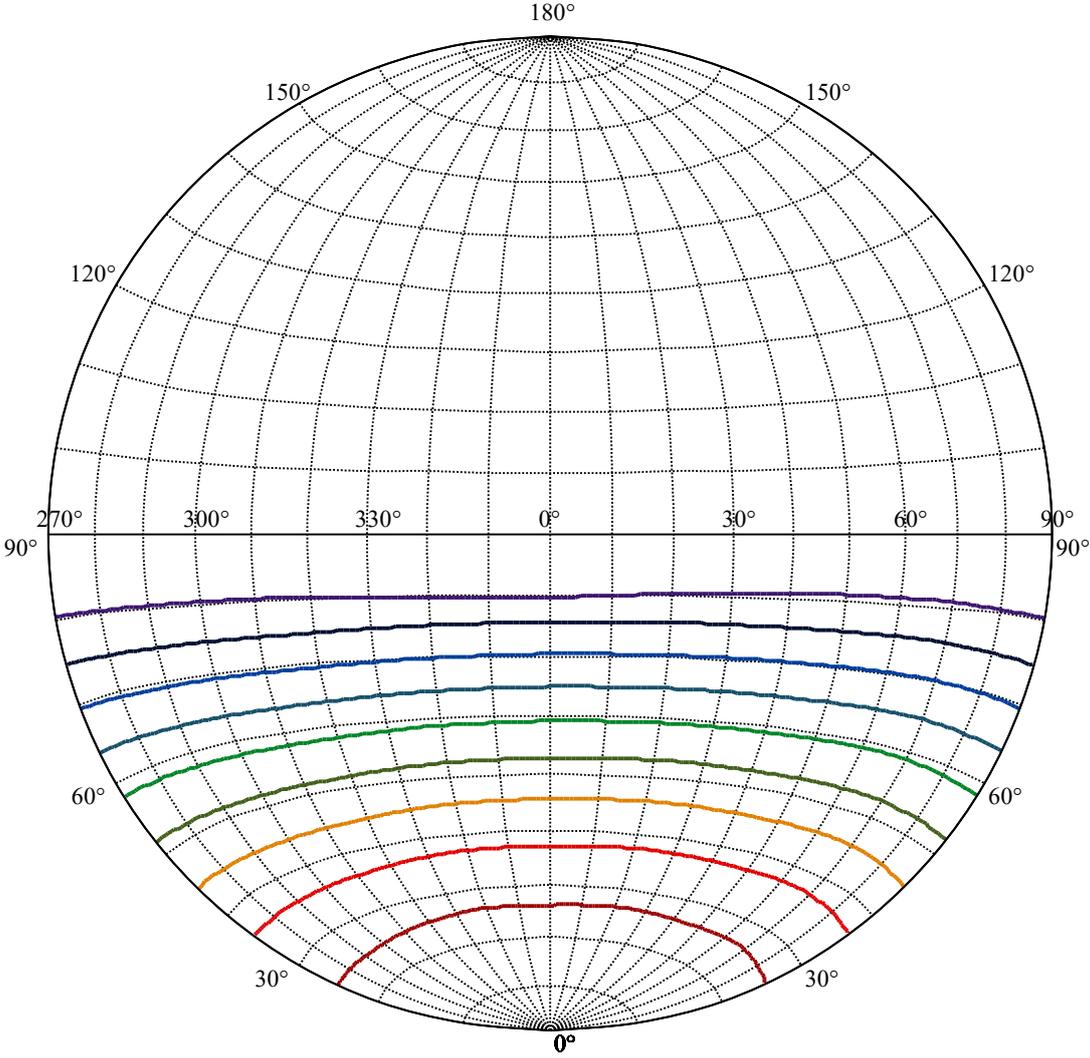
Beam Angle(50%Imax):C0/180Left:57.6 Right:59.3  
 :C90/270Left:58.2 Right:58.4



Max , Ave      Beam angle of C135 plane 116.64



(10%Imax) 122.394	—
(20%Imax) 244.787	—
(30%Imax) 367.181	—
(40%Imax) 489.574	—
(50%Imax) 611.968	—
(60%Imax) 734.361	—
(70%Imax) 856.755	—
(80%Imax) 979.149	—
(90%Imax) 1101.54	—



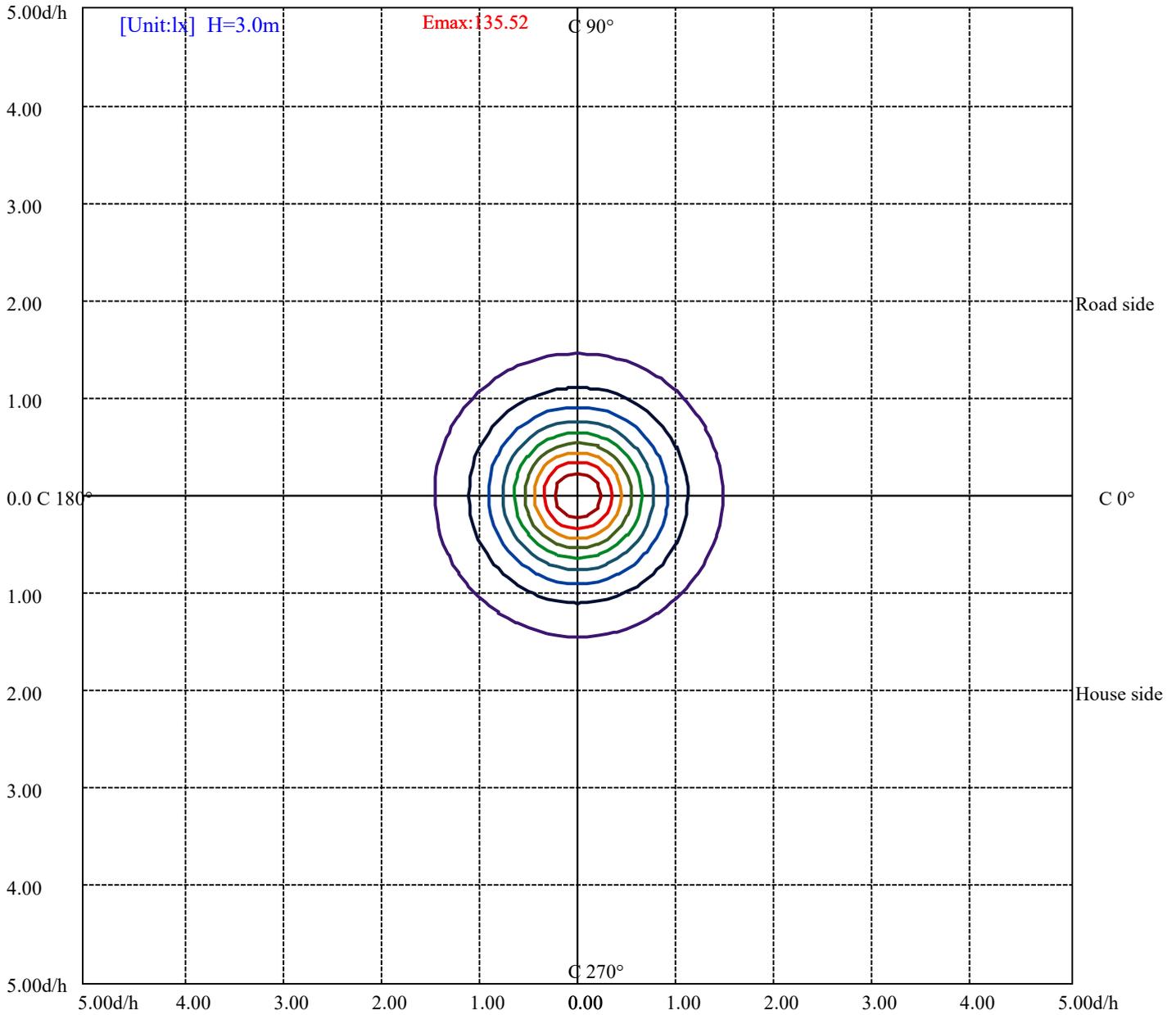
House

[Unit:cd]

Road

I<sub>max</sub>:1224.23

(10%I <sub>max</sub> )	122.423	
(20%I <sub>max</sub> )	244.847	
(30%I <sub>max</sub> )	367.27	
(40%I <sub>max</sub> )	489.694	
(50%I <sub>max</sub> )	612.117	
(60%I <sub>max</sub> )	734.54	
(70%I <sub>max</sub> )	856.964	
(80%I <sub>max</sub> )	979.387	
(90%I <sub>max</sub> )	1101.81	



(10%Emax) 13.55167	—
(20%Emax) 27.10322	—
(30%Emax) 40.65489	—
(40%Emax) 54.20644	—
(50%Emax) 67.75811	—
(60%Emax) 81.30966	—
(70%Emax) 94.86134	—
(80%Emax) 108.4129	—
(90%Emax) 121.9644	—

