

Report No	:		Voltage	:	V
Test No	:	A2407188A001	Current	:	A
LumCAT	:	LIT by CARDI	Power	:	16.000 W
Luminaire	:	0028920235 16W 4000K 2250lm PF		:	
LampCAT	:		Ballast type	:	
Lamp flux	:	2250.0 lm	Width	:	60 mm
Number of Lamps	:	1	Length	:	564 mm
Phm Type	:	C	Height	:	26 mm

Photometric Results

Lumens(lm)	:	2250.00	Central intensity(cd)	:	600.255
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	600.763
Luminous Efficacy(lm/W)	:	140.63	Angle of maximum intensity	:	C=60.0 γ =1.0
Beam Angle(50%Imax)	:	[C0/180]Total=134.0 [C90/270]Total=109.6			
Field angle(10%Imax)	:	[C0/180]Total=256.0 [C90/270]Total=158.8			
Maximum s/h(1/2)	:	C0_180=1.33 C90_270=1.24			
Maximum s/h(1/4)	:	C0_180=1.47 C90_270=1.35			
Up flux rate of lamp(%)	:	11.57%			
Down flux rate of lamp(%)	:	88.43%			
Up flux rate of LUM(%)	:	11.57%			
Down flux rate of LUM(%)	:	88.43%			
CIE Type	:	Semidirect lighting			
Output flux ratio in π solid angle :	:	62.878%			

Zonal flux distribution table

Appendix Page: 2 Total:29

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	600.255	0.000	0	0.00%	0.00%
0.5	600.255	0.144	0.144	0.01%	0.01%
1.0	600.255	0.431	0.574	0.02%	0.03%
1.5	599.979	0.718	1.292	0.03%	0.06%
2.0	599.874	1.005	2.297	0.04%	0.10%
2.5	599.450	1.291	3.588	0.06%	0.16%
3.0	599.217	1.577	5.164	0.07%	0.23%
3.5	598.899	1.862	7.026	0.08%	0.31%
4.0	598.539	2.147	9.174	0.10%	0.41%
4.5	598.200	2.431	11.605	0.11%	0.52%
5.0	597.522	2.715	14.32	0.12%	0.64%
5.5	597.120	2.997	17.316	0.13%	0.77%
6.0	596.463	3.278	20.595	0.15%	0.92%
6.5	595.912	3.559	24.154	0.16%	1.07%
7.0	595.362	3.839	27.992	0.17%	1.24%
7.5	594.705	4.117	32.11	0.18%	1.43%
8.0	593.858	4.394	36.504	0.20%	1.62%
8.5	593.116	4.669	41.173	0.21%	1.83%
9.0	592.312	4.944	46.117	0.22%	2.05%
9.5	591.379	5.216	51.334	0.23%	2.28%
10.0	590.426	5.487	56.82	0.24%	2.53%
10.5	589.452	5.756	62.576	0.26%	2.78%
11.0	588.583	6.024	68.6	0.27%	3.05%
11.5	587.419	6.290	74.89	0.28%	3.33%
12.0	586.359	6.553	81.443	0.29%	3.62%
12.5	585.258	6.815	88.259	0.30%	3.92%
13.0	584.072	7.075	95.334	0.31%	4.24%
13.5	582.780	7.332	102.666	0.33%	4.56%
14.0	581.381	7.586	110.252	0.34%	4.90%
14.5	580.089	7.838	118.09	0.35%	5.25%
15.0	578.882	8.090	126.179	0.36%	5.61%
15.5	577.251	8.337	134.516	0.37%	5.98%
16.0	576.086	8.583	143.099	0.38%	6.36%
16.5	574.582	8.828	151.927	0.39%	6.75%
17.0	572.824	9.066	160.992	0.40%	7.16%
17.5	571.151	9.300	170.293	0.41%	7.57%
18.0	569.435	9.533	179.826	0.42%	7.99%
18.5	567.867	9.764	189.59	0.43%	8.43%

Zonal flux distribution table

Appendix Page: 3 Total:29

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
19.0	566.342	9.995	199.585	0.44%	8.87%
19.5	564.500	10.221	209.807	0.45%	9.32%
20.0	562.297	10.439	220.245	0.46%	9.79%
20.5	560.729	10.656	230.902	0.47%	10.26%
21.0	558.865	10.875	241.776	0.48%	10.75%
21.5	556.705	11.085	252.861	0.49%	11.24%
22.0	554.586	11.290	264.151	0.50%	11.74%
22.5	552.701	11.495	275.645	0.51%	12.25%
23.0	550.837	11.700	287.345	0.52%	12.77%
23.5	548.592	11.898	299.243	0.53%	13.30%
24.0	546.537	12.092	311.335	0.54%	13.84%
24.5	544.186	12.282	323.616	0.55%	14.38%
25.0	542.216	12.469	336.086	0.55%	14.94%
25.5	539.568	12.651	348.737	0.56%	15.50%
26.0	537.302	12.826	361.563	0.57%	16.07%
26.5	535.332	13.006	374.569	0.58%	16.65%
27.0	532.684	13.179	387.748	0.59%	17.23%
27.5	530.036	13.340	401.088	0.59%	17.83%
28.0	527.621	13.501	414.589	0.60%	18.43%
28.5	525.313	13.663	428.253	0.61%	19.03%
29.0	523.067	13.824	442.077	0.61%	19.65%
29.5	520.314	13.977	456.054	0.62%	20.27%
30.0	517.137	14.113	470.168	0.63%	20.90%
30.5	515.506	14.262	484.43	0.63%	21.53%
31.0	511.883	14.401	498.831	0.64%	22.17%
31.5	509.723	14.530	513.361	0.65%	22.82%
32.0	506.821	14.665	528.026	0.65%	23.47%
32.5	503.813	14.785	542.81	0.66%	24.12%
33.0	500.742	14.899	557.709	0.66%	24.79%
33.5	498.243	15.016	572.726	0.67%	25.45%
34.0	495.828	15.141	587.866	0.67%	26.13%
34.5	492.269	15.246	603.112	0.68%	26.80%
35.0	489.600	15.343	618.456	0.68%	27.49%
35.5	485.851	15.434	633.89	0.69%	28.17%
36.0	483.563	15.528	649.418	0.69%	28.86%
36.5	480.259	15.625	665.042	0.69%	29.56%
37.0	477.060	15.703	680.745	0.70%	30.26%
37.5	473.586	15.775	696.521	0.70%	30.96%

Zonal flux distribution table

Appendix Page: 4 Total:29

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	470.918	15.853	712.374	0.70%	31.66%
38.5	467.804	15.933	728.306	0.71%	32.37%
39.0	464.563	15.999	744.306	0.71%	33.08%
39.5	461.936	16.071	760.377	0.71%	33.79%
40.0	457.488	16.118	776.495	0.72%	34.51%
40.5	455.095	16.165	792.66	0.72%	35.23%
41.0	450.964	16.215	808.875	0.72%	35.95%
41.5	447.914	16.248	825.123	0.72%	36.67%
42.0	445.330	16.307	841.43	0.72%	37.40%
42.5	441.305	16.344	857.773	0.73%	38.12%
43.0	437.471	16.354	874.127	0.73%	38.85%
43.5	433.849	16.367	890.494	0.73%	39.58%
44.0	431.032	16.397	906.891	0.73%	40.31%
44.5	426.965	16.414	923.304	0.73%	41.04%
45.0	424.148	16.427	939.732	0.73%	41.77%
45.5	419.234	16.421	956.152	0.73%	42.50%
46.0	417.179	16.425	972.578	0.73%	43.23%
46.5	412.773	16.436	989.014	0.73%	43.96%
47.0	409.426	16.418	1005.432	0.73%	44.69%
47.5	404.830	16.392	1021.825	0.73%	45.41%
48.0	402.161	16.377	1038.201	0.73%	46.14%
48.5	398.136	16.369	1054.57	0.73%	46.87%
49.0	394.345	16.335	1070.905	0.73%	47.60%
49.5	391.316	16.317	1087.222	0.73%	48.32%
50.0	386.825	16.282	1103.504	0.72%	49.04%
50.5	383.458	16.236	1119.74	0.72%	49.77%
51.0	378.734	16.182	1135.922	0.72%	50.49%
51.5	375.811	16.133	1152.055	0.72%	51.20%
52.0	371.638	16.092	1168.147	0.72%	51.92%
52.5	367.613	16.025	1184.172	0.71%	52.63%
53.0	363.334	15.951	1200.123	0.71%	53.34%
53.5	359.903	15.887	1216.011	0.71%	54.04%
54.0	356.683	15.843	1231.854	0.70%	54.75%
54.5	351.409	15.755	1247.609	0.70%	55.45%
55.0	348.316	15.666	1263.274	0.70%	56.15%
55.5	343.529	15.584	1278.859	0.69%	56.84%
56.0	340.521	15.502	1294.36	0.69%	57.53%
56.5	335.480	15.410	1309.77	0.68%	58.21%

Zonal flux distribution table

Appendix Page: 5 Total:29

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
57.0	332.409	15.313	1325.083	0.68%	58.89%
57.5	328.130	15.230	1340.313	0.68%	59.57%
58.0	323.936	15.119	1355.432	0.67%	60.24%
58.5	319.466	15.000	1370.431	0.67%	60.91%
59.0	315.230	14.876	1385.307	0.66%	61.57%
59.5	311.947	14.777	1400.084	0.66%	62.23%
60.0	307.075	14.660	1414.744	0.65%	62.88%
60.5	303.792	14.540	1429.284	0.65%	63.52%
61.0	298.115	14.398	1443.682	0.64%	64.16%
61.5	295.637	14.271	1457.953	0.63%	64.80%
62.0	289.748	14.137	1472.09	0.63%	65.43%
62.5	286.634	13.984	1486.074	0.62%	66.05%
63.0	281.403	13.845	1499.919	0.62%	66.66%
63.5	277.717	13.688	1513.607	0.61%	67.27%
64.0	273.692	13.558	1527.165	0.60%	67.87%
64.5	269.350	13.409	1540.575	0.60%	68.47%
65.0	265.940	13.273	1553.848	0.59%	69.06%
65.5	260.835	13.115	1566.963	0.58%	69.64%
66.0	256.959	12.943	1579.906	0.58%	70.22%
66.5	251.706	12.764	1592.67	0.57%	70.79%
67.0	248.507	12.600	1605.27	0.56%	71.35%
67.5	243.974	12.451	1617.721	0.55%	71.90%
68.0	239.462	12.267	1629.988	0.55%	72.44%
68.5	234.760	12.075	1642.064	0.54%	72.98%
69.0	231.053	11.902	1653.966	0.53%	73.51%
69.5	227.007	11.743	1665.709	0.52%	74.03%
70.0	221.966	11.548	1677.257	0.51%	74.54%
70.5	218.005	11.352	1688.61	0.50%	75.05%
71.0	213.493	11.168	1699.778	0.50%	75.55%
71.5	210.401	11.005	1710.782	0.49%	76.03%
72.0	205.126	10.819	1721.601	0.48%	76.52%
72.5	201.335	10.613	1732.214	0.47%	76.99%
73.0	197.458	10.441	1742.655	0.46%	77.45%
73.5	192.523	10.238	1752.893	0.46%	77.91%
74.0	188.604	10.031	1762.925	0.45%	78.35%
74.5	184.326	9.840	1772.765	0.44%	78.79%
75.0	181.148	9.667	1782.432	0.43%	79.22%
75.5	176.277	9.476	1791.908	0.42%	79.64%

