

Report No	:	Voltage	:	V
Test No	:	Current	:	A
LumCAT	:	Power	:	34.000 W
Luminaire	:		:	
LampCAT	:	Ballast type	:	
Lamp flux	:	Width	:	60 mm
Number of Lamps	:	Length	:	1164 mm
Phm Type	:	Height	:	26 mm

Photometric Results

Lumens(lm)	:	4250.00	Central intensity(cd)	:	1133.606
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	1135.750
Luminous Efficacy(lm/W)	:	125.00	Angle of maximum intensity	:	C=90.0 γ =1.0
Beam Angle(50%Imax)	:	[C0/180]Total=134.8 [C90/270]Total=109.2			
Field angle(10%Imax)	:	[C0/180]Total=255.4 [C90/270]Total=158.8			
Maximum s/h(1/2)	:	C0_180=1.33 C90_270=1.23			
Maximum s/h(1/4)	:	C0_180=1.47 C90_270=1.35			
Up flux rate of lamp(%)	:	11.54%			
Down flux rate of lamp(%)	:	88.46%			
Up flux rate of LUM(%)	:	11.54%			
Down flux rate of LUM(%)	:	88.46%			
CIE Type	:	Semidirect lighting			
Output flux ratio in π solid angle :	:	62.856%			

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	1133.606	0.000	0	0.00%	0.00%
0.5	1133.606	0.271	0.271	0.01%	0.01%
1.0	1134.758	0.814	1.085	0.02%	0.03%
1.5	1134.460	1.357	2.442	0.03%	0.06%
2.0	1134.242	1.899	4.342	0.04%	0.10%
2.5	1133.726	2.441	6.783	0.06%	0.16%
3.0	1133.289	2.982	9.765	0.07%	0.23%
3.5	1132.713	3.522	13.287	0.08%	0.31%
4.0	1131.800	4.060	17.347	0.10%	0.41%
4.5	1131.364	4.598	21.945	0.11%	0.52%
5.0	1130.133	5.134	27.079	0.12%	0.64%
5.5	1129.339	5.668	32.747	0.13%	0.77%
6.0	1128.089	6.200	38.948	0.15%	0.92%
6.5	1126.799	6.730	45.678	0.16%	1.07%
7.0	1125.747	7.258	52.936	0.17%	1.25%
7.5	1124.338	7.785	60.721	0.18%	1.43%
8.0	1123.067	8.309	69.03	0.20%	1.62%
8.5	1121.499	8.830	77.86	0.21%	1.83%
9.0	1120.050	9.348	87.208	0.22%	2.05%
9.5	1118.284	9.864	97.072	0.23%	2.28%
10.0	1116.497	10.376	107.448	0.24%	2.53%
10.5	1114.572	10.884	118.332	0.26%	2.78%
11.0	1112.230	11.387	129.719	0.27%	3.05%
11.5	1110.602	11.889	141.608	0.28%	3.33%
12.0	1108.637	12.390	153.998	0.29%	3.62%
12.5	1106.137	12.883	166.881	0.30%	3.93%
13.0	1104.212	13.374	180.255	0.31%	4.24%
13.5	1101.373	13.859	194.114	0.33%	4.57%
14.0	1099.091	14.339	208.453	0.34%	4.90%
14.5	1097.205	14.822	223.274	0.35%	5.25%
15.0	1093.831	15.294	238.568	0.36%	5.61%
15.5	1091.509	15.759	254.326	0.37%	5.98%
16.0	1088.909	16.226	270.552	0.38%	6.37%
16.5	1085.514	16.681	287.234	0.39%	6.76%
17.0	1083.133	17.135	304.368	0.40%	7.16%
17.5	1080.175	17.587	321.956	0.41%	7.58%
18.0	1076.622	18.027	339.982	0.42%	8.00%
18.5	1073.864	18.463	358.445	0.43%	8.43%

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

Date: 2024/07/22
Humidity(%): 55.3%

Operator: CWR

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	1070.311	18.895	377.341	0.44%	8.88%
19.5	1066.738	19.316	396.657	0.45%	9.33%
20.0	1064.039	19.740	416.396	0.46%	9.80%
20.5	1059.533	20.151	436.547	0.47%	10.27%
21.0	1056.358	20.552	457.099	0.48%	10.76%
21.5	1052.944	20.959	478.058	0.49%	11.25%
22.0	1048.518	21.349	499.406	0.50%	11.75%
22.5	1044.866	21.731	521.137	0.51%	12.26%
23.0	1040.698	22.111	543.248	0.52%	12.78%
23.5	1037.661	22.492	565.74	0.53%	13.31%
24.0	1033.354	22.867	588.608	0.54%	13.85%
24.5	1028.709	23.219	611.827	0.55%	14.40%
25.0	1023.509	23.555	635.381	0.55%	14.95%
25.5	1019.718	23.895	659.276	0.56%	15.51%
26.0	1015.510	24.241	683.517	0.57%	16.08%
26.5	1010.151	24.562	708.079	0.58%	16.66%
27.0	1006.460	24.884	732.963	0.59%	17.25%
27.5	1001.676	25.208	758.171	0.59%	17.84%
28.0	996.536	25.507	783.678	0.60%	18.44%
28.5	992.367	25.809	809.487	0.61%	19.05%
29.0	987.128	26.103	835.59	0.61%	19.66%
29.5	981.987	26.378	861.967	0.62%	20.28%
30.0	978.136	26.666	888.633	0.63%	20.91%
30.5	971.924	26.933	915.566	0.63%	21.54%
31.0	967.338	27.183	942.749	0.64%	22.18%
31.5	962.416	27.446	970.195	0.65%	22.83%
32.0	956.144	27.678	997.873	0.65%	23.48%
32.5	951.857	27.913	1025.785	0.66%	24.14%
33.0	945.645	28.142	1053.927	0.66%	24.80%
33.5	940.544	28.353	1082.28	0.67%	25.47%
34.0	933.736	28.548	1110.828	0.67%	26.14%
34.5	929.567	28.750	1139.578	0.68%	26.81%
35.0	923.752	28.961	1168.539	0.68%	27.50%
35.5	918.492	29.149	1197.688	0.69%	28.18%
36.0	912.181	29.323	1227.011	0.69%	28.87%
36.5	907.060	29.492	1256.503	0.69%	29.56%
37.0	899.796	29.638	1286.141	0.70%	30.26%
37.5	894.536	29.776	1315.917	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	889.058	29.936	1345.853	0.70%	31.67%
38.5	882.785	30.073	1375.926	0.71%	32.37%
39.0	877.050	30.199	1406.125	0.71%	33.09%
39.5	869.745	30.300	1436.425	0.71%	33.80%
40.0	864.803	30.408	1466.832	0.72%	34.51%
40.5	857.221	30.504	1497.336	0.72%	35.23%
41.0	851.664	30.582	1527.918	0.72%	35.95%
41.5	845.789	30.684	1558.601	0.72%	36.67%
42.0	838.028	30.739	1589.34	0.72%	37.40%
42.5	832.887	30.800	1620.141	0.72%	38.12%
43.0	826.179	30.875	1651.015	0.73%	38.85%
43.5	819.033	30.905	1681.92	0.73%	39.57%
44.0	813.238	30.945	1712.865	0.73%	40.30%
44.5	806.132	30.979	1743.844	0.73%	41.03%
45.0	799.225	30.985	1774.829	0.73%	41.76%
45.5	793.946	31.019	1805.848	0.73%	42.49%
46.0	785.669	31.020	1836.868	0.73%	43.22%
46.5	779.516	30.997	1867.865	0.73%	43.95%
47.0	773.164	31.005	1898.87	0.73%	44.68%
47.5	764.788	30.962	1929.831	0.73%	45.41%
48.0	759.350	30.930	1960.761	0.73%	46.14%
48.5	751.152	30.895	1991.657	0.73%	46.86%
49.0	744.523	30.829	2022.485	0.73%	47.59%
49.5	737.180	30.773	2053.259	0.72%	48.31%
50.0	730.570	30.712	2083.971	0.72%	49.03%
50.5	723.128	30.641	2114.612	0.72%	49.76%
51.0	715.287	30.538	2145.15	0.72%	50.47%
51.5	708.023	30.432	2175.582	0.72%	51.19%
52.0	701.572	30.348	2205.93	0.71%	51.90%
52.5	694.883	30.271	2236.201	0.71%	52.62%
53.0	687.182	30.161	2266.362	0.71%	53.33%
53.5	680.354	30.040	2296.402	0.71%	54.03%
54.0	670.172	29.859	2326.261	0.70%	54.74%
54.5	664.675	29.700	2355.961	0.70%	55.43%
55.0	655.505	29.557	2385.518	0.70%	56.13%
55.5	650.920	29.428	2414.946	0.69%	56.82%
56.0	641.790	29.295	2444.241	0.69%	57.51%
56.5	633.513	29.071	2473.311	0.68%	58.20%