## Intensity data(cd)

Appendix Page: 18 Total:31

C/γ(°)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
0.0	1219.65	1217.67	1217.67	1217.22	1217.31	1217.40	1216.77	1216.41	1216.23
22.5	1219.65	1218.21	1218.75	1218.21	1218.39	1218.66	1218.12	1217.76	1217.31
45.0	1219.65	1216.86	1216.50	1216.77	1216.68	1216.14	1215.69	1215.24	1214.97
67.5	1219.65	1221.09	1221.54	1221.09	1220.82	1221.09	1220.37	1219.74	1219.29
90.0	1219.65	1216.32	1216.41	1216.23	1216.23	1214.97	1215.15	1214.70	1213.62
112.5	1219.65	1218.66	1218.39	1218.48	1218.39	1217.67	1217.76	1216.77	1216.59
135.0	1219.65	1224.23	1224.23	1223.87	1223.78	1223.24	1222.53	1222.53	1221.54
157.5	1219.65	1223.78	1223.96	1223.96	1223.42	1222.62	1222.44	1221.54	1221.00
180.0	1219.65	1217.04	1216.77	1216.32	1215.87	1215.51	1214.43	1213.98	1212.90
202.5	1219.65	1217.76	1217.31	1216.86	1216.23	1215.69	1214.97	1214.88	1213.44
225.0	1219.65	1216.14	1216.14	1215.69	1215.15	1214.34	1213.53	1213.17	1212.36
247.5	1219.65	1220.91	1220.46	1220.19	1219.83	1219.56	1218.75	1218.03	1217.13
270.0	1219.65	1216.68	1216.59	1216.32	1215.78	1215.06	1214.97	1214.25	1213.35
292.5	1219.65	1218.12	1218.21	1218.12	1217.40	1216.86	1216.05	1215.96	1215.06
315.0	1219.65	1223.87	1224.05	1223.69	1222.97	1222.80	1222.26	1221.81	1220.82
337.5	1219.65	1224.14	1224.23	1224.05	1223.87	1223.69	1223.51	1223.06	1222.08
360.0	1219.65	1217.67	1217.67	1217.22	1217.31	1217.40	1216.77	1216.41	1216.23
C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	1215.69	1214.79	1214.25	1213.44	1212.54	1211.10	1210.20	1209.30	1207.77
22.5	1216.50	1216.14	1215.51	1214.61	1213.89	1212.36	1211.46	1210.38	1209.03
45.0	1214.34	1213.53	1213.08	1212.63	1211.10	1210.20	1209.12	1207.77	1207.05
67.5	1218.75	1218.03	1217.13	1216.23	1215.42	1214.16	1212.99	1211.55	1210.11
90.0	1213.44	1212.27	1211.19	1210.56	1209.57	1208.49	1206.87	1205.79	1203.90
112.5	1215.87	1215.24	1214.25	1213.26	1212.72	1211.73	1210.29	1209.21	1207.68
135.0	1221.00	1220.19	1219.65	1218.39	1217.76	1216.50	1215.15	1213.89	1212.36
157.5	1220.55	1219.11	1218.39	1217.13	1215.96	1214.70	1213.71	1212.45	1210.38
180.0	1212.09	1211.19	1209.75	1208.85	1207.23	1206.24	1204.80	1202.73	1201.38
202.5	1212.18	1211.28	1210.38	1209.03	1207.77	1206.51	1204.53	1203.18	1201.65
225.0	1210.92	1210.38	1209.48	1207.68	1206.60	1204.89	1203.54	1202.19	1200.30
247.5	1216.23	1215.15	1214.34	1212.72	1211.46	1210.29	1208.49	1206.69	1205.07
270.0	1212.36	1211.64	1210.47	1209.93	1208.49	1207.14	1205.79	1204.08	1202.91
292.5	1214.43	1213.62	1212.27	1211.19	1209.57	1208.04	1206.87	1205.16	1203.72
315.0	1219.83	1219.11	1218.12	1217.13	1216.05	1214.70	1213.17	1211.19	1209.75
337.5	1221.18	1220.91	1219.74	1219.02	1217.85	1216.50	1214.97	1213.98	1212.90
360.0	1215.69	1214.79	1214.25	1213.44	1212.54	1211.10	1210.20	1209.30	1207.77
C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	1206.60	1204.89	1203.81	1201.92	1200.12	1198.41	1196.26	1194.28	1192.30
22.5	1207.77	1206.51	1205.70	1203.18	1201.29	1200.39	1197.87	1196.08	1194.10
45.0	1205.43	1204.08	1202.10	1200.66	1198.95	1197.34	1194.91	1192.66	1190.68
67.5	1208.85	1207.14	1205.52	1203.90	1201.92	1199.94	1197.78	1195.45	1193.29
90.0	1202.64	1201.38	1199.49	1197.52	1195.54	1194.10	1191.85	1189.60	1187.44
112.5	1206.42	1205.25	1203.54	1202.01	1200.12	1198.68	1196.44	1194.46	1192.03
135.0	1211.10	1209.12	1207.77	1205.97	1203.63	1201.65	1200.03	1197.69	1195.27
157.5	1208.94	1207.32	1205.25	1203.45	1201.29	1199.49	1197.25	1195.00	1192.39
180.0	1199.76	1197.52	1195.81	1193.83	1191.85	1189.96	1187.26	1185.19	1182.49
202.5	1200.48	1197.96	1195.99	1194.01	1192.12	1189.42	1187.26	1184.92	1182.13
225.0	1198.32	1196.53	1194.64	1192.39	1190.32	1188.25	1186.27	1183.57	1180.87
247.5	1203.18	1201.74	1199.67	1197.52	1195.54	1193.56	1191.13	1188.79	1186.09
270.0	1201.29	1199.40	1197.87	1195.72	1194.01	1191.76	1189.42	1187.53	1185.01
292.5	1201.74	1199.76	1198.23	1196.35	1194.28	1192.12	1189.87	1187.44	1185.19
315.0	1208.22	1206.51	1204.98	1202.91	1200.66	1198.68	1195.90	1194.01	1191.67
337.5	1211.10	1209.57	1207.68	1206.06	1203.90	1202.19	1200.30	1198.14	1195.99
360.0	1206.60	1204.89	1203.81	1201.92	1200.12	1198.41	1196.26	1194.28	1192.30

## Intensity data(cd)

C/ $\gamma$ (°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	1189.96	1187.71	1185.01	1182.85	1180.33	1177.72	1175.11	1171.97	1169.18
22.5	1191.40	1189.51	1187.08	1184.74	1181.86	1179.52	1176.64	1174.39	1171.25
45.0	1188.70	1186.36	1184.20	1182.22	1179.16	1176.46	1173.76	1170.44	1167.11
67.5	1191.31	1189.06	1186.54	1183.84	1181.14	1178.26	1175.56	1172.68	1169.72
90.0	1185.46	1182.40	1180.33	1177.54	1174.84	1172.15	1169.27	1166.21	1162.97
112.5	1189.96	1187.89	1185.19	1183.12	1180.24	1177.45	1174.93	1171.79	1168.91
135.0	1193.47	1190.68	1188.25	1185.37	1183.21	1180.15	1177.18	1174.12	1171.25
157.5	1190.32	1187.53	1185.10	1182.13	1179.07	1176.64	1173.85	1170.26	1167.02
180.0	1179.88	1177.54	1174.57	1171.88	1168.91	1166.21	1162.70	1159.19	1156.13
202.5	1179.70	1177.36	1174.21	1171.61	1168.55	1165.67	1162.43	1158.83	1155.77
225.0	1178.44	1175.92	1173.04	1170.44	1167.65	1164.41	1161.17	1158.02	1154.60
247.5	1183.48	1180.87	1178.08	1175.20	1172.42	1169.54	1166.66	1163.06	1159.91
270.0	1182.67	1179.70	1177.27	1174.75	1171.70	1169.18	1166.03	1163.06	1159.73
292.5	1182.31	1179.79	1177.18	1174.39	1171.43	1168.19	1165.31	1162.43	1159.19
315.0	1189.15	1186.99	1183.75	1181.23	1178.44	1175.56	1172.77	1169.54	1166.66
337.5	1193.56	1191.49	1188.79	1186.00	1183.48	1180.69	1177.81	1174.66	1171.61
360.0	1189.96	1187.71	1185.01	1182.85	1180.33	1177.72	1175.11	1171.97	1169.18
C/ $\gamma$ (°)	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0
0.0	1166.30	1163.24	1159.82	1156.31	1153.07	1149.11	1145.79	1142.28	1137.87
22.5	1168.28	1164.95	1162.16	1158.83	1155.14	1151.90	1148.39	1144.44	1140.84
45.0	1164.50	1161.17	1157.93	1155.32	1151.72	1147.76	1144.35	1140.84	1137.06
67.5	1166.66	1164.05	1160.45	1156.76	1153.97	1149.92	1146.24	1142.28	1138.77
90.0	1159.64	1156.67	1153.07	1149.65	1146.15	1143.09	1138.77	1134.90	1130.94
112.5	1165.76	1162.88	1159.37	1156.04	1152.62	1148.66	1145.34	1141.29	1137.33
135.0	1168.01	1164.86	1161.35	1158.02	1154.33	1151.00	1146.87	1143.09	1139.40
157.5	1163.69	1160.36	1157.12	1153.43	1150.19	1146.33	1142.64	1138.23	1134.54
180.0	1152.89	1149.29	1145.79	1142.10	1138.68	1134.90	1130.76	1126.80	1122.75
202.5	1152.26	1148.48	1145.43	1141.29	1137.51	1134.18	1130.04	1126.08	1122.12
225.0	1151.36	1147.76	1144.44	1140.48	1137.06	1132.83	1128.78	1124.91	1120.78
247.5	1156.67	1152.89	1149.47	1145.52	1141.56	1137.87	1133.91	1129.86	1126.08
270.0	1156.49	1153.16	1149.65	1146.42	1142.82	1138.68	1134.99	1131.12	1127.34
292.5	1155.77	1152.35	1148.75	1145.52	1141.74	1137.69	1133.82	1129.95	1126.17
315.0	1162.97	1159.46	1156.13	1152.26	1148.84	1144.71	1140.57	1137.15	1133.28
337.5	1168.37	1165.13	1161.80	1158.56	1155.14	1151.27	1147.76	1143.99	1139.85
360.0	1166.30	1163.24	1159.82	1156.31	1153.07	1149.11	1145.79	1142.28	1137.87
C/ $\gamma$ (°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	1134.54	1130.67	1126.80	1122.48	1117.81	1113.49	1108.72	1104.31	1099.81
22.5	1137.24	1133.37	1129.32	1125.36	1121.14	1116.55	1112.23	1108.09	1103.32
45.0	1133.19	1129.32	1125.36	1120.96	1117.00	1112.41	1107.82	1103.59	1098.82
67.5	1134.81	1130.85	1127.16	1122.93	1118.62	1114.30	1109.89	1105.12	1100.62
90.0	1127.07	1123.02	1118.89	1115.20	1110.61	1105.93	1101.79	1096.49	1092.17
112.5	1133.55	1129.68	1125.54	1121.05	1116.91	1112.68	1107.82	1103.41	1098.28
135.0	1135.08	1130.94	1127.16	1122.66	1118.44	1113.67	1109.26	1104.40	1099.72
157.5	1130.58	1126.53	1122.21	1117.81	1113.04	1108.63	1103.86	1099.27	1094.15
180.0	1118.89	1114.57	1109.80	1105.57	1100.98	1096.31	1091.72	1086.95	1082.63
202.5	1117.54	1113.49	1109.08	1104.40	1100.35	1095.68	1090.19	1085.69	1080.65
225.0	1116.46	1112.59	1108.09	1103.50	1099.09	1094.15	1089.56	1084.25	1079.39
247.5	1121.68	1117.36	1112.68	1108.45	1104.04	1099.36	1094.33	1089.56	1084.61
270.0	1123.47	1118.80	1115.02	1110.88	1106.38	1101.79	1097.38	1092.71	1087.85
292.5	1121.68	1117.81	1113.40	1108.99	1104.22	1099.54	1094.60	1090.10	1085.06
315.0	1128.51	1124.46	1120.24	1115.56	1110.88	1106.29	1101.16	1096.93	1091.99
337.5	1135.98	1131.75	1127.70	1123.47	1119.07	1114.66	1110.07	1105.57	1100.62
360.0	1134.54	1130.67	1126.80	1122.48	1117.81	1113.49	1108.72	1104.31	1099.81

