

Report No	:		Voltage	:	V
Test No	:	A2508873A001	Current	:	A
LumCAT	:		Power	:	15.000 W
Luminaire	:	0028920279 15W 3000K 1800lm PF		:	
LampCAT	:		Ballast type	:	
Lamp flux	:	1800.0 lm	Width	:	-300 mm
Number of Lamps	:	1	Length	:	-300 mm
Phm Type	:	C	Height	:	29 mm

Photometric Results

Lumens(lm)	:	1800.00	Central intensity(cd)	:	536.638
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	536.638
Luminous Efficacy(lm/W)	:	120.00	Angle of maximum intensity	:	C=0.0 γ =0.0
Beam Angle(50%Imax)	:	[C0/180]Total=119.4 [C90/270]Total=119.6			
Field angle(10%Imax)	:	[C0/180]Total=171.4 [C90/270]Total=171.6			
Maximum s/h(1/2)	:	C0_180=1.30 C90_270=1.29			
Maximum s/h(1/4)	:	C0_180=1.42 C90_270=1.42			
Up flux rate of lamp(%)	:	5.88%			
Down flux rate of lamp(%)	:	94.12%			
Up flux rate of LUM(%)	:	5.88%			
Down flux rate of LUM(%)	:	94.12%			
CIE Type	:	Direct lighting			
Output flux ratio in π solid angle :	:	70.669%			

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	536.638	0.000	0	0.00%	0.00%
0.5	536.540	0.128	0.128	0.01%	0.01%
1.0	536.244	0.385	0.513	0.02%	0.03%
1.5	536.124	0.641	1.155	0.04%	0.06%
2.0	535.999	0.898	2.052	0.05%	0.11%
2.5	535.859	1.154	3.206	0.06%	0.18%
3.0	535.649	1.409	4.615	0.08%	0.26%
3.5	535.461	1.665	6.28	0.09%	0.35%
4.0	535.202	1.920	8.2	0.11%	0.46%
4.5	534.931	2.174	10.374	0.12%	0.58%
5.0	534.656	2.428	12.802	0.13%	0.71%
5.5	534.331	2.682	15.484	0.15%	0.86%
6.0	533.933	2.934	18.418	0.16%	1.02%
6.5	533.524	3.186	21.604	0.18%	1.20%
7.0	533.110	3.437	25.041	0.19%	1.39%
7.5	532.608	3.687	28.728	0.20%	1.60%
8.0	532.164	3.936	32.665	0.22%	1.81%
8.5	531.506	4.184	36.849	0.23%	2.05%
9.0	530.965	4.431	41.28	0.25%	2.29%
9.5	530.309	4.677	45.957	0.26%	2.55%
10.0	529.663	4.921	50.878	0.27%	2.83%
10.5	528.895	5.164	56.042	0.29%	3.11%
11.0	528.152	5.405	61.448	0.30%	3.41%
11.5	527.257	5.645	67.093	0.31%	3.73%
12.0	526.377	5.882	72.975	0.33%	4.05%
12.5	525.618	6.119	79.094	0.34%	4.39%
13.0	524.468	6.354	85.448	0.35%	4.75%
13.5	523.695	6.586	92.034	0.37%	5.11%
14.0	522.614	6.818	98.852	0.38%	5.49%
14.5	521.570	7.047	105.899	0.39%	5.88%
15.0	520.587	7.274	113.173	0.40%	6.29%
15.5	519.453	7.500	120.673	0.42%	6.70%
16.0	518.293	7.723	128.396	0.43%	7.13%
16.5	517.176	7.944	136.339	0.44%	7.57%
17.0	515.917	8.163	144.502	0.45%	8.03%
17.5	514.663	8.378	152.88	0.47%	8.49%
18.0	513.359	8.592	161.473	0.48%	8.97%
18.5	511.712	8.801	170.273	0.49%	9.46%

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

Date:
Humidity(%): 59.0%

Operator: LSC

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	510.380	9.007	179.28	0.50%	9.96%
19.5	508.950	9.213	188.494	0.51%	10.47%
20.0	507.367	9.415	197.909	0.52%	10.99%
20.5	505.878	9.615	207.524	0.53%	11.53%
21.0	504.400	9.813	217.337	0.55%	12.07%
21.5	502.816	10.008	227.345	0.56%	12.63%
22.0	501.161	10.199	237.544	0.57%	13.20%
22.5	499.500	10.388	247.932	0.58%	13.77%
23.0	497.527	10.570	258.502	0.59%	14.36%
23.5	496.011	10.752	269.254	0.60%	14.96%
24.0	493.981	10.931	280.185	0.61%	15.57%
24.5	492.312	11.106	291.291	0.62%	16.18%
25.0	490.408	11.279	302.57	0.63%	16.81%
25.5	488.290	11.445	314.016	0.64%	17.45%
26.0	486.370	11.609	325.625	0.64%	18.09%
26.5	484.436	11.772	337.396	0.65%	18.74%
27.0	482.156	11.927	349.324	0.66%	19.41%
27.5	479.827	12.076	361.399	0.67%	20.08%
28.0	478.089	12.228	373.627	0.68%	20.76%
28.5	475.568	12.375	386.002	0.69%	21.44%
29.0	473.700	12.518	398.52	0.70%	22.14%
29.5	471.248	12.658	411.178	0.70%	22.84%
30.0	468.897	12.790	423.968	0.71%	23.55%
30.5	466.809	12.923	436.891	0.72%	24.27%
31.0	464.445	13.054	449.945	0.73%	25.00%
31.5	461.989	13.176	463.121	0.73%	25.73%
32.0	459.748	13.297	476.418	0.74%	26.47%
32.5	457.198	13.414	489.832	0.75%	27.21%
33.0	454.470	13.521	503.353	0.75%	27.96%
33.5	452.291	13.630	516.983	0.76%	28.72%
34.0	449.118	13.730	530.713	0.76%	29.48%
34.5	446.596	13.820	544.534	0.77%	30.25%
35.0	444.011	13.917	558.451	0.77%	31.03%
35.5	441.187	14.006	572.457	0.78%	31.80%
36.0	438.500	14.090	586.547	0.78%	32.59%
36.5	435.768	14.173	600.72	0.79%	33.37%
37.0	432.831	14.248	614.968	0.79%	34.16%
37.5	430.072	14.319	629.288	0.80%	34.96%

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

Date:
Humidity(%): 59.0%

Operator: LSC

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	427.254	14.390	643.677	0.80%	35.76%
38.5	423.953	14.447	658.124	0.80%	36.56%
39.0	421.705	14.511	672.636	0.81%	37.37%
39.5	418.203	14.569	687.205	0.81%	38.18%
40.0	415.213	14.610	701.815	0.81%	38.99%
40.5	412.101	14.655	716.47	0.81%	39.80%
41.0	408.952	14.693	731.163	0.82%	40.62%
41.5	405.757	14.727	745.89	0.82%	41.44%
42.0	402.851	14.761	760.652	0.82%	42.26%
42.5	399.550	14.791	775.442	0.82%	43.08%
43.0	396.139	14.807	790.25	0.82%	43.90%
43.5	393.729	14.837	805.087	0.82%	44.73%
44.0	390.113	14.860	819.948	0.83%	45.55%
44.5	387.311	14.872	834.82	0.83%	46.38%
45.0	383.246	14.872	849.692	0.83%	47.21%
45.5	379.358	14.848	864.54	0.82%	48.03%
46.0	376.062	14.835	879.375	0.82%	48.85%
46.5	372.437	14.823	894.198	0.82%	49.68%
47.0	368.620	14.798	908.996	0.82%	50.50%
47.5	365.155	14.772	923.768	0.82%	51.32%
48.0	361.943	14.755	938.524	0.82%	52.14%
48.5	357.857	14.722	953.246	0.82%	52.96%
49.0	354.687	14.687	967.933	0.82%	53.77%
49.5	350.290	14.642	982.575	0.81%	54.59%
50.0	346.872	14.588	997.162	0.81%	55.40%
50.5	343.204	14.546	1011.708	0.81%	56.21%
51.0	339.226	14.488	1026.196	0.80%	57.01%
51.5	335.480	14.426	1040.622	0.80%	57.81%
52.0	331.695	14.364	1054.986	0.80%	58.61%
52.5	327.616	14.292	1069.278	0.79%	59.40%
53.0	323.817	14.216	1083.494	0.79%	60.19%
53.5	320.147	14.146	1097.64	0.79%	60.98%
54.0	315.439	14.052	1111.692	0.78%	61.76%
54.5	311.964	13.960	1125.652	0.78%	62.54%
55.0	307.354	13.866	1139.517	0.77%	63.31%
55.5	303.172	13.753	1153.27	0.76%	64.07%
56.0	299.458	13.656	1166.926	0.76%	64.83%
56.5	295.296	13.557	1180.484	0.75%	65.58%

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

Date:
Humidity(%): 59.0%

Operator: LSC

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	291.093	13.444	1193.928	0.75%	66.33%
57.5	287.290	13.336	1207.264	0.74%	67.07%
58.0	282.973	13.222	1220.486	0.73%	67.80%
58.5	278.137	13.081	1233.567	0.73%	68.53%
59.0	274.466	12.952	1246.519	0.72%	69.25%
59.5	269.944	12.827	1259.346	0.71%	69.96%
60.0	265.956	12.691	1272.037	0.71%	70.67%
60.5	261.183	12.547	1284.584	0.70%	71.37%
61.0	256.600	12.385	1296.97	0.69%	72.05%
61.5	252.308	12.232	1309.202	0.68%	72.73%
62.0	248.193	12.087	1321.289	0.67%	73.40%
62.5	243.658	11.933	1333.222	0.66%	74.07%
63.0	239.233	11.769	1344.992	0.65%	74.72%
63.5	234.886	11.607	1356.599	0.64%	75.37%
64.0	229.745	11.424	1368.023	0.63%	76.00%
64.5	225.948	11.252	1379.276	0.63%	76.63%
65.0	220.746	11.076	1390.352	0.62%	77.24%
65.5	216.507	10.886	1401.238	0.60%	77.85%
66.0	211.474	10.698	1411.936	0.59%	78.44%
66.5	206.708	10.494	1422.43	0.58%	79.02%
67.0	203.068	10.322	1432.752	0.57%	79.60%
67.5	198.785	10.160	1442.912	0.56%	80.16%
68.0	194.429	9.977	1452.889	0.55%	80.72%
68.5	189.194	9.768	1462.658	0.54%	81.26%
69.0	184.705	9.554	1472.211	0.53%	81.79%
69.5	179.129	9.328	1481.539	0.52%	82.31%
70.0	175.285	9.116	1490.655	0.51%	82.81%
70.5	170.345	8.918	1499.573	0.50%	83.31%
71.0	166.142	8.709	1508.282	0.48%	83.79%
71.5	161.472	8.505	1516.787	0.47%	84.27%
72.0	156.818	8.287	1525.075	0.46%	84.73%
72.5	152.263	8.070	1533.145	0.45%	85.17%
73.0	148.144	7.865	1541.01	0.44%	85.61%
73.5	143.563	7.658	1548.668	0.43%	86.04%
74.0	138.702	7.429	1556.097	0.41%	86.45%
74.5	135.011	7.222	1563.32	0.40%	86.85%
75.0	129.749	7.003	1570.323	0.39%	87.24%
75.5	126.124	6.784	1577.106	0.38%	87.62%

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

Date:
Humidity(%): 59.0%

Operator: LSC

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	121.472	6.579	1583.685	0.37%	87.98%
76.5	117.024	6.351	1590.036	0.35%	88.34%
77.0	112.958	6.137	1596.174	0.34%	88.68%
77.5	108.955	5.934	1602.107	0.33%	89.01%
78.0	104.779	5.726	1607.834	0.32%	89.32%
78.5	100.908	5.521	1613.355	0.31%	89.63%
79.0	97.369	5.331	1618.686	0.30%	89.93%
79.5	93.053	5.129	1623.815	0.28%	90.21%
80.0	89.943	4.937	1628.752	0.27%	90.49%
80.5	85.831	4.749	1633.501	0.26%	90.75%
81.0	82.567	4.557	1638.058	0.25%	91.00%
81.5	79.297	4.386	1642.444	0.24%	91.25%
82.0	75.799	4.208	1646.652	0.23%	91.48%
82.5	72.647	4.033	1650.684	0.22%	91.70%
83.0	69.684	3.871	1654.555	0.22%	91.92%
83.5	66.563	3.709	1658.264	0.21%	92.13%
84.0	63.718	3.550	1661.815	0.20%	92.32%
84.5	61.093	3.405	1665.219	0.19%	92.51%
85.0	58.135	3.255	1668.474	0.18%	92.69%
85.5	55.959	3.117	1671.592	0.17%	92.87%
86.0	52.972	2.978	1674.57	0.17%	93.03%
86.5	50.532	2.832	1677.401	0.16%	93.19%
87.0	48.370	2.707	1680.108	0.15%	93.34%
87.5	46.155	2.588	1682.697	0.14%	93.48%
88.0	44.141	2.474	1685.17	0.14%	93.62%
88.5	42.512	2.375	1687.545	0.13%	93.75%
89.0	40.660	2.280	1689.825	0.13%	93.88%
89.5	38.754	2.177	1692.002	0.12%	94.00%
90.0	37.405	2.088	1694.089	0.12%	94.12%
90.5	35.604	2.002	1696.091	0.11%	94.23%
91.0	34.405	1.919	1698.01	0.11%	94.33%
91.5	32.920	1.845	1699.856	0.10%	94.44%
92.0	31.620	1.769	1701.624	0.10%	94.53%
92.5	30.512	1.702	1703.326	0.09%	94.63%
93.0	29.465	1.642	1704.969	0.09%	94.72%
93.5	28.489	1.586	1706.555	0.09%	94.81%
94.0	27.618	1.535	1708.09	0.09%	94.89%
94.5	26.887	1.490	1709.58	0.08%	94.98%