Zonal flux distribution table

Appendix Page: 6 Total:29

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	173.205	9.286	1801.194	0.41%	80.05%
76.5	167.677	9.078	1810.272	0.40%	80.46%
77.0	165.410	8.889	1819.16	0.40%	80.85%
77.5	160.538	8.716	1827.876	0.39%	81.24%
78.0	157.086	8.510	1836.386	0.38%	81.62%
78.5	152.404	8.307	1844.693	0.37%	81.99%
79.0	149.079	8.106	1852.799	0.36%	82.35%
79.5	145.584	7.937	1860.736	0.35%	82.70%
80.0	141.750	7.752	1868.487	0.34%	83.04%
80.5	139.060	7.587	1876.075	0.34%	83.38%
81.0	134.548	7.404	1883.478	0.33%	83.71%
81.5	131.434	7.207	1890.685	0.32%	84.03%
82.0	127.685	7.030	1897.716	0.31%	84.34%
82.5	124.847	6.860	1904.576	0.30%	84.65%
83.0	121.309	6.695	1911.27	0.30%	84.95%
83.5	118.471	6.528	1917.798	0.29%	85.24%
84.0	114.870	6.359	1924.158	0.28%	85.52%
84.5	112.561	6.204	1930.361	0.28%	85.79%
85.0	109.680	6.067	1936.429	0.27%	86.06%
85.5	106.101	5.895	1942.324	0.26%	86.33%
86.0	104.406	5.755	1948.079	0.26%	86.58%
86.5	101.441	5.631	1953.711	0.25%	86.83%
87.0	99.449	5.499	1959.209	0.24%	87.08%
87.5	96.505	5.366	1964.575	0.24%	87.31%
88.0	94.874	5.243	1969.818	0.23%	87.55%
88.5	92.523	5.135	1974.953	0.23%	87.78%
89.0	90.722	5.023	1979.976	0.22%	88.00%
89.5	88.731	4.919	1984.895	0.22%	88.22%
90.0	86.677	4.809	1989.704	0.21%	88.43%
90.5	85.491	4.720	1994.424	0.21%	88.64%
91.0	83.394	4.630	1999.053	0.21%	88.85%
91.5	82.313	4.542	2003.595	0.20%	89.05%
92.0	80.343	4.457	2008.053	0.20%	89.25%
92.5	79.284	4.373	2012.425	0.19%	89.44%
93.0	77.738	4.300	2016.725	0.19%	89.63%
93.5	76.700	4.227	2020.952	0.19%	89.82%
94.0	75.259	4.157	2025.11	0.18%	90.00%
94.5	73.989	4.080	2029.19	0.18%	90.19%

Zonal flux distribution table

Appendix Page: 7 Total:29

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
95.0	73.162	4.020	2033.21	0.18%	90.36%
95.5	71.849	3.959	2037.169	0.18%	90.54%
96.0	71.235	3.903	2041.072	0.17%	90.71%
96.5	69.922	3.847	2044.919	0.17%	90.89%
97.0	68.990	3.782	2048.701	0.17%	91.05%
97.5	68.100	3.728	2052.429	0.17%	91.22%
98.0	67.380	3.680	2056.11	0.16%	91.38%
98.5	66.384	3.629	2059.739	0.16%	91.54%
99.0	65.474	3.573	2063.312	0.16%	91.70%
99.5	64.690	3.522	2066.834	0.16%	91.86%
100.0	63.843	3.473	2070.307	0.15%	92.01%
100.5	63.292	3.430	2073.737	0.15%	92.17%
101.0	62.339	3.384	2077.12	0.15%	92.32%
101.5	61.809	3.338	2080.459	0.15%	92.46%
102.0	61.004	3.296	2083.755	0.15%	92.61%
102.5	60.347	3.251	2087.006	0.14%	92.76%
103.0	59.670	3.209	2090.215	0.14%	92.90%
103.5	59.055	3.168	2093.384	0.14%	93.04%
104.0	58.399	3.128	2096.511	0.14%	93.18%
104.5	57.742	3.086	2099.597	0.14%	93.32%
105.0	57.170	3.047	2102.644	0.14%	93.45%
105.5	56.429	3.005	2105.649	0.13%	93.58%
106.0	56.175	2.971	2108.62	0.13%	93.72%
106.5	55.285	2.934	2111.554	0.13%	93.85%
107.0	54.671	2.887	2114.44	0.13%	93.98%
107.5	54.078	2.847	2117.287	0.13%	94.10%
108.0	53.485	2.808	2120.096	0.12%	94.23%
108.5	52.976	2.772	2122.868	0.12%	94.35%
109.0	52.362	2.735	2125.602	0.12%	94.47%
109.5	51.832	2.697	2128.299	0.12%	94.59%
110.0	51.239	2.660	2130.959	0.12%	94.71%
110.5	50.816	2.625	2133.584	0.12%	94.83%
111.0	50.138	2.588	2136.172	0.12%	94.94%
111.5	49.820	2.554	2138.726	0.11%	95.05%
112.0	49.142	2.520	2141.246	0.11%	95.17%
112.5	48.549	2.479	2143.725	0.11%	95.28%
113.0	48.041	2.442	2146.167	0.11%	95.39%
113.5	47.554	2.408	2148.575	0.11%	95.49%

Zonal flux distribution table

Appendix Page: 8 Total:29

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	46.982	2.372	2150.947	0.11%	95.60%
114.5	46.410	2.334	2153.281	0.10%	95.70%
115.0	45.902	2.298	2155.58	0.10%	95.80%
115.5	45.372	2.263	2157.843	0.10%	95.90%
116.0	44.906	2.229	2160.072	0.10%	96.00%
116.5	44.271	2.193	2162.265	0.10%	96.10%
117.0	43.804	2.156	2164.421	0.10%	96.20%
117.5	43.233	2.121	2166.542	0.09%	96.29%
118.0	42.703	2.085	2168.627	0.09%	96.38%
118.5	42.173	2.050	2170.677	0.09%	96.47%
119.0	41.750	2.017	2172.694	0.09%	96.56%
119.5	41.220	1.985	2174.679	0.09%	96.65%
120.0	40.712	1.950	2176.629	0.09%	96.74%
120.5	40.267	1.918	2178.547	0.09%	96.82%
121.0	39.674	1.883	2180.43	0.08%	96.91%
121.5	39.356	1.852	2182.282	0.08%	96.99%
122.0	38.763	1.821	2184.104	0.08%	97.07%
122.5	38.255	1.786	2185.889	0.08%	97.15%
123.0	37.810	1.754	2187.643	0.08%	97.23%
123.5	37.386	1.724	2189.367	0.08%	97.31%
124.0	36.920	1.694	2191.061	0.08%	97.38%
124.5	36.412	1.662	2192.723	0.07%	97.45%
125.0	35.988	1.631	2194.354	0.07%	97.53%
125.5	35.501	1.601	2195.954	0.07%	97.60%
126.0	35.120	1.571	2197.526	0.07%	97.67%
126.5	34.569	1.541	2199.066	0.07%	97.74%
127.0	34.145	1.509	2200.576	0.07%	97.80%
127.5	33.658	1.480	2202.055	0.07%	97.87%
128.0	33.171	1.449	2203.504	0.06%	97.93%
128.5	32.790	1.420	2204.924	0.06%	98.00%
129.0	32.281	1.391	2206.316	0.06%	98.06%
129.5	31.794	1.360	2207.676	0.06%	98.12%
130.0	31.265	1.329	2209.005	0.06%	98.18%
130.5	30.735	1.297	2210.302	0.06%	98.24%
131.0	30.184	1.265	2211.568	0.06%	98.29%
131.5	29.867	1.238	2212.805	0.06%	98.35%
132.0	29.316	1.210	2214.016	0.05%	98.40%
132.5	28.935	1.182	2215.198	0.05%	98.45%

Zonal flux distribution table

Appendix Page: 9 Total:29

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
133.0	28.490	1.156	2216.354	0.05%	98.50%
133.5	28.003	1.128	2217.482	0.05%	98.55%
134.0	27.600	1.101	2218.583	0.05%	98.60%
134.5	27.219	1.077	2219.66	0.05%	98.65%
135.0	26.732	1.050	2220.71	0.05%	98.70%
135.5	26.414	1.026	2221.736	0.05%	98.74%
136.0	26.033	1.003	2222.739	0.04%	98.79%
136.5	25.588	0.979	2223.718	0.04%	98.83%
137.0	25.228	0.955	2224.672	0.04%	98.87%
137.5	24.868	0.932	2225.605	0.04%	98.92%
138.0	24.465	0.909	2226.514	0.04%	98.96%
138.5	24.105	0.887	2227.401	0.04%	99.00%
139.0	23.809	0.866	2228.267	0.04%	99.03%
139.5	23.385	0.845	2229.111	0.04%	99.07%
140.0	22.961	0.821	2229.932	0.04%	99.11%
140.5	22.622	0.799	2230.731	0.04%	99.14%
141.0	22.199	0.777	2231.509	0.03%	99.18%
141.5	21.945	0.758	2232.266	0.03%	99.21%
142.0	21.436	0.736	2233.003	0.03%	99.24%
142.5	21.140	0.715	2233.717	0.03%	99.28%
143.0	20.759	0.695	2234.413	0.03%	99.31%
143.5	20.314	0.674	2235.086	0.03%	99.34%
144.0	19.911	0.652	2235.738	0.03%	99.37%
144.5	19.593	0.633	2236.371	0.03%	99.39%
145.0	19.234	0.614	2236.985	0.03%	99.42%
145.5	18.810	0.594	2237.58	0.03%	99.45%
146.0	18.492	0.576	2238.156	0.03%	99.47%
146.5	18.047	0.557	2238.712	0.02%	99.50%
147.0	17.835	0.539	2239.251	0.02%	99.52%
147.5	17.348	0.522	2239.773	0.02%	99.55%
148.0	17.094	0.504	2240.277	0.02%	99.57%
148.5	16.692	0.487	2240.765	0.02%	99.59%
149.0	16.374	0.470	2241.235	0.02%	99.61%
149.5	16.014	0.454	2241.689	0.02%	99.63%
150.0	15.653	0.437	2242.126	0.02%	99.65%
150.5	15.294	0.421	2242.547	0.02%	99.67%
151.0	14.912	0.405	2242.952	0.02%	99.69%
151.5	14.679	0.390	2243.342	0.02%	99.70%

Zonal flux distribution table

Appendix Page: 10 Total:29

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	14.255	0.375	2243.717	0.02%	99.72%
152.5	14.022	0.361	2244.078	0.02%	99.74%
153.0	13.577	0.346	2244.425	0.02%	99.75%
153.5	13.281	0.331	2244.756	0.01%	99.77%
154.0	12.857	0.317	2245.073	0.01%	99.78%
154.5	12.603	0.303	2245.376	0.01%	99.79%
155.0	12.243	0.291	2245.667	0.01%	99.81%
155.5	11.841	0.276	2245.943	0.01%	99.82%
156.0	11.544	0.263	2246.207	0.01%	99.83%
156.5	11.099	0.250	2246.457	0.01%	99.84%
157.0	10.909	0.238	2246.695	0.01%	99.85%
157.5	10.464	0.227	2246.922	0.01%	99.86%
158.0	10.167	0.214	2247.136	0.01%	99.87%
158.5	9.913	0.204	2247.34	0.01%	99.88%
159.0	9.638	0.194	2247.534	0.01%	99.89%
159.5	9.320	0.184	2247.718	0.01%	99.90%
160.0	9.023	0.174	2247.892	0.01%	99.91%
160.5	8.706	0.164	2248.056	0.01%	99.91%
161.0	8.346	0.154	2248.21	0.01%	99.92%
161.5	8.134	0.145	2248.356	0.01%	99.93%
162.0	7.774	0.137	2248.492	0.01%	99.93%
162.5	7.605	0.129	2248.621	0.01%	99.94%
163.0	7.223	0.121	2248.741	0.01%	99.94%
163.5	7.033	0.113	2248.854	0.01%	99.95%
164.0	6.651	0.105	2248.959	0.00%	99.95%
164.5	6.376	0.097	2249.056	0.00%	99.96%
165.0	6.100	0.090	2249.146	0.00%	99.96%
165.5	5.846	0.083	2249.229	0.00%	99.97%
166.0	5.550	0.077	2249.306	0.00%	99.97%
166.5	5.232	0.070	2249.376	0.00%	99.97%
167.0	5.189	0.065	2249.442	0.00%	99.98%
167.5	4.808	0.060	2249.502	0.00%	99.98%
168.0	4.702	0.055	2249.558	0.00%	99.98%
168.5	4.406	0.051	2249.609	0.00%	99.98%
169.0	4.152	0.046	2249.654	0.00%	99.98%
169.5	3.940	0.041	2249.696	0.00%	99.99%
170.0	3.728	0.037	2249.733	0.00%	99.99%
170.5	3.622	0.034	2249.767	0.00%	99.99%