## Intensity data(cd)

Appendix Page: 20 Total:31

C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	1094.96	1090.46	1085.69	1080.56	1075.16	1069.86	1065.00	1059.69	1054.38
22.5	1098.82	1093.97	1088.93	1084.52	1079.03	1074.08	1069.05	1063.65	1058.61
45.0	1093.88	1089.47	1084.88	1079.66	1074.44	1069.77	1064.64	1058.88	1053.57
67.5	1096.04	1091.54	1086.59	1081.64	1076.24	1071.48	1066.17	1061.04	1055.73
90.0	1087.58	1082.36	1077.41	1072.46	1067.52	1062.21	1056.45	1051.14	1046.02
112.5	1093.70	1089.38	1083.80	1078.85	1073.90	1068.60	1063.47	1058.07	1052.31
135.0	1095.05	1090.19	1085.42	1079.75	1074.53	1069.23	1064.19	1058.70	1053.12
157.5	1089.38	1084.70	1079.48	1074.08	1069.23	1063.83	1058.43	1052.94	1047.00
180.0	1077.32	1072.01	1066.89	1061.76	1056.54	1051.14	1045.39	1039.72	1034.32
202.5	1075.88	1070.58	1064.91	1059.96	1055.01	1048.89	1043.86	1038.37	1032.61
225.0	1074.62	1069.50	1064.46	1058.34	1053.39	1047.99	1042.51	1036.57	1030.54
247.5	1079.48	1074.71	1069.68	1064.19	1058.88	1053.48	1047.63	1041.79	1036.12
270.0	1083.08	1077.95	1072.82	1067.79	1062.57	1057.35	1052.67	1046.91	1041.07
292.5	1080.47	1075.61	1070.58	1065.18	1060.23	1055.01	1049.61	1043.77	1038.28
315.0	1087.22	1082.27	1076.96	1071.39	1066.17	1060.32	1055.46	1049.70	1044.31
337.5	1095.68	1091.09	1086.32	1081.46	1076.42	1071.03	1065.27	1060.23	1054.65
360.0	1094.96	1090.46	1085.69	1080.56	1075.16	1069.86	1065.00	1059.69	1054.38
C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	1048.80	1042.87	1037.56	1031.71	1025.86	1020.20	1014.08	1008.32	1002.20
22.5	1052.76	1047.27	1041.70	1036.30	1030.09	1024.60	1018.40	1012.28	1006.07
45.0	1048.35	1043.05	1036.66	1031.17	1025.59	1019.75	1013.54	1007.51	1001.48
67.5	1050.15	1044.58	1039.00	1032.88	1027.21	1021.01	1015.25	1009.04	1002.74
90.0	1040.17	1034.41	1028.47	1022.98	1017.14	1010.66	1004.54	997.88	991.86
112.5	1047.09	1040.98	1035.22	1029.28	1023.43	1017.59	1011.29	1005.17	998.96
135.0	1047.45	1041.88	1035.76	1029.64	1024.24	1018.04	1011.47	1005.62	999.50
157.5	1041.34	1035.76	1029.73	1023.52	1017.59	1011.47	1005.26	998.78	992.31
180.0	1028.47	1022.53	1016.87	1010.66	1004.63	998.24	992.13	985.56	979.17
202.5	1026.94	1020.92	1015.07	1009.22	1002.47	996.62	990.42	983.85	977.82
225.0	1025.23	1019.30	1013.09	1007.51	1001.30	995.55	988.62	982.59	976.38
247.5	1030.72	1024.69	1018.67	1012.64	1006.25	999.95	993.66	987.45	980.61
270.0	1035.13	1029.46	1023.97	1018.22	1011.83	1005.89	999.68	993.39	987.27
292.5	1032.52	1027.12	1020.92	1015.25	1009.13	1003.37	996.89	990.78	984.39
315.0	1038.28	1032.43	1026.40	1020.38	1014.35	1008.23	1002.29	995.91	989.34
337.5	1049.16	1043.50	1037.74	1031.44	1025.50	1019.66	1013.63	1007.33	1000.76
360.0	1048.80	1042.87	1037.56	1031.71	1025.86	1020.20	1014.08	1008.32	1002.20
C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	995.46	989.43	983.31	976.38	970.18	963.34	956.41	949.93	942.83
22.5	999.77	993.93	986.91	980.61	973.86	967.12	960.64	953.44	946.24
45.0	995.01	988.71	982.32	975.66	968.65	962.08	955.33	948.31	941.57
67.5	996.17	989.97	983.67	977.28	970.63	963.52	956.59	949.93	942.92
90.0	985.74	979.17	972.96	966.13	959.29	952.45	945.53	938.33	931.04
112.5	992.40	986.01	979.53	972.96	965.86	959.29	952.54	945.44	937.88
135.0	992.76	986.28	979.80	973.50	966.22	959.65	952.27	945.35	938.06
157.5	986.10	979.44	972.87	965.77	959.11	952.45	945.17	938.15	931.04
180.0	972.60	966.04	959.20	952.99	945.88	938.69	931.67	924.56	917.19
202.5	971.16	964.78	958.21	951.37	944.54	937.52	930.59	923.66	916.02
225.0	970.00	962.80	955.96	949.12	942.56	935.36	928.25	920.96	913.95
247.5	974.40	967.75	960.91	953.89	946.60	939.77	932.66	925.46	918.45
270.0	980.70	974.04	967.48	960.91	953.80	946.60	940.04	933.47	925.73
292.5	978.18	971.43	964.69	958.03	951.19	944.27	937.61	930.23	923.03
315.0	982.95	976.29	969.64	962.62	955.78	949.12	942.11	934.91	927.71
337.5	994.65	988.08	981.69	975.12	968.29	961.27	954.52	947.59	940.40
360.0	995.46	989.43	983.31	976.38	970.18	963.34	956.41	949.93	942.83

## 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	935.90	928.61	921.05	914.13	906.75	899.23	891.84	883.91	876.53
22.5	939.59	932.39	925.01	917.73	910.35	902.88	895.07	887.62	879.73
45.0	934.28	926.99	919.98	912.60	905.13	897.45	890.13	882.50	874.74
67.5	935.90	928.61	921.68	914.04	906.57	899.27	891.69	883.71	876.19
90.0	923.84	917.01	909.72	901.98	894.33	886.96	879.38	871.38	863.30
112.5	930.95	923.57	916.11	908.82	901.26	893.80	885.80	878.02	870.25
135.0	930.77	923.93	916.47	908.64	901.17	893.72	886.01	877.91	869.96
157.5	923.12	915.93	908.64	901.08	893.16	885.63	877.63	869.69	861.73
180.0	909.72	902.43	895.21	887.26	879.70	871.93	864.20	856.15	847.87
202.5	908.73	901.17	894.00	886.52	878.92	871.12	862.97	855.34	847.47
225.0	906.30	898.95	891.74	883.87	876.35	868.88	860.74	853.00	845.02
247.5	911.25	903.69	895.97	888.11	880.71	872.40	864.82	857.08	848.56
270.0	918.54	911.52	904.23	896.55	889.25	881.22	873.35	865.90	858.00
292.5	916.02	908.64	901.17	893.69	886.18	878.47	870.58	862.63	855.21
315.0	920.25	912.78	905.31	897.86	890.52	882.77	874.62	867.08	859.17
337.5	933.11	925.91	918.54	910.98	903.42	895.77	888.40	880.35	872.29
360.0	935.90	928.61	921.05	914.13	906.75	899.23	891.84	883.91	876.53
C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	868.52	860.55	852.60	844.70	836.51	828.38	819.63	811.81	803.26
22.5	872.13	864.40	856.02	847.75	839.80	831.54	822.97	814.29	806.12
45.0	866.91	859.12	850.95	842.88	835.01	826.64	818.20	809.80	801.38
67.5	868.31	859.82	852.05	843.96	835.97	827.48	819.00	810.82	802.28
90.0	855.17	847.35	839.77	830.87	823.11	814.87	805.92	797.34	788.83
112.5	862.17	854.19	846.04	837.54	829.62	820.87	812.56	803.77	794.87
135.0	862.33	854.15	845.84	837.81	829.15	820.74	812.19	803.62	795.26
157.5	853.58	845.45	837.30	828.81	820.83	811.98	803.31	794.68	786.05
180.0	840.12	832.05	823.64	815.24	806.79	798.27	789.65	780.85	772.27
202.5	839.17	830.71	822.77	814.58	806.17	797.27	788.79	779.70	771.47
225.0	836.93	828.32	820.30	812.39	803.67	795.14	786.41	777.56	768.99
247.5	840.26	832.40	823.90	815.50	807.25	798.47	789.90	781.52	772.50
270.0	849.98	841.73	833.59	825.22	816.89	808.54	800.12	791.59	783.18
292.5	847.15	838.94	830.96	822.62	814.35	806.16	797.08	788.93	780.28
315.0	850.77	842.99	834.58	826.57	817.78	809.69	801.15	792.46	783.93
337.5	864.32	856.62	848.32	840.28	831.85	823.25	814.74	806.41	797.93
360.0	868.52	860.55	852.60	844.70	836.51	828.38	819.63	811.81	803.26
C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	794.47	785.89	777.40	768.50	759.16	749.98	740.71	731.86	722.74
22.5	797.35	789.18	780.58	771.15	762.29	753.33	744.32	735.21	725.76
45.0	793.05	784.05	775.30	766.52	757.40	748.49	739.16	730.25	721.09
67.5	793.58	785.12	776.27	767.11	757.94	749.03	739.80	730.58	721.41
90.0	780.06	770.99	761.88	753.29	744.22	735.09	725.76	716.53	707.02
112.5	786.30	777.53	768.31	759.41	750.12	740.78	731.88	722.64	713.10
135.0	786.40	777.50	768.59	759.63	750.77	741.22	732.17	723.05	713.13
157.5	777.35	768.49	759.00	750.36	741.22	731.70	722.67	712.85	703.65
180.0	763.22	754.48	745.30	736.29	727.06	717.89	708.50	699.18	689.63
202.5	762.46	753.39	744.54	735.26	726.45	717.03	707.36	698.17	688.25
225.0	760.38	751.49	742.42	733.45	724.13	714.96	706.00	696.49	686.62
247.5	763.38	754.32	745.46	736.17	727.10	717.67	708.66	698.93	689.25
270.0	774.57	765.61	756.92	747.76	738.96	729.74	720.52	710.93	701.98
292.5	771.29	762.87	753.77	744.69	736.27	727.16	718.00	708.22	699.19
315.0	775.08	765.92	757.07	748.27	738.93	730.08	720.61	711.37	701.80
337.5	788.97	779.97	771.08	762.22	752.88	744.09	734.92	725.54	715.93
360.0	794.47	785.89	777.40	768.50	759.16	749.98	740.71	731.86	722.74