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

Date:
Humidity(%): 59.0%

Operator: LSC

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	26.030	1.446	1711.026	0.08%	95.06%
95.5	25.479	1.406	1712.432	0.08%	95.14%
96.0	24.830	1.372	1713.804	0.08%	95.21%
96.5	24.344	1.340	1715.144	0.07%	95.29%
97.0	23.919	1.314	1716.458	0.07%	95.36%
97.5	23.484	1.289	1717.747	0.07%	95.43%
98.0	23.129	1.266	1719.014	0.07%	95.50%
98.5	22.814	1.247	1720.26	0.07%	95.57%
99.0	22.548	1.229	1721.489	0.07%	95.64%
99.5	22.304	1.214	1722.703	0.07%	95.71%
100.0	22.136	1.201	1723.904	0.07%	95.77%
100.5	21.912	1.188	1725.092	0.07%	95.84%
101.0	21.772	1.177	1726.269	0.07%	95.90%
101.5	21.645	1.167	1727.436	0.06%	95.97%
102.0	21.545	1.159	1728.595	0.06%	96.03%
102.5	21.435	1.151	1729.747	0.06%	96.10%
103.0	21.316	1.143	1730.89	0.06%	96.16%
103.5	21.219	1.135	1732.025	0.06%	96.22%
104.0	21.114	1.127	1733.152	0.06%	96.29%
104.5	21.043	1.120	1734.272	0.06%	96.35%
105.0	20.958	1.114	1735.386	0.06%	96.41%
105.5	20.872	1.106	1736.492	0.06%	96.47%
106.0	20.781	1.099	1737.591	0.06%	96.53%
106.5	20.665	1.091	1738.682	0.06%	96.59%
107.0	20.559	1.082	1739.764	0.06%	96.65%
107.5	20.464	1.074	1740.839	0.06%	96.71%
108.0	20.385	1.067	1741.905	0.06%	96.77%
108.5	20.284	1.059	1742.964	0.06%	96.83%
109.0	20.183	1.051	1744.015	0.06%	96.89%
109.5	20.086	1.042	1745.057	0.06%	96.95%
110.0	19.985	1.034	1746.091	0.06%	97.01%
110.5	19.862	1.025	1747.116	0.06%	97.06%
111.0	19.787	1.016	1748.132	0.06%	97.12%
111.5	19.693	1.009	1749.141	0.06%	97.17%
112.0	19.591	1.000	1750.141	0.06%	97.23%
112.5	19.493	0.992	1751.133	0.06%	97.29%
113.0	19.383	0.983	1752.116	0.05%	97.34%
113.5	19.252	0.973	1753.089	0.05%	97.39%

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

Date:
Humidity(%): 59.0%

Operator: LSC

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	19.100	0.962	1754.051	0.05%	97.45%
114.5	18.992	0.952	1755.004	0.05%	97.50%
115.0	18.863	0.942	1755.946	0.05%	97.55%
115.5	18.749	0.933	1756.879	0.05%	97.60%
116.0	18.617	0.923	1757.801	0.05%	97.66%
116.5	18.531	0.913	1758.715	0.05%	97.71%
117.0	18.361	0.903	1759.618	0.05%	97.76%
117.5	18.239	0.892	1760.51	0.05%	97.81%
118.0	18.138	0.883	1761.393	0.05%	97.86%
118.5	18.024	0.873	1762.266	0.05%	97.90%
119.0	17.896	0.863	1763.129	0.05%	97.95%
119.5	17.787	0.854	1763.983	0.05%	98.00%
120.0	17.663	0.844	1764.827	0.05%	98.05%
120.5	17.508	0.833	1765.66	0.05%	98.09%
121.0	17.388	0.822	1766.482	0.05%	98.14%
121.5	17.253	0.812	1767.294	0.05%	98.18%
122.0	17.133	0.802	1768.095	0.04%	98.23%
122.5	16.983	0.791	1768.886	0.04%	98.27%
123.0	16.850	0.780	1769.666	0.04%	98.31%
123.5	16.712	0.769	1770.436	0.04%	98.36%
124.0	16.577	0.759	1771.195	0.04%	98.40%
124.5	16.424	0.748	1771.943	0.04%	98.44%
125.0	16.284	0.737	1772.679	0.04%	98.48%
125.5	16.168	0.727	1773.406	0.04%	98.52%
126.0	16.006	0.716	1774.122	0.04%	98.56%
126.5	15.897	0.705	1774.827	0.04%	98.60%
127.0	15.730	0.695	1775.522	0.04%	98.64%
127.5	15.579	0.683	1776.205	0.04%	98.68%
128.0	15.416	0.672	1776.877	0.04%	98.72%
128.5	15.263	0.661	1777.537	0.04%	98.75%
129.0	15.143	0.650	1778.188	0.04%	98.79%
129.5	15.010	0.640	1778.828	0.04%	98.82%
130.0	14.850	0.629	1779.457	0.03%	98.86%
130.5	14.680	0.618	1780.075	0.03%	98.89%
131.0	14.544	0.607	1780.682	0.03%	98.93%
131.5	14.370	0.596	1781.278	0.03%	98.96%
132.0	14.242	0.585	1781.863	0.03%	98.99%
132.5	14.055	0.574	1782.437	0.03%	99.02%

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

Date:
Humidity(%): 59.0%

Operator: LSC

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	13.871	0.562	1783	0.03%	99.06%
133.5	13.749	0.552	1783.551	0.03%	99.09%
134.0	13.585	0.541	1784.092	0.03%	99.12%
134.5	13.418	0.530	1784.623	0.03%	99.15%
135.0	13.258	0.519	1785.142	0.03%	99.17%
135.5	13.109	0.509	1785.651	0.03%	99.20%
136.0	12.933	0.498	1786.149	0.03%	99.23%
136.5	12.782	0.488	1786.637	0.03%	99.26%
137.0	12.590	0.477	1787.113	0.03%	99.28%
137.5	12.435	0.466	1787.579	0.03%	99.31%
138.0	12.268	0.455	1788.034	0.03%	99.34%
138.5	12.078	0.444	1788.479	0.02%	99.36%
139.0	11.918	0.434	1788.913	0.02%	99.38%
139.5	11.751	0.424	1789.336	0.02%	99.41%
140.0	11.582	0.413	1789.749	0.02%	99.43%
140.5	11.410	0.403	1790.153	0.02%	99.45%
141.0	11.256	0.393	1790.546	0.02%	99.47%
141.5	11.068	0.383	1790.929	0.02%	99.50%
142.0	10.914	0.373	1791.302	0.02%	99.52%
142.5	10.714	0.363	1791.665	0.02%	99.54%
143.0	10.486	0.352	1792.017	0.02%	99.56%
143.5	10.342	0.342	1792.358	0.02%	99.58%
144.0	10.189	0.333	1792.691	0.02%	99.59%
144.5	10.028	0.324	1793.015	0.02%	99.61%
145.0	9.863	0.315	1793.33	0.02%	99.63%
145.5	9.685	0.305	1793.635	0.02%	99.65%
146.0	9.511	0.296	1793.931	0.02%	99.66%
146.5	9.361	0.287	1794.219	0.02%	99.68%
147.0	9.154	0.278	1794.497	0.02%	99.69%
147.5	9.014	0.269	1794.767	0.01%	99.71%
148.0	8.829	0.261	1795.028	0.01%	99.72%
148.5	8.643	0.252	1795.28	0.01%	99.74%
149.0	8.507	0.244	1795.523	0.01%	99.75%
149.5	8.304	0.236	1795.759	0.01%	99.76%
150.0	8.072	0.226	1795.985	0.01%	99.78%
150.5	7.897	0.217	1796.203	0.01%	99.79%
151.0	7.747	0.210	1796.412	0.01%	99.80%
151.5	7.550	0.202	1796.614	0.01%	99.81%

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

Date:
Humidity(%): 59.0%

Operator: LSC

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	7.408	0.194	1796.808	0.01%	99.82%
152.5	7.201	0.186	1796.994	0.01%	99.83%
153.0	7.039	0.179	1797.173	0.01%	99.84%
153.5	6.884	0.172	1797.345	0.01%	99.85%
154.0	6.711	0.165	1797.51	0.01%	99.86%
154.5	6.520	0.158	1797.667	0.01%	99.87%
155.0	6.316	0.150	1797.818	0.01%	99.88%
155.5	6.105	0.143	1797.96	0.01%	99.89%
156.0	5.935	0.136	1798.096	0.01%	99.89%
156.5	5.768	0.129	1798.225	0.01%	99.90%
157.0	5.555	0.123	1798.347	0.01%	99.91%
157.5	5.401	0.116	1798.464	0.01%	99.91%
158.0	5.245	0.111	1798.574	0.01%	99.92%
158.5	5.054	0.105	1798.679	0.01%	99.93%
159.0	4.878	0.099	1798.777	0.01%	99.93%
159.5	4.702	0.093	1798.87	0.01%	99.94%
160.0	4.519	0.087	1798.958	0.00%	99.94%
160.5	4.365	0.082	1799.04	0.00%	99.95%
161.0	4.192	0.077	1799.118	0.00%	99.95%
161.5	4.011	0.072	1799.19	0.00%	99.95%
162.0	3.878	0.068	1799.258	0.00%	99.96%
162.5	3.710	0.063	1799.321	0.00%	99.96%
163.0	3.584	0.059	1799.38	0.00%	99.97%
163.5	3.426	0.055	1799.436	0.00%	99.97%
164.0	3.286	0.051	1799.487	0.00%	99.97%
164.5	3.169	0.048	1799.535	0.00%	99.97%
165.0	3.029	0.045	1799.58	0.00%	99.98%
165.5	2.893	0.041	1799.621	0.00%	99.98%
166.0	2.760	0.038	1799.659	0.00%	99.98%
166.5	2.652	0.035	1799.695	0.00%	99.98%
167.0	2.487	0.032	1799.727	0.00%	99.98%
167.5	2.372	0.029	1799.756	0.00%	99.99%
168.0	2.268	0.027	1799.783	0.00%	99.99%
168.5	2.168	0.025	1799.808	0.00%	99.99%
169.0	2.030	0.022	1799.831	0.00%	99.99%
169.5	1.920	0.020	1799.851	0.00%	99.99%
170.0	1.825	0.018	1799.869	0.00%	99.99%
170.5	1.740	0.017	1799.886	0.00%	99.99%