Zonal flux distribution table

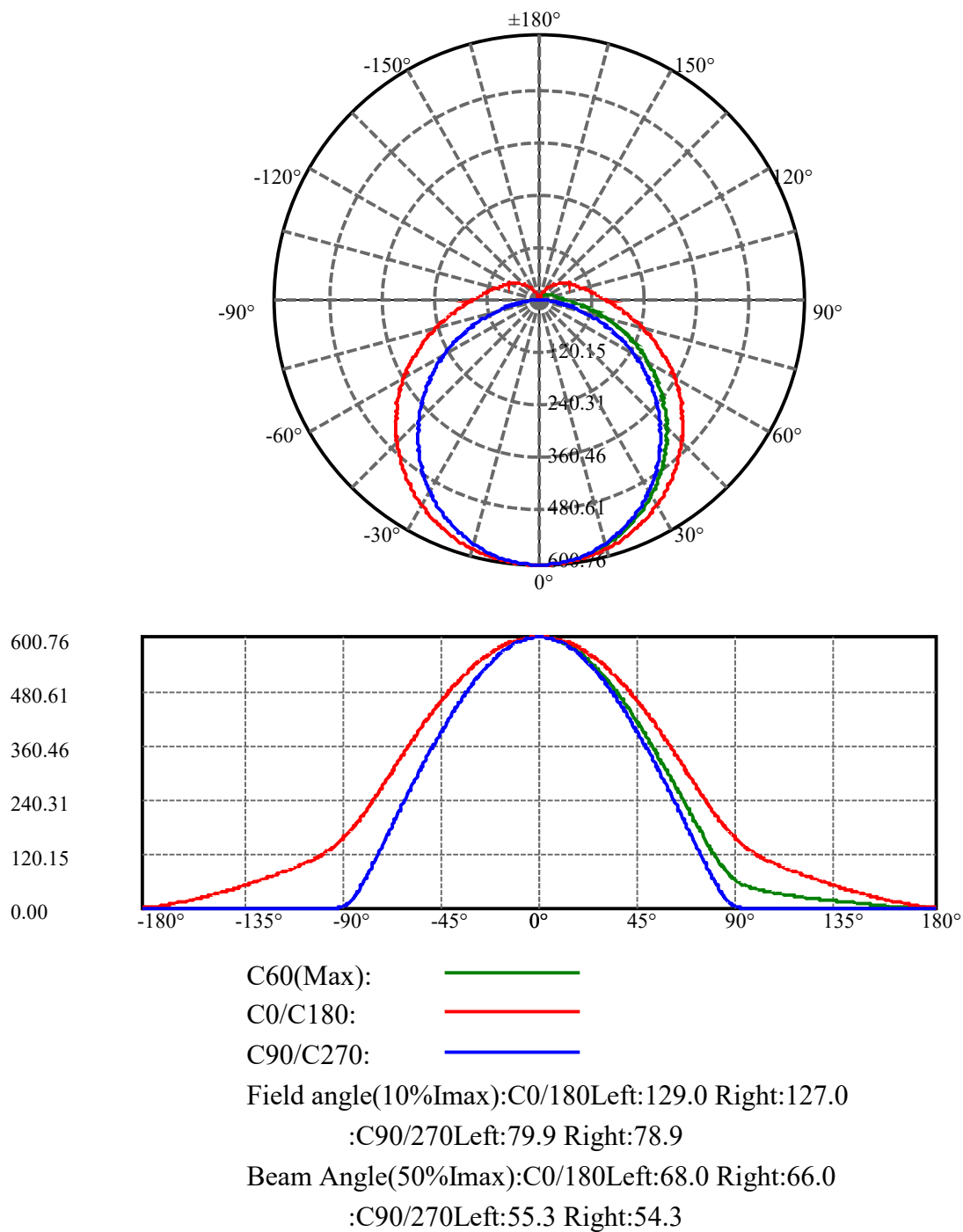
Appendix Page: 11 Total:29

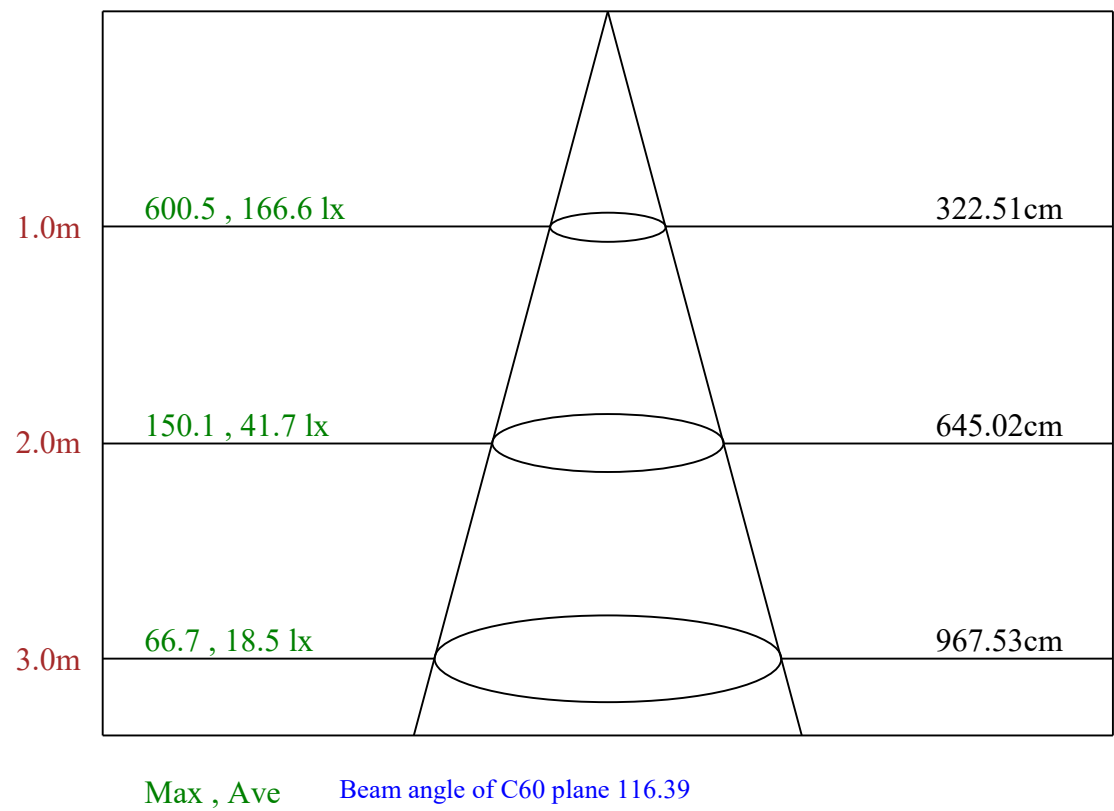
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
171.0	3.453	0.031	2249.798	0.00%	99.99%
171.5	3.347	0.028	2249.827	0.00%	99.99%
172.0	3.093	0.025	2249.852	0.00%	99.99%
172.5	3.008	0.023	2249.875	0.00%	99.99%
173.0	2.775	0.020	2249.895	0.00%	100.00%
173.5	2.690	0.018	2249.912	0.00%	100.00%
174.0	2.563	0.016	2249.928	0.00%	100.00%
174.5	2.394	0.014	2249.942	0.00%	100.00%
175.0	2.267	0.012	2249.953	0.00%	100.00%
175.5	2.140	0.010	2249.963	0.00%	100.00%
176.0	2.055	0.009	2249.972	0.00%	100.00%
176.5	1.949	0.007	2249.979	0.00%	100.00%
177.0	1.885	0.006	2249.985	0.00%	100.00%
177.5	1.801	0.005	2249.99	0.00%	100.00%
178.0	1.780	0.004	2249.994	0.00%	100.00%
178.5	1.652	0.003	2249.997	0.00%	100.00%
179.0	1.652	0.002	2249.998	0.00%	100.00%
179.5	1.504	0.001	2250	0.00%	100.00%
180.0	1.419	0.000	2250	0.00%	100.00%

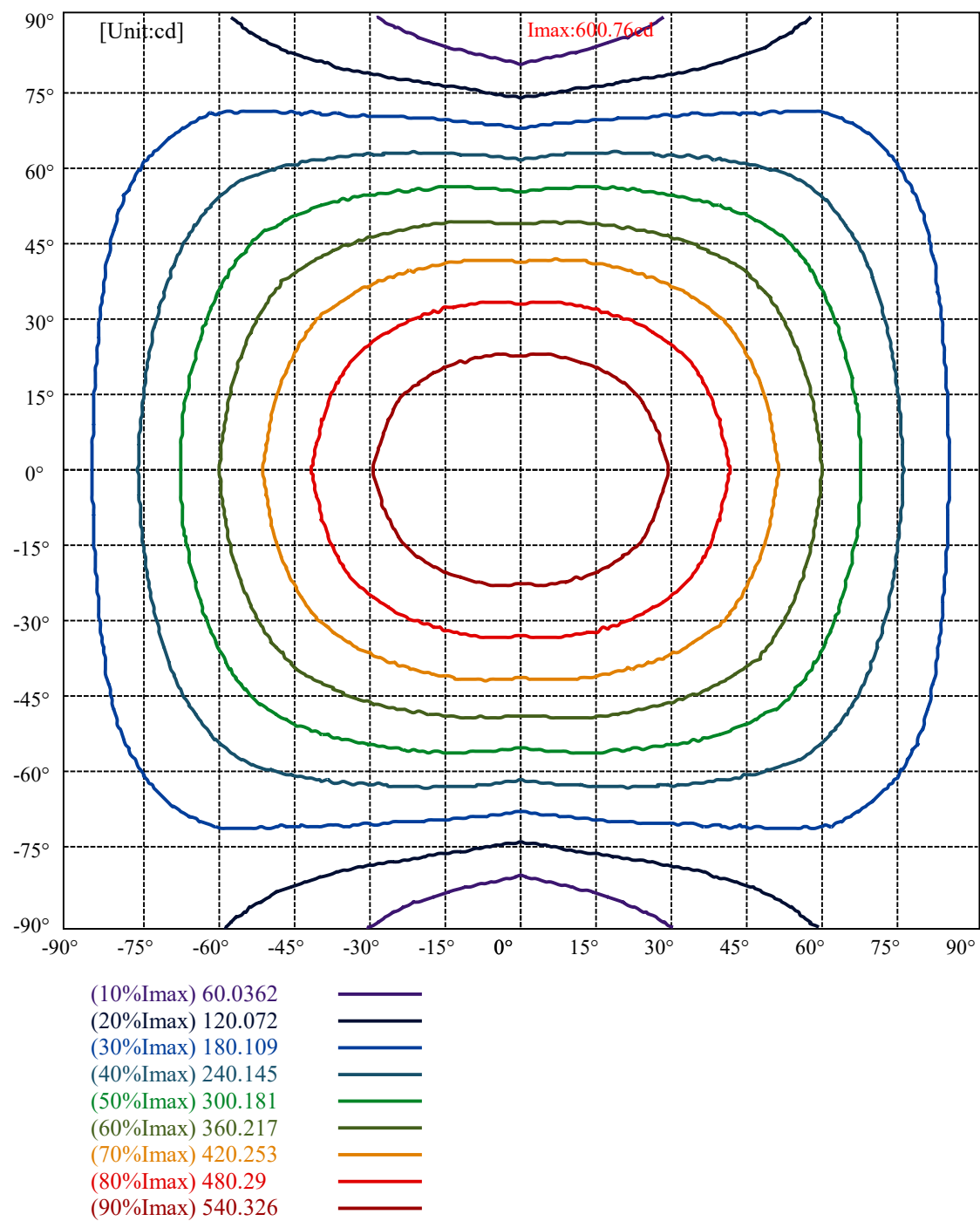
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	470.17	20.90%	20.90%
0-40	776.49	34.51%	34.51%
0-60	1414.74	62.88%	62.88%
0-90	1989.70	88.43%	88.43%
0-120	2176.63	96.74%	96.74%
0-180	2250.00	100.00%	100.00%
60-90	574.96	25.55%	25.55%
90-120	186.93	8.31%	8.31%
90-130	219.30	9.75%	9.75%
90-150	252.42	11.22%	11.22%
90-180	260.30	11.57%	11.57%
0-75.94	1800.00	80.00%	80.00%