## Intensity data(cd)

C/ $\gamma$ (°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	713.35	703.04	694.27	684.84	674.89	664.96	655.44	645.71	635.77
22.5	716.59	707.16	697.60	687.88	677.89	668.32	658.32	648.54	638.33
45.0	711.47	701.91	692.73	683.15	673.16	663.43	653.70	643.81	633.97
67.5	712.06	702.29	692.94	683.32	673.48	663.60	653.81	644.03	633.77
90.0	697.28	688.16	678.39	668.55	658.87	648.92	638.96	628.80	618.59
112.5	703.49	693.83	684.63	674.58	664.72	654.52	644.35	634.39	624.04
135.0	703.66	693.94	684.74	674.86	665.21	655.17	645.11	634.84	624.83
157.5	693.68	684.36	674.40	664.26	654.58	644.68	634.67	624.52	614.14
180.0	679.85	670.43	660.45	650.72	640.88	630.62	620.72	611.15	600.88
202.5	678.99	669.25	659.33	649.74	639.69	629.96	619.94	609.67	599.47
225.0	677.47	667.70	658.32	648.38	638.44	628.71	618.82	608.82	598.66
247.5	679.70	670.05	659.91	650.45	640.19	630.71	620.08	610.50	600.07
270.0	692.29	683.15	673.28	663.54	653.91	644.19	634.03	624.24	614.11
292.5	689.75	680.17	670.39	661.04	651.15	641.31	631.11	621.26	611.59
315.0	692.02	682.95	673.21	663.27	653.81	643.60	633.65	623.44	613.55
337.5	706.58	697.02	687.39	677.77	667.62	658.05	648.06	637.69	627.94
360.0	713.35	703.04	694.27	684.84	674.89	664.96	655.44	645.71	635.77
C/ $\gamma$ (°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	625.12	615.43	605.16	594.88	584.65	574.24	563.67	552.93	542.65
22.5	628.27	618.27	607.67	597.72	587.05	576.75	566.24	555.49	544.90
45.0	623.81	614.02	603.33	593.15	582.95	572.62	562.23	551.42	541.05
67.5	623.65	613.81	603.92	593.54	582.99	572.47	561.97	551.27	540.94
90.0	608.81	598.47	587.71	577.44	567.05	556.85	546.24	535.36	524.69
112.5	613.71	602.84	591.74	580.85	569.90	558.44	547.24	536.52	525.21
135.0	614.68	604.74	594.07	583.25	572.41	561.21	549.30	537.82	525.84
157.5	604.25	593.85	583.09	572.81	562.35	551.58	541.02	530.10	519.60
180.0	590.10	579.81	569.59	559.25	548.58	537.99	527.43	516.98	506.44
202.5	589.19	578.91	568.56	557.83	547.51	537.01	526.24	515.58	504.96
225.0	588.05	577.78	567.56	557.41	546.64	536.25	525.71	515.14	504.50
247.5	589.84	579.56	568.91	558.50	548.05	537.29	526.79	516.07	505.45
270.0	603.79	593.82	583.55	573.24	562.81	551.90	541.81	530.96	520.18
292.5	601.32	591.16	580.75	570.46	559.90	549.53	539.09	528.26	517.59
315.0	603.28	593.12	582.81	572.58	561.93	551.54	540.96	530.13	519.51
337.5	617.84	607.51	597.08	586.77	576.17	565.61	555.07	544.26	533.75
360.0	625.12	615.43	605.16	594.88	584.65	574.24	563.67	552.93	542.65
C/ $\gamma$ (°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	531.82	521.09	510.09	498.84	488.17	477.14	466.38	455.04	443.95
22.5	534.13	523.29	512.24	501.48	490.60	479.31	468.35	456.98	445.83
45.0	530.21	519.39	508.77	497.67	486.42	475.65	464.88	453.56	442.14
67.5	529.90	519.12	508.24	497.42	486.22	475.44	463.86	453.19	441.84
90.0	513.77	503.04	492.32	481.60	470.87	460.11	448.52	437.17	425.54
112.5	514.31	502.92	491.53	480.14	468.75	457.17	446.10	434.59	422.54
135.0	513.81	502.42	491.02	479.62	468.21	455.88	443.23	430.23	416.74
157.5	508.96	498.31	487.68	477.04	466.35	454.66	443.25	431.78	420.10
180.0	495.80	485.17	474.54	463.90	452.64	441.32	430.35	418.89	407.73
202.5	494.35	483.72	473.10	462.47	451.40	440.24	429.36	417.99	406.61
225.0	493.86	483.23	472.58	461.92	450.75	439.40	428.49	417.21	405.83
247.5	494.83	484.21	473.59	462.95	451.39	440.53	429.29	418.01	406.70
270.0	509.21	498.38	487.71	476.84	465.73	454.70	443.34	432.24	421.08
292.5	507.09	496.16	485.02	474.36	463.58	452.43	441.66	430.09	418.87
315.0	508.74	497.76	486.89	475.68	465.15	453.65	442.76	431.51	420.24
337.5	523.03	512.10	500.85	490.07	478.82	468.15	456.63	445.68	434.22
360.0	531.82	521.09	510.09	498.84	488.17	477.14	466.38	455.04	443.95