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

Date:
Humidity(%): 59.0%

Operator: LSC

Zonal flux distribution table

Appendix Page: 11 Total:29

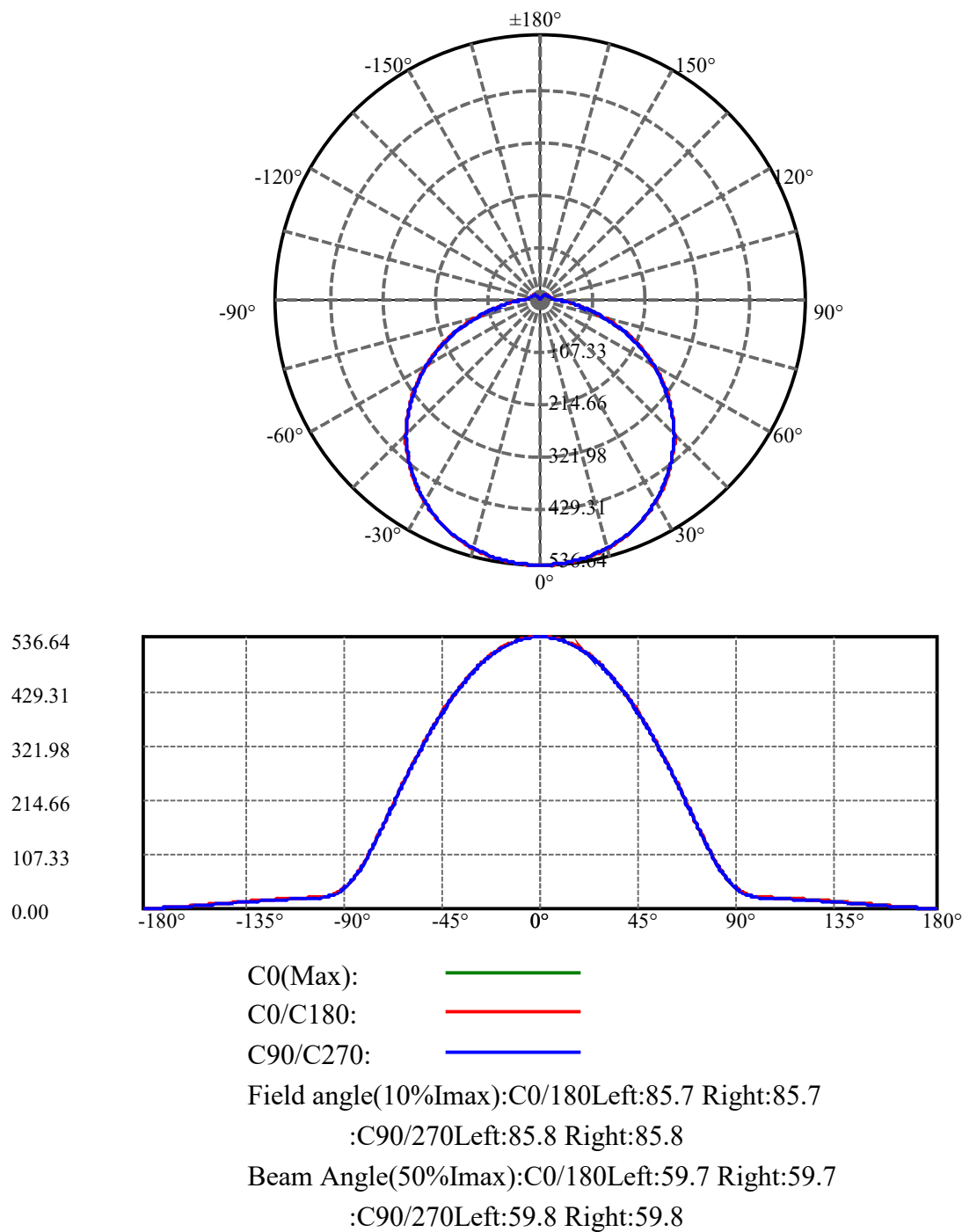
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
171.0	1.623	0.015	1799.9	0.00%	99.99%
171.5	1.550	0.013	1799.914	0.00%	100.00%
172.0	1.483	0.012	1799.926	0.00%	100.00%
172.5	1.392	0.011	1799.936	0.00%	100.00%
173.0	1.335	0.009	1799.946	0.00%	100.00%
173.5	1.282	0.008	1799.954	0.00%	100.00%
174.0	1.209	0.007	1799.961	0.00%	100.00%
174.5	1.163	0.007	1799.968	0.00%	100.00%
175.0	1.132	0.006	1799.974	0.00%	100.00%
175.5	1.137	0.005	1799.979	0.00%	100.00%
176.0	1.122	0.005	1799.983	0.00%	100.00%
176.5	1.079	0.004	1799.987	0.00%	100.00%
177.0	1.067	0.003	1799.991	0.00%	100.00%
177.5	1.067	0.003	1799.994	0.00%	100.00%
178.0	1.068	0.002	1799.996	0.00%	100.00%
178.5	1.063	0.002	1799.998	0.00%	100.00%
179.0	1.058	0.001	1799.999	0.00%	100.00%
179.5	1.032	0.001	1800	0.00%	100.00%
180.0	1.043	0.000	1800	0.00%	100.00%

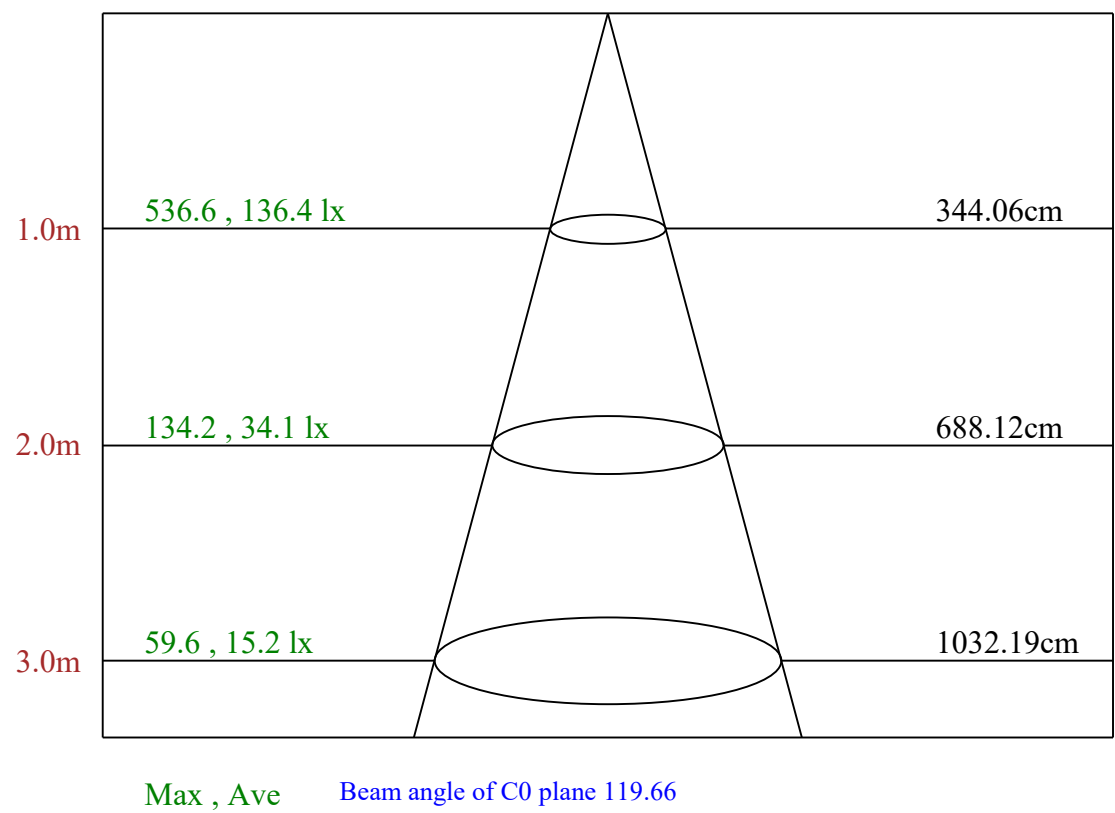
ZONAL LUMEN SUMMARY

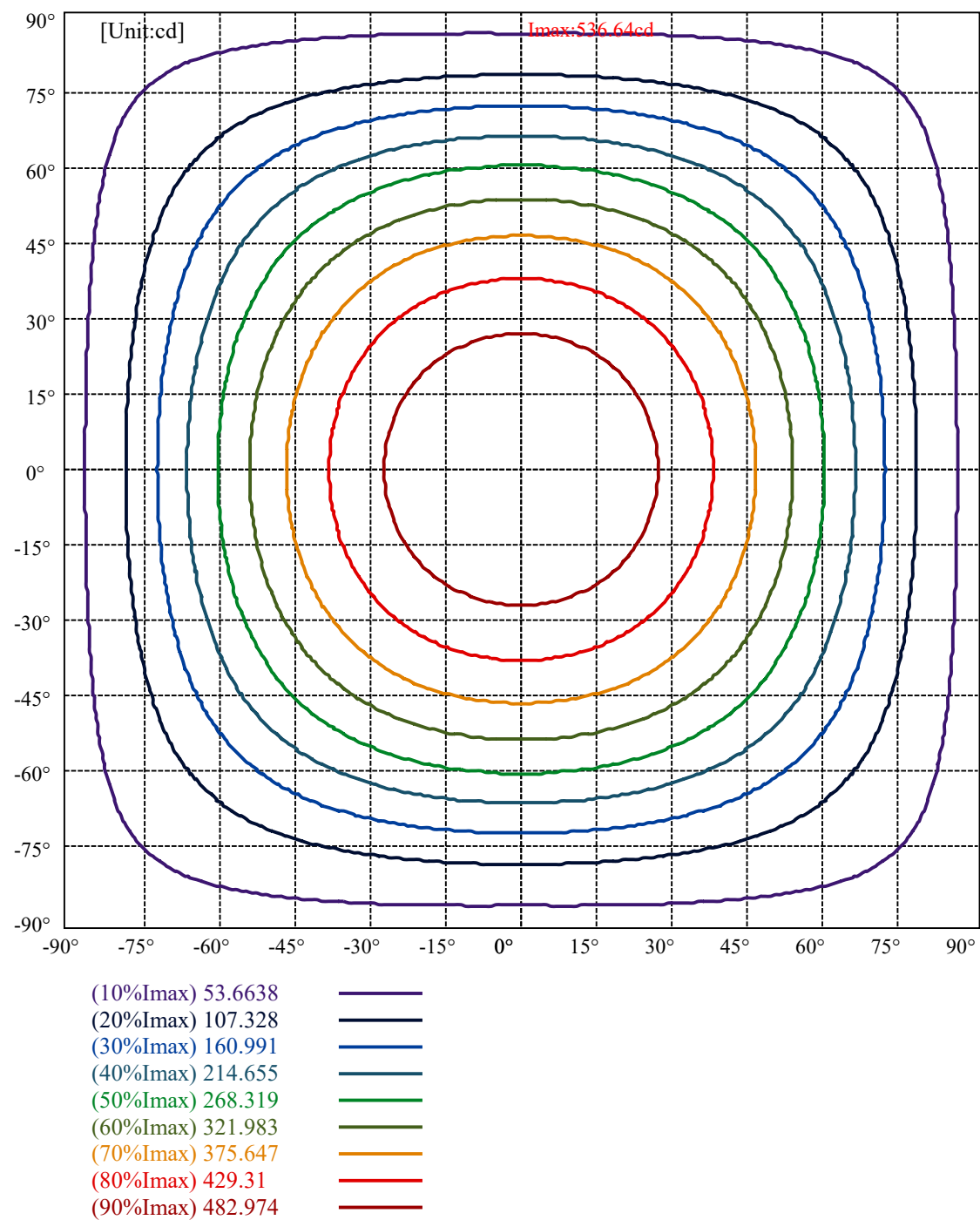
Zone	Lumens	%Lamp	%Fixt
0-30	423.97	23.55%	23.55%
0-40	701.82	38.99%	38.99%
0-60	1272.04	70.67%	70.67%
0-90	1694.09	94.12%	94.12%
0-120	1764.83	98.05%	98.05%
0-180	1800.00	100.00%	100.00%
60-90	422.05	23.45%	23.45%
90-120	70.74	3.93%	3.93%
90-130	85.37	4.74%	4.74%
90-150	101.90	5.66%	5.66%
90-180	105.91	5.88%	5.88%
0-67.36	1440.00	80.00%	80.00%