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	626.705	28.893	2502.205	0.68%	58.88%
57.5	616.046	28.655	2530.859	0.67%	59.55%
58.0	612.513	28.485	2559.345	0.67%	60.22%
58.5	603.145	28.340	2587.685	0.67%	60.89%
59.0	596.199	28.110	2615.795	0.66%	61.55%
59.5	587.961	27.900	2643.695	0.66%	62.20%
60.0	580.975	27.683	2671.379	0.65%	62.86%
60.5	571.428	27.430	2698.808	0.65%	63.50%
61.0	565.255	27.189	2725.997	0.64%	64.14%
61.5	557.137	26.978	2752.975	0.63%	64.78%
62.0	548.583	26.703	2779.678	0.63%	65.40%
62.5	542.747	26.478	2806.157	0.62%	66.03%
63.0	531.712	26.188	2832.344	0.62%	66.64%
63.5	526.908	25.917	2858.261	0.61%	67.25%
64.0	516.131	25.646	2883.907	0.60%	67.86%
64.5	510.018	25.339	2909.246	0.60%	68.45%
65.0	500.312	25.052	2934.298	0.59%	69.04%
65.5	494.338	24.764	2959.062	0.58%	69.62%
66.0	484.612	24.470	2983.532	0.58%	70.20%
66.5	475.938	24.104	3007.636	0.57%	70.77%
67.0	470.044	23.828	3031.465	0.56%	71.33%
67.5	460.120	23.517	3054.981	0.55%	71.88%
68.0	453.888	23.192	3078.174	0.55%	72.43%
68.5	444.102	22.866	3101.04	0.54%	72.97%
69.0	436.857	22.510	3123.55	0.53%	73.50%
69.5	428.422	22.183	3145.733	0.52%	74.02%
70.0	422.309	21.882	3167.614	0.51%	74.53%
70.5	412.504	21.540	3189.155	0.51%	75.04%
71.0	406.470	21.197	3210.352	0.50%	75.54%
71.5	396.844	20.854	3231.207	0.49%	76.03%
72.0	388.131	20.438	3251.645	0.48%	76.51%
72.5	382.374	20.118	3271.763	0.47%	76.98%
73.0	372.569	19.766	3291.529	0.47%	77.45%
73.5	366.535	19.403	3310.932	0.46%	77.90%
74.0	357.009	19.044	3329.976	0.45%	78.35%
74.5	348.792	18.623	3348.599	0.44%	78.79%
75.0	341.884	18.268	3366.868	0.43%	79.22%
75.5	334.878	17.942	3384.81	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	325.807	17.556	3402.366	0.41%	80.06%
76.5	319.753	17.191	3419.557	0.40%	80.46%
77.0	312.112	16.862	3436.419	0.40%	80.86%
77.5	303.994	16.474	3452.893	0.39%	81.24%
78.0	298.695	16.147	3469.04	0.38%	81.62%
78.5	288.631	15.764	3484.804	0.37%	82.00%
79.0	283.193	15.376	3500.18	0.36%	82.36%
79.5	274.797	15.029	3515.209	0.35%	82.71%
80.0	269.458	14.683	3529.892	0.35%	83.06%
80.5	261.301	14.341	3544.233	0.34%	83.39%
81.0	256.260	14.005	3558.237	0.33%	83.72%
81.5	248.439	13.676	3571.913	0.32%	84.05%
82.0	241.413	13.291	3585.203	0.31%	84.36%
82.5	236.927	12.994	3598.198	0.31%	84.66%
83.0	228.512	12.658	3610.856	0.30%	84.96%
83.5	224.800	12.342	3623.197	0.29%	85.25%
84.0	217.913	12.065	3635.262	0.28%	85.54%
84.5	212.812	11.749	3647.011	0.28%	85.81%
85.0	207.254	11.468	3658.479	0.27%	86.08%
85.5	202.253	11.188	3669.668	0.26%	86.35%
86.0	196.358	10.898	3680.566	0.26%	86.60%
86.5	193.182	10.657	3691.222	0.25%	86.85%
87.0	187.724	10.426	3701.648	0.25%	87.10%
87.5	183.059	10.153	3711.802	0.24%	87.34%
88.0	180.499	9.959	3721.761	0.23%	87.57%
88.5	174.426	9.726	3731.487	0.23%	87.80%
89.0	172.064	9.497	3740.984	0.22%	88.02%
89.5	167.836	9.318	3750.302	0.22%	88.24%
90.0	164.620	9.114	3759.416	0.21%	88.46%
90.5	161.624	8.944	3768.36	0.21%	88.67%
91.0	158.289	8.770	3777.13	0.21%	88.87%
91.5	154.776	8.581	3785.711	0.20%	89.08%
92.0	152.692	8.425	3794.136	0.20%	89.27%
92.5	149.913	8.290	3802.426	0.20%	89.47%
93.0	147.452	8.143	3810.569	0.19%	89.66%
93.5	145.408	8.016	3818.585	0.19%	89.85%
94.0	142.430	7.874	3826.459	0.19%	90.03%
94.5	140.604	7.738	3834.197	0.18%	90.22%

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	138.103	7.615	3841.812	0.18%	90.40%
95.5	136.595	7.499	3849.311	0.18%	90.57%
96.0	134.154	7.385	3856.697	0.17%	90.75%
96.5	132.566	7.269	3863.965	0.17%	90.92%
97.0	130.779	7.170	3871.135	0.17%	91.09%
97.5	128.636	7.055	3878.19	0.17%	91.25%
98.0	127.227	6.951	3885.141	0.16%	91.42%
98.5	125.142	6.847	3891.988	0.16%	91.58%
99.0	124.289	6.759	3898.747	0.16%	91.74%
99.5	122.642	6.682	3905.428	0.16%	91.89%
100.0	120.974	6.582	3912.011	0.15%	92.05%
100.5	119.446	6.486	3918.497	0.15%	92.20%
101.0	118.037	6.396	3924.893	0.15%	92.35%
101.5	116.429	6.304	3931.198	0.15%	92.50%
102.0	115.556	6.227	3937.424	0.15%	92.65%
102.5	114.008	6.150	3943.575	0.14%	92.79%
103.0	112.777	6.064	3949.639	0.14%	92.93%
103.5	111.666	5.989	3955.628	0.14%	93.07%
104.0	110.118	5.906	3961.534	0.14%	93.21%
104.5	109.443	5.834	3967.368	0.14%	93.35%
105.0	107.875	5.762	3973.13	0.14%	93.49%
105.5	106.763	5.677	3978.807	0.13%	93.62%
106.0	105.553	5.602	3984.409	0.13%	93.75%
106.5	104.402	5.526	3989.935	0.13%	93.88%
107.0	103.032	5.446	3995.381	0.13%	94.01%
107.5	102.337	5.377	4000.758	0.13%	94.14%
108.0	101.206	5.315	4006.072	0.13%	94.26%
108.5	99.955	5.238	4011.31	0.12%	94.38%
109.0	98.963	5.164	4016.474	0.12%	94.51%
109.5	97.633	5.088	4021.562	0.12%	94.63%
110.0	96.720	5.015	4026.577	0.12%	94.74%
110.5	95.430	4.942	4031.519	0.12%	94.86%
111.0	94.656	4.873	4036.393	0.11%	94.97%
111.5	93.406	4.805	4041.198	0.11%	95.09%
112.0	92.492	4.734	4045.932	0.11%	95.20%
112.5	91.202	4.661	4050.593	0.11%	95.31%
113.0	90.270	4.588	4055.181	0.11%	95.42%
113.5	89.337	4.524	4059.705	0.11%	95.52%