## 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	432.37	421.20	409.99	398.49	386.95	375.69	364.24	352.80	340.98
22.5	434.64	422.93	411.63	400.38	389.11	377.46	365.92	354.22	342.71
45.0	431.05	419.77	408.48	397.27	385.74	374.37	362.93	351.38	339.78
67.5	430.31	418.66	407.60	396.10	384.78	372.98	361.76	349.77	338.28
90.0	414.61	402.84	391.56	379.64	368.16	356.16	344.73	332.81	320.79
112.5	409.61	396.48	383.59	371.00	358.88	344.79	331.01	317.14	304.23
135.0	403.52	391.20	379.29	367.44	355.95	343.16	328.52	312.93	297.37
157.5	408.06	395.81	383.74	371.30	358.84	346.06	332.88	320.04	306.20
180.0	396.26	384.97	372.89	361.29	349.14	337.32	325.37	313.57	302.03
202.5	395.29	384.17	372.81	360.99	349.72	338.03	325.82	313.71	301.25
225.0	394.61	383.49	371.69	360.38	349.08	337.56	326.14	314.65	303.17
247.5	395.23	384.00	372.54	361.07	349.54	338.25	326.62	315.22	303.82
270.0	409.71	398.66	387.37	376.01	364.25	353.24	341.59	330.26	318.51
292.5	407.83	396.69	385.37	373.79	362.57	351.30	340.12	328.65	317.30
315.0	409.03	397.69	386.32	375.06	363.74	352.18	340.79	329.49	317.87
337.5	422.83	411.34	400.32	388.64	377.36	365.57	354.42	342.58	331.52
360.0	432.37	421.20	409.99	398.49	386.95	375.69	364.24	352.80	340.98
C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	329.79	318.16	306.77	295.25	283.59	272.22	260.60	249.38	236.10
22.5	331.29	319.78	308.11	296.45	284.89	273.41	261.78	250.41	238.81
45.0	327.98	316.62	304.92	293.29	281.63	269.88	258.41	246.89	235.22
67.5	326.27	315.17	303.05	291.18	279.27	267.72	255.72	243.66	232.05
90.0	308.86	297.20	285.00	273.19	261.54	249.87	238.03	226.76	215.45
112.5	292.07	280.08	267.73	255.13	243.99	232.24	218.74	206.03	192.63
135.0	283.58	271.26	258.88	247.08	233.18	217.56	202.94	190.28	178.23
157.5	292.52	278.48	264.93	250.97	237.73	224.23	210.49	195.90	179.16
180.0	290.44	279.22	267.59	255.80	239.98	220.59	204.41	188.68	171.26
202.5	288.78	276.33	264.60	253.47	242.03	230.51	217.11	200.97	187.50
225.0	291.78	280.41	269.09	257.68	246.25	234.95	223.61	212.60	201.28
247.5	291.96	280.88	269.53	257.91	246.68	235.06	223.95	212.65	201.51
270.0	307.41	295.77	284.56	273.03	261.72	250.27	239.20	227.92	216.88
292.5	305.70	294.19	283.22	271.49	260.00	248.97	237.74	226.52	215.57
315.0	306.16	295.14	283.62	272.09	260.77	249.63	237.98	226.97	216.02
337.5	319.96	308.14	296.84	285.24	273.75	262.19	250.54	239.15	228.07
360.0	329.79	318.16	306.77	295.25	283.59	272.22	260.60	249.38	236.10
C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	218.56	202.90	187.23	171.57	155.89	139.89	125.88	111.53	97.34
22.5	227.36	213.82	200.20	186.58	172.96	159.34	146.71	134.35	122.11
45.0	223.88	212.35	200.82	189.29	177.76	166.24	154.78	143.49	132.81
67.5	219.41	208.53	197.65	186.78	175.90	164.88	153.88	142.69	131.70
90.0	204.07	192.72	181.45	170.22	159.01	148.01	137.27	126.64	116.23
112.5	178.70	165.30	153.05	139.90	129.10	118.51	109.11	100.42	92.00
135.0	163.69	148.83	138.10	125.85	110.25	97.09	83.80	73.47	63.15
157.5	164.57	151.10	136.14	123.77	107.77	93.34	80.75	68.16	55.57
180.0	156.90	138.78	125.24	108.89	94.33	81.71	69.11	56.50	43.90
202.5	174.14	159.86	146.59	132.23	119.99	107.31	95.38	84.82	76.56
225.0	190.45	179.56	168.62	157.93	147.42	137.04	127.03	117.05	107.32
247.5	190.71	179.81	168.64	158.10	147.61	137.19	127.02	117.01	107.28
270.0	205.84	194.81	183.77	172.73	161.95	151.49	141.01	130.65	120.68
292.5	204.62	193.68	182.73	171.78	160.96	150.42	139.93	129.55	120.10
315.0	205.08	194.13	183.19	172.25	161.40	150.36	140.37	130.09	120.21
337.5	214.76	201.32	187.89	174.45	161.01	146.81	134.13	120.65	108.08
360.0	218.56	202.90	187.23	171.57	155.89	139.89	125.88	111.53	97.34

## 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	84.39	71.69	58.46	45.71	34.11	22.51	15.75	8.99	2.57
22.5	110.87	100.49	89.87	79.80	70.32	61.88	53.95	46.47	39.05
45.0	122.37	112.48	101.50	90.99	81.07	71.19	61.09	51.58	42.83
67.5	121.11	111.21	101.08	90.92	81.15	72.18	62.99	53.90	45.47
90.0	105.82	95.75	86.03	76.77	68.40	60.04	51.68	43.37	36.24
112.5	83.23	75.45	67.81	60.17	52.53	44.91	38.27	32.91	27.39
135.0	52.82	42.63	36.34	31.32	27.12	23.31	19.87	17.16	14.78
157.5	42.98	30.66	23.57	17.58	14.30	12.11	9.93	7.75	5.57
180.0	31.30	25.13	19.11	13.08	7.05	1.02	0.80	0.76	0.73
202.5	68.31	60.06	51.81	43.63	37.95	33.03	28.39	24.13	19.99
225.0	97.50	88.37	79.43	71.48	63.52	55.56	47.61	39.65	32.73
247.5	97.57	88.19	79.17	71.11	63.06	55.00	46.95	38.89	32.07
270.0	110.82	101.01	91.63	82.55	73.50	64.90	56.77	48.70	40.98
292.5	110.09	100.32	91.15	82.08	73.28	64.75	56.82	49.22	41.71
315.0	109.86	100.41	91.13	81.90	72.86	64.36	56.31	48.67	41.37
337.5	97.38	85.89	75.29	65.10	56.15	47.72	40.62	34.36	29.13
360.0	84.39	71.69	58.46	45.71	34.11	22.51	15.75	8.99	2.57
C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	2.38	2.19	1.99	1.80	1.49	1.31	1.12	0.94	0.75
22.5	32.23	25.88	21.42	16.97	12.51	8.06	3.61	2.34	2.00
45.0	34.26	26.54	20.06	16.19	12.31	8.43	4.55	3.06	2.38
67.5	38.02	30.87	24.37	20.53	16.68	12.84	9.00	5.16	3.00
90.0	29.70	24.07	19.19	15.77	12.35	8.93	5.52	2.19	0.69
112.5	22.00	17.89	14.33	11.89	9.45	7.02	4.58	2.16	0.68
135.0	12.54	10.76	8.98	7.21	5.43	3.66	2.47	1.40	0.59
157.5	3.42	2.81	2.39	2.01	1.76	1.39	0.88	0.48	0.34
180.0	0.70	0.64	0.58	0.51	0.43	0.33	0.27	0.27	0.28
202.5	16.20	13.24	10.29	7.33	4.38	1.50	0.66	0.50	0.48
225.0	25.98	19.98	16.13	12.31	8.49	4.66	0.95	0.49	0.37
247.5	25.66	19.63	16.01	12.41	8.81	5.22	1.71	1.19	1.04
270.0	34.22	27.65	21.83	17.99	14.25	10.51	6.77	3.03	2.51
292.5	34.80	28.25	22.07	18.14	14.28	10.42	6.56	2.76	2.50
315.0	34.79	28.49	22.66	18.61	14.65	10.68	6.72	2.75	2.39
337.5	24.49	20.51	16.83	13.48	10.72	8.00	5.28	2.56	2.16
360.0	2.38	2.19	1.99	1.80	1.49	1.31	1.12	0.94	0.75
C/γ(°)	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0
0.0	0.57	0.47	0.43	0.40	0.37	0.33	0.29	0.25	0.21
22.5	1.67	1.35	1.02	0.86	0.76	0.70	0.65	0.60	0.55
45.0	2.00	1.62	1.23	0.85	0.82	0.79	0.74	0.69	0.63
67.5	2.51	2.02	1.52	1.03	0.54	0.51	0.48	0.45	0.43
90.0	0.43	0.39	0.36	0.36	0.35	0.34	0.33	0.33	0.33
112.5	0.37	0.37	0.36	0.36	0.36	0.35	0.35	0.35	0.35
135.0	0.36	0.35	0.35	0.35	0.35	0.34	0.33	0.33	0.32
157.5	0.33	0.33	0.32	0.32	0.32	0.31	0.30	0.30	0.29
180.0	0.28	0.28	0.29	0.29	0.29	0.29	0.30	0.30	0.30
202.5	0.47	0.46	0.44	0.42	0.40	0.37	0.34	0.32	0.30
225.0	0.35	0.34	0.34	0.34	0.34	0.33	0.33	0.33	0.32
247.5	0.98	0.95	0.92	0.89	0.85	0.81	0.76	0.70	0.63
270.0	2.21	1.90	1.60	1.29	1.24	1.19	1.14	1.08	0.99
292.5	2.23	1.97	1.70	1.64	1.58	1.50	1.41	1.29	1.15
315.0	2.22	2.04	1.87	1.75	1.60	1.42	1.19	0.89	0.60
337.5	1.78	1.40	1.01	0.87	0.66	0.48	0.41	0.35	0.32
360.0	0.57	0.47	0.43	0.40	0.37	0.33	0.29	0.25	0.21

## 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	0.18	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.19
22.5	0.50	0.46	0.43	0.40	0.37	0.36	0.35	0.34	0.33
45.0	0.57	0.51	0.48	0.46	0.44	0.41	0.38	0.36	0.33
67.5	0.40	0.37	0.33	0.30	0.28	0.28	0.28	0.28	0.28
90.0	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
112.5	0.34	0.34	0.34	0.34	0.33	0.33	0.33	0.33	0.32
135.0	0.31	0.31	0.31	0.30	0.30	0.29	0.29	0.28	0.28
157.5	0.28	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.26
180.0	0.30	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.30
202.5	0.28	0.27	0.26	0.26	0.25	0.25	0.25	0.25	0.25
225.0	0.32	0.31	0.31	0.30	0.30	0.29	0.28	0.28	0.28
247.5	0.55	0.46	0.39	0.32	0.30	0.29	0.29	0.29	0.28
270.0	0.89	0.79	0.65	0.48	0.38	0.26	0.22	0.22	0.22
292.5	0.98	0.77	0.55	0.40	0.28	0.24	0.24	0.24	0.24
315.0	0.41	0.29	0.26	0.26	0.26	0.25	0.25	0.25	0.24
337.5	0.29	0.27	0.25	0.23	0.22	0.21	0.21	0.20	0.20
360.0	0.18	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.19
C/γ(°)	99.0	99.5	100.0	100.5	101.0	101.5	102.0	102.5	103.0
0.0	0.19	0.20	0.20	0.20	0.21	0.21	0.22	0.22	0.22
22.5	0.32	0.31	0.30	0.30	0.30	0.30	0.30	0.30	0.30
45.0	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.32	0.32
67.5	0.28	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30
90.0	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.30	0.30
112.5	0.32	0.32	0.32	0.31	0.31	0.31	0.31	0.31	0.30
135.0	0.28	0.28	0.27	0.27	0.27	0.27	0.27	0.26	0.26
157.5	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
180.0	0.30	0.30	0.29	0.28	0.27	0.27	0.27	0.27	0.27
202.5	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
225.0	0.27	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.26
247.5	0.28	0.28	0.28	0.28	0.28	0.27	0.27	0.27	0.27
270.0	0.22	0.23	0.23	0.23	0.24	0.24	0.24	0.25	0.25
292.5	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25
315.0	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
337.5	0.20	0.20	0.20	0.20	0.21	0.21	0.22	0.22	0.22
360.0	0.19	0.20	0.20	0.20	0.21	0.21	0.22	0.22	0.22
C/γ(°)	103.5	104.0	104.5	105.0	105.5	106.0	106.5	107.0	107.5
0.0	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.26
22.5	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
45.0	0.32	0.33	0.33	0.33	0.33	0.32	0.32	0.32	0.31
67.5	0.30	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.32
90.0	0.30	0.30	0.30	0.30	0.30	0.29	0.29	0.29	0.29
112.5	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.29	0.29
135.0	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
157.5	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
180.0	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.26	0.26
202.5	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
225.0	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
247.5	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
270.0	0.25	0.26	0.26	0.26	0.27	0.27	0.28	0.28	0.29
292.5	0.26	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.28
315.0	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.27	0.27
337.5	0.23	0.23	0.24	0.24	0.25	0.25	0.25	0.26	0.26
360.0	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.26