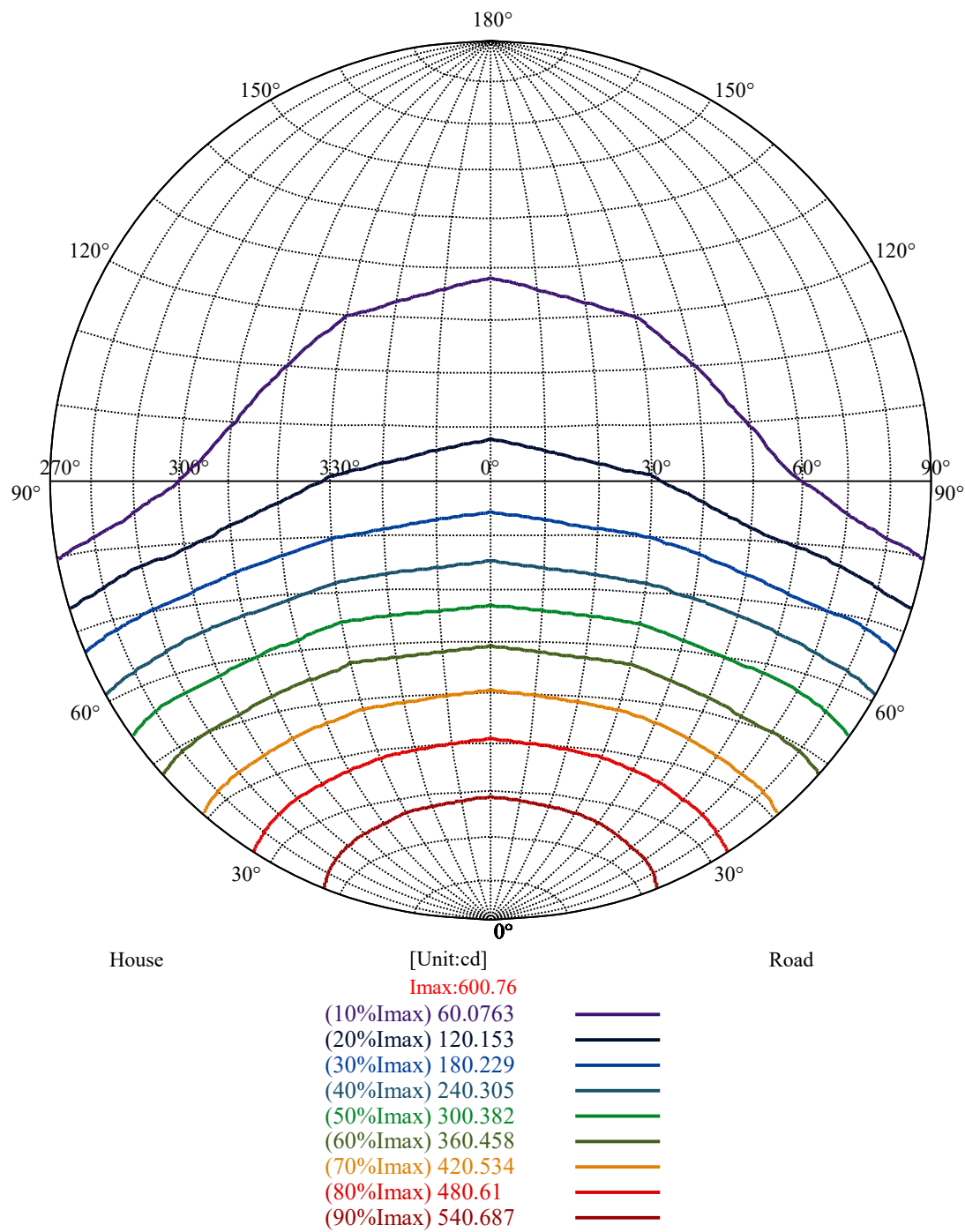
ZONAL LUMEN SUMMARY

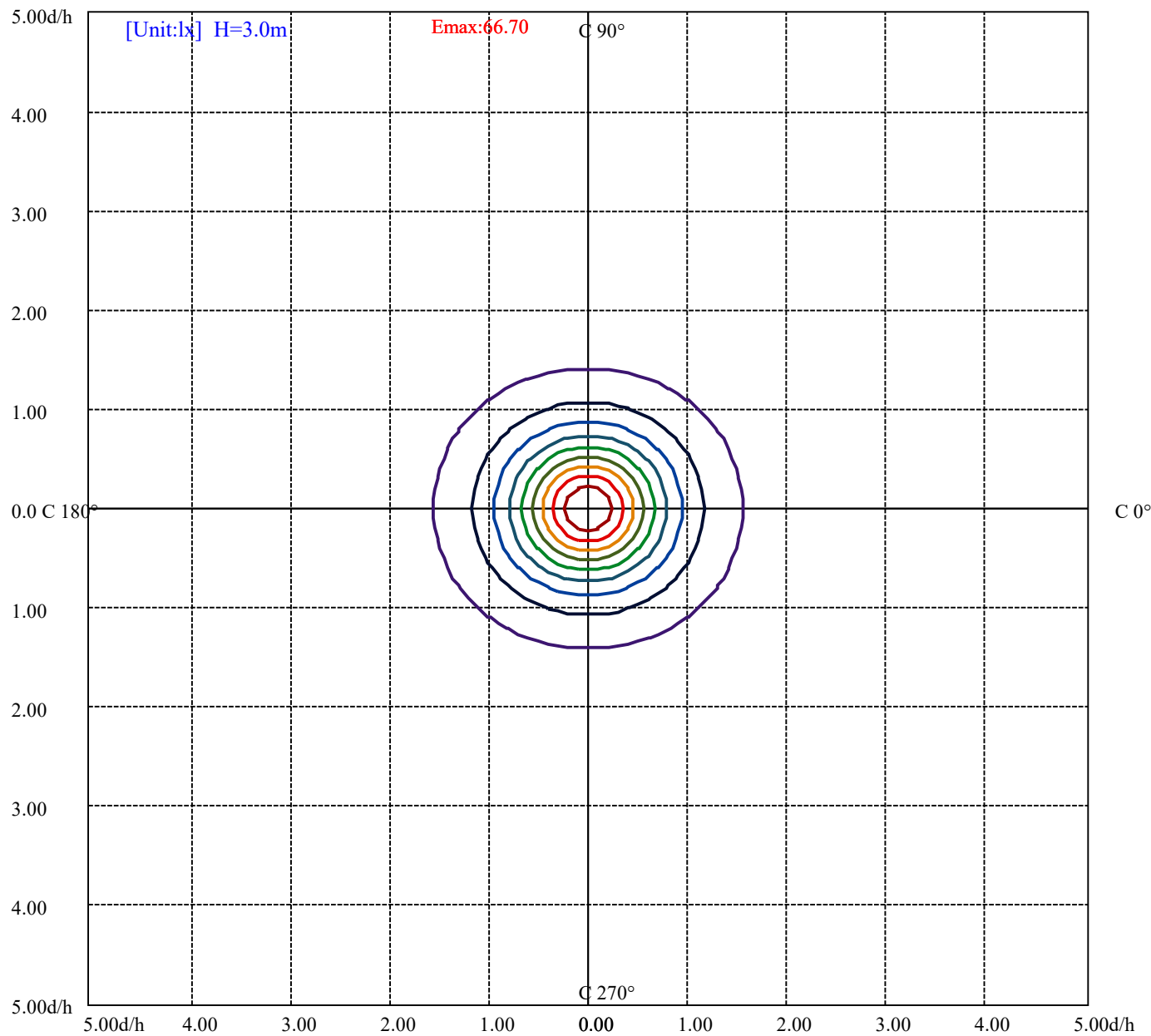
0-10	56.82
10-20	163.42
20-30	249.92
30-40	306.33
40-50	327.01
50-60	311.24
60-70	262.51
70-80	191.23
80-90	121.22
90-100	80.60
100-110	60.65
110-120	45.67
120-130	32.38
130-140	20.93
140-150	12.19
150-160	5.77
160-170	1.84
170-180	0.27



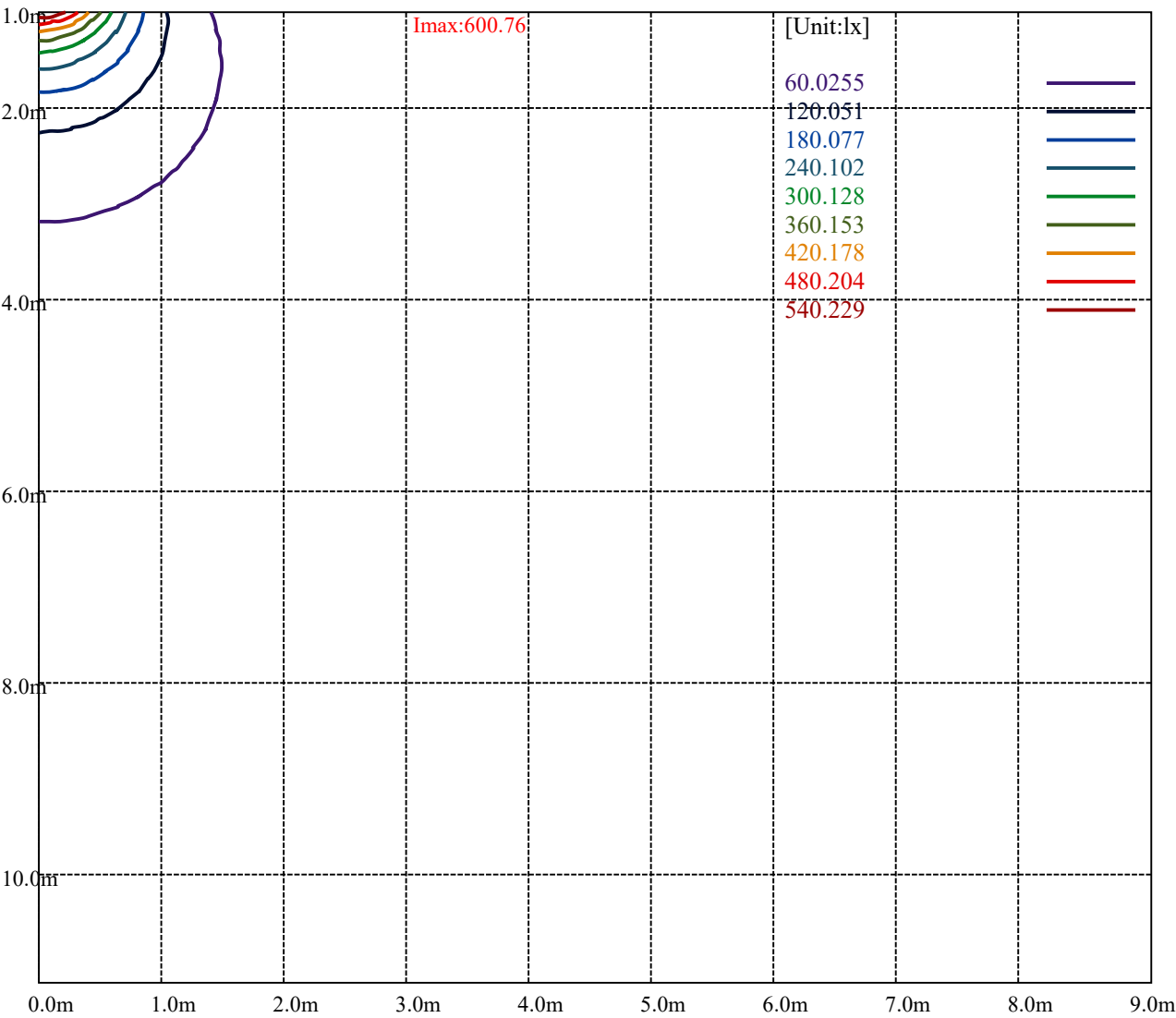








(10%Emax)	6.6695	
(20%Emax)	13.339	
(30%Emax)	20.00855	
(40%Emax)	26.678	
(50%Emax)	33.34755	
(60%Emax)	40.017	
(70%Emax)	46.68645	
(80%Emax)	53.356	
(90%Emax)	60.02544	