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	88.106	4.453	4064.158	0.10%	95.63%
114.5	87.510	4.390	4068.547	0.10%	95.73%
115.0	86.220	4.325	4072.873	0.10%	95.83%
115.5	85.307	4.253	4077.126	0.10%	95.93%
116.0	84.236	4.187	4081.312	0.10%	96.03%
116.5	83.303	4.119	4085.432	0.10%	96.13%
117.0	82.152	4.051	4089.482	0.10%	96.22%
117.5	81.337	3.985	4093.467	0.09%	96.32%
118.0	80.385	3.924	4097.391	0.09%	96.41%
118.5	79.512	3.862	4101.252	0.09%	96.50%
119.0	78.837	3.806	4105.058	0.09%	96.59%
119.5	77.527	3.740	4108.799	0.09%	96.68%
120.0	76.971	3.677	4112.476	0.09%	96.76%
120.5	75.622	3.614	4116.09	0.09%	96.85%
121.0	74.669	3.541	4119.631	0.08%	96.93%
121.5	73.597	3.475	4123.106	0.08%	97.01%
122.0	73.061	3.419	4126.525	0.08%	97.09%
122.5	72.227	3.369	4129.894	0.08%	97.17%
123.0	71.255	3.308	4133.202	0.08%	97.25%
123.5	70.381	3.247	4136.449	0.08%	97.33%
124.0	69.588	3.191	4139.64	0.08%	97.40%
124.5	68.774	3.135	4142.775	0.07%	97.48%
125.0	67.643	3.073	4145.848	0.07%	97.55%
125.5	66.908	3.012	4148.861	0.07%	97.62%
126.0	65.857	2.954	4151.815	0.07%	97.69%
126.5	65.082	2.895	4154.709	0.07%	97.76%
127.0	64.169	2.839	4157.549	0.07%	97.82%
127.5	63.375	2.783	4160.332	0.07%	97.89%
128.0	62.542	2.730	4163.062	0.06%	97.95%
128.5	61.450	2.670	4165.731	0.06%	98.02%
129.0	60.438	2.606	4168.337	0.06%	98.08%
129.5	59.565	2.548	4170.885	0.06%	98.14%
130.0	59.088	2.501	4173.386	0.06%	98.20%
130.5	57.996	2.450	4175.836	0.06%	98.25%
131.0	57.242	2.393	4178.229	0.06%	98.31%
131.5	56.309	2.341	4180.57	0.06%	98.37%
132.0	55.495	2.287	4182.856	0.05%	98.42%
132.5	54.443	2.231	4185.088	0.05%	98.47%

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	53.947	2.182	4187.27	0.05%	98.52%
133.5	52.975	2.135	4189.405	0.05%	98.57%
134.0	52.200	2.083	4191.488	0.05%	98.62%
134.5	51.506	2.037	4193.524	0.05%	98.67%
135.0	50.474	1.986	4195.51	0.05%	98.72%
135.5	50.037	1.940	4197.45	0.05%	98.76%
136.0	48.906	1.893	4199.342	0.04%	98.81%
136.5	48.330	1.843	4201.186	0.04%	98.85%
137.0	47.457	1.799	4202.985	0.04%	98.89%
137.5	46.782	1.754	4204.739	0.04%	98.94%
138.0	45.849	1.707	4206.446	0.04%	98.98%
138.5	45.115	1.661	4208.107	0.04%	99.01%
139.0	44.499	1.620	4209.727	0.04%	99.05%
139.5	43.805	1.580	4211.307	0.04%	99.09%
140.0	43.091	1.539	4212.846	0.04%	99.13%
140.5	42.197	1.495	4214.342	0.04%	99.16%
141.0	41.463	1.451	4215.793	0.03%	99.20%
141.5	40.510	1.407	4217.199	0.03%	99.23%
142.0	39.994	1.366	4218.566	0.03%	99.26%
142.5	38.823	1.323	4219.889	0.03%	99.29%
143.0	38.426	1.282	4221.171	0.03%	99.32%
143.5	37.434	1.244	4222.415	0.03%	99.35%
144.0	36.699	1.202	4223.617	0.03%	99.38%
144.5	35.985	1.164	4224.781	0.03%	99.41%
145.0	35.072	1.124	4225.905	0.03%	99.43%
145.5	34.556	1.088	4226.993	0.03%	99.46%
146.0	33.663	1.053	4228.046	0.02%	99.48%
146.5	32.928	1.014	4229.06	0.02%	99.51%
147.0	32.114	0.978	4230.038	0.02%	99.53%
147.5	31.439	0.943	4230.98	0.02%	99.55%
148.0	30.586	0.907	4231.888	0.02%	99.57%
148.5	30.209	0.877	4232.765	0.02%	99.59%
149.0	29.375	0.847	4233.612	0.02%	99.61%
149.5	28.720	0.814	4234.427	0.02%	99.63%
150.0	28.224	0.786	4235.213	0.02%	99.65%
150.5	27.490	0.758	4235.971	0.02%	99.67%
151.0	27.212	0.733	4236.704	0.02%	99.69%
151.5	26.200	0.704	4237.408	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	25.823	0.675	4238.083	0.02%	99.72%
152.5	25.108	0.650	4238.733	0.02%	99.73%
153.0	24.572	0.624	4239.357	0.01%	99.75%
153.5	23.897	0.598	4239.955	0.01%	99.76%
154.0	23.322	0.573	4240.527	0.01%	99.78%
154.5	22.885	0.550	4241.078	0.01%	99.79%
155.0	22.111	0.526	4241.604	0.01%	99.80%
155.5	21.813	0.504	4242.108	0.01%	99.81%
156.0	21.099	0.483	4242.591	0.01%	99.83%
156.5	20.642	0.461	4243.052	0.01%	99.84%
157.0	19.987	0.440	4243.492	0.01%	99.85%
157.5	19.630	0.420	4243.912	0.01%	99.86%
158.0	18.935	0.400	4244.312	0.01%	99.87%
158.5	18.558	0.381	4244.693	0.01%	99.88%
159.0	18.022	0.363	4245.057	0.01%	99.88%
159.5	17.506	0.345	4245.402	0.01%	99.89%
160.0	17.109	0.328	4245.73	0.01%	99.90%
160.5	16.474	0.311	4246.041	0.01%	99.91%
161.0	16.256	0.296	4246.337	0.01%	99.91%
161.5	15.601	0.281	4246.618	0.01%	99.92%
162.0	15.204	0.264	4246.882	0.01%	99.93%
162.5	14.767	0.250	4247.133	0.01%	99.93%
163.0	14.251	0.236	4247.369	0.01%	99.94%
163.5	13.735	0.221	4247.59	0.01%	99.94%
164.0	13.378	0.208	4247.798	0.00%	99.95%
164.5	12.902	0.196	4247.993	0.00%	99.95%
165.0	12.425	0.183	4248.176	0.00%	99.96%
165.5	12.087	0.171	4248.347	0.00%	99.96%
166.0	11.532	0.159	4248.507	0.00%	99.96%
166.5	11.194	0.148	4248.655	0.00%	99.97%
167.0	10.679	0.137	4248.792	0.00%	99.97%
167.5	10.401	0.128	4248.92	0.00%	99.97%
168.0	9.944	0.118	4249.038	0.00%	99.98%
168.5	9.527	0.109	4249.147	0.00%	99.98%
169.0	9.031	0.099	4249.246	0.00%	99.98%
169.5	8.614	0.090	4249.336	0.00%	99.98%
170.0	8.257	0.082	4249.418	0.00%	99.99%
170.5	7.761	0.074	4249.493	0.00%	99.99%