## 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	0.27	0.27	0.28	0.28	0.29	0.30	0.30	0.31	0.31
22.5	0.30	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.31
45.0	0.31	0.31	0.32	0.32	0.32	0.33	0.33	0.33	0.33
67.5	0.32	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.34
90.0	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30
112.5	0.29	0.29	0.29	0.28	0.29	0.29	0.29	0.29	0.30
135.0	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.28	0.29
157.5	0.26	0.26	0.26	0.27	0.27	0.28	0.28	0.28	0.29
180.0	0.26	0.27	0.27	0.27	0.28	0.28	0.29	0.29	0.30
202.5	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.29	0.29
225.0	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.29	0.29
247.5	0.27	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.30
270.0	0.29	0.30	0.30	0.30	0.31	0.31	0.32	0.33	0.33
292.5	0.29	0.29	0.30	0.30	0.30	0.31	0.31	0.32	0.32
315.0	0.28	0.28	0.29	0.29	0.30	0.30	0.31	0.31	0.32
337.5	0.27	0.27	0.28	0.28	0.29	0.29	0.30	0.30	0.31
360.0	0.27	0.27	0.28	0.28	0.29	0.30	0.30	0.31	0.31
C/γ(°)	112.5	113.0	113.5	114.0	114.5	115.0	115.5	116.0	116.5
0.0	0.32	0.32	0.33	0.33	0.34	0.35	0.35	0.36	0.37
22.5	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.36	0.37
45.0	0.34	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.37
67.5	0.35	0.35	0.36	0.36	0.36	0.37	0.37	0.38	0.38
90.0	0.31	0.31	0.31	0.32	0.32	0.33	0.33	0.34	0.34
112.5	0.30	0.30	0.31	0.31	0.32	0.32	0.33	0.33	0.34
135.0	0.29	0.30	0.30	0.31	0.31	0.32	0.32	0.33	0.34
157.5	0.29	0.30	0.30	0.31	0.31	0.32	0.33	0.33	0.34
180.0	0.30	0.31	0.31	0.32	0.32	0.33	0.34	0.34	0.35
202.5	0.30	0.30	0.31	0.31	0.32	0.33	0.33	0.34	0.34
225.0	0.30	0.30	0.31	0.31	0.32	0.32	0.33	0.34	0.34
247.5	0.30	0.31	0.31	0.32	0.32	0.33	0.33	0.34	0.35
270.0	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.38	0.38
292.5	0.33	0.33	0.34	0.34	0.35	0.36	0.36	0.37	0.37
315.0	0.32	0.33	0.33	0.34	0.34	0.35	0.36	0.36	0.37
337.5	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.36	0.36
360.0	0.32	0.32	0.33	0.33	0.34	0.35	0.35	0.36	0.37
C/γ(°)	117.0	117.5	118.0	118.5	119.0	119.5	120.0	120.5	121.0
0.0	0.37	0.38	0.39	0.39	0.40	0.41	0.41	0.42	0.43
22.5	0.37	0.38	0.39	0.39	0.40	0.40	0.41	0.42	0.42
45.0	0.38	0.38	0.39	0.40	0.40	0.41	0.42	0.42	0.43
67.5	0.39	0.39	0.40	0.40	0.41	0.42	0.42	0.43	0.43
90.0	0.35	0.35	0.36	0.37	0.37	0.38	0.38	0.39	0.40
112.5	0.35	0.35	0.36	0.36	0.37	0.38	0.38	0.39	0.40
135.0	0.34	0.35	0.35	0.36	0.37	0.37	0.38	0.39	0.39
157.5	0.34	0.35	0.36	0.36	0.37	0.38	0.38	0.39	0.40
180.0	0.35	0.36	0.37	0.37	0.38	0.39	0.39	0.40	0.41
202.5	0.35	0.36	0.36	0.37	0.37	0.38	0.39	0.40	0.40
225.0	0.35	0.35	0.36	0.37	0.37	0.38	0.39	0.39	0.40
247.5	0.35	0.36	0.36	0.37	0.38	0.38	0.39	0.40	0.41
270.0	0.39	0.39	0.40	0.41	0.41	0.42	0.43	0.43	0.44
292.5	0.38	0.39	0.39	0.40	0.41	0.41	0.42	0.42	0.43
315.0	0.38	0.38	0.39	0.39	0.40	0.41	0.41	0.42	0.43
337.5	0.37	0.38	0.38	0.39	0.39	0.40	0.41	0.41	0.42
360.0	0.37	0.38	0.39	0.39	0.40	0.41	0.41	0.42	0.43

## Intensity data(cd)

C/ $\gamma$ (°)	121.5	122.0	122.5	123.0	123.5	124.0	124.5	125.0	125.5
0.0	0.44	0.44	0.45	0.46	0.46	0.47	0.48	0.48	0.49
22.5	0.43	0.44	0.44	0.45	0.46	0.46	0.47	0.48	0.48
45.0	0.43	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.48
67.5	0.44	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.48
90.0	0.40	0.41	0.42	0.42	0.43	0.44	0.45	0.45	0.46
112.5	0.40	0.41	0.42	0.42	0.43	0.44	0.45	0.45	0.46
135.0	0.40	0.41	0.42	0.42	0.43	0.44	0.45	0.45	0.46
157.5	0.40	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.46
180.0	0.42	0.42	0.43	0.44	0.45	0.46	0.46	0.47	0.48
202.5	0.41	0.42	0.43	0.43	0.44	0.45	0.45	0.46	0.47
225.0	0.41	0.42	0.42	0.43	0.44	0.45	0.45	0.46	0.47
247.5	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.46	0.47
270.0	0.44	0.45	0.46	0.46	0.47	0.47	0.48	0.49	0.49
292.5	0.44	0.44	0.45	0.46	0.46	0.47	0.48	0.48	0.49
315.0	0.43	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.49
337.5	0.43	0.43	0.44	0.45	0.45	0.46	0.47	0.47	0.48
360.0	0.44	0.44	0.45	0.46	0.46	0.47	0.48	0.48	0.49
C/ $\gamma$ (°)	126.0	126.5	127.0	127.5	128.0	128.5	129.0	129.5	130.0
0.0	0.50	0.50	0.51	0.51	0.52	0.53	0.53	0.54	0.54
22.5	0.49	0.49	0.50	0.51	0.51	0.52	0.52	0.53	0.53
45.0	0.49	0.49	0.50	0.51	0.51	0.52	0.52	0.53	0.53
67.5	0.49	0.49	0.50	0.50	0.51	0.51	0.52	0.52	0.53
90.0	0.47	0.47	0.48	0.49	0.50	0.51	0.51	0.52	0.53
112.5	0.47	0.48	0.48	0.49	0.50	0.51	0.52	0.52	0.53
135.0	0.47	0.48	0.48	0.49	0.50	0.51	0.52	0.52	0.53
157.5	0.47	0.48	0.49	0.50	0.51	0.51	0.52	0.53	0.54
180.0	0.49	0.49	0.50	0.51	0.52	0.53	0.54	0.54	0.55
202.5	0.48	0.48	0.49	0.50	0.51	0.52	0.52	0.53	0.54
225.0	0.48	0.48	0.49	0.50	0.51	0.52	0.52	0.53	0.54
247.5	0.48	0.49	0.50	0.50	0.51	0.52	0.53	0.53	0.54
270.0	0.50	0.50	0.51	0.51	0.52	0.53	0.53	0.54	0.54
292.5	0.49	0.50	0.50	0.51	0.52	0.52	0.53	0.53	0.54
315.0	0.49	0.50	0.50	0.51	0.52	0.52	0.53	0.53	0.54
337.5	0.48	0.49	0.50	0.50	0.51	0.51	0.52	0.52	0.53
360.0	0.50	0.50	0.51	0.51	0.52	0.53	0.53	0.54	0.54
C/ $\gamma$ (°)	130.5	131.0	131.5	132.0	132.5	133.0	133.5	134.0	134.5
0.0	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.58	0.59
22.5	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58
45.0	0.54	0.54	0.55	0.55	0.56	0.56	0.56	0.57	0.57
67.5	0.53	0.54	0.54	0.55	0.55	0.55	0.56	0.56	0.57
90.0	0.54	0.54	0.55	0.56	0.57	0.57	0.58	0.59	0.60
112.5	0.54	0.55	0.55	0.56	0.57	0.58	0.58	0.59	0.60
135.0	0.54	0.55	0.55	0.56	0.57	0.58	0.59	0.59	0.60
157.5	0.54	0.55	0.56	0.57	0.58	0.58	0.59	0.60	0.61
180.0	0.56	0.57	0.57	0.58	0.59	0.60	0.61	0.62	0.62
202.5	0.55	0.55	0.56	0.57	0.58	0.58	0.59	0.60	0.61
225.0	0.55	0.55	0.56	0.57	0.58	0.59	0.59	0.60	0.61
247.5	0.55	0.56	0.57	0.57	0.58	0.59	0.60	0.60	0.61
270.0	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.57	0.58
292.5	0.54	0.55	0.55	0.55	0.56	0.56	0.57	0.57	0.58
315.0	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.57	0.58
337.5	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57
360.0	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.58	0.59