C/γ(°)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
0.0	600.26	600.26	600.26	600.00	600.00	599.62	599.37	599.37	598.86
30.0	600.26	600.26	600.38	600.13	600.13	599.62	599.62	598.98	598.98
60.0	600.26	600.26	600.76	600.51	600.51	599.75	599.37	599.11	598.60
90.0	600.26	600.26	600.00	599.62	599.24	599.24	598.48	598.48	597.71
120.0	600.26	600.26	600.00	599.87	599.87	599.24	599.24	598.60	598.60
150.0	600.26	600.26	600.13	599.75	599.49	599.24	599.24	598.86	598.48
180.0	600.26	600.26	600.26	600.00	600.00	599.62	599.37	599.37	598.86
210.0	600.26	600.26	600.38	600.13	600.13	599.62	599.62	598.98	598.98
240.0	600.26	600.26	600.76	600.51	600.51	599.75	599.37	599.11	598.60
270.0	600.26	600.26	600.00	599.62	599.24	599.24	598.48	598.48	597.71
300.0	600.26	600.26	600.00	599.87	599.87	599.24	599.24	598.60	598.60
330.0	600.26	600.26	600.13	599.75	599.49	599.24	599.24	598.86	598.48
360.0	600.26	600.26	600.26	600.00	600.00	599.62	599.37	599.37	598.86
C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	598.60	598.22	597.84	597.46	596.70	596.70	595.81	595.81	594.66
30.0	598.35	597.20	596.82	596.82	596.44	596.06	595.17	594.66	594.15
60.0	598.48	597.71	597.33	596.70	596.19	595.30	594.79	593.14	592.12
90.0	597.59	596.95	596.57	595.43	594.28	594.28	592.63	592.63	590.85
120.0	597.84	597.20	596.70	595.55	595.55	594.54	594.54	592.76	592.76
150.0	598.35	597.84	597.46	596.82	596.31	595.30	595.30	594.15	594.15
180.0	598.60	598.22	597.84	597.46	596.70	596.70	595.81	595.81	594.66
210.0	598.35	597.20	596.82	596.82	596.44	596.06	595.17	594.66	594.15
240.0	598.48	597.71	597.33	596.70	596.19	595.30	594.79	593.14	592.12
270.0	597.59	596.95	596.57	595.43	594.28	594.28	592.63	592.63	590.85
300.0	597.84	597.20	596.70	595.55	595.55	594.54	594.54	592.76	592.76
330.0	598.35	597.84	597.46	596.82	596.31	595.30	595.30	594.15	594.15
360.0	598.60	598.22	597.84	597.46	596.70	596.70	595.81	595.81	594.66
C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	594.66	593.52	593.01	591.99	591.49	590.85	589.45	589.45	587.80
30.0	593.65	592.63	591.23	591.23	589.71	588.94	588.05	587.29	586.15
60.0	591.36	590.34	589.45	588.31	587.29	586.15	585.39	584.11	582.84
90.0	590.85	588.94	588.05	586.53	585.64	584.37	581.95	581.95	578.90
120.0	590.85	590.85	589.20	587.93	587.04	584.88	584.88	582.21	582.21
150.0	592.50	591.99	591.61	590.72	590.34	589.33	588.44	586.53	586.53
180.0	594.66	593.52	593.01	591.99	591.49	590.85	589.45	589.45	587.80
210.0	593.65	592.63	591.23	591.23	589.71	588.94	588.05	587.29	586.15
240.0	591.36	590.34	589.45	588.31	587.29	586.15	585.39	584.11	582.84
270.0	590.85	588.94	588.05	586.53	585.64	584.37	581.95	581.95	578.90
300.0	590.85	590.85	589.20	587.93	587.04	584.88	584.88	582.21	582.21
330.0	592.50	591.99	591.61	590.72	590.34	589.33	588.44	586.53	586.53
360.0	594.66	593.52	593.01	591.99	591.49	590.85	589.45	589.45	587.80
C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	587.80	586.02	585.26	584.24	583.35	582.08	581.19	579.92	577.76
30.0	585.26	584.11	583.22	582.08	579.79	579.79	577.38	576.23	574.84
60.0	580.17	578.78	577.51	575.85	574.71	573.18	571.91	570.01	568.36
90.0	578.90	575.98	574.71	572.55	571.15	569.50	567.97	566.07	562.38
120.0	579.92	579.92	577.25	577.25	574.33	572.93	571.28	568.23	568.23
150.0	584.62	583.48	582.59	581.32	580.17	579.03	577.76	576.49	575.35
180.0	587.80	586.02	585.26	584.24	583.35	582.08	581.19	579.92	577.76
210.0	585.26	584.11	583.22	582.08	579.79	579.79	577.38	576.23	574.84
240.0	580.17	578.78	577.51	575.85	574.71	573.18	571.91	570.01	568.36
270.0	578.90	575.98	574.71	572.55	571.15	569.50	567.97	566.07	562.38
300.0	579.92	579.92	577.25	577.25	574.33	572.93	571.28	568.23	568.23
330.0	584.62	583.48	582.59	581.32	580.17	579.03	577.76	576.49	575.35
360.0	587.80	586.02	585.26	584.24	583.35	582.08	581.19	579.92	577.76

Intensity data(cd)										Appendix Page: 20 Total:29	
C/γ(°)	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0		
0.0	577.76	575.35	575.35	572.80	571.66	570.13	568.86	567.21	564.03		
30.0	573.82	572.29	571.15	569.50	566.32	566.32	563.40	562.00	560.22		
60.0	565.18	563.40	561.75	559.97	558.19	556.15	554.25	552.21	550.44		
90.0	562.38	558.70	558.70	554.88	552.85	550.44	548.40	546.11	541.41		
120.0	564.80	564.80	561.11	561.11	557.42	555.65	553.99	550.05	550.05		
150.0	572.68	572.68	570.01	568.74	567.34	565.69	564.29	562.64	561.36		
180.0	577.76	575.35	575.35	572.80	571.66	570.13	568.86	567.21	564.03		
210.0	573.82	572.29	571.15	569.50	566.32	566.32	563.40	562.00	560.22		
240.0	565.18	563.40	561.75	559.97	558.19	556.15	554.25	552.21	550.44		
270.0	562.38	558.70	558.70	554.88	552.85	550.44	548.40	546.11	541.41		
300.0	564.80	564.80	561.11	561.11	557.42	555.65	553.99	550.05	550.05		
330.0	572.68	572.68	570.01	568.74	567.34	565.69	564.29	562.64	561.36		
360.0	577.76	575.35	575.35	572.80	571.66	570.13	568.86	567.21	564.03		
C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5		
0.0	564.03	561.36	561.36	557.81	557.81	554.76	553.49	551.58	549.80		
30.0	558.57	556.79	555.39	553.36	551.71	549.67	545.86	545.86	542.05		
60.0	548.40	546.37	542.05	540.01	537.98	535.69	533.40	530.99	528.96		
90.0	541.41	536.71	536.71	532.01	529.72	527.30	525.02	522.22	519.81		
120.0	545.86	545.86	541.67	541.67	537.09	537.09	532.64	528.07	528.07		
150.0	557.93	557.93	554.38	554.38	550.82	548.78	547.00	545.10	543.32		
180.0	564.03	561.36	561.36	557.81	557.81	554.76	553.49	551.58	549.80		
210.0	558.57	556.79	555.39	553.36	551.71	549.67	545.86	545.86	542.05		
240.0	548.40	546.37	542.05	540.01	537.98	535.69	533.40	530.99	528.96		
270.0	541.41	536.71	536.71	532.01	529.72	527.30	525.02	522.22	519.81		
300.0	545.86	545.86	541.67	541.67	537.09	537.09	532.64	528.07	528.07		
330.0	557.93	557.93	554.38	554.38	550.82	548.78	547.00	545.10	543.32		
360.0	564.03	561.36	561.36	557.81	557.81	554.76	553.49	551.58	549.80		
C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0		
0.0	547.89	544.33	544.33	540.27	540.27	536.71	534.80	532.51	530.61		
30.0	540.27	538.11	536.07	533.91	532.13	529.85	527.81	525.53	521.08		
60.0	526.54	524.00	520.19	517.90	515.36	512.82	507.48	507.48	502.14		
90.0	517.01	511.29	511.29	505.95	505.95	500.11	497.56	494.64	491.85		
120.0	523.36	523.36	518.53	518.53	513.45	513.45	508.37	508.37	503.16		
150.0	541.03	539.12	535.31	535.31	531.24	528.96	526.80	524.51	522.47		
180.0	547.89	544.33	544.33	540.27	540.27	536.71	534.80	532.51	530.61		
210.0	540.27	538.11	536.07	533.91	532.13	529.85	527.81	525.53	521.08		
240.0	526.54	524.00	520.19	517.90	515.36	512.82	507.48	507.48	502.14		
270.0	517.01	511.29	511.29	505.95	505.95	500.11	497.56	494.64	491.85		
300.0	523.36	523.36	518.53	518.53	513.45	513.45	508.37	508.37	503.16		
330.0	541.03	539.12	535.31	535.31	531.24	528.96	526.80	524.51	522.47		
360.0	547.89	544.33	544.33	540.27	540.27	536.71	534.80	532.51	530.61		
C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5		
0.0	528.45	526.41	524.13	519.93	519.93	517.52	514.47	510.02	510.02		
30.0	521.08	516.50	514.21	511.80	509.77	507.10	504.81	502.14	497.06		
60.0	502.14	496.67	496.67	491.21	488.41	485.49	479.77	479.77	473.93		
90.0	488.80	485.87	482.57	476.21	476.21	469.73	469.73	463.50	460.33		
120.0	497.69	497.69	492.23	492.23	486.51	486.51	481.04	481.04	475.20		
150.0	520.19	517.77	513.07	513.07	508.62	508.62	503.79	501.12	498.58		
180.0	528.45	526.41	524.13	519.93	519.93	517.52	514.47	510.02	510.02		
210.0	521.08	516.50	514.21	511.80	509.77	507.10	504.81	502.14	497.06		
240.0	502.14	496.67	496.67	491.21	488.41	485.49	479.77	479.77	473.93		
270.0	488.80	485.87	482.57	476.21	476.21	469.73	469.73	463.50	460.33		
300.0	497.69	497.69	492.23	492.23	486.51	486.51	481.04	481.04	475.20		
330.0	520.19	517.77	513.07	513.07	508.62	508.62	503.79	501.12	498.58		
360.0	528.45	526.41	524.13	519.93	519.93	517.52	514.47	510.02	510.02		

C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	505.32	505.32	500.49	497.95	495.79	493.12	490.83	488.03	485.75
30.0	497.06	491.97	489.56	486.76	484.35	481.42	478.88	476.09	473.54
60.0	473.93	467.95	467.95	461.72	461.72	455.62	452.57	449.40	442.92
90.0	457.02	453.85	450.41	443.55	443.55	436.56	436.56	429.57	426.01
120.0	472.02	469.10	463.12	463.12	456.90	456.90	450.54	450.54	444.19
150.0	496.04	493.37	490.83	488.41	483.20	483.20	477.99	477.99	472.53
180.0	505.32	505.32	500.49	497.95	495.79	493.12	490.83	488.03	485.75
210.0	497.06	491.97	489.56	486.76	484.35	481.42	478.88	476.09	473.54
240.0	473.93	467.95	467.95	461.72	461.72	455.62	452.57	449.40	442.92
270.0	457.02	453.85	450.41	443.55	443.55	436.56	436.56	429.57	426.01
300.0	472.02	469.10	463.12	463.12	456.90	456.90	450.54	450.54	444.19
330.0	496.04	493.37	490.83	488.41	483.20	483.20	477.99	477.99	472.53
360.0	505.32	505.32	500.49	497.95	495.79	493.12	490.83	488.03	485.75

C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	480.66	480.66	475.45	475.45	470.24	467.32	464.65	461.85	459.31
30.0	470.62	465.16	465.16	462.36	456.64	453.59	450.92	447.74	444.95
60.0	442.92	436.43	436.43	429.83	429.83	423.22	419.66	416.23	409.49
90.0	422.45	418.89	415.08	411.78	407.96	400.47	400.47	392.97	392.97
120.0	444.19	437.70	431.35	431.35	424.74	424.74	417.75	417.75	411.14
150.0	469.73	466.94	464.01	461.22	458.42	455.50	449.65	449.65	443.93
180.0	480.66	480.66	475.45	475.45	470.24	467.32	464.65	461.85	459.31
210.0	470.62	465.16	465.16	462.36	456.64	453.59	450.92	447.74	444.95
240.0	442.92	436.43	436.43	429.83	429.83	423.22	419.66	416.23	409.49
270.0	422.45	418.89	415.08	411.78	407.96	400.47	400.47	392.97	392.97
300.0	444.19	437.70	431.35	431.35	424.74	424.74	417.75	417.75	411.14
330.0	469.73	466.94	464.01	461.22	458.42	455.50	449.65	449.65	443.93
360.0	480.66	480.66	475.45	475.45	470.24	467.32	464.65	461.85	459.31

C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	456.26	453.59	448.00	448.00	442.28	439.23	436.43	433.38	430.46
30.0	441.90	435.67	435.67	429.70	429.70	423.60	420.67	417.37	414.45
60.0	409.49	402.63	402.63	395.76	395.76	388.52	388.52	381.66	377.97
90.0	385.34	381.53	377.59	373.90	369.96	361.96	361.96	354.21	354.21
120.0	411.14	404.28	404.28	397.29	390.05	390.05	383.05	383.05	375.94
150.0	440.76	437.70	434.91	431.99	428.81	425.63	422.33	419.15	413.05
180.0	456.26	453.59	448.00	448.00	442.28	439.23	436.43	433.38	430.46
210.0	441.90	435.67	435.67	429.70	429.70	423.60	420.67	417.37	414.45
240.0	409.49	402.63	402.63	395.76	395.76	388.52	388.52	381.66	377.97
270.0	385.34	381.53	377.59	373.90	369.96	361.96	361.96	354.21	354.21
300.0	411.14	404.28	404.28	397.29	390.05	390.05	383.05	383.05	375.94
330.0	440.76	437.70	434.91	431.99	428.81	425.63	422.33	419.15	413.05
360.0	456.26	453.59	448.00	448.00	442.28	439.23	436.43	433.38	430.46