Zonal flux distribution table

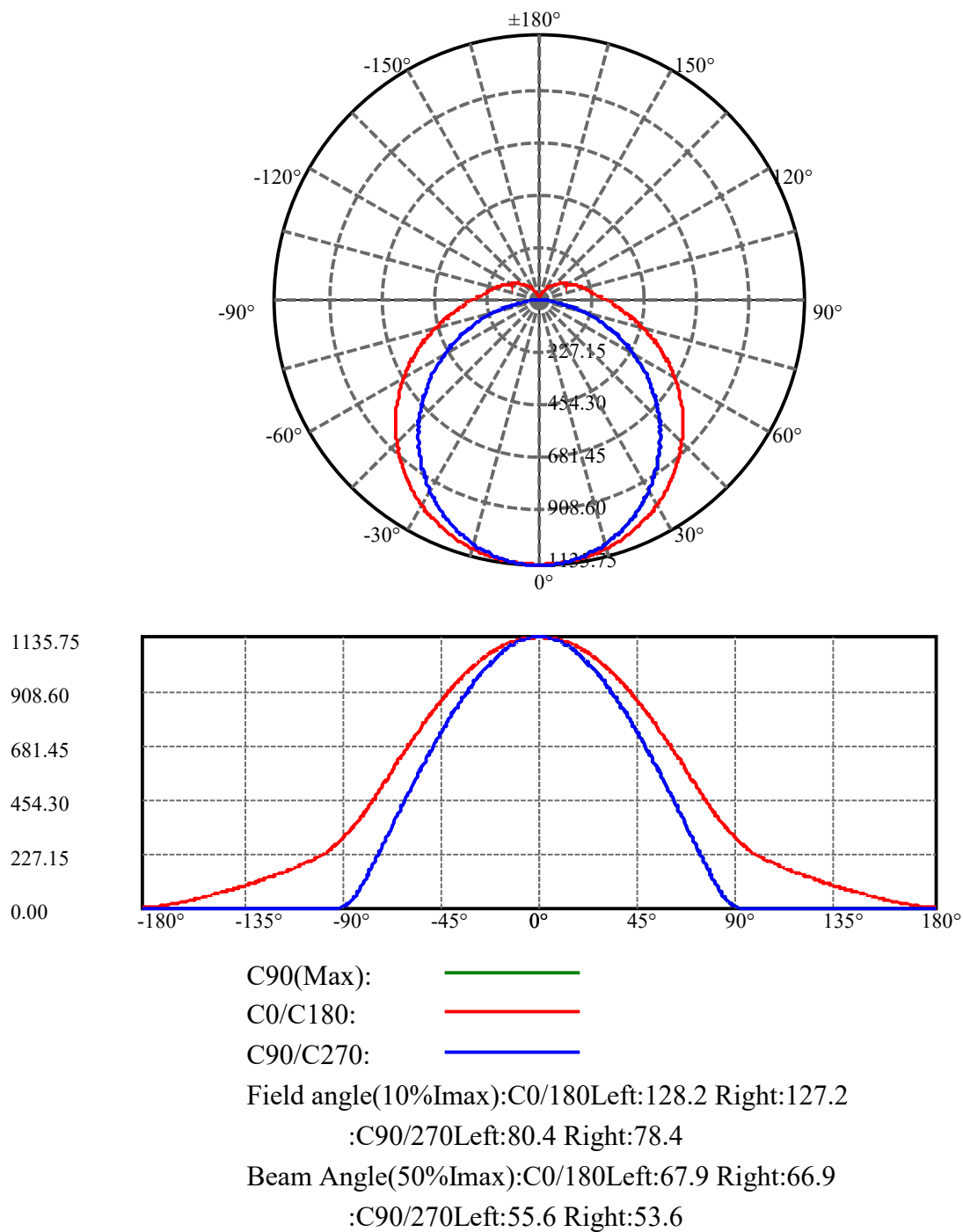
Appendix Page: 11 Total:29

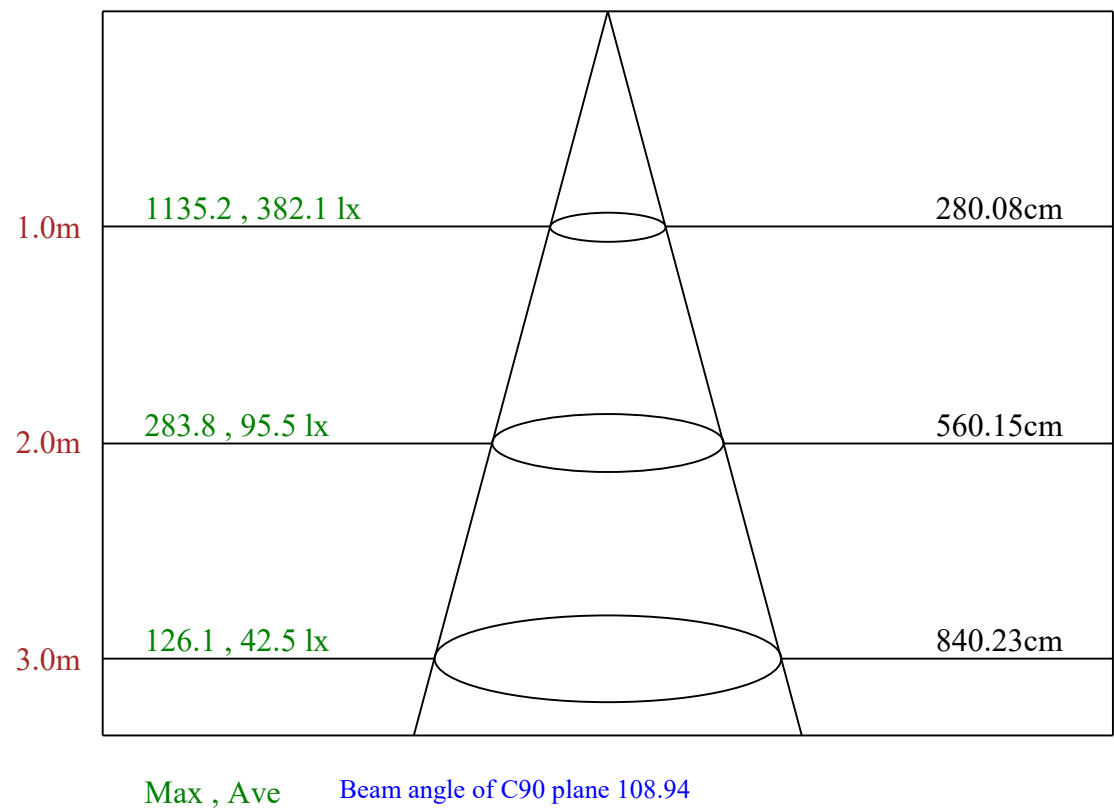
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
171.0	7.622	0.068	4249.561	0.00%	99.99%
171.5	7.126	0.062	4249.622	0.00%	99.99%
172.0	6.848	0.055	4249.677	0.00%	99.99%
172.5	6.490	0.049	4249.726	0.00%	99.99%
173.0	6.232	0.044	4249.77	0.00%	99.99%
173.5	5.875	0.039	4249.809	0.00%	100.00%
174.0	5.597	0.034	4249.844	0.00%	100.00%
174.5	5.181	0.030	4249.873	0.00%	100.00%
175.0	4.843	0.025	4249.898	0.00%	100.00%
175.5	4.644	0.022	4249.92	0.00%	100.00%
176.0	4.347	0.018	4249.938	0.00%	100.00%
176.5	4.307	0.016	4249.954	0.00%	100.00%
177.0	4.069	0.013	4249.967	0.00%	100.00%
177.5	3.950	0.011	4249.977	0.00%	100.00%
178.0	3.791	0.008	4249.986	0.00%	100.00%
178.5	3.672	0.006	4249.992	0.00%	100.00%
179.0	3.593	0.004	4249.996	0.00%	100.00%
179.5	3.414	0.003	4249.999	0.00%	100.00%
180.0	3.275	0.001	4250	0.00%	100.00%