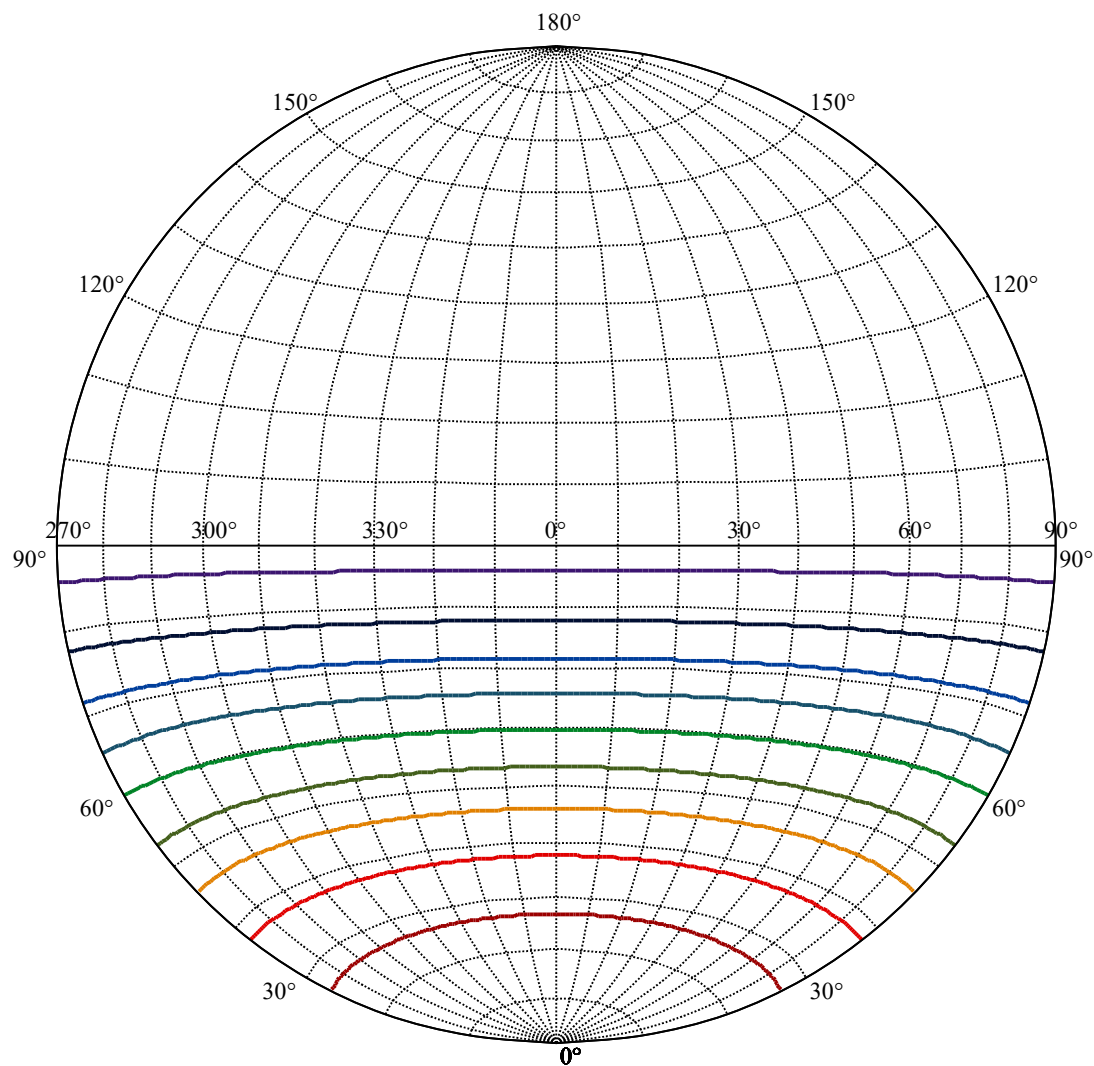
ZONAL LUMEN SUMMARY

0-10	50.88
10-20	147.03
20-30	226.06
30-40	277.85
40-50	295.35
50-60	274.88
60-70	218.62
70-80	138.10
80-90	65.34
90-100	29.81
100-110	22.19
110-120	18.74
120-130	14.63
130-140	10.29
140-150	6.24
150-160	2.97
160-170	0.91
170-180	0.13







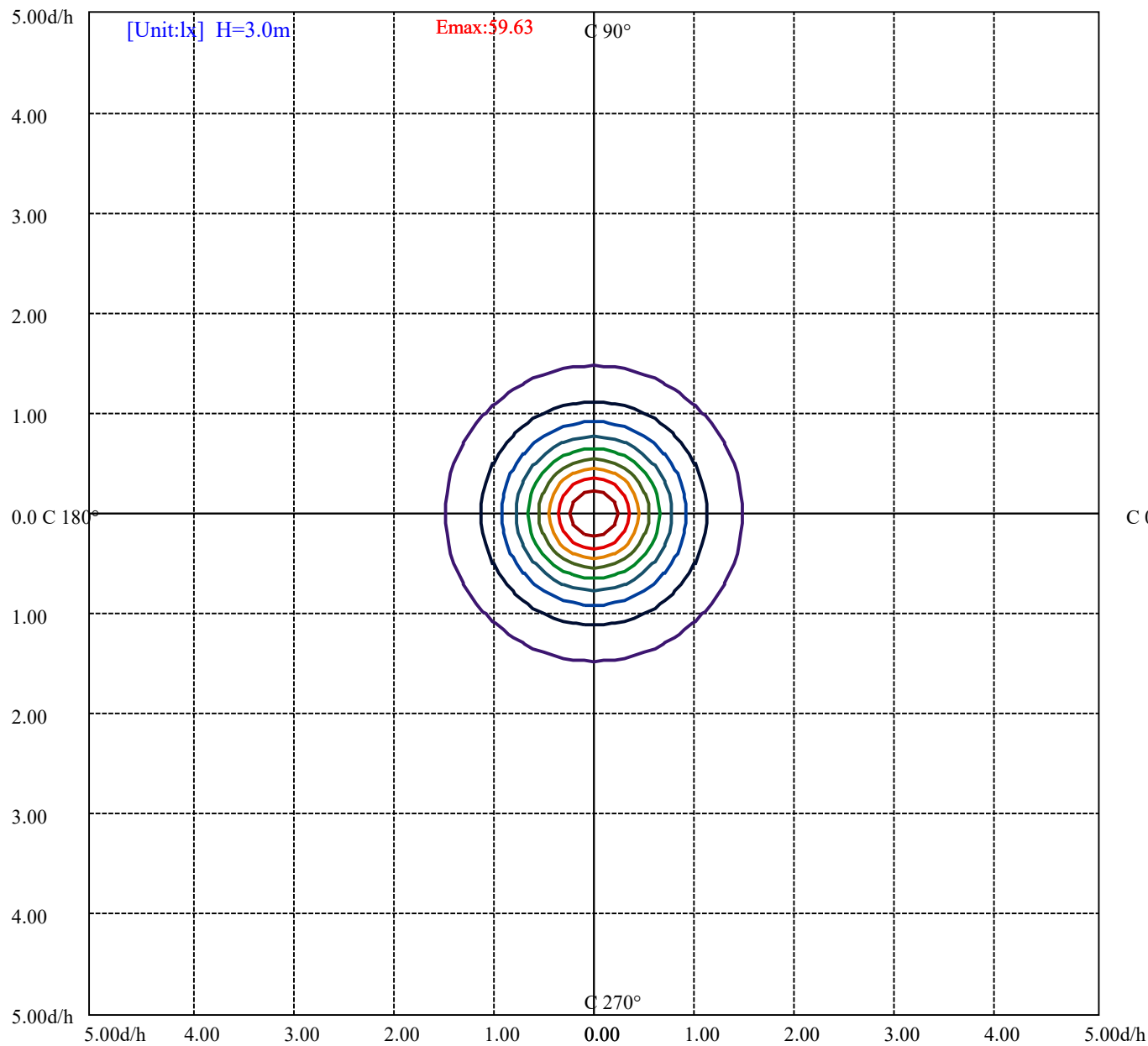


House

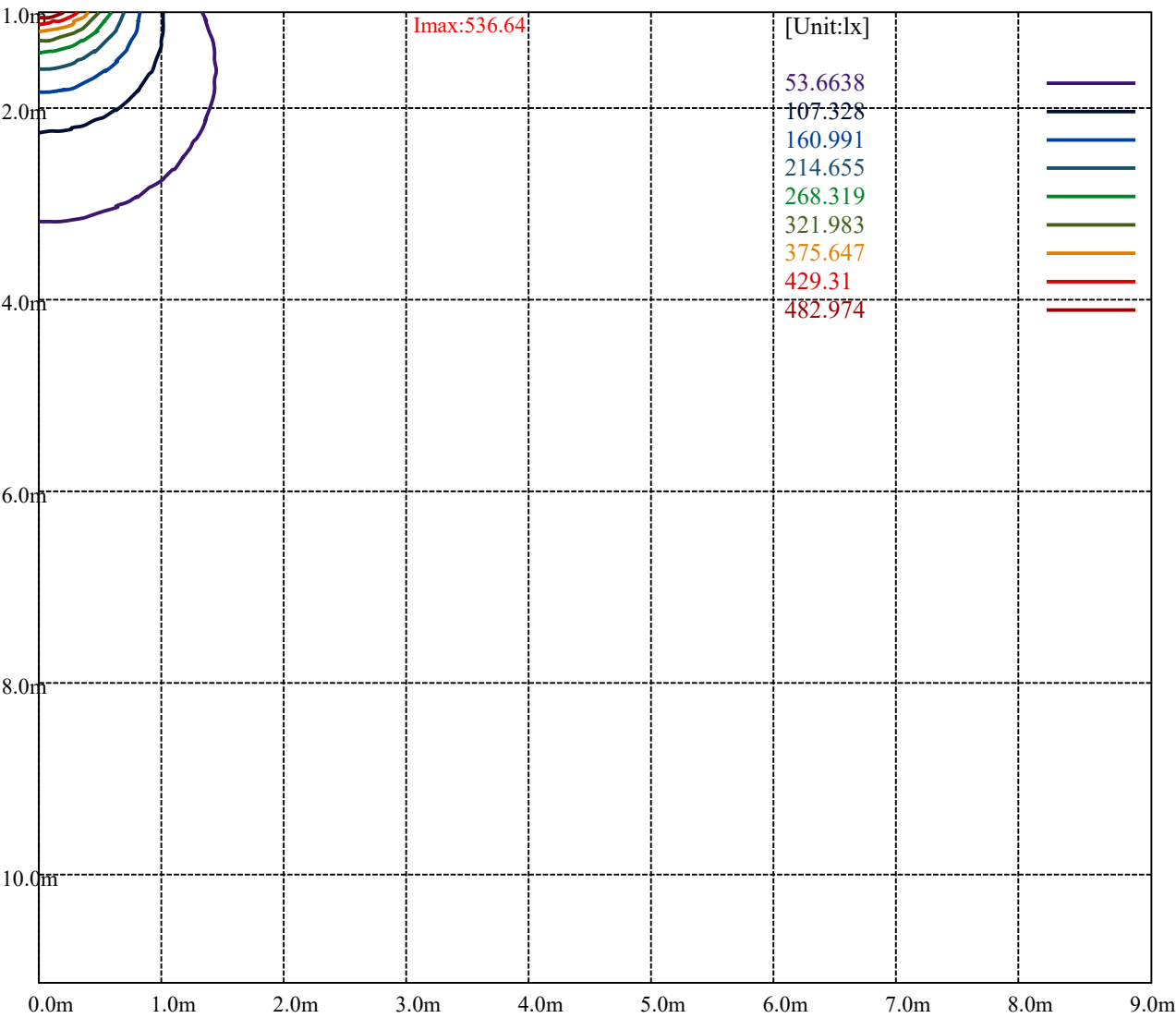
[Unit:cd]

Road

Imax:536.64	
(10%Imax) 53.6638	
(20%Imax) 107.328	
(30%Imax) 160.991	
(40%Imax) 214.655	
(50%Imax) 268.319	
(60%Imax) 321.983	
(70%Imax) 375.647	
(80%Imax) 429.31	
(90%Imax) 482.974	



(10%Emax)	5.962645	
(20%Emax)	11.92533	
(30%Emax)	17.88789	
(40%Emax)	23.85056	
(50%Emax)	29.81322	
(60%Emax)	35.77589	
(70%Emax)	41.73856	
(80%Emax)	47.70111	
(90%Emax)	53.66378	