C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	427.41	424.49	418.64	418.64	412.54	412.54	406.44	403.14	400.21
30.0	411.14	408.09	404.92	398.43	398.43	391.83	388.65	385.34	382.04
60.0	374.29	366.92	366.92	359.54	359.54	352.05	352.05	344.67	344.67
90.0	346.07	346.07	337.94	334.00	329.80	325.61	321.42	313.03	313.03
120.0	375.94	368.82	368.82	361.45	357.51	353.95	346.45	346.45	338.83
150.0	413.05	406.57	403.52	400.34	397.04	393.86	390.68	387.38	380.64
180.0	427.41	424.49	418.64	418.64	412.54	412.54	406.44	403.14	400.21
210.0	411.14	408.09	404.92	398.43	398.43	391.83	388.65	385.34	382.04
240.0	374.29	366.92	366.92	359.54	359.54	352.05	352.05	344.67	344.67
270.0	346.07	346.07	337.94	334.00	329.80	325.61	321.42	313.03	313.03
300.0	375.94	368.82	368.82	361.45	357.51	353.95	346.45	346.45	338.83
330.0	413.05	406.57	403.52	400.34	397.04	393.86	390.68	387.38	380.64
360.0	427.41	424.49	418.64	418.64	412.54	412.54	406.44	403.14	400.21

C/γ(°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	400.21	393.73	390.43	387.50	381.02	381.02	374.54	374.54	368.19
30.0	378.61	375.30	371.87	368.82	365.26	358.40	358.40	351.54	348.23
60.0	337.05	329.42	329.42	321.92	321.92	314.04	314.04	306.29	306.29
90.0	304.77	304.77	296.25	291.93	287.48	283.16	278.97	274.77	270.32
120.0	338.83	331.20	331.20	323.58	323.58	315.82	308.07	308.07	300.45
150.0	380.64	374.03	370.73	367.42	363.86	360.43	360.43	353.57	350.14
180.0	400.21	393.73	390.43	387.50	381.02	381.02	374.54	374.54	368.19
210.0	378.61	375.30	371.87	368.82	365.26	358.40	358.40	351.54	348.23
240.0	337.05	329.42	329.42	321.92	321.92	314.04	314.04	306.29	306.29
270.0	304.77	304.77	296.25	291.93	287.48	283.16	278.97	274.77	270.32
300.0	338.83	331.20	331.20	323.58	323.58	315.82	308.07	308.07	300.45
330.0	380.64	374.03	370.73	367.42	363.86	360.43	360.43	353.57	350.14
360.0	400.21	393.73	390.43	387.50	381.02	381.02	374.54	374.54	368.19

C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	364.63	361.45	358.02	354.84	351.28	348.10	341.24	341.24	334.51
30.0	344.67	341.24	337.68	334.38	330.69	323.70	323.70	316.46	316.46
60.0	298.41	294.60	290.79	282.91	282.91	274.77	274.77	266.77	266.77
90.0	261.68	261.68	252.79	252.79	243.89	239.57	235.12	230.67	226.10
120.0	300.45	292.57	292.57	284.69	284.69	276.81	276.81	264.86	260.92
150.0	346.96	339.84	339.84	332.85	329.30	325.74	322.18	318.49	315.06
180.0	364.63	361.45	358.02	354.84	351.28	348.10	341.24	341.24	334.51
210.0	344.67	341.24	337.68	334.38	330.69	323.70	323.70	316.46	316.46
240.0	298.41	294.60	290.79	282.91	282.91	274.77	274.77	266.77	266.77
270.0	261.68	261.68	252.79	252.79	243.89	239.57	235.12	230.67	226.10
300.0	300.45	292.57	292.57	284.69	284.69	276.81	276.81	264.86	260.92
330.0	346.96	339.84	339.84	332.85	329.30	325.74	322.18	318.49	315.06
360.0	364.63	361.45	358.02	354.84	351.28	348.10	341.24	341.24	334.51

C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	330.95	327.64	324.08	320.65	317.10	313.66	306.67	306.67	299.68
30.0	309.34	305.91	302.10	298.54	294.98	291.30	287.61	280.49	280.49
60.0	258.76	258.76	250.88	246.94	242.87	234.74	234.74	226.61	226.61
90.0	217.07	217.07	208.18	208.18	198.90	198.90	189.88	185.17	180.72
120.0	260.92	252.79	252.79	244.91	244.91	236.65	236.65	228.77	224.57
150.0	311.38	304.13	304.13	296.89	296.89	289.77	286.21	282.53	278.97
180.0	330.95	327.64	324.08	320.65	317.10	313.66	306.67	306.67	299.68
210.0	309.34	305.91	302.10	298.54	294.98	291.30	287.61	280.49	280.49
240.0	258.76	258.76	250.88	246.94	242.87	234.74	234.74	226.61	226.61
270.0	217.07	217.07	208.18	208.18	198.90	198.90	189.88	185.17	180.72
300.0	260.92	252.79	252.79	244.91	244.91	236.65	236.65	228.77	224.57
330.0	311.38	304.13	304.13	296.89	296.89	289.77	286.21	282.53	278.97
360.0	330.95	327.64	324.08	320.65	317.10	313.66	306.67	306.67	299.68

C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	299.68	292.69	289.26	285.83	282.40	278.97	275.54	272.10	265.11
30.0	273.25	269.56	265.88	262.19	258.63	255.07	251.39	247.83	244.27
60.0	218.72	218.72	210.59	210.59	202.46	194.45	194.45	186.44	186.44
90.0	176.28	171.70	162.42	162.42	153.27	153.27	144.25	139.67	135.23
120.0	220.63	212.50	212.50	204.62	204.62	196.61	192.54	188.60	188.60
150.0	275.28	271.60	267.91	260.67	260.67	253.42	249.86	246.30	242.75
180.0	299.68	292.69	289.26	285.83	282.40	278.97	275.54	272.10	265.11
210.0	273.25	269.56	265.88	262.19	258.63	255.07	251.39	247.83	244.27
240.0	218.72	218.72	210.59	210.59	202.46	194.45	194.45	186.44	186.44
270.0	176.28	171.70	162.42	162.42	153.27	153.27	144.25	139.67	135.23
300.0	220.63	212.50	212.50	204.62	204.62	196.61	192.54	188.60	188.60
330.0	275.28	271.60	267.91	260.67	260.67	253.42	249.86	246.30	242.75
360.0	299.68	292.69	289.26	285.83	282.40	278.97	275.54	272.10	265.11

C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	265.11	258.25	258.25	251.52	248.21	244.78	241.60	238.30	235.12
30.0	237.15	237.15	229.91	226.48	223.05	219.36	216.06	212.50	209.32
60.0	178.31	178.31	170.56	170.56	162.55	158.61	154.80	147.17	147.17
90.0	130.65	126.08	121.50	117.18	108.41	108.41	99.64	99.64	90.87
120.0	180.60	172.72	172.72	164.71	164.71	157.09	157.09	149.46	149.46
150.0	238.93	235.50	231.82	224.70	224.70	217.71	217.71	210.59	207.29
180.0	265.11	258.25	258.25	251.52	248.21	244.78	241.60	238.30	235.12
210.0	237.15	237.15	229.91	226.48	223.05	219.36	216.06	212.50	209.32
240.0	178.31	178.31	170.56	170.56	162.55	158.61	154.80	147.17	147.17
270.0	130.65	126.08	121.50	117.18	108.41	108.41	99.64	99.64	90.87
300.0	180.60	172.72	172.72	164.71	164.71	157.09	157.09	149.46	149.46
330.0	238.93	235.50	231.82	224.70	224.70	217.71	217.71	210.59	207.29
360.0	265.11	258.25	258.25	251.52	248.21	244.78	241.60	238.30	235.12
C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	231.82	225.46	225.46	218.98	216.06	212.88	209.83	206.65	203.98
30.0	202.46	202.46	195.85	195.85	189.49	186.06	183.01	179.84	177.04
60.0	139.55	139.55	132.18	132.18	124.93	124.93	117.94	114.38	111.21
90.0	86.42	82.36	77.91	73.97	65.83	65.83	57.95	57.95	50.46
120.0	141.96	141.96	134.59	127.35	127.35	120.36	120.36	113.62	113.62
150.0	203.86	200.68	197.25	194.20	190.77	184.41	184.41	178.06	178.06
180.0	231.82	225.46	225.46	218.98	216.06	212.88	209.83	206.65	203.98
210.0	202.46	202.46	195.85	195.85	189.49	186.06	183.01	179.84	177.04
240.0	139.55	139.55	132.18	132.18	124.93	124.93	117.94	114.38	111.21
270.0	86.42	82.36	77.91	73.97	65.83	65.83	57.95	57.95	50.46
300.0	141.96	141.96	134.59	127.35	127.35	120.36	120.36	113.62	113.62
330.0	203.86	200.68	197.25	194.20	190.77	184.41	184.41	178.06	178.06
360.0	231.82	225.46	225.46	218.98	216.06	212.88	209.83	206.65	203.98
C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	200.81	194.96	194.96	189.37	189.37	183.77	181.36	178.56	176.15
30.0	173.73	171.07	165.22	162.17	159.63	156.70	154.16	151.24	148.95
60.0	104.60	104.60	98.37	98.37	92.40	92.40	86.93	86.93	81.72
90.0	50.46	43.08	39.15	36.22	32.41	29.74	23.89	23.89	18.68
120.0	105.61	105.61	102.18	99.39	93.54	90.36	87.95	85.02	82.86
150.0	172.08	169.29	166.24	163.57	160.52	157.85	154.93	149.71	149.71
180.0	200.81	194.96	194.96	189.37	189.37	183.77	181.36	178.56	176.15
210.0	173.73	171.07	165.22	162.17	159.63	156.70	154.16	151.24	148.95
240.0	104.60	104.60	98.37	98.37	92.40	92.40	86.93	86.93	81.72
270.0	50.46	43.08	39.15	36.22	32.41	29.74	23.89	23.89	18.68
300.0	105.61	105.61	102.18	99.39	93.54	90.36	87.95	85.02	82.86
330.0	172.08	169.29	166.24	163.57	160.52	157.85	154.93	149.71	149.71
360.0	200.81	194.96	194.96	189.37	189.37	183.77	181.36	178.56	176.15
C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	173.35	171.07	168.40	163.57	163.57	158.86	158.86	154.42	152.51
30.0	146.16	144.00	141.33	139.17	134.72	134.72	130.27	127.98	126.20
60.0	76.89	76.89	72.57	72.57	68.38	68.38	64.56	64.56	61.39
90.0	15.51	14.11	11.18	10.29	7.75	6.99	4.96	4.96	3.31
120.0	79.94	77.91	75.24	73.46	69.39	67.11	65.58	63.55	62.28
150.0	144.76	142.47	139.93	137.64	135.23	133.19	130.90	128.87	126.71
180.0	173.35	171.07	168.40	163.57	163.57	158.86	158.86	154.42	152.51
210.0	146.16	144.00	141.33	139.17	134.72	134.72	130.27	127.98	126.20
240.0	76.89	76.89	72.57	72.57	68.38	68.38	64.56	64.56	61.39
270.0	15.51	14.11	11.18	10.29	7.75	6.99	4.96	4.96	3.31
300.0	79.94	77.91	75.24	73.46	69.39	67.11	65.58	63.55	62.28
330.0	144.76	142.47	139.93	137.64	135.23	133.19	130.90	128.87	126.71
360.0	173.35	171.07	168.40	163.57	163.57	158.86	158.86	154.42	152.51

Intensity data(cd)