## Intensity data(cd)

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C/γ(°)	135.0	135.5	136.0	136.5	137.0	137.5	138.0	138.5	139.0
0.0	0.59	0.60	0.60	0.60	0.60	0.61	0.61	0.61	0.62
22.5	0.58	0.58	0.59	0.59	0.59	0.59	0.60	0.60	0.60
45.0	0.57	0.58	0.58	0.58	0.59	0.59	0.59	0.59	0.60
67.5	0.57	0.57	0.58	0.58	0.58	0.58	0.59	0.59	0.59
90.0	0.60	0.61	0.62	0.63	0.64	0.64	0.65	0.66	0.66
112.5	0.61	0.62	0.62	0.63	0.64	0.65	0.65	0.66	0.67
135.0	0.61	0.62	0.62	0.63	0.64	0.65	0.65	0.66	0.67
157.5	0.62	0.62	0.63	0.64	0.65	0.65	0.66	0.67	0.68
180.0	0.63	0.64	0.65	0.65	0.66	0.67	0.68	0.69	0.69
202.5	0.61	0.62	0.63	0.64	0.64	0.65	0.66	0.67	0.68
225.0	0.62	0.62	0.63	0.64	0.65	0.65	0.66	0.67	0.68
247.5	0.62	0.63	0.63	0.64	0.65	0.66	0.66	0.67	0.68
270.0	0.58	0.58	0.58	0.59	0.59	0.59	0.59	0.60	0.60
292.5	0.58	0.58	0.58	0.59	0.59	0.59	0.59	0.59	0.60
315.0	0.58	0.58	0.58	0.59	0.59	0.59	0.59	0.59	0.60
337.5	0.57	0.58	0.58	0.58	0.59	0.59	0.59	0.59	0.60
360.0	0.59	0.60	0.60	0.60	0.60	0.61	0.61	0.61	0.62
C/γ(°)	139.5	140.0	140.5	141.0	141.5	142.0	142.5	143.0	143.5
0.0	0.62	0.62	0.62	0.63	0.63	0.63	0.64	0.64	0.64
22.5	0.61	0.61	0.61	0.61	0.62	0.62	0.62	0.63	0.63
45.0	0.60	0.60	0.60	0.61	0.61	0.61	0.62	0.62	0.62
67.5	0.59	0.59	0.60	0.60	0.60	0.61	0.61	0.61	0.62
90.0	0.67	0.68	0.69	0.69	0.70	0.71	0.72	0.72	0.73
112.5	0.68	0.68	0.69	0.70	0.71	0.72	0.72	0.73	0.74
135.0	0.68	0.69	0.69	0.70	0.71	0.72	0.72	0.73	0.74
157.5	0.68	0.69	0.70	0.71	0.72	0.72	0.73	0.74	0.74
180.0	0.70	0.71	0.72	0.72	0.73	0.74	0.74	0.75	0.76
202.5	0.68	0.69	0.70	0.71	0.72	0.72	0.73	0.74	0.74
225.0	0.68	0.69	0.70	0.71	0.71	0.72	0.73	0.73	0.74
247.5	0.69	0.69	0.70	0.71	0.72	0.72	0.73	0.74	0.74
270.0	0.60	0.60	0.61	0.61	0.61	0.61	0.62	0.62	0.62
292.5	0.60	0.60	0.60	0.61	0.61	0.61	0.61	0.62	0.62
315.0	0.60	0.60	0.60	0.61	0.61	0.61	0.61	0.62	0.62
337.5	0.60	0.60	0.61	0.61	0.61	0.62	0.62	0.62	0.63
360.0	0.62	0.62	0.62	0.63	0.63	0.63	0.64	0.64	0.64
C/γ(°)	144.0	144.5	145.0	145.5	146.0	146.5	147.0	147.5	148.0
0.0	0.65	0.65	0.65	0.65	0.66	0.66	0.66	0.66	0.67
22.5	0.63	0.64	0.64	0.64	0.64	0.65	0.65	0.65	0.65
45.0	0.63	0.63	0.63	0.63	0.64	0.64	0.64	0.64	0.64
67.5	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.64	0.64
90.0	0.74	0.74	0.75	0.75	0.76	0.77	0.77	0.78	0.78
112.5	0.74	0.75	0.76	0.76	0.77	0.77	0.78	0.79	0.79
135.0	0.74	0.75	0.76	0.76	0.77	0.77	0.78	0.79	0.79
157.5	0.75	0.76	0.76	0.77	0.77	0.78	0.79	0.79	0.80
180.0	0.76	0.77	0.77	0.78	0.79	0.79	0.80	0.81	0.81
202.5	0.75	0.76	0.76	0.77	0.77	0.78	0.79	0.79	0.80
225.0	0.75	0.75	0.76	0.76	0.77	0.78	0.78	0.79	0.79
247.5	0.75	0.75	0.76	0.76	0.77	0.78	0.78	0.79	0.79
270.0	0.62	0.63	0.63	0.63	0.63	0.63	0.64	0.64	0.64
292.5	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.64
315.0	0.62	0.62	0.63	0.63	0.63	0.63	0.64	0.64	0.64
337.5	0.63	0.63	0.64	0.64	0.64	0.65	0.65	0.65	0.65
360.0	0.65	0.65	0.65	0.65	0.66	0.66	0.66	0.66	0.67

## Intensity data(cd)

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C/γ(°)	148.5	149.0	149.5	150.0	150.5	151.0	151.5	152.0	152.5
0.0	0.67	0.67	0.67	0.68	0.68	0.68	0.68	0.68	0.68
22.5	0.66	0.66	0.66	0.66	0.67	0.67	0.67	0.67	0.67
45.0	0.65	0.65	0.65	0.65	0.65	0.66	0.66	0.66	0.66
67.5	0.64	0.64	0.64	0.65	0.65	0.65	0.65	0.65	0.65
90.0	0.79	0.80	0.80	0.80	0.81	0.82	0.82	0.83	0.84
112.5	0.80	0.80	0.81	0.81	0.82	0.82	0.83	0.84	0.84
135.0	0.80	0.80	0.81	0.81	0.82	0.83	0.83	0.84	0.85
157.5	0.80	0.81	0.81	0.82	0.83	0.83	0.84	0.85	0.85
180.0	0.82	0.82	0.83	0.83	0.84	0.85	0.85	0.86	0.87
202.5	0.80	0.81	0.82	0.82	0.83	0.84	0.84	0.85	0.86
225.0	0.80	0.80	0.81	0.82	0.82	0.83	0.84	0.84	0.85
247.5	0.80	0.80	0.81	0.81	0.82	0.83	0.83	0.84	0.85
270.0	0.64	0.64	0.65	0.65	0.65	0.65	0.65	0.65	0.66
292.5	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.65	0.65
315.0	0.64	0.64	0.65	0.65	0.65	0.65	0.66	0.66	0.66
337.5	0.66	0.66	0.66	0.66	0.67	0.67	0.67	0.67	0.68
360.0	0.67	0.67	0.67	0.68	0.68	0.68	0.68	0.68	0.68
C/γ(°)	153.0	153.5	154.0	154.5	155.0	155.5	156.0	156.5	157.0
0.0	0.69	0.69	0.69	0.69	0.70	0.70	0.70	0.70	0.70
22.5	0.68	0.68	0.68	0.69	0.69	0.69	0.69	0.69	0.70
45.0	0.66	0.67	0.67	0.67	0.67	0.68	0.68	0.68	0.68
67.5	0.65	0.66	0.66	0.66	0.66	0.67	0.67	0.67	0.67
90.0	0.84	0.85	0.85	0.86	0.87	0.87	0.88	0.88	0.89
112.5	0.85	0.86	0.86	0.87	0.88	0.88	0.89	0.89	0.90
135.0	0.85	0.86	0.87	0.87	0.88	0.88	0.89	0.90	0.90
157.5	0.86	0.86	0.87	0.88	0.88	0.89	0.89	0.90	0.91
180.0	0.87	0.88	0.89	0.89	0.90	0.90	0.91	0.91	0.92
202.5	0.86	0.87	0.88	0.88	0.89	0.90	0.90	0.91	0.91
225.0	0.86	0.86	0.87	0.88	0.88	0.89	0.89	0.90	0.91
247.5	0.85	0.86	0.87	0.87	0.88	0.88	0.89	0.90	0.90
270.0	0.66	0.66	0.66	0.66	0.67	0.67	0.67	0.67	0.67
292.5	0.65	0.66	0.66	0.66	0.66	0.67	0.67	0.67	0.67
315.0	0.66	0.67	0.67	0.67	0.68	0.68	0.68	0.68	0.68
337.5	0.68	0.68	0.68	0.69	0.69	0.69	0.69	0.69	0.70
360.0	0.69	0.69	0.69	0.69	0.70	0.70	0.70	0.70	0.70
C/γ(°)	157.5	158.0	158.5	159.0	159.5	160.0	160.5	161.0	161.5
0.0	0.70	0.70	0.71	0.71	0.71	0.71	0.72	0.72	0.72
22.5	0.70	0.70	0.70	0.70	0.70	0.71	0.71	0.71	0.72
45.0	0.68	0.68	0.68	0.69	0.69	0.69	0.69	0.70	0.70
67.5	0.67	0.67	0.67	0.67	0.67	0.68	0.68	0.68	0.68
90.0	0.90	0.90	0.91	0.91	0.92	0.93	0.93	0.94	0.95
112.5	0.90	0.91	0.92	0.92	0.93	0.94	0.94	0.95	0.95
135.0	0.91	0.91	0.92	0.93	0.93	0.94	0.95	0.95	0.96
157.5	0.91	0.92	0.92	0.93	0.94	0.94	0.95	0.96	0.96
180.0	0.93	0.93	0.94	0.95	0.95	0.96	0.96	0.97	0.98
202.5	0.92	0.93	0.93	0.94	0.95	0.95	0.96	0.96	0.97
225.0	0.91	0.92	0.93	0.93	0.94	0.95	0.95	0.96	0.97
247.5	0.91	0.92	0.92	0.93	0.94	0.94	0.95	0.96	0.96
270.0	0.67	0.67	0.67	0.68	0.68	0.68	0.68	0.69	0.69
292.5	0.67	0.67	0.68	0.68	0.68	0.69	0.69	0.69	0.70
315.0	0.69	0.69	0.69	0.69	0.70	0.70	0.70	0.71	0.71
337.5	0.70	0.70	0.70	0.70	0.71	0.71	0.71	0.71	0.72
360.0	0.70	0.70	0.71	0.71	0.71	0.71	0.72	0.72	0.72