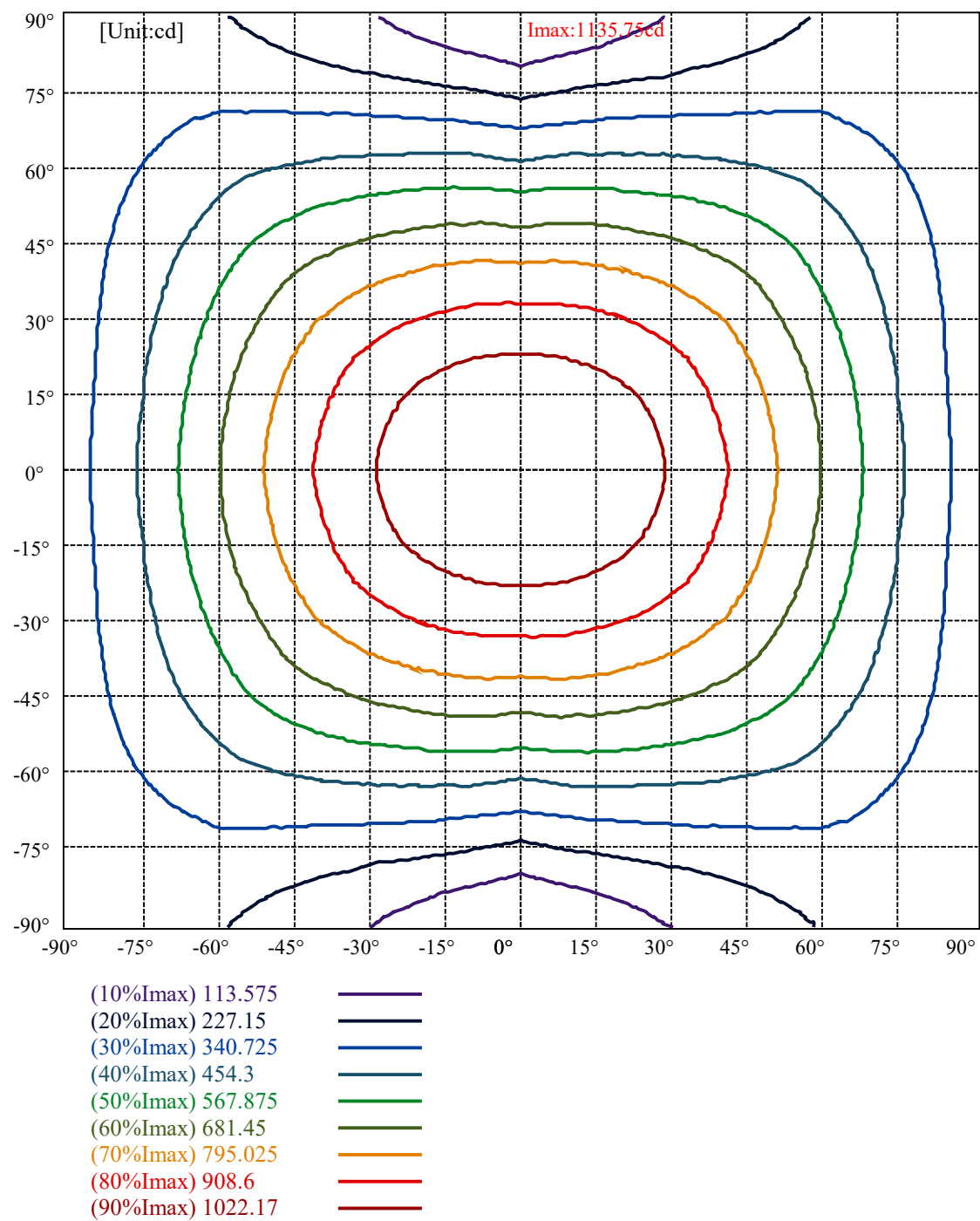
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	888.63	20.91%	20.91%
0-40	1466.83	34.51%	34.51%
0-60	2671.38	62.86%	62.86%
0-90	3759.42	88.46%	88.46%
0-120	4112.48	96.76%	96.76%
0-180	4250.00	100.00%	100.00%
60-90	1088.04	25.60%	25.60%
90-120	353.06	8.31%	8.31%
90-130	413.97	9.74%	9.74%
90-150	475.80	11.20%	11.20%
90-180	490.58	11.54%	11.54%
0-75.93	3400.00	80.00%	80.00%

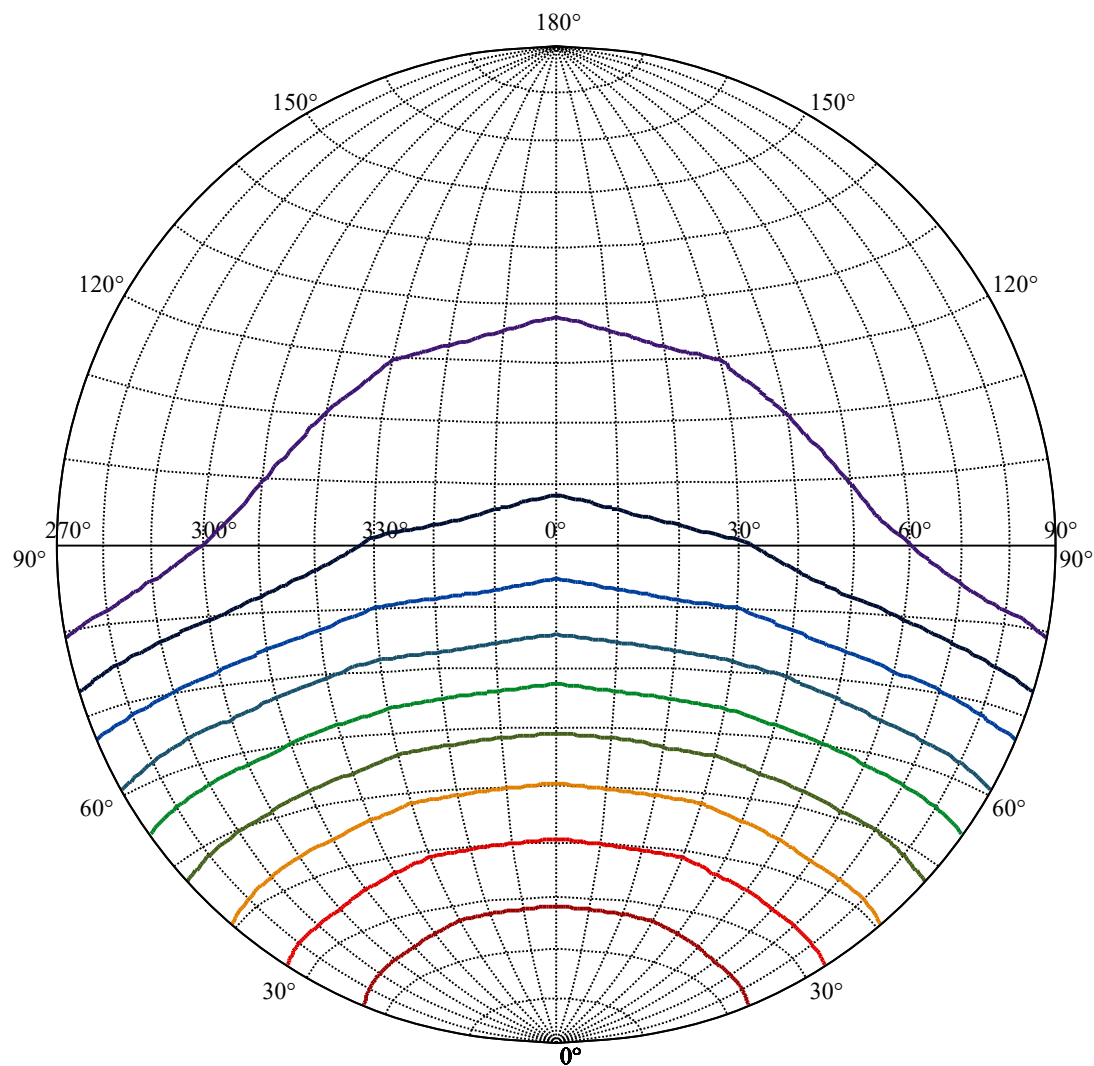
ZONAL LUMEN SUMMARY

0-10	107.45
10-20	308.95
20-30	472.24
30-40	578.20
40-50	617.14
50-60	587.41
60-70	496.24
70-80	362.28
80-90	229.52
90-100	152.59
100-110	114.57
110-120	85.90
120-130	60.91
130-140	39.46
140-150	22.37
150-160	10.52
160-170	3.69
170-180	0.58