C/γ(°)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
0.0	536.64	536.55	536.43	536.32	536.25	536.09	535.88	535.62	535.39
30.0	536.64	536.53	536.30	536.16	536.07	535.92	535.72	535.50	535.26
60.0	536.64	536.54	536.17	536.04	535.90	535.74	535.55	535.36	535.13
90.0	536.64	536.54	536.09	536.03	535.80	535.74	535.46	535.41	535.05
120.0	536.64	536.54	536.17	536.04	535.90	535.74	535.55	535.36	535.13
150.0	536.64	536.53	536.30	536.16	536.07	535.92	535.72	535.50	535.26
180.0	536.64	536.55	536.43	536.32	536.25	536.09	535.88	535.62	535.39
210.0	536.64	536.53	536.30	536.16	536.07	535.92	535.72	535.50	535.26
240.0	536.64	536.54	536.17	536.04	535.90	535.74	535.55	535.36	535.13
270.0	536.64	536.54	536.09	536.03	535.80	535.74	535.46	535.41	535.05
300.0	536.64	536.54	536.17	536.04	535.90	535.74	535.55	535.36	535.13
330.0	536.64	536.53	536.30	536.16	536.07	535.92	535.72	535.50	535.26
360.0	536.64	536.55	536.43	536.32	536.25	536.09	535.88	535.62	535.39
C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	535.16	534.93	534.65	534.30	533.93	533.49	533.04	532.42	531.79
30.0	534.99	534.71	534.36	533.95	533.56	533.17	532.70	532.16	531.56
60.0	534.80	534.51	534.18	533.73	533.34	532.88	532.44	531.98	531.44
90.0	534.85	534.57	534.25	533.94	533.42	533.08	532.32	532.28	531.24
120.0	534.80	534.51	534.18	533.73	533.34	532.88	532.44	531.98	531.44
150.0	534.99	534.71	534.36	533.95	533.56	533.17	532.70	532.16	531.56
180.0	535.16	534.93	534.65	534.30	533.93	533.49	533.04	532.42	531.79
210.0	534.99	534.71	534.36	533.95	533.56	533.17	532.70	532.16	531.56
240.0	534.80	534.51	534.18	533.73	533.34	532.88	532.44	531.98	531.44
270.0	534.85	534.57	534.25	533.94	533.42	533.08	532.32	532.28	531.24
300.0	534.80	534.51	534.18	533.73	533.34	532.88	532.44	531.98	531.44
330.0	534.99	534.71	534.36	533.95	533.56	533.17	532.70	532.16	531.56
360.0	535.16	534.93	534.65	534.30	533.93	533.49	533.04	532.42	531.79
C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	531.13	530.53	529.92	529.29	528.62	527.88	527.11	526.06	524.90
30.0	530.99	530.37	529.68	528.98	528.20	527.36	526.57	525.64	524.56
60.0	530.86	530.28	529.51	528.72	527.93	526.90	526.12	525.32	524.38
90.0	530.97	530.04	529.69	528.68	528.04	527.14	525.77	525.72	524.03
120.0	530.86	530.28	529.51	528.72	527.93	526.90	526.12	525.32	524.38
150.0	530.99	530.37	529.68	528.98	528.20	527.36	526.57	525.64	524.56
180.0	531.13	530.53	529.92	529.29	528.62	527.88	527.11	526.06	524.90
210.0	530.99	530.37	529.68	528.98	528.20	527.36	526.57	525.64	524.56
240.0	530.86	530.28	529.51	528.72	527.93	526.90	526.12	525.32	524.38
270.0	530.97	530.04	529.69	528.68	528.04	527.14	525.77	525.72	524.03
300.0	530.86	530.28	529.51	528.72	527.93	526.90	526.12	525.32	524.38
330.0	530.99	530.37	529.68	528.98	528.20	527.36	526.57	525.64	524.56
360.0	531.13	530.53	529.92	529.29	528.62	527.88	527.11	526.06	524.90
C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	523.79	522.86	521.90	520.95	519.98	518.91	517.79	516.62	515.45
30.0	523.63	522.75	521.77	520.73	519.61	518.43	517.22	516.00	514.80
60.0	523.56	522.58	521.37	520.47	519.19	517.93	516.91	515.48	514.33
90.0	523.99	522.17	521.24	520.16	519.16	518.13	517.02	515.91	514.27
120.0	523.56	522.58	521.37	520.47	519.19	517.93	516.91	515.48	514.33
150.0	523.63	522.75	521.77	520.73	519.61	518.43	517.22	516.00	514.80
180.0	523.79	522.86	521.90	520.95	519.98	518.91	517.79	516.62	515.45
210.0	523.63	522.75	521.77	520.73	519.61	518.43	517.22	516.00	514.80
240.0	523.56	522.58	521.37	520.47	519.19	517.93	516.91	515.48	514.33
270.0	523.99	522.17	521.24	520.16	519.16	518.13	517.02	515.91	514.27
300.0	523.56	522.58	521.37	520.47	519.19	517.93	516.91	515.48	514.33
330.0	523.63	522.75	521.77	520.73	519.61	518.43	517.22	516.00	514.80
360.0	523.79	522.86	521.90	520.95	519.98	518.91	517.79	516.62	515.45

C/γ(°)	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0
0.0	513.90	512.20	510.57	509.22	507.83	506.41	504.99	503.55	502.07
30.0	513.45	511.90	510.49	509.14	507.61	506.03	504.53	503.02	501.39
60.0	512.95	511.63	510.22	508.92	507.10	505.61	504.11	502.36	500.76
90.0	513.45	511.02	510.28	508.35	506.94	505.58	504.14	502.58	500.61
120.0	512.95	511.63	510.22	508.92	507.10	505.61	504.11	502.36	500.76
150.0	513.45	511.90	510.49	509.14	507.61	506.03	504.53	503.02	501.39
180.0	513.90	512.20	510.57	509.22	507.83	506.41	504.99	503.55	502.07
210.0	513.45	511.90	510.49	509.14	507.61	506.03	504.53	503.02	501.39
240.0	512.95	511.63	510.22	508.92	507.10	505.61	504.11	502.36	500.76
270.0	513.45	511.02	510.28	508.35	506.94	505.58	504.14	502.58	500.61
300.0	512.95	511.63	510.22	508.92	507.10	505.61	504.11	502.36	500.76
330.0	513.45	511.90	510.49	509.14	507.61	506.03	504.53	503.02	501.39
360.0	513.90	512.20	510.57	509.22	507.83	506.41	504.99	503.55	502.07
C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	500.27	498.42	496.33	494.64	492.73	490.89	488.81	487.01	485.17
30.0	499.65	497.84	496.00	494.18	492.50	490.64	488.59	486.57	484.51
60.0	498.94	497.29	495.65	493.91	492.03	490.34	487.97	486.05	484.11
90.0	499.56	496.48	496.43	493.07	492.09	489.60	487.81	485.98	484.21
120.0	498.94	497.29	495.65	493.91	492.03	490.34	487.97	486.05	484.11
150.0	499.65	497.84	496.00	494.18	492.50	490.64	488.59	486.57	484.51
180.0	500.27	498.42	496.33	494.64	492.73	490.89	488.81	487.01	485.17
210.0	499.65	497.84	496.00	494.18	492.50	490.64	488.59	486.57	484.51
240.0	498.94	497.29	495.65	493.91	492.03	490.34	487.97	486.05	484.11
270.0	499.56	496.48	496.43	493.07	492.09	489.60	487.81	485.98	484.21
300.0	498.94	497.29	495.65	493.91	492.03	490.34	487.97	486.05	484.11
330.0	499.65	497.84	496.00	494.18	492.50	490.64	488.59	486.57	484.51
360.0	500.27	498.42	496.33	494.64	492.73	490.89	488.81	487.01	485.17
C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	482.95	480.93	478.54	476.13	473.50	471.45	469.35	467.24	465.06
30.0	482.31	480.27	478.21	475.83	473.60	471.49	469.29	467.00	464.63
60.0	481.56	479.51	477.58	475.57	473.54	471.34	468.60	466.72	464.11
90.0	482.24	478.47	478.43	474.47	474.43	470.39	468.26	466.19	464.12
120.0	481.56	479.51	477.58	475.57	473.54	471.34	468.60	466.72	464.11
150.0	482.31	480.27	478.21	475.83	473.60	471.49	469.29	467.00	464.63
180.0	482.95	480.93	478.54	476.13	473.50	471.45	469.35	467.24	465.06
210.0	482.31	480.27	478.21	475.83	473.60	471.49	469.29	467.00	464.63
240.0	481.56	479.51	477.58	475.57	473.54	471.34	468.60	466.72	464.11
270.0	482.24	478.47	478.43	474.47	474.43	470.39	468.26	466.19	464.12
300.0	481.56	479.51	477.58	475.57	473.54	471.34	468.60	466.72	464.11
330.0	482.31	480.27	478.21	475.83	473.60	471.49	469.29	467.00	464.63
360.0	482.95	480.93	478.54	476.13	473.50	471.45	469.35	467.24	465.06
C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	462.86	460.64	458.43	456.16	453.10	449.77	446.66	444.21	441.72
30.0	462.21	459.77	457.39	455.05	452.42	449.42	446.75	444.28	441.56
60.0	461.45	459.36	456.38	453.93	451.57	449.10	446.44	444.10	440.86
90.0	461.77	459.59	457.22	452.71	452.66	447.90	446.53	443.09	440.57
120.0	461.45	459.36	456.38	453.93	451.57	449.10	446.44	444.10	440.86
150.0	462.21	459.77	457.39	455.05	452.42	449.42	446.75	444.28	441.56
180.0	462.86	460.64	458.43	456.16	453.10	449.77	446.66	444.21	441.72
210.0	462.21	459.77	457.39	455.05	452.42	449.42	446.75	444.28	441.56
240.0	461.45	459.36	456.38	453.93	451.57	449.10	446.44	444.10	440.86
270.0	461.77	459.59	457.22	452.71	452.66	447.90	446.53	443.09	440.57
300.0	461.45	459.36	456.38	453.93	451.57	449.10	446.44	444.10	440.86
330.0	462.21	459.77	457.39	455.05	452.42	449.42	446.75	444.28	441.56
360.0	462.86	460.64	458.43	456.16	453.10	449.77	446.66	444.21	441.72

Intensity data(cd)

Appendix Page: 21 Total:29

C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	439.21	436.67	434.11	431.49	428.06	424.83	421.48	418.51	415.24
30.0	438.74	435.86	433.01	430.34	427.40	424.43	421.74	418.59	415.30
60.0	438.15	435.40	432.01	429.50	426.54	423.87	421.50	418.35	415.11
90.0	438.01	435.42	432.84	429.26	427.58	422.29	422.25	416.82	415.22
120.0	438.15	435.40	432.01	429.50	426.54	423.87	421.50	418.35	415.11
150.0	438.74	435.86	433.01	430.34	427.40	424.43	421.74	418.59	415.30
180.0	439.21	436.67	434.11	431.49	428.06	424.83	421.48	418.51	415.24
210.0	438.74	435.86	433.01	430.34	427.40	424.43	421.74	418.59	415.30
240.0	438.15	435.40	432.01	429.50	426.54	423.87	421.50	418.35	415.11
270.0	438.01	435.42	432.84	429.26	427.58	422.29	422.25	416.82	415.22
300.0	438.15	435.40	432.01	429.50	426.54	423.87	421.50	418.35	415.11
330.0	438.74	435.86	433.01	430.34	427.40	424.43	421.74	418.59	415.30
360.0	439.21	436.67	434.11	431.49	428.06	424.83	421.48	418.51	415.24
C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	412.49	409.71	406.86	403.96	401.02	398.57	395.90	392.88	388.78
30.0	412.30	409.20	406.05	402.88	399.76	396.89	394.01	390.66	387.37
60.0	412.13	408.57	405.07	402.39	398.57	395.37	392.38	389.37	386.32
90.0	411.26	408.47	405.45	402.61	399.63	393.74	393.70	387.74	387.70
120.0	412.13	408.57	405.07	402.39	398.57	395.37	392.38	389.37	386.32
150.0	412.30	409.20	406.05	402.88	399.76	396.89	394.01	390.66	387.37
180.0	412.49	409.71	406.86	403.96	401.02	398.57	395.90	392.88	388.78
210.0	412.30	409.20	406.05	402.88	399.76	396.89	394.01	390.66	387.37
240.0	412.13	408.57	405.07	402.39	398.57	395.37	392.38	389.37	386.32
270.0	411.26	408.47	405.45	402.61	399.63	393.74	393.70	387.74	387.70
300.0	412.13	408.57	405.07	402.39	398.57	395.37	392.38	389.37	386.32
330.0	412.30	409.20	406.05	402.88	399.76	396.89	394.01	390.66	387.37
360.0	412.49	409.71	406.86	403.96	401.02	398.57	395.90	392.88	388.78
C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	384.42	380.10	376.53	373.33	370.11	366.84	363.52	359.80	355.33
30.0	383.84	380.00	376.32	372.55	368.78	365.44	362.20	358.56	354.65
60.0	382.96	378.86	376.01	372.07	367.65	364.50	360.80	357.36	354.01
90.0	381.47	378.33	375.19	372.06	368.76	364.21	362.14	355.51	355.48
120.0	382.96	378.86	376.01	372.07	367.65	364.50	360.80	357.36	354.01
150.0	383.84	380.00	376.32	372.55	368.78	365.44	362.20	358.56	354.65
180.0	384.42	380.10	376.53	373.33	370.11	366.84	363.52	359.80	355.33
210.0	383.84	380.00	376.32	372.55	368.78	365.44	362.20	358.56	354.65
240.0	382.96	378.86	376.01	372.07	367.65	364.50	360.80	357.36	354.01
270.0	381.47	378.33	375.19	372.06	368.76	364.21	362.14	355.51	355.48
300.0	382.96	378.86	376.01	372.07	367.65	364.50	360.80	357.36	354.01
330.0	383.84	380.00	376.32	372.55	368.78	365.44	362.20	358.56	354.65
360.0	384.42	380.10	376.53	373.33	370.11	366.84	363.52	359.80	355.33
C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	350.75	346.73	343.27	339.78	336.27	332.76	329.22	325.62	321.36
30.0	350.62	347.09	343.58	339.71	335.74	331.76	327.82	324.16	320.41
60.0	350.52	346.76	343.44	338.86	335.09	331.26	326.55	323.11	319.09
90.0	348.71	346.80	341.90	338.44	334.95	331.37	327.73	322.75	320.53
120.0	350.52	346.76	343.44	338.86	335.09	331.26	326.55	323.11	319.09
150.0	350.62	347.09	343.58	339.71	335.74	331.76	327.82	324.16	320.41
180.0	350.75	346.73	343.27	339.78	336.27	332.76	329.22	325.62	321.36
210.0	350.62	347.09	343.58	339.71	335.74	331.76	327.82	324.16	320.41
240.0	350.52	346.76	343.44	338.86	335.09	331.26	326.55	323.11	319.09
270.0	348.71	346.80	341.90	338.44	334.95	331.37	327.73	322.75	320.53
300.0	350.52	346.76	343.44	338.86	335.09	331.26	326.55	323.11	319.09
330.0	350.62	347.09	343.58	339.71	335.74	331.76	327.82	324.16	320.41
360.0	350.75	346.73	343.27	339.78	336.27	332.76	329.22	325.62	321.36