## 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	0.72	0.73	0.73	0.73	0.73	0.74	0.74	0.75	0.75
22.5	0.72	0.72	0.73	0.73	0.73	0.74	0.74	0.74	0.75
45.0	0.70	0.71	0.71	0.71	0.72	0.72	0.73	0.73	0.73
67.5	0.69	0.69	0.69	0.70	0.70	0.70	0.71	0.71	0.72
90.0	0.95	0.96	0.96	0.97	0.97	0.97	0.98	0.98	0.98
112.5	0.96	0.97	0.97	0.98	0.98	0.98	0.99	0.99	0.99
135.0	0.96	0.97	0.98	0.98	0.98	0.99	0.99	0.99	1.00
157.5	0.97	0.98	0.98	0.98	0.99	0.99	0.99	0.99	1.00
180.0	0.98	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00
202.5	0.97	0.98	0.98	0.98	0.99	0.99	0.99	0.99	0.99
225.0	0.97	0.98	0.98	0.98	0.99	0.99	0.99	0.99	1.00
247.5	0.97	0.97	0.98	0.98	0.98	0.98	0.99	0.99	0.99
270.0	0.69	0.70	0.70	0.70	0.71	0.71	0.72	0.72	0.73
292.5	0.70	0.70	0.71	0.71	0.72	0.72	0.73	0.73	0.74
315.0	0.71	0.72	0.72	0.73	0.73	0.73	0.74	0.74	0.75
337.5	0.72	0.72	0.73	0.73	0.73	0.74	0.74	0.75	0.75
360.0	0.72	0.73	0.73	0.73	0.73	0.74	0.74	0.75	0.75
C/γ(°)	166.5	167.0	167.5	168.0	168.5	169.0	169.5	170.0	170.5
0.0	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.79
22.5	0.75	0.76	0.76	0.76	0.77	0.77	0.78	0.78	0.79
45.0	0.74	0.74	0.75	0.75	0.76	0.77	0.77	0.78	0.78
67.5	0.72	0.73	0.73	0.73	0.74	0.74	0.75	0.75	0.76
90.0	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
112.5	0.99	0.99	1.00	1.00	1.00	1.00	0.99	1.00	1.00
135.0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
157.5	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
180.0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
202.5	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
225.0	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99
247.5	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
270.0	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77
292.5	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78
315.0	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79
337.5	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79
360.0	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.79
C/γ(°)	171.0	171.5	172.0	172.5	173.0	173.5	174.0	174.5	175.0
0.0	0.79	0.79	0.80	0.80	0.80	0.80	0.81	0.81	0.81
22.5	0.79	0.79	0.80	0.80	0.80	0.81	0.81	0.81	0.82
45.0	0.78	0.79	0.79	0.79	0.80	0.80	0.80	0.81	0.81
67.5	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.80	0.80
90.0	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
112.5	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
135.0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
157.5	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99
180.0	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.98
202.5	0.99	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.97
225.0	0.99	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98
247.5	0.99	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.97
270.0	0.78	0.78	0.79	0.79	0.80	0.80	0.81	0.82	0.83
292.5	0.78	0.79	0.79	0.80	0.80	0.81	0.81	0.82	0.83
315.0	0.79	0.79	0.80	0.80	0.80	0.81	0.81	0.82	0.83
337.5	0.79	0.79	0.80	0.80	0.80	0.81	0.81	0.81	0.82
360.0	0.79	0.79	0.80	0.80	0.80	0.80	0.81	0.81	0.81

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**Intensity data(cd)**

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<b>C/γ(°)</b>	<b>175.5</b>	<b>176.0</b>	<b>176.5</b>	<b>177.0</b>	<b>177.5</b>	<b>178.0</b>	<b>178.5</b>	<b>179.0</b>	<b>179.5</b>
<b>0.0</b>	<b>0.82</b>	<b>0.83</b>	<b>0.83</b>	<b>0.85</b>	<b>0.86</b>	<b>0.87</b>	<b>0.88</b>	<b>0.89</b>	<b>0.90</b>
<b>22.5</b>	<b>0.82</b>	<b>0.83</b>	<b>0.84</b>	<b>0.85</b>	<b>0.86</b>	<b>0.87</b>	<b>0.88</b>	<b>0.89</b>	<b>0.90</b>
<b>45.0</b>	<b>0.82</b>	<b>0.83</b>	<b>0.84</b>	<b>0.85</b>	<b>0.86</b>	<b>0.87</b>	<b>0.88</b>	<b>0.90</b>	<b>0.91</b>
<b>67.5</b>	<b>0.81</b>	<b>0.82</b>	<b>0.83</b>	<b>0.84</b>	<b>0.85</b>	<b>0.86</b>	<b>0.88</b>	<b>0.89</b>	<b>0.90</b>
<b>90.0</b>	<b>0.99</b>	<b>0.99</b>	<b>0.98</b>	<b>0.98</b>	<b>0.97</b>	<b>0.97</b>	<b>0.96</b>	<b>0.96</b>	<b>0.96</b>
<b>112.5</b>	<b>1.00</b>	<b>1.00</b>	<b>0.99</b>	<b>0.99</b>	<b>0.98</b>	<b>0.98</b>	<b>0.97</b>	<b>0.97</b>	<b>0.96</b>
<b>135.0</b>	<b>1.00</b>	<b>0.99</b>	<b>0.99</b>	<b>0.98</b>	<b>0.98</b>	<b>0.97</b>	<b>0.97</b>	<b>0.96</b>	<b>0.96</b>
<b>157.5</b>	<b>0.98</b>	<b>0.98</b>	<b>0.97</b>	<b>0.97</b>	<b>0.96</b>	<b>0.96</b>	<b>0.95</b>	<b>0.95</b>	<b>0.94</b>
<b>180.0</b>	<b>0.98</b>	<b>0.97</b>	<b>0.97</b>	<b>0.96</b>	<b>0.96</b>	<b>0.95</b>	<b>0.95</b>	<b>0.94</b>	<b>0.93</b>
<b>202.5</b>	<b>0.97</b>	<b>0.96</b>	<b>0.96</b>	<b>0.95</b>	<b>0.95</b>	<b>0.94</b>	<b>0.94</b>	<b>0.93</b>	<b>0.92</b>
<b>225.0</b>	<b>0.97</b>	<b>0.96</b>	<b>0.96</b>	<b>0.95</b>	<b>0.95</b>	<b>0.95</b>	<b>0.94</b>	<b>0.94</b>	<b>0.93</b>
<b>247.5</b>	<b>0.97</b>	<b>0.96</b>	<b>0.96</b>	<b>0.96</b>	<b>0.95</b>	<b>0.95</b>	<b>0.95</b>	<b>0.94</b>	<b>0.93</b>
<b>270.0</b>	<b>0.84</b>	<b>0.85</b>	<b>0.87</b>	<b>0.88</b>	<b>0.89</b>	<b>0.91</b>	<b>0.92</b>	<b>0.93</b>	<b>0.95</b>
<b>292.5</b>	<b>0.84</b>	<b>0.85</b>	<b>0.86</b>	<b>0.87</b>	<b>0.89</b>	<b>0.90</b>	<b>0.91</b>	<b>0.93</b>	<b>0.94</b>
<b>315.0</b>	<b>0.84</b>	<b>0.85</b>	<b>0.86</b>	<b>0.87</b>	<b>0.88</b>	<b>0.89</b>	<b>0.91</b>	<b>0.92</b>	<b>0.93</b>
<b>337.5</b>	<b>0.83</b>	<b>0.84</b>	<b>0.85</b>	<b>0.86</b>	<b>0.87</b>	<b>0.88</b>	<b>0.90</b>	<b>0.91</b>	<b>0.92</b>
<b>360.0</b>	<b>0.82</b>	<b>0.83</b>	<b>0.83</b>	<b>0.85</b>	<b>0.86</b>	<b>0.87</b>	<b>0.88</b>	<b>0.89</b>	<b>0.90</b>

<b>C/γ(°)</b>	<b>180.0</b>
<b>0.0</b>	<b>0.92</b>
<b>22.5</b>	<b>0.92</b>
<b>45.0</b>	<b>0.92</b>
<b>67.5</b>	<b>0.92</b>
<b>90.0</b>	<b>0.91</b>
<b>112.5</b>	<b>0.92</b>
<b>135.0</b>	<b>0.91</b>
<b>157.5</b>	<b>0.91</b>
<b>180.0</b>	<b>0.92</b>
<b>202.5</b>	<b>0.92</b>
<b>225.0</b>	<b>0.92</b>
<b>247.5</b>	<b>0.92</b>
<b>270.0</b>	<b>0.92</b>
<b>292.5</b>	<b>0.92</b>
<b>315.0</b>	<b>0.92</b>
<b>337.5</b>	<b>0.92</b>
<b>360.0</b>	<b>0.92</b>