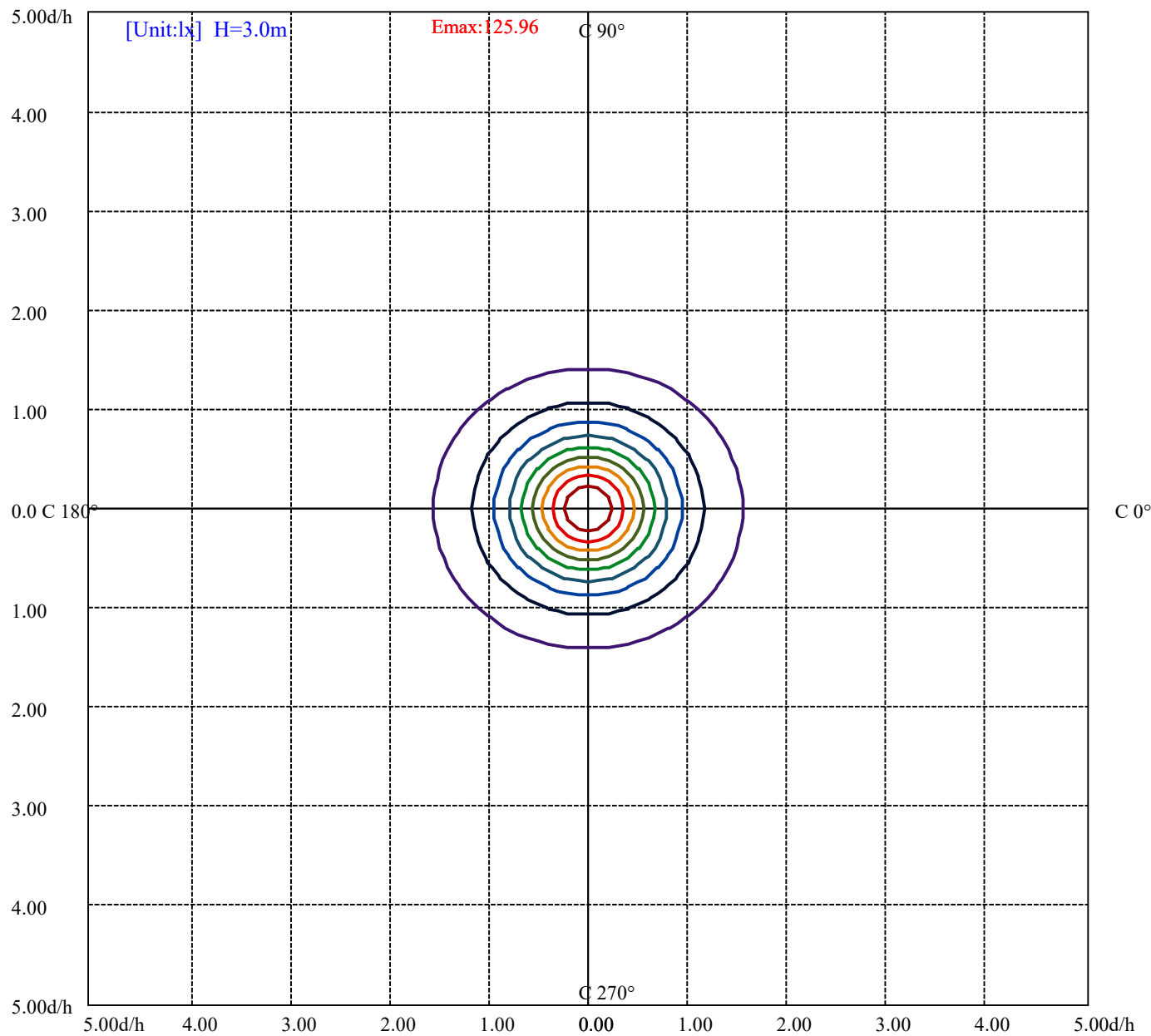


House

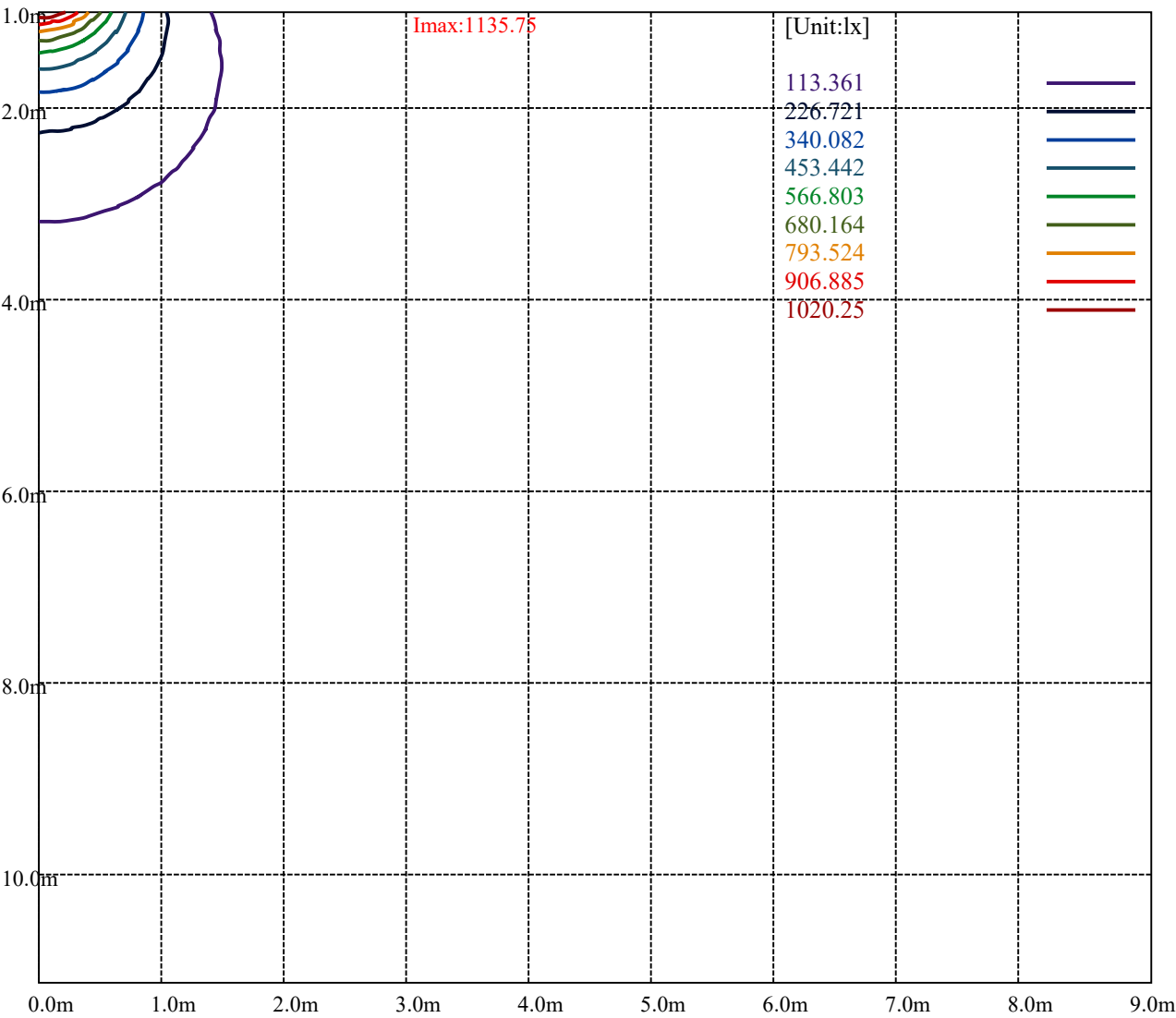
[Unit:cd]