Intensity data(cd)

Appendix Page: 22 Total:29

C/γ(°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	316.43	311.54	307.36	303.62	299.87	296.11	292.30	288.49	284.64
30.0	316.07	311.77	307.70	303.76	299.71	295.58	291.42	287.27	283.18
60.0	315.35	311.69	307.71	302.84	299.46	294.88	290.31	286.82	281.80
90.0	313.36	313.33	305.94	302.22	298.54	294.75	290.79	287.09	283.26
120.0	315.35	311.69	307.71	302.84	299.46	294.88	290.31	286.82	281.80
150.0	316.07	311.77	307.70	303.76	299.71	295.58	291.42	287.27	283.18
180.0	316.43	311.54	307.36	303.62	299.87	296.11	292.30	288.49	284.64
210.0	316.07	311.77	307.70	303.76	299.71	295.58	291.42	287.27	283.18
240.0	315.35	311.69	307.71	302.84	299.46	294.88	290.31	286.82	281.80
270.0	313.36	313.33	305.94	302.22	298.54	294.75	290.79	287.09	283.26
300.0	315.35	311.69	307.71	302.84	299.46	294.88	290.31	286.82	281.80
330.0	316.07	311.77	307.70	303.76	299.71	295.58	291.42	287.27	283.18
360.0	316.43	311.54	307.36	303.62	299.87	296.11	292.30	288.49	284.64

C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	280.29	275.08	269.78	265.14	261.16	257.17	253.16	249.65	245.74
30.0	278.92	274.33	269.65	265.58	261.53	257.11	252.60	248.38	244.16
60.0	277.61	273.80	270.32	265.93	261.57	256.21	251.89	247.55	242.20
90.0	275.47	275.45	269.95	267.57	259.73	255.80	251.72	247.66	243.49
120.0	277.61	273.80	270.32	265.93	261.57	256.21	251.89	247.55	242.20
150.0	278.92	274.33	269.65	265.58	261.53	257.11	252.60	248.38	244.16
180.0	280.29	275.08	269.78	265.14	261.16	257.17	253.16	249.65	245.74
210.0	278.92	274.33	269.65	265.58	261.53	257.11	252.60	248.38	244.16
240.0	277.61	273.80	270.32	265.93	261.57	256.21	251.89	247.55	242.20
270.0	275.47	275.45	269.95	267.57	259.73	255.80	251.72	247.66	243.49
300.0	277.61	273.80	270.32	265.93	261.57	256.21	251.89	247.55	242.20
330.0	278.92	274.33	269.65	265.58	261.53	257.11	252.60	248.38	244.16
360.0	280.29	275.08	269.78	265.14	261.16	257.17	253.16	249.65	245.74

C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	241.49	236.16	231.32	226.02	221.12	216.24	212.08	207.88	204.43
30.0	239.71	235.14	230.47	225.83	221.10	216.81	212.56	207.92	203.44
60.0	238.30	233.72	229.49	225.40	221.12	216.36	211.76	206.27	202.41
90.0	237.89	235.43	227.24	227.21	218.91	216.46	208.13	203.99	202.28
120.0	238.30	233.72	229.49	225.40	221.12	216.36	211.76	206.27	202.41
150.0	239.71	235.14	230.47	225.83	221.10	216.81	212.56	207.92	203.44
180.0	241.49	236.16	231.32	226.02	221.12	216.24	212.08	207.88	204.43
210.0	239.71	235.14	230.47	225.83	221.10	216.81	212.56	207.92	203.44
240.0	238.30	233.72	229.49	225.40	221.12	216.36	211.76	206.27	202.41
270.0	237.89	235.43	227.24	227.21	218.91	216.46	208.13	203.99	202.28
300.0	238.30	233.72	229.49	225.40	221.12	216.36	211.76	206.27	202.41
330.0	239.71	235.14	230.47	225.83	221.10	216.81	212.56	207.92	203.44
360.0	241.49	236.16	231.32	226.02	221.12	216.24	212.08	207.88	204.43

C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	200.46	195.98	191.03	185.57	179.70	174.22	170.03	165.81	161.61
30.0	198.90	194.04	189.52	184.86	179.59	174.96	170.69	166.25	161.72
60.0	198.18	193.10	188.58	183.76	179.43	175.28	170.98	166.18	161.72
90.0	198.10	196.33	187.94	185.41	177.03	177.01	168.70	166.17	160.35
120.0	198.18	193.10	188.58	183.76	179.43	175.28	170.98	166.18	161.72
150.0	198.90	194.04	189.52	184.86	179.59	174.96	170.69	166.25	161.72
180.0	200.46	195.98	191.03	185.57	179.70	174.22	170.03	165.81	161.61
210.0	198.90	194.04	189.52	184.86	179.59	174.96	170.69	166.25	161.72
240.0	198.18	193.10	188.58	183.76	179.43	175.28	170.98	166.18	161.72
270.0	198.10	196.33	187.94	185.41	177.03	177.01	168.70	166.17	160.35
300.0	198.18	193.10	188.58	183.76	179.43	175.28	170.98	166.18	161.72
330.0	198.90	194.04	189.52	184.86	179.59	174.96	170.69	166.25	161.72
360.0	200.46	195.98	191.03	185.57	179.70	174.22	170.03	165.81	161.61

C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	157.39	153.23	149.10	145.01	140.93	135.68	130.09	124.96	121.04
30.0	157.14	152.58	148.11	143.81	139.68	135.23	130.23	125.86	121.89
60.0	156.54	151.55	147.80	142.48	138.11	134.13	130.14	126.20	122.03
90.0	156.15	152.09	147.94	143.80	135.70	135.68	127.67	127.66	119.96
120.0	156.54	151.55	147.80	142.48	138.11	134.13	130.14	126.20	122.03
150.0	157.14	152.58	148.11	143.81	139.68	135.23	130.23	125.86	121.89
180.0	157.39	153.23	149.10	145.01	140.93	135.68	130.09	124.96	121.04
210.0	157.14	152.58	148.11	143.81	139.68	135.23	130.23	125.86	121.89
240.0	156.54	151.55	147.80	142.48	138.11	134.13	130.14	126.20	122.03
270.0	156.15	152.09	147.94	143.80	135.70	135.68	127.67	127.66	119.96
300.0	156.54	151.55	147.80	142.48	138.11	134.13	130.14	126.20	122.03
330.0	157.14	152.58	148.11	143.81	139.68	135.23	130.23	125.86	121.89
360.0	157.39	153.23	149.10	145.01	140.93	135.68	130.09	124.96	121.04

C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	117.15	113.31	109.50	105.74	102.07	97.93	93.83	89.48	85.57
30.0	117.61	113.32	109.11	105.02	101.34	97.69	93.76	89.95	86.20
60.0	116.86	112.80	108.78	104.01	100.52	96.62	93.08	89.73	86.36
90.0	116.06	112.21	108.46	104.87	99.64	97.67	90.82	90.81	84.28
120.0	116.86	112.80	108.78	104.01	100.52	96.62	93.08	89.73	86.36
150.0	117.61	113.32	109.11	105.02	101.34	97.69	93.76	89.95	86.20
180.0	117.15	113.31	109.50	105.74	102.07	97.93	93.83	89.48	85.57
210.0	117.61	113.32	109.11	105.02	101.34	97.69	93.76	89.95	86.20
240.0	116.86	112.80	108.78	104.01	100.52	96.62	93.08	89.73	86.36
270.0	116.06	112.21	108.46	104.87	99.64	97.67	90.82	90.81	84.28
300.0	116.86	112.80	108.78	104.01	100.52	96.62	93.08	89.73	86.36
330.0	117.61	113.32	109.11	105.02	101.34	97.69	93.76	89.95	86.20
360.0	117.15	113.31	109.50	105.74	102.07	97.93	93.83	89.48	85.57

C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	81.77	78.66	75.66	72.75	69.92	67.15	64.47	61.15	57.71
30.0	82.91	79.73	76.33	72.97	69.84	66.83	64.13	61.32	58.23
60.0	82.79	79.82	75.79	72.55	69.64	66.04	63.47	60.74	58.51
90.0	82.23	78.01	74.89	72.09	69.24	66.48	62.62	61.28	57.61
120.0	82.79	79.82	75.79	72.55	69.64	66.04	63.47	60.74	58.51
150.0	82.91	79.73	76.33	72.97	69.84	66.83	64.13	61.32	58.23
180.0	81.77	78.66	75.66	72.75	69.92	67.15	64.47	61.15	57.71
210.0	82.91	79.73	76.33	72.97	69.84	66.83	64.13	61.32	58.23
240.0	82.79	79.82	75.79	72.55	69.64	66.04	63.47	60.74	58.51
270.0	82.23	78.01	74.89	72.09	69.24	66.48	62.62	61.28	57.61
300.0	82.79	79.82	75.79	72.55	69.64	66.04	63.47	60.74	58.51
330.0	82.91	79.73	76.33	72.97	69.84	66.83	64.13	61.32	58.23
360.0	81.77	78.66	75.66	72.75	69.92	67.15	64.47	61.15	57.71

C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	54.64	52.42	50.31	47.94	45.89	44.14	42.71	41.03	39.45
30.0	55.60	53.31	51.02	48.67	46.43	44.47	42.71	40.97	39.36
60.0	56.15	53.45	50.58	48.63	46.28	43.98	42.46	40.29	38.57
90.0	57.60	51.89	49.68	47.68	45.63	43.81	42.03	40.42	37.22
120.0	56.15	53.45	50.58	48.63	46.28	43.98	42.46	40.29	38.57
150.0	55.60	53.31	51.02	48.67	46.43	44.47	42.71	40.97	39.36
180.0	54.64	52.42	50.31	47.94	45.89	44.14	42.71	41.03	39.45
210.0	55.60	53.31	51.02	48.67	46.43	44.47	42.71	40.97	39.36
240.0	56.15	53.45	50.58	48.63	46.28	43.98	42.46	40.29	38.57
270.0	57.60	51.89	49.68	47.68	45.63	43.81	42.03	40.42	37.22
300.0	56.15	53.45	50.58	48.63	46.28	43.98	42.46	40.29	38.57
330.0	55.60	53.31	51.02	48.67	46.43	44.47	42.71	40.97	39.36
360.0	54.64	52.42	50.31	47.94	45.89	44.14	42.71	41.03	39.45