Appendix Page: 24 Total:29

C/γ(°)	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0
0.0	150.10	148.32	146.03	144.38	142.22	138.40	138.40	134.97	133.45
30.0	123.92	122.26	120.10	118.58	115.02	115.02	111.71	111.71	108.66
60.0	59.48	58.21	55.67	55.67	53.25	53.25	51.09	51.09	49.31
90.0	3.31	2.03	2.03	1.27	1.02	1.02	1.02	1.02	1.02
120.0	60.37	59.23	57.57	56.68	55.16	54.14	52.11	50.84	50.20
150.0	122.90	122.90	118.96	117.31	115.40	113.88	112.10	110.57	108.92
180.0	150.10	148.32	146.03	144.38	142.22	138.40	138.40	134.97	133.45
210.0	123.92	122.26	120.10	118.58	115.02	115.02	111.71	111.71	108.66
240.0	59.48	58.21	55.67	55.67	53.25	53.25	51.09	51.09	49.31
270.0	3.31	2.03	2.03	1.27	1.02	1.02	1.02	1.02	1.02
300.0	60.37	59.23	57.57	56.68	55.16	54.14	52.11	50.84	50.20
330.0	122.90	122.90	118.96	117.31	115.40	113.88	112.10	110.57	108.92
360.0	150.10	148.32	146.03	144.38	142.22	138.40	138.40	134.97	133.45
C/γ(°)	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5
0.0	131.54	130.14	128.36	126.97	125.31	122.39	122.39	119.59	119.59
30.0	107.01	105.74	104.09	102.95	101.55	100.53	98.12	98.12	95.83
60.0	49.31	47.66	46.90	46.26	44.99	44.99	43.85	43.85	42.70
90.0	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	0.89
120.0	49.06	48.42	47.53	47.02	46.13	45.63	44.99	44.48	43.34
150.0	105.99	105.99	103.20	103.20	100.53	99.39	98.24	97.23	95.95
180.0	131.54	130.14	128.36	126.97	125.31	122.39	122.39	119.59	119.59
210.0	107.01	105.74	104.09	102.95	101.55	100.53	98.12	98.12	95.83
240.0	49.31	47.66	46.90	46.26	44.99	44.99	43.85	43.85	42.70
270.0	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	0.89
300.0	49.06	48.42	47.53	47.02	46.13	45.63	44.99	44.48	43.34
330.0	105.99	105.99	103.20	103.20	100.53	99.39	98.24	97.23	95.95
360.0	131.54	130.14	128.36	126.97	125.31	122.39	122.39	119.59	119.59
C/γ(°)	99.0	99.5	100.0	100.5	101.0	101.5	102.0	102.5	103.0
0.0	117.05	115.91	114.51	113.49	112.10	111.21	109.81	107.77	107.77
30.0	94.56	93.67	92.52	91.63	90.62	89.73	88.84	88.08	86.30
60.0	42.70	41.69	41.69	40.67	39.78	39.78	38.76	38.76	37.87
90.0	0.89	0.89	0.89	0.89	0.89	0.89	0.76	0.76	0.76
120.0	42.70	42.20	41.56	41.18	40.67	40.16	39.65	39.27	38.76
150.0	94.94	93.79	91.89	91.89	89.98	89.09	88.20	87.44	86.55
180.0	117.05	115.91	114.51	113.49	112.10	111.21	109.81	107.77	107.77
210.0	94.56	93.67	92.52	91.63	90.62	89.73	88.84	88.08	86.30
240.0	42.70	41.69	41.69	40.67	39.78	39.78	38.76	38.76	37.87
270.0	0.89	0.89	0.89	0.89	0.89	0.89	0.76	0.76	0.76
300.0	42.70	42.20	41.56	41.18	40.67	40.16	39.65	39.27	38.76
330.0	94.94	93.79	91.89	91.89	89.98	89.09	88.20	87.44	86.55
360.0	117.05	115.91	114.51	113.49	112.10	111.21	109.81	107.77	107.77
C/γ(°)	103.5	104.0	104.5	105.0	105.5	106.0	106.5	107.0	107.5
0.0	105.61	105.61	103.71	102.82	101.67	101.67	99.77	97.99	97.99
30.0	86.30	84.64	83.75	82.99	82.10	81.34	80.58	79.94	78.42
60.0	37.87	36.98	36.98	36.22	35.84	35.46	34.57	34.57	33.93
90.0	0.76	0.76	0.76	0.89	0.89	0.89	0.89	0.76	0.76
120.0	38.00	37.49	37.11	36.73	36.35	35.97	35.59	35.20	34.70
150.0	85.79	84.90	84.14	83.37	81.72	81.72	80.32	79.56	78.67
180.0	105.61	105.61	103.71	102.82	101.67	101.67	99.77	97.99	97.99
210.0	86.30	84.64	83.75	82.99	82.10	81.34	80.58	79.94	78.42
240.0	37.87	36.98	36.98	36.22	35.84	35.46	34.57	34.57	33.93
270.0	0.76	0.76	0.76	0.89	0.89	0.89	0.89	0.76	0.76
300.0	38.00	37.49	37.11	36.73	36.35	35.97	35.59	35.20	34.70
330.0	85.79	84.90	84.14	83.37	81.72	81.72	80.32	79.56	78.67
360.0	105.61	105.61	103.71	102.82	101.67	101.67	99.77	97.99	97.99

C/γ(°)	108.0	108.5	109.0	109.5	110.0	110.5	111.0	111.5	112.0
0.0	96.21	96.21	94.43	93.54	92.65	91.76	90.87	89.98	89.09
30.0	78.42	76.89	76.13	75.37	74.60	73.97	73.21	72.44	71.68
60.0	33.93	33.17	33.17	32.54	32.54	31.77	31.14	31.14	30.50
90.0	0.76	0.76	0.76	0.89	0.89	0.89	0.89	0.89	0.89
120.0	34.44	33.68	33.17	32.92	32.54	32.28	31.90	31.65	31.26
150.0	77.15	77.15	76.51	75.75	74.22	74.22	72.82	72.82	71.43
180.0	96.21	96.21	94.43	93.54	92.65	91.76	90.87	89.98	89.09
210.0	78.42	76.89	76.13	75.37	74.60	73.97	73.21	72.44	71.68
240.0	33.93	33.17	33.17	32.54	32.54	31.77	31.14	31.14	30.50
270.0	0.76	0.76	0.76	0.89	0.89	0.89	0.89	0.89	0.89
300.0	34.44	33.68	33.17	32.92	32.54	32.28	31.90	31.65	31.26
330.0	77.15	77.15	76.51	75.75	74.22	74.22	72.82	72.82	71.43
360.0	96.21	96.21	94.43	93.54	92.65	91.76	90.87	89.98	89.09
C/γ(°)	112.5	113.0	113.5	114.0	114.5	115.0	115.5	116.0	116.5
0.0	87.44	87.44	85.66	85.66	84.01	83.25	82.36	81.47	80.70
30.0	71.04	69.65	69.65	68.12	67.49	66.85	66.09	65.45	64.69
60.0	30.50	29.87	29.87	29.23	29.23	28.72	28.72	27.96	27.33
90.0	0.76	0.76	0.76	0.76	0.76	0.89	0.89	0.89	0.89
120.0	30.88	30.63	30.12	29.49	29.11	28.60	28.34	27.83	27.58
150.0	70.66	69.90	69.27	68.63	67.87	67.11	65.83	65.83	64.44
180.0	87.44	87.44	85.66	85.66	84.01	83.25	82.36	81.47	80.70
210.0	71.04	69.65	69.65	68.12	67.49	66.85	66.09	65.45	64.69
240.0	30.50	29.87	29.87	29.23	29.23	28.72	28.72	27.96	27.33
270.0	0.76	0.76	0.76	0.76	0.76	0.89	0.89	0.89	0.89
300.0	30.88	30.63	30.12	29.49	29.11	28.60	28.34	27.83	27.58
330.0	70.66	69.90	69.27	68.63	67.87	67.11	65.83	65.83	64.44
360.0	87.44	87.44	85.66	85.66	84.01	83.25	82.36	81.47	80.70
C/γ(°)	117.0	117.5	118.0	118.5	119.0	119.5	120.0	120.5	121.0
0.0	79.81	78.93	77.27	77.27	75.62	75.62	74.10	73.21	72.44
30.0	64.06	63.17	62.66	61.39	61.39	59.99	59.35	58.84	58.08
60.0	27.33	26.56	26.56	25.80	25.80	25.04	25.04	24.40	24.15
90.0	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
120.0	27.20	26.94	26.56	26.05	25.80	25.55	25.29	25.29	24.78
150.0	63.67	63.04	62.40	61.77	61.13	60.37	59.73	59.10	57.83
180.0	79.81	78.93	77.27	77.27	75.62	75.62	74.10	73.21	72.44
210.0	64.06	63.17	62.66	61.39	61.39	59.99	59.35	58.84	58.08
240.0	27.33	26.56	26.56	25.80	25.80	25.04	25.04	24.40	24.15
270.0	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
300.0	27.20	26.94	26.56	26.05	25.80	25.55	25.29	25.29	24.78
330.0	63.67	63.04	62.40	61.77	61.13	60.37	59.73	59.10	57.83
360.0	79.81	78.93	77.27	77.27	75.62	75.62	74.10	73.21	72.44
C/γ(°)	121.5	122.0	122.5	123.0	123.5	124.0	124.5	125.0	125.5
0.0	71.68	70.79	69.27	69.27	67.61	67.61	66.09	65.45	64.56
30.0	57.45	56.81	56.17	54.90	54.90	53.76	53.00	52.49	51.85
60.0	23.89	23.39	23.39	22.88	22.88	22.37	22.37	21.86	21.86
90.0	0.76	0.76	0.76	0.76	0.76	0.76	0.89	0.89	0.89
120.0	24.53	24.28	24.02	23.77	23.51	23.00	22.75	22.50	22.24
150.0	57.83	56.56	55.92	55.29	54.65	54.02	53.38	52.74	51.60
180.0	71.68	70.79	69.27	69.27	67.61	67.61	66.09	65.45	64.56
210.0	57.45	56.81	56.17	54.90	54.90	53.76	53.00	52.49	51.85
240.0	23.89	23.39	23.39	22.88	22.88	22.37	22.37	21.86	21.86
270.0	0.76	0.76	0.76	0.76	0.76	0.76	0.89	0.89	0.89
300.0	24.53	24.28	24.02	23.77	23.51	23.00	22.75	22.50	22.24
330.0	57.83	56.56	55.92	55.29	54.65	54.02	53.38	52.74	51.60
360.0	71.68	70.79	69.27	69.27	67.61	67.61	66.09	65.45	64.56

C/γ(°)	126.0	126.5	127.0	127.5	128.0	128.5	129.0	129.5	130.0
0.0	63.93	63.17	62.40	61.64	59.99	59.99	58.59	58.59	56.94
30.0	51.22	50.58	49.82	49.19	48.55	47.91	47.15	45.88	45.24
60.0	21.22	20.84	20.84	20.33	20.33	19.83	19.83	19.19	19.19
90.0	0.89	0.89	0.76	0.76	0.89	0.89	0.89	0.89	0.89
120.0	21.86	21.61	21.35	20.97	20.72	20.21	19.95	19.70	19.32
150.0	51.60	50.33	49.69	49.06	48.55	47.91	47.28	46.52	46.01
180.0	63.93	63.17	62.40	61.64	59.99	59.99	58.59	58.59	56.94
210.0	51.22	50.58	49.82	49.19	48.55	47.91	47.15	45.88	45.24
240.0	21.22	20.84	20.84	20.33	20.33	19.83	19.83	19.19	19.19
270.0	0.89	0.89	0.76	0.76	0.89	0.89	0.89	0.89	0.89
300.0	21.86	21.61	21.35	20.97	20.72	20.21	19.95	19.70	19.32
330.0	51.60	50.33	49.69	49.06	48.55	47.91	47.28	46.52	46.01
360.0	63.93	63.17	62.40	61.64	59.99	59.99	58.59	58.59	56.94
C/γ(°)	130.5	131.0	131.5	132.0	132.5	133.0	133.5	134.0	134.5
0.0	56.05	55.29	54.52	53.76	52.87	52.11	50.46	50.46	48.93
30.0	44.36	43.72	42.96	42.45	41.94	41.43	40.80	39.78	39.78
60.0	18.68	18.43	18.17	17.79	17.79	17.41	17.41	17.03	17.03
90.0	0.89	0.89	0.89	0.89	0.76	0.76	0.89	0.89	0.89
120.0	19.19	18.94	18.81	18.43	18.30	18.05	17.79	17.41	17.16
150.0	45.24	43.85	43.85	42.58	41.94	41.18	40.67	40.03	39.53
180.0	56.05	55.29	54.52	53.76	52.87	52.11	50.46	50.46	48.93
210.0	44.36	43.72	42.96	42.45	41.94	41.43	40.80	39.78	39.78
240.0	18.68	18.43	18.17	17.79	17.79	17.41	17.41	17.03	17.03
270.0	0.89	0.89	0.89	0.89	0.76	0.76	0.89	0.89	0.89
300.0	19.19	18.94	18.81	18.43	18.30	18.05	17.79	17.41	17.16
330.0	45.24	43.85	43.85	42.58	41.94	41.18	40.67	40.03	39.53
360.0	56.05	55.29	54.52	53.76	52.87	52.11	50.46	50.46	48.93
C/γ(°)	135.0	135.5	136.0	136.5	137.0	137.5	138.0	138.5	139.0
0.0	48.30	47.66	47.02	46.26	44.99	44.99	43.59	43.59	42.45
30.0	38.64	38.13	37.62	37.11	36.60	36.09	35.71	34.70	34.70
60.0	16.78	16.78	16.27	16.14	15.89	15.51	15.51	15.12	15.12
90.0	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
120.0	16.90	16.65	16.52	16.27	16.14	15.89	15.76	15.51	15.38
150.0	38.89	38.38	37.87	36.86	36.86	35.84	35.33	34.82	34.32
180.0	48.30	47.66	47.02	46.26	44.99	44.99	43.59	43.59	42.45
210.0	38.64	38.13	37.62	37.11	36.60	36.09	35.71	34.70	34.70
240.0	16.78	16.78	16.27	16.14	15.89	15.51	15.51	15.12	15.12
270.0	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
300.0	16.90	16.65	16.52	16.27	16.14	15.89	15.76	15.51	15.38
330.0	38.89	38.38	37.87	36.86	36.86	35.84	35.33	34.82	34.32
360.0	48.30	47.66	47.02	46.26	44.99	44.99	43.59	43.59	42.45
C/γ(°)	139.5	140.0	140.5	141.0	141.5	142.0	142.5	143.0	143.5
0.0	42.45	41.05	40.54	39.91	39.40	38.64	38.13	37.49	36.22
30.0	33.68	33.17	32.79	32.15	31.77	31.26	30.76	30.25	29.74
60.0	14.62	14.62	14.24	14.24	13.85	13.35	13.35	12.84	12.84
90.0	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
120.0	14.87	14.74	14.49	14.24	13.98	13.73	13.47	13.35	13.09
150.0	33.81	33.30	32.79	31.77	31.77	30.76	30.25	29.74	29.11
180.0	42.45	41.05	40.54	39.91	39.40	38.64	38.13	37.49	36.22
210.0	33.68	33.17	32.79	32.15	31.77	31.26	30.76	30.25	29.74
240.0	14.62	14.62	14.24	14.24	13.85	13.35	13.35	12.84	12.84
270.0	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
300.0	14.87	14.74	14.49	14.24	13.98	13.73	13.47	13.35	13.09
330.0	33.81	33.30	32.79	31.77	31.77	30.76	30.25	29.74	29.11
360.0	42.45	41.05	40.54	39.91	39.40	38.64	38.13	37.49	36.22