Road

Imax:1135.75	
(10%Imax) 113.575	
(20%Imax) 227.15	
(30%Imax) 340.725	
(40%Imax) 454.3	
(50%Imax) 567.875	
(60%Imax) 681.45	
(70%Imax) 795.025	
(80%Imax) 908.6	
(90%Imax) 1022.17	



(10%Emax)	12.59567	
(20%Emax)	25.19122	
(30%Emax)	37.78689	
(40%Emax)	50.38244	
(50%Emax)	62.97811	
(60%Emax)	75.57378	
(70%Emax)	88.16933	
(80%Emax)	100.765	
(90%Emax)	113.3611	



Intensity data(cd)

Appendix Page: 19 Total:29

C/γ(°)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
0.0	1133.61	1133.61	1132.89	1132.30	1132.54	1131.94	1131.94	1131.11	1130.03
30.0	1133.61	1133.61	1134.68	1133.84	1134.08	1133.25	1132.42	1132.30	1131.22
60.0	1133.61	1133.61	1135.51	1135.51	1135.04	1135.04	1133.84	1133.84	1132.42
90.0	1133.61	1133.61	1135.75	1135.27	1135.27	1134.44	1134.44	1133.01	1133.01
120.0	1133.61	1133.61	1134.68	1134.80	1134.08	1133.25	1133.25	1132.18	1131.34
150.0	1133.61	1133.61	1135.04	1135.04	1134.44	1134.44	1133.84	1133.84	1132.77
180.0	1133.61	1133.61	1132.89	1132.30	1132.54	1131.94	1131.94	1131.11	1130.03
210.0	1133.61	1133.61	1134.68	1133.84	1134.08	1133.25	1132.42	1132.30	1131.22
240.0	1133.61	1133.61	1135.51	1135.51	1135.04	1135.04	1133.84	1133.84	1132.42
270.0	1133.61	1133.61	1135.75	1135.27	1135.27	1134.44	1134.44	1133.01	1133.01
300.0	1133.61	1133.61	1134.68	1134.80	1134.08	1133.25	1133.25	1132.18	1131.34
330.0	1133.61	1133.61	1135.04	1135.04	1134.44	1134.44	1133.84	1133.84	1132.77
360.0	1133.61	1133.61	1132.89	1132.30	1132.54	1131.94	1131.94	1131.11	1130.03

C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	1130.15	1129.08	1128.84	1127.65	1127.30	1125.75	1125.75	1123.96	1123.96
30.0	1130.99	1129.68	1129.32	1128.01	1127.53	1126.34	1124.20	1124.20	1121.82
60.0	1132.42	1130.75	1129.80	1128.49	1125.98	1125.98	1123.48	1123.48	1120.15
90.0	1131.46	1130.03	1129.44	1127.77	1126.70	1123.72	1123.72	1120.63	1120.63
120.0	1130.39	1130.03	1128.37	1127.30	1125.75	1125.15	1123.37	1120.63	1119.20
150.0	1132.77	1131.22	1130.27	1129.32	1127.53	1127.53	1125.51	1125.51	1123.25
180.0	1130.15	1129.08	1128.84	1127.65	1127.30	1125.75	1125.75	1123.96	1123.96
210.0	1130.99	1129.68	1129.32	1128.01	1127.53	1126.34	1124.20	1124.20	1121.82
240.0	1132.42	1130.75	1129.80	1128.49	1125.98	1125.98	1123.48	1123.48	1120.15
270.0	1131.46	1130.03	1129.44	1127.77	1126.70	1123.72	1123.72	1120.63	1120.63
300.0	1130.39	1130.03	1128.37	1127.30	1125.75	1125.15	1123.37	1120.63	1119.20
330.0	1132.77	1131.22	1130.27	1129.32	1127.53	1127.53	1125.51	1125.51	1123.25
360.0	1130.15	1129.08	1128.84	1127.65	1127.30	1125.75	1125.75	1123.96	1123.96

C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	1121.94	1120.27	1119.79	1118.01	1117.29	1115.51	1114.79	1111.69	1111.69
30.0	1120.86	1119.32	1118.48	1116.58	1115.51	1113.60	1112.41	1110.27	1106.93
60.0	1120.15	1116.93	1115.27	1113.00	1108.60	1108.60	1104.19	1104.19	1099.67
90.0	1117.05	1117.05	1112.89	1110.03	1107.88	1103.60	1103.60	1098.24	1098.24
120.0	1117.05	1115.51	1113.36	1111.93	1109.43	1107.65	1105.26	1100.86	1100.86
150.0	1123.25	1120.63	1119.20	1117.89	1114.67	1114.67	1111.58	1111.58	1107.88
180.0	1121.94	1120.27	1119.79	1118.01	1117.29	1115.51	1114.79	1111.69	1111.69
210.0	1120.86	1119.32	1118.48	1116.58	1115.51	1113.60	1112.41	1110.27	1106.93
240.0	1120.15	1116.93	1115.27	1113.00	1108.60	1108.60	1104.19	1104.19	1099.67
270.0	1117.05	1117.05	1112.89	1110.03	1107.88	1103.60	1103.60	1098.24	1098.24
300.0	1117.05	1115.51	1113.36	1111.93	1109.43	1107.65	1105.26	1100.86	1100.86
330.0	1123.25	1120.63	1119.20	1117.89	1114.67	1114.67	1111.58	1111.58	1107.88
360.0	1121.94	1120.27	1119.79	1118.01	1117.29	1115.51	1114.79	1111.69	1111.69

C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	1108.60	1106.34	1105.26	1102.88	1101.45	1099.19	1097.76	1095.26	1093.71
30.0	1105.50	1103.12	1101.45	1098.95	1097.40	1094.78	1093.00	1090.26	1088.23
60.0	1099.67	1094.55	1094.55	1089.31	1086.33	1083.47	1077.52	1077.52	1071.09
90.0	1092.88	1092.88	1086.92	1083.47	1080.73	1077.28	1074.30	1067.63	1067.63
120.0	1095.62	1093.59	1090.97	1088.59	1085.26	1082.88	1079.54	1077.16	1073.82
150.0	1105.98	1104.07	1104.07	1099.79	1097.88	1095.86	1090.97	1090.97	1086.57
180.0	1108.60	1106.34	1105.26	1102.88	1101.45	1099.19	1097.76	1095.26	1093.71
210.0	1105.50	1103.12	1101.45	1098.95	1097.40	1094.78	1093.00	1090.26	1088.23
240.0	1099.67	1094.55	1094.55	1089.31	1086.33	1083.47	1077.52	1077.52	1071.09
270.0	1092.88	1092.88	1086.92	1083.47	1080.73	1077.28	1074.30	1067.63	1067.63
300.0	1095.62	1093.59	1090.97	1088.59	1085.26	1082.88	1079.54	1077.16	1073.82
330.0	1105.98	1104.07	1104.07	1099.79	1097.88	1095.86	1090.97	1090.97	1086.57
360.0	1108.60	1106.34	1105.26	1102.88	1101.45	1099.19	1097.76	1095.26	1093.71