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	37.54	35.62	33.96	32.82	31.72	30.68	29.73	28.99	28.25
30.0	37.74	35.99	34.54	33.33	32.08	30.88	29.80	28.86	28.07
60.0	37.10	35.75	34.43	33.07	31.55	30.43	29.36	28.16	27.35
90.0	37.22	34.52	34.52	31.91	30.74	29.78	28.74	27.91	26.62
120.0	37.10	35.75	34.43	33.07	31.55	30.43	29.36	28.16	27.35
150.0	37.74	35.99	34.54	33.33	32.08	30.88	29.80	28.86	28.07
180.0	37.54	35.62	33.96	32.82	31.72	30.68	29.73	28.99	28.25
210.0	37.74	35.99	34.54	33.33	32.08	30.88	29.80	28.86	28.07
240.0	37.10	35.75	34.43	33.07	31.55	30.43	29.36	28.16	27.35
270.0	37.22	34.52	34.52	31.91	30.74	29.78	28.74	27.91	26.62
300.0	37.10	35.75	34.43	33.07	31.55	30.43	29.36	28.16	27.35
330.0	37.74	35.99	34.54	33.33	32.08	30.88	29.80	28.86	28.07
360.0	37.54	35.62	33.96	32.82	31.72	30.68	29.73	28.99	28.25
C/γ(°)	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5
0.0	27.35	26.43	25.70	25.15	24.65	24.28	23.94	23.61	23.32
30.0	27.28	26.47	25.80	25.22	24.76	24.35	23.94	23.52	23.18
60.0	26.56	25.90	25.27	24.71	24.16	23.75	23.24	22.88	22.57
90.0	26.31	25.03	25.03	23.96	23.57	23.03	22.61	22.36	22.07
120.0	26.56	25.90	25.27	24.71	24.16	23.75	23.24	22.88	22.57
150.0	27.28	26.47	25.80	25.22	24.76	24.35	23.94	23.52	23.18
180.0	27.35	26.43	25.70	25.15	24.65	24.28	23.94	23.61	23.32
210.0	27.28	26.47	25.80	25.22	24.76	24.35	23.94	23.52	23.18
240.0	26.56	25.90	25.27	24.71	24.16	23.75	23.24	22.88	22.57
270.0	26.31	25.03	25.03	23.96	23.57	23.03	22.61	22.36	22.07
300.0	26.56	25.90	25.27	24.71	24.16	23.75	23.24	22.88	22.57
330.0	27.28	26.47	25.80	25.22	24.76	24.35	23.94	23.52	23.18
360.0	27.35	26.43	25.70	25.15	24.65	24.28	23.94	23.61	23.32
C/γ(°)	99.0	99.5	100.0	100.5	101.0	101.5	102.0	102.5	103.0
0.0	23.08	22.88	22.69	22.51	22.37	22.28	22.19	22.10	21.99
30.0	22.91	22.70	22.49	22.29	22.12	22.00	21.90	21.79	21.68
60.0	22.25	22.03	21.83	21.63	21.44	21.32	21.21	21.10	20.97
90.0	21.88	21.48	21.48	21.14	21.14	20.95	20.87	20.74	20.61
120.0	22.25	22.03	21.83	21.63	21.44	21.32	21.21	21.10	20.97
150.0	22.91	22.70	22.49	22.29	22.12	22.00	21.90	21.79	21.68
180.0	23.08	22.88	22.69	22.51	22.37	22.28	22.19	22.10	21.99
210.0	22.91	22.70	22.49	22.29	22.12	22.00	21.90	21.79	21.68
240.0	22.25	22.03	21.83	21.63	21.44	21.32	21.21	21.10	20.97
270.0	21.88	21.48	21.48	21.14	21.14	20.95	20.87	20.74	20.61
300.0	22.25	22.03	21.83	21.63	21.44	21.32	21.21	21.10	20.97
330.0	22.91	22.70	22.49	22.29	22.12	22.00	21.90	21.79	21.68
360.0	23.08	22.88	22.69	22.51	22.37	22.28	22.19	22.10	21.99
C/γ(°)	103.5	104.0	104.5	105.0	105.5	106.0	106.5	107.0	107.5
0.0	21.89	21.81	21.74	21.67	21.56	21.42	21.27	21.17	21.07
30.0	21.58	21.47	21.38	21.30	21.22	21.10	20.98	20.87	20.77
60.0	20.86	20.76	20.67	20.60	20.52	20.45	20.34	20.26	20.14
90.0	20.55	20.42	20.42	20.28	20.20	20.15	20.07	19.94	19.88
120.0	20.86	20.76	20.67	20.60	20.52	20.45	20.34	20.26	20.14
150.0	21.58	21.47	21.38	21.30	21.22	21.10	20.98	20.87	20.77
180.0	21.89	21.81	21.74	21.67	21.56	21.42	21.27	21.17	21.07
210.0	21.58	21.47	21.38	21.30	21.22	21.10	20.98	20.87	20.77
240.0	20.86	20.76	20.67	20.60	20.52	20.45	20.34	20.26	20.14
270.0	20.55	20.42	20.42	20.28	20.20	20.15	20.07	19.94	19.88
300.0	20.86	20.76	20.67	20.60	20.52	20.45	20.34	20.26	20.14
330.0	21.58	21.47	21.38	21.30	21.22	21.10	20.98	20.87	20.77
360.0	21.89	21.81	21.74	21.67	21.56	21.42	21.27	21.17	21.07

C/γ(°)	108.0	108.5	109.0	109.5	110.0	110.5	111.0	111.5	112.0
0.0	21.00	20.91	20.83	20.74	20.63	20.51	20.38	20.29	20.17
30.0	20.69	20.60	20.49	20.39	20.30	20.19	20.09	20.00	19.91
60.0	20.06	19.97	19.84	19.75	19.64	19.54	19.47	19.39	19.28
90.0	19.81	19.67	19.62	19.48	19.40	19.22	19.22	19.08	19.00
120.0	20.06	19.97	19.84	19.75	19.64	19.54	19.47	19.39	19.28
150.0	20.69	20.60	20.49	20.39	20.30	20.19	20.09	20.00	19.91
180.0	21.00	20.91	20.83	20.74	20.63	20.51	20.38	20.29	20.17
210.0	20.69	20.60	20.49	20.39	20.30	20.19	20.09	20.00	19.91
240.0	20.06	19.97	19.84	19.75	19.64	19.54	19.47	19.39	19.28
270.0	19.81	19.67	19.62	19.48	19.40	19.22	19.22	19.08	19.00
300.0	20.06	19.97	19.84	19.75	19.64	19.54	19.47	19.39	19.28
330.0	20.69	20.60	20.49	20.39	20.30	20.19	20.09	20.00	19.91
360.0	21.00	20.91	20.83	20.74	20.63	20.51	20.38	20.29	20.17
C/γ(°)	112.5	113.0	113.5	114.0	114.5	115.0	115.5	116.0	116.5
0.0	20.08	19.98	19.87	19.74	19.60	19.47	19.31	19.17	19.04
30.0	19.81	19.69	19.55	19.42	19.30	19.18	19.04	18.92	18.82
60.0	19.18	19.07	18.93	18.78	18.67	18.56	18.43	18.34	18.24
90.0	18.90	18.82	18.68	18.47	18.42	18.23	18.23	18.02	18.02
120.0	19.18	19.07	18.93	18.78	18.67	18.56	18.43	18.34	18.24
150.0	19.81	19.69	19.55	19.42	19.30	19.18	19.04	18.92	18.82
180.0	20.08	19.98	19.87	19.74	19.60	19.47	19.31	19.17	19.04
210.0	19.81	19.69	19.55	19.42	19.30	19.18	19.04	18.92	18.82
240.0	19.18	19.07	18.93	18.78	18.67	18.56	18.43	18.34	18.24
270.0	18.90	18.82	18.68	18.47	18.42	18.23	18.23	18.02	18.02
300.0	19.18	19.07	18.93	18.78	18.67	18.56	18.43	18.34	18.24
330.0	19.81	19.69	19.55	19.42	19.30	19.18	19.04	18.92	18.82
360.0	20.08	19.98	19.87	19.74	19.60	19.47	19.31	19.17	19.04
C/γ(°)	117.0	117.5	118.0	118.5	119.0	119.5	120.0	120.5	121.0
0.0	18.94	18.80	18.67	18.54	18.44	18.36	18.27	18.13	17.96
30.0	18.70	18.57	18.44	18.30	18.18	18.08	17.97	17.85	17.70
60.0	18.07	17.94	17.86	17.76	17.61	17.49	17.34	17.20	17.08
90.0	17.70	17.62	17.56	17.48	17.35	17.22	17.08	16.82	16.82
120.0	18.07	17.94	17.86	17.76	17.61	17.49	17.34	17.20	17.08
150.0	18.70	18.57	18.44	18.30	18.18	18.08	17.97	17.85	17.70
180.0	18.94	18.80	18.67	18.54	18.44	18.36	18.27	18.13	17.96
210.0	18.70	18.57	18.44	18.30	18.18	18.08	17.97	17.85	17.70
240.0	18.07	17.94	17.86	17.76	17.61	17.49	17.34	17.20	17.08
270.0	17.70	17.62	17.56	17.48	17.35	17.22	17.08	16.82	16.82
300.0	18.07	17.94	17.86	17.76	17.61	17.49	17.34	17.20	17.08
330.0	18.70	18.57	18.44	18.30	18.18	18.08	17.97	17.85	17.70
360.0	18.94	18.80	18.67	18.54	18.44	18.36	18.27	18.13	17.96
C/γ(°)	121.5	122.0	122.5	123.0	123.5	124.0	124.5	125.0	125.5
0.0	17.78	17.62	17.48	17.36	17.23	17.12	16.99	16.86	16.70
30.0	17.54	17.41	17.30	17.15	17.01	16.87	16.72	16.58	16.44
60.0	16.99	16.87	16.73	16.58	16.44	16.30	16.12	16.00	15.87
90.0	16.68	16.60	16.36	16.28	16.15	16.02	15.88	15.70	15.69
120.0	16.99	16.87	16.73	16.58	16.44	16.30	16.12	16.00	15.87
150.0	17.54	17.41	17.30	17.15	17.01	16.87	16.72	16.58	16.44
180.0	17.78	17.62	17.48	17.36	17.23	17.12	16.99	16.86	16.70
210.0	17.54	17.41	17.30	17.15	17.01	16.87	16.72	16.58	16.44
240.0	16.99	16.87	16.73	16.58	16.44	16.30	16.12	16.00	15.87
270.0	16.68	16.60	16.36	16.28	16.15	16.02	15.88	15.70	15.69
300.0	16.99	16.87	16.73	16.58	16.44	16.30	16.12	16.00	15.87
330.0	17.54	17.41	17.30	17.15	17.01	16.87	16.72	16.58	16.44
360.0	17.78	17.62	17.48	17.36	17.23	17.12	16.99	16.86	16.70

Intensity data(cd)										Appendix Page: 26 Total:29
C/ γ (°)	126.0	126.5	127.0	127.5	128.0	128.5	129.0	129.5	130.0	
0.0	16.54	16.37	16.21	16.06	15.92	15.79	15.66	15.50	15.33	
30.0	16.30	16.16	16.01	15.86	15.71	15.57	15.42	15.28	15.12	
60.0	15.74	15.63	15.50	15.31	15.15	14.98	14.87	14.76	14.58	
90.0	15.43	15.43	15.16	15.08	14.84	14.71	14.63	14.49	14.36	
120.0	15.74	15.63	15.50	15.31	15.15	14.98	14.87	14.76	14.58	
150.0	16.30	16.16	16.01	15.86	15.71	15.57	15.42	15.28	15.12	
180.0	16.54	16.37	16.21	16.06	15.92	15.79	15.66	15.50	15.33	
210.0	16.30	16.16	16.01	15.86	15.71	15.57	15.42	15.28	15.12	
240.0	15.74	15.63	15.50	15.31	15.15	14.98	14.87	14.76	14.58	
270.0	15.43	15.43	15.16	15.08	14.84	14.71	14.63	14.49	14.36	
300.0	15.74	15.63	15.50	15.31	15.15	14.98	14.87	14.76	14.58	
330.0	16.30	16.16	16.01	15.86	15.71	15.57	15.42	15.28	15.12	
360.0	16.54	16.37	16.21	16.06	15.92	15.79	15.66	15.50	15.33	
C/ γ (°)	130.5	131.0	131.5	132.0	132.5	133.0	133.5	134.0	134.5	
0.0	15.18	15.01	14.84	14.65	14.50	14.33	14.18	14.02	13.90	
30.0	14.97	14.80	14.63	14.49	14.33	14.17	14.01	13.83	13.67	
60.0	14.43	14.28	14.14	14.01	13.83	13.64	13.53	13.36	13.15	
90.0	14.10	14.09	13.83	13.83	13.51	13.30	13.24	13.11	12.97	
120.0	14.43	14.28	14.14	14.01	13.83	13.64	13.53	13.36	13.15	
150.0	14.97	14.80	14.63	14.49	14.33	14.17	14.01	13.83	13.67	
180.0	15.18	15.01	14.84	14.65	14.50	14.33	14.18	14.02	13.90	
210.0	14.97	14.80	14.63	14.49	14.33	14.17	14.01	13.83	13.67	
240.0	14.43	14.28	14.14	14.01	13.83	13.64	13.53	13.36	13.15	
270.0	14.10	14.09	13.83	13.83	13.51	13.30	13.24	13.11	12.97	
300.0	14.43	14.28	14.14	14.01	13.83	13.64	13.53	13.36	13.15	
330.0	14.97	14.80	14.63	14.49	14.33	14.17	14.01	13.83	13.67	
360.0	15.18	15.01	14.84	14.65	14.50	14.33	14.18	14.02	13.90	
C/ γ (°)	135.0	135.5	136.0	136.5	137.0	137.5	138.0	138.5	139.0	
0.0	13.73	13.58	13.41	13.19	12.97	12.77	12.64	12.48	12.33	
30.0	13.50	13.34	13.18	12.98	12.79	12.66	12.51	12.32	12.14	
60.0	13.01	12.85	12.70	12.55	12.41	12.25	12.09	11.86	11.70	
90.0	12.78	12.71	12.44	12.44	12.17	12.02	11.77	11.64	11.51	
120.0	13.01	12.85	12.70	12.55	12.41	12.25	12.09	11.86	11.70	
150.0	13.50	13.34	13.18	12.98	12.79	12.66	12.51	12.32	12.14	
180.0	13.73	13.58	13.41	13.19	12.97	12.77	12.64	12.48	12.33	
210.0	13.50	13.34	13.18	12.98	12.79	12.66	12.51	12.32	12.14	
240.0	13.01	12.85	12.70	12.55	12.41	12.25	12.09	11.86	11.70	
270.0	12.78	12.71	12.44	12.44	12.17	12.02	11.77	11.64	11.51	
300.0	13.01	12.85	12.70	12.55	12.41	12.25	12.09	11.86	11.70	
330.0	13.50	13.34	13.18	12.98	12.79	12.66	12.51	12.32	12.14	
360.0	13.73	13.58	13.41	13.19	12.97	12.77	12.64	12.48	12.33	
C/ γ (°)	139.5	140.0	140.5	141.0	141.5	142.0	142.5	143.0	143.5	
0.0	12.15	11.98	11.82	11.62	11.41	11.17	10.98	10.80	10.67	
30.0	11.95	11.78	11.63	11.46	11.28	11.09	10.88	10.69	10.53	
60.0	11.54	11.35	11.20	11.04	10.90	10.75	10.58	10.31	10.17	
90.0	11.37	11.24	11.00	10.92	10.65	10.65	10.38	10.12	9.98	
120.0	11.54	11.35	11.20	11.04	10.90	10.75	10.58	10.31	10.17	
150.0	11.95	11.78	11.63	11.46	11.28	11.09	10.88	10.69	10.53	
180.0	12.15	11.98	11.82	11.62	11.41	11.17	10.98	10.80	10.67	
210.0	11.95	11.78	11.63	11.46	11.28	11.09	10.88	10.69	10.53	
240.0	11.54	11.35	11.20	11.04	10.90	10.75	10.58	10.31	10.17	
270.0	11.37	11.24	11.00	10.92	10.65	10.65	10.38	10.12	9.98	
300.0	11.54	11.35	11.20	11.04	10.90	10.75	10.58	10.31	10.17	
330.0	11.95	11.78	11.63	11.46	11.28	11.09	10.88	10.69	10.53	
360.0	12.15	11.98	11.82	11.62	11.41	11.17	10.98	10.80	10.67	