C/γ(°)	144.0	144.5	145.0	145.5	146.0	146.5	147.0	147.5	148.0
0.0	36.22	35.08	35.08	33.93	33.43	32.79	32.28	31.52	31.01
30.0	28.72	28.72	27.83	27.20	26.82	26.31	25.93	25.29	24.91
60.0	12.33	12.33	11.82	11.82	11.44	11.18	10.93	10.55	10.55
90.0	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
120.0	12.71	12.46	12.20	11.95	11.82	11.57	11.44	11.18	10.93
150.0	28.60	28.09	27.58	27.07	26.56	25.55	25.55	24.66	24.28
180.0	36.22	35.08	35.08	33.93	33.43	32.79	32.28	31.52	31.01
210.0	28.72	28.72	27.83	27.20	26.82	26.31	25.93	25.29	24.91
240.0	12.33	12.33	11.82	11.82	11.44	11.18	10.93	10.55	10.55
270.0	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
300.0	12.71	12.46	12.20	11.95	11.82	11.57	11.44	11.18	10.93
330.0	28.60	28.09	27.58	27.07	26.56	25.55	25.55	24.66	24.28
360.0	36.22	35.08	35.08	33.93	33.43	32.79	32.28	31.52	31.01
C/γ(°)	148.5	149.0	149.5	150.0	150.5	151.0	151.5	152.0	152.5
0.0	30.50	29.36	29.36	28.09	27.71	27.07	26.56	25.93	25.42
30.0	24.02	24.02	23.13	23.13	22.24	21.73	21.35	20.84	20.33
60.0	10.04	10.04	9.66	9.66	9.28	9.28	8.77	8.39	8.26
90.0	0.89	0.89	0.89	0.89	0.89	0.89	1.02	1.02	1.02
120.0	10.80	10.55	10.04	9.79	9.66	9.28	9.15	9.02	8.77
150.0	23.89	23.39	23.00	22.37	21.99	21.22	21.22	20.33	20.33
180.0	30.50	29.36	29.36	28.09	27.71	27.07	26.56	25.93	25.42
210.0	24.02	24.02	23.13	23.13	22.24	21.73	21.35	20.84	20.33
240.0	10.04	10.04	9.66	9.66	9.28	9.28	8.77	8.39	8.26
270.0	0.89	0.89	0.89	0.89	0.89	0.89	1.02	1.02	1.02
300.0	10.80	10.55	10.04	9.79	9.66	9.28	9.15	9.02	8.77
330.0	23.89	23.39	23.00	22.37	21.99	21.22	21.22	20.33	20.33
360.0	30.50	29.36	29.36	28.09	27.71	27.07	26.56	25.93	25.42
C/γ(°)	153.0	153.5	154.0	154.5	155.0	155.5	156.0	156.5	157.0
0.0	24.78	23.64	23.64	22.62	22.62	21.61	21.61	20.59	20.21
30.0	19.95	19.45	18.43	18.43	17.41	16.90	16.40	15.89	15.51
60.0	7.63	7.63	7.24	7.24	6.74	6.74	6.35	6.35	6.10
90.0	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
120.0	8.52	8.39	8.13	8.01	7.75	7.37	6.99	6.74	6.61
150.0	19.57	19.57	18.68	18.30	17.92	17.41	16.90	16.01	16.01
180.0	24.78	23.64	23.64	22.62	22.62	21.61	21.61	20.59	20.21
210.0	19.95	19.45	18.43	18.43	17.41	16.90	16.40	15.89	15.51
240.0	7.63	7.63	7.24	7.24	6.74	6.74	6.35	6.35	6.10
270.0	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
300.0	8.52	8.39	8.13	8.01	7.75	7.37	6.99	6.74	6.61
330.0	19.57	19.57	18.68	18.30	17.92	17.41	16.90	16.01	16.01
360.0	24.78	23.64	23.64	22.62	22.62	21.61	21.61	20.59	20.21
C/γ(°)	157.5	158.0	158.5	159.0	159.5	160.0	160.5	161.0	161.5
0.0	19.70	19.19	18.68	17.79	17.79	16.78	16.78	15.76	15.51
30.0	15.00	14.11	14.11	13.73	12.84	12.84	11.95	11.44	10.93
60.0	5.72	5.72	5.47	5.47	5.08	5.08	4.70	4.70	4.58
90.0	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
120.0	6.35	6.35	6.10	6.10	5.85	5.59	5.47	5.21	5.21
150.0	15.00	14.62	14.11	13.73	13.35	12.84	12.33	11.95	11.57
180.0	19.70	19.19	18.68	17.79	17.79	16.78	16.78	15.76	15.51
210.0	15.00	14.11	14.11	13.73	12.84	12.84	11.95	11.44	10.93
240.0	5.72	5.72	5.47	5.47	5.08	5.08	4.70	4.70	4.58
270.0	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
300.0	6.35	6.35	6.10	6.10	5.85	5.59	5.47	5.21	5.21
330.0	15.00	14.62	14.11	13.73	13.35	12.84	12.33	11.95	11.57
360.0	19.70	19.19	18.68	17.79	17.79	16.78	16.78	15.76	15.51

Intensity data(cd)									Appendix Page: 28 Total:29	
C/γ(°)	162.0	162.5	163.0	163.5	164.0	164.5	165.0	165.5	166.0	
0.0	14.87	14.49	13.98	13.60	13.09	12.07	12.07	11.18	10.80	
30.0	10.55	10.17	9.66	9.28	8.39	8.39	7.75	7.75	7.12	
60.0	4.45	4.32	4.07	4.07	3.81	3.81	3.56	3.56	3.31	
90.0	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	
120.0	4.96	4.83	4.58	4.58	4.45	4.32	4.07	3.81	3.81	
150.0	10.80	10.80	10.04	9.66	9.15	8.64	8.13	7.75	7.24	
180.0	14.87	14.49	13.98	13.60	13.09	12.07	12.07	11.18	10.80	
210.0	10.55	10.17	9.66	9.28	8.39	8.39	7.75	7.75	7.12	
240.0	4.45	4.32	4.07	4.07	3.81	3.81	3.56	3.56	3.31	
270.0	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	
300.0	4.96	4.83	4.58	4.58	4.45	4.32	4.07	3.81	3.81	
330.0	10.80	10.80	10.04	9.66	9.15	8.64	8.13	7.75	7.24	
360.0	14.87	14.49	13.98	13.60	13.09	12.07	12.07	11.18	10.80	
C/γ(°)	166.5	167.0	167.5	168.0	168.5	169.0	169.5	170.0	170.5	
0.0	10.29	10.29	9.40	9.02	8.64	7.50	7.50	6.61	6.61	
30.0	6.61	6.48	6.10	5.97	5.72	5.47	5.08	5.08	4.70	
60.0	3.31	3.18	3.05	3.05	2.92	2.92	2.67	2.67	2.54	
90.0	1.02	1.02	1.02	1.02	1.02	1.14	1.14	1.14	1.14	
120.0	3.56	3.56	3.43	3.31	3.05	3.05	2.92	2.92	2.80	
150.0	6.61	6.61	5.85	5.85	5.08	4.83	4.32	3.94	3.94	
180.0	10.29	10.29	9.40	9.02	8.64	7.50	7.50	6.61	6.61	
210.0	6.61	6.48	6.10	5.97	5.72	5.47	5.08	5.08	4.70	
240.0	3.31	3.18	3.05	3.05	2.92	2.92	2.67	2.67	2.54	
270.0	1.02	1.02	1.02	1.02	1.02	1.14	1.14	1.14	1.14	
300.0	3.56	3.56	3.43	3.31	3.05	3.05	2.92	2.92	2.80	
330.0	6.61	6.61	5.85	5.85	5.08	4.83	4.32	3.94	3.94	
360.0	10.29	10.29	9.40	9.02	8.64	7.50	7.50	6.61	6.61	
C/γ(°)	171.0	171.5	172.0	172.5	173.0	173.5	174.0	174.5	175.0	
0.0	5.97	5.85	5.08	4.83	4.45	4.19	3.94	3.31	3.31	
30.0	4.45	4.19	3.94	3.81	3.43	3.43	3.05	2.92	2.54	
60.0	2.54	2.42	2.42	2.29	2.03	2.03	1.91	1.91	1.78	
90.0	1.14	1.14	1.14	1.14	1.14	1.14	1.27	1.27	1.27	
120.0	2.80	2.80	2.54	2.54	2.42	2.42	2.42	2.29	2.16	
150.0	3.81	3.69	3.43	3.43	3.18	2.92	2.80	2.67	2.54	
180.0	5.97	5.85	5.08	4.83	4.45	4.19	3.94	3.31	3.31	
210.0	4.45	4.19	3.94	3.81	3.43	3.43	3.05	2.92	2.54	
240.0	2.54	2.42	2.42	2.29	2.03	2.03	1.91	1.91	1.78	
270.0	1.14	1.14	1.14	1.14	1.14	1.14	1.27	1.27	1.27	
300.0	2.80	2.80	2.54	2.54	2.42	2.42	2.42	2.29	2.16	
330.0	3.81	3.69	3.43	3.43	3.18	2.92	2.80	2.67	2.54	
360.0	5.97	5.85	5.08	4.83	4.45	4.19	3.94	3.31	3.31	
C/γ(°)	175.5	176.0	176.5	177.0	177.5	178.0	178.5	179.0	179.5	
0.0	2.80	2.80	2.54	2.54	2.42	2.42	2.29	2.29	1.65	
30.0	2.54	2.54	2.29	2.16	2.03	2.03	1.78	1.78	1.53	
60.0	1.78	1.65	1.65	1.53	1.53	1.40	1.27	1.27	1.27	
90.0	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	
120.0	2.03	1.91	1.91	1.91	1.78	1.78	1.65	1.65	1.65	
150.0	2.42	2.16	2.03	1.91	1.78	1.78	1.65	1.65	1.65	
180.0	2.80	2.80	2.54	2.54	2.42	2.42	2.29	2.29	1.65	
210.0	2.54	2.54	2.29	2.16	2.03	2.03	1.78	1.78	1.53	
240.0	1.78	1.65	1.65	1.53	1.53	1.40	1.27	1.27	1.27	
270.0	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	
300.0	2.03	1.91	1.91	1.91	1.78	1.78	1.65	1.65	1.65	
330.0	2.42	2.16	2.03	1.91	1.78	1.78	1.65	1.65	1.65	
360.0	2.80	2.80	2.54	2.54	2.42	2.42	2.29	2.29	1.65	

Intensity data(cd)

Appendix Page: 29 Total:29

C/γ(°)	180.0
0.0	1.53
30.0	1.40
60.0	1.14
90.0	1.27
120.0	1.53
150.0	1.65
180.0	1.53
210.0	1.40
240.0	1.14
270.0	1.27
300.0	1.53
330.0	1.65
360.0	1.53