Intensity data(cd)

Appendix Page: 27 Total:29

C/ γ (°)	144.0	144.5	145.0	145.5	146.0	146.5	147.0	147.5	148.0
0.0	10.53	10.38	10.19	10.02	9.86	9.68	9.50	9.29	9.09
30.0	10.37	10.21	10.05	9.89	9.74	9.55	9.33	9.16	8.98
60.0	10.01	9.83	9.69	9.49	9.34	9.17	8.99	8.85	8.70
90.0	9.85	9.72	9.51	9.32	9.05	9.05	8.78	8.78	8.52
120.0	10.01	9.83	9.69	9.49	9.34	9.17	8.99	8.85	8.70
150.0	10.37	10.21	10.05	9.89	9.74	9.55	9.33	9.16	8.98
180.0	10.53	10.38	10.19	10.02	9.86	9.68	9.50	9.29	9.09
210.0	10.37	10.21	10.05	9.89	9.74	9.55	9.33	9.16	8.98
240.0	10.01	9.83	9.69	9.49	9.34	9.17	8.99	8.85	8.70
270.0	9.85	9.72	9.51	9.32	9.05	9.05	8.78	8.78	8.52
300.0	10.01	9.83	9.69	9.49	9.34	9.17	8.99	8.85	8.70
330.0	10.37	10.21	10.05	9.89	9.74	9.55	9.33	9.16	8.98
360.0	10.53	10.38	10.19	10.02	9.86	9.68	9.50	9.29	9.09
C/ γ (°)	148.5	149.0	149.5	150.0	150.5	151.0	151.5	152.0	152.5
0.0	8.90	8.78	8.62	8.42	8.23	8.07	7.89	7.68	7.47
30.0	8.82	8.67	8.47	8.23	8.05	7.90	7.73	7.54	7.35
60.0	8.50	8.36	8.14	7.88	7.73	7.55	7.39	7.25	7.08
90.0	8.33	8.20	7.98	7.79	7.61	7.53	7.18	7.18	6.86
120.0	8.50	8.36	8.14	7.88	7.73	7.55	7.39	7.25	7.08
150.0	8.82	8.67	8.47	8.23	8.05	7.90	7.73	7.54	7.35
180.0	8.90	8.78	8.62	8.42	8.23	8.07	7.89	7.68	7.47
210.0	8.82	8.67	8.47	8.23	8.05	7.90	7.73	7.54	7.35
240.0	8.50	8.36	8.14	7.88	7.73	7.55	7.39	7.25	7.08
270.0	8.33	8.20	7.98	7.79	7.61	7.53	7.18	7.18	6.86
300.0	8.50	8.36	8.14	7.88	7.73	7.55	7.39	7.25	7.08
330.0	8.82	8.67	8.47	8.23	8.05	7.90	7.73	7.54	7.35
360.0	8.90	8.78	8.62	8.42	8.23	8.07	7.89	7.68	7.47
C/ γ (°)	153.0	153.5	154.0	154.5	155.0	155.5	156.0	156.5	157.0
0.0	7.27	7.13	6.98	6.84	6.64	6.45	6.26	6.06	5.83
30.0	7.19	7.03	6.85	6.66	6.45	6.24	6.07	5.89	5.70
60.0	6.90	6.76	6.56	6.36	6.15	5.92	5.78	5.60	5.42
90.0	6.78	6.60	6.46	6.25	6.04	5.85	5.66	5.58	5.26
120.0	6.90	6.76	6.56	6.36	6.15	5.92	5.78	5.60	5.42
150.0	7.19	7.03	6.85	6.66	6.45	6.24	6.07	5.89	5.70
180.0	7.27	7.13	6.98	6.84	6.64	6.45	6.26	6.06	5.83
210.0	7.19	7.03	6.85	6.66	6.45	6.24	6.07	5.89	5.70
240.0	6.90	6.76	6.56	6.36	6.15	5.92	5.78	5.60	5.42
270.0	6.78	6.60	6.46	6.25	6.04	5.85	5.66	5.58	5.26
300.0	6.90	6.76	6.56	6.36	6.15	5.92	5.78	5.60	5.42
330.0	7.19	7.03	6.85	6.66	6.45	6.24	6.07	5.89	5.70
360.0	7.27	7.13	6.98	6.84	6.64	6.45	6.26	6.06	5.83
C/ γ (°)	157.5	158.0	158.5	159.0	159.5	160.0	160.5	161.0	161.5
0.0	5.63	5.43	5.21	4.99	4.79	4.65	4.46	4.27	4.10
30.0	5.54	5.38	5.19	4.98	4.79	4.63	4.46	4.28	4.10
60.0	5.26	5.13	4.96	4.82	4.65	4.43	4.30	4.12	3.97
90.0	5.18	5.02	4.81	4.67	4.54	4.35	4.22	4.08	3.82
120.0	5.26	5.13	4.96	4.82	4.65	4.43	4.30	4.12	3.97
150.0	5.54	5.38	5.19	4.98	4.79	4.63	4.46	4.28	4.10
180.0	5.63	5.43	5.21	4.99	4.79	4.65	4.46	4.27	4.10
210.0	5.54	5.38	5.19	4.98	4.79	4.63	4.46	4.28	4.10
240.0	5.26	5.13	4.96	4.82	4.65	4.43	4.30	4.12	3.97
270.0	5.18	5.02	4.81	4.67	4.54	4.35	4.22	4.08	3.82
300.0	5.26	5.13	4.96	4.82	4.65	4.43	4.30	4.12	3.97
330.0	5.54	5.38	5.19	4.98	4.79	4.63	4.46	4.28	4.10
360.0	5.63	5.43	5.21	4.99	4.79	4.65	4.46	4.27	4.10

C/γ(°)	162.0	162.5	163.0	163.5	164.0	164.5	165.0	165.5	166.0
0.0	3.97	3.85	3.70	3.58	3.44	3.31	3.17	3.05	2.90
30.0	3.95	3.79	3.64	3.50	3.36	3.22	3.08	2.94	2.82
60.0	3.79	3.65	3.50	3.36	3.21	3.09	2.96	2.81	2.70
90.0	3.81	3.53	3.52	3.26	3.13	3.07	2.94	2.80	2.62
120.0	3.79	3.65	3.50	3.36	3.21	3.09	2.96	2.81	2.70
150.0	3.95	3.79	3.64	3.50	3.36	3.22	3.08	2.94	2.82
180.0	3.97	3.85	3.70	3.58	3.44	3.31	3.17	3.05	2.90
210.0	3.95	3.79	3.64	3.50	3.36	3.22	3.08	2.94	2.82
240.0	3.79	3.65	3.50	3.36	3.21	3.09	2.96	2.81	2.70
270.0	3.81	3.53	3.52	3.26	3.13	3.07	2.94	2.80	2.62
300.0	3.79	3.65	3.50	3.36	3.21	3.09	2.96	2.81	2.70
330.0	3.95	3.79	3.64	3.50	3.36	3.22	3.08	2.94	2.82
360.0	3.97	3.85	3.70	3.58	3.44	3.31	3.17	3.05	2.90
C/γ(°)	166.5	167.0	167.5	168.0	168.5	169.0	169.5	170.0	170.5
0.0	2.73	2.55	2.39	2.28	2.16	2.03	1.93	1.86	1.77
30.0	2.70	2.55	2.41	2.30	2.20	2.08	1.96	1.87	1.78
60.0	2.59	2.46	2.33	2.25	2.16	2.02	1.90	1.80	1.71
90.0	2.61	2.35	2.35	2.22	2.14	1.95	1.87	1.74	1.68
120.0	2.59	2.46	2.33	2.25	2.16	2.02	1.90	1.80	1.71
150.0	2.70	2.55	2.41	2.30	2.20	2.08	1.96	1.87	1.78
180.0	2.73	2.55	2.39	2.28	2.16	2.03	1.93	1.86	1.77
210.0	2.70	2.55	2.41	2.30	2.20	2.08	1.96	1.87	1.78
240.0	2.59	2.46	2.33	2.25	2.16	2.02	1.90	1.80	1.71
270.0	2.61	2.35	2.35	2.22	2.14	1.95	1.87	1.74	1.68
300.0	2.59	2.46	2.33	2.25	2.16	2.02	1.90	1.80	1.71
330.0	2.70	2.55	2.41	2.30	2.20	2.08	1.96	1.87	1.78
360.0	2.73	2.55	2.39	2.28	2.16	2.03	1.93	1.86	1.77
C/γ(°)	171.0	171.5	172.0	172.5	173.0	173.5	174.0	174.5	175.0
0.0	1.67	1.58	1.48	1.37	1.29	1.25	1.18	1.14	1.12
30.0	1.68	1.59	1.51	1.42	1.35	1.29	1.23	1.18	1.16
60.0	1.58	1.53	1.47	1.40	1.34	1.29	1.21	1.16	1.14
90.0	1.55	1.47	1.47	1.34	1.33	1.28	1.20	1.15	1.08
120.0	1.58	1.53	1.47	1.40	1.34	1.29	1.21	1.16	1.14
150.0	1.68	1.59	1.51	1.42	1.35	1.29	1.23	1.18	1.16
180.0	1.67	1.58	1.48	1.37	1.29	1.25	1.18	1.14	1.12
210.0	1.68	1.59	1.51	1.42	1.35	1.29	1.23	1.18	1.16
240.0	1.58	1.53	1.47	1.40	1.34	1.29	1.21	1.16	1.14
270.0	1.55	1.47	1.47	1.34	1.33	1.28	1.20	1.15	1.08
300.0	1.58	1.53	1.47	1.40	1.34	1.29	1.21	1.16	1.14
330.0	1.68	1.59	1.51	1.42	1.35	1.29	1.23	1.18	1.16
360.0	1.67	1.58	1.48	1.37	1.29	1.25	1.18	1.14	1.12
C/γ(°)	175.5	176.0	176.5	177.0	177.5	178.0	178.5	179.0	179.5
0.0	1.12	1.10	1.07	1.04	1.04	1.04	1.04	1.04	1.04
30.0	1.14	1.12	1.09	1.08	1.08	1.08	1.09	1.08	1.04
60.0	1.14	1.13	1.08	1.07	1.07	1.07	1.06	1.06	1.03
90.0	1.14	1.14	1.07	1.07	1.07	1.07	1.03	1.04	1.02
120.0	1.14	1.13	1.08	1.07	1.07	1.07	1.06	1.06	1.03
150.0	1.14	1.12	1.09	1.08	1.08	1.08	1.09	1.08	1.04
180.0	1.12	1.10	1.07	1.04	1.04	1.04	1.04	1.04	1.04
210.0	1.14	1.12	1.09	1.08	1.08	1.08	1.09	1.08	1.04
240.0	1.14	1.13	1.08	1.07	1.07	1.07	1.06	1.06	1.03
270.0	1.14	1.14	1.07	1.07	1.07	1.07	1.03	1.04	1.02
300.0	1.14	1.13	1.08	1.07	1.07	1.07	1.06	1.06	1.03
330.0	1.14	1.12	1.09	1.08	1.08	1.08	1.09	1.08	1.04
360.0	1.12	1.10	1.07	1.04	1.04	1.04	1.04	1.04	1.04

Intensity data(cd)

Appendix Page: 29 Total:29

C/γ(°)	180.0
0.0	1.04
30.0	1.04
60.0	1.04
90.0	1.04
120.0	1.04
150.0	1.04
180.0	1.04
210.0	1.04
240.0	1.04
270.0	1.04
300.0	1.04
330.0	1.04
360.0	1.04