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	1089.19	1089.19	1084.42	1081.56	1079.54	1076.56	1074.54	1071.32	1069.18
30.0	1085.38	1080.37	1077.99	1075.02	1072.51	1069.18	1066.68	1063.34	1060.61
60.0	1071.09	1064.65	1064.65	1057.87	1057.87	1050.84	1047.27	1043.69	1036.19
90.0	1060.25	1060.25	1052.75	1052.75	1044.65	1040.00	1036.19	1032.02	1028.21
120.0	1067.27	1067.27	1060.61	1057.27	1053.70	1050.48	1046.20	1042.98	1038.93
150.0	1086.57	1081.45	1081.45	1075.97	1075.97	1070.13	1067.27	1064.30	1057.99
180.0	1089.19	1089.19	1084.42	1081.56	1079.54	1076.56	1074.54	1071.32	1069.18
210.0	1085.38	1080.37	1077.99	1075.02	1072.51	1069.18	1066.68	1063.34	1060.61
240.0	1071.09	1064.65	1064.65	1057.87	1057.87	1050.84	1047.27	1043.69	1036.19
270.0	1060.25	1060.25	1052.75	1052.75	1044.65	1040.00	1036.19	1032.02	1028.21
300.0	1067.27	1067.27	1060.61	1057.27	1053.70	1050.48	1046.20	1042.98	1038.93
330.0	1086.57	1081.45	1081.45	1075.97	1075.97	1070.13	1067.27	1064.30	1057.99
360.0	1089.19	1089.19	1084.42	1081.56	1079.54	1076.56	1074.54	1071.32	1069.18
C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	1063.46	1063.46	1057.63	1057.63	1051.55	1048.10	1045.36	1041.67	1038.81
30.0	1057.15	1050.96	1050.96	1044.29	1040.96	1037.26	1034.17	1030.24	1026.78
60.0	1036.19	1027.86	1027.86	1019.40	1019.40	1010.95	1006.78	1002.13	993.32
90.0	1019.28	1019.28	1010.47	1010.47	1000.82	995.82	991.18	985.82	981.05
120.0	1035.12	1031.07	1027.50	1023.45	1014.64	1010.95	1006.42	1002.25	997.49
150.0	1057.99	1051.55	1051.55	1044.89	1044.89	1037.98	1034.41	1030.95	1023.45
180.0	1063.46	1063.46	1057.63	1057.63	1051.55	1048.10	1045.36	1041.67	1038.81
210.0	1057.15	1050.96	1050.96	1044.29	1040.96	1037.26	1034.17	1030.24	1026.78
240.0	1036.19	1027.86	1027.86	1019.40	1019.40	1010.95	1006.78	1002.13	993.32
270.0	1019.28	1019.28	1010.47	1010.47	1000.82	995.82	991.18	985.82	981.05
300.0	1035.12	1031.07	1027.50	1023.45	1014.64	1010.95	1006.42	1002.25	997.49
330.0	1057.99	1051.55	1051.55	1044.89	1044.89	1037.98	1034.41	1030.95	1023.45
360.0	1063.46	1063.46	1057.63	1057.63	1051.55	1048.10	1045.36	1041.67	1038.81
C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	1035.00	1031.90	1025.00	1025.00	1017.85	1013.68	1010.35	1006.30	1002.85
30.0	1022.85	1019.16	1015.23	1007.37	1003.56	999.39	995.46	991.06	987.13
60.0	993.32	984.03	984.03	974.50	974.50	964.86	964.86	954.85	949.85
90.0	970.93	970.93	960.21	960.21	949.73	949.73	938.78	932.82	927.23
120.0	993.20	988.44	979.15	979.15	969.15	964.50	959.62	954.74	949.26
150.0	1023.45	1015.59	1015.59	1007.97	1007.97	999.75	999.75	991.77	987.72
180.0	1035.00	1031.90	1025.00	1025.00	1017.85	1013.68	1010.35	1006.30	1002.85
210.0	1022.85	1019.16	1015.23	1007.37	1003.56	999.39	995.46	991.06	987.13
240.0	993.32	984.03	984.03	974.50	974.50	964.86	964.86	954.85	949.85
270.0	970.93	970.93	960.21	960.21	949.73	949.73	938.78	932.82	927.23
300.0	993.20	988.44	979.15	979.15	969.15	964.50	959.62	954.74	949.26
330.0	1023.45	1015.59	1015.59	1007.97	1007.97	999.75	999.75	991.77	987.72
360.0	1035.00	1031.90	1025.00	1025.00	1017.85	1013.68	1010.35	1006.30	1002.85
C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	998.56	994.87	990.58	987.01	978.91	978.91	970.22	965.69	961.64
30.0	982.60	978.55	973.91	964.98	964.98	955.93	951.52	946.64	942.11
60.0	944.26	933.78	933.78	923.53	923.53	912.34	912.34	901.38	901.38
90.0	921.27	915.79	904.00	904.00	892.10	886.02	879.71	879.71	867.44
120.0	944.49	939.49	934.49	928.77	918.18	912.94	907.34	901.74	896.02
150.0	983.32	974.39	974.39	965.57	965.57	956.28	956.28	947.35	942.35
180.0	998.56	994.87	990.58	987.01	978.91	978.91	970.22	965.69	961.64
210.0	982.60	978.55	973.91	964.98	964.98	955.93	951.52	946.64	942.11
240.0	944.26	933.78	933.78	923.53	923.53	912.34	912.34	901.38	901.38
270.0	921.27	915.79	904.00	904.00	892.10	886.02	879.71	879.71	867.44
300.0	944.49	939.49	934.49	928.77	918.18	912.94	907.34	901.74	896.02
330.0	983.32	974.39	974.39	965.57	965.57	956.28	956.28	947.35	942.35
360.0	998.56	994.87	990.58	987.01	978.91	978.91	970.22	965.69	961.64

C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	957.00	952.95	948.19	944.02	934.97	934.97	925.56	920.68	916.15
30.0	937.11	932.35	922.58	922.58	917.46	907.46	907.46	897.33	892.21
60.0	890.07	884.71	878.76	867.44	867.44	855.77	855.77	843.27	843.27
90.0	861.01	854.82	841.84	841.84	828.98	828.98	815.76	815.76	802.06
120.0	890.43	884.59	879.47	873.16	867.32	861.37	849.58	843.86	837.55
150.0	937.47	932.94	927.94	918.18	918.18	908.17	908.17	897.57	897.57
180.0	957.00	952.95	948.19	944.02	934.97	934.97	925.56	920.68	916.15
210.0	937.11	932.35	922.58	922.58	917.46	907.46	907.46	897.33	892.21
240.0	890.07	884.71	878.76	867.44	867.44	855.77	855.77	843.27	843.27
270.0	861.01	854.82	841.84	841.84	828.98	828.98	815.76	815.76	802.06
300.0	890.43	884.59	879.47	873.16	867.32	861.37	849.58	843.86	837.55
330.0	937.47	932.94	927.94	918.18	918.18	908.17	908.17	897.57	897.57
360.0	957.00	952.95	948.19	944.02	934.97	934.97	925.56	920.68	916.15
C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	911.15	906.51	901.38	896.62	891.50	886.62	876.38	876.38	866.25
30.0	886.86	881.62	876.38	871.25	865.78	860.42	854.82	843.74	838.27
60.0	831.48	825.52	818.97	806.35	806.35	793.73	793.73	780.87	780.87
90.0	795.04	788.49	781.70	774.91	760.86	760.86	746.57	746.57	732.28
120.0	831.48	825.64	819.57	813.02	806.83	800.40	787.65	787.65	774.91
150.0	887.33	882.21	876.73	866.01	866.01	855.06	855.06	844.22	844.22
180.0	911.15	906.51	901.38	896.62	891.50	886.62	876.38	876.38	866.25
210.0	886.86	881.62	876.38	871.25	865.78	860.42	854.82	843.74	838.27
240.0	831.48	825.52	818.97	806.35	806.35	793.73	793.73	780.87	780.87
270.0	795.04	788.49	781.70	774.91	760.86	760.86	746.57	746.57	732.28
300.0	831.48	825.64	819.57	813.02	806.83	800.40	787.65	787.65	774.91
330.0	887.33	882.21	876.73	866.01	866.01	855.06	855.06	844.22	844.22
360.0	911.15	906.51	901.38	896.62	891.50	886.62	876.38	876.38	866.25
C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	860.77	855.65	850.41	845.17	839.58	834.34	828.74	823.50	812.42
30.0	832.67	827.07	821.24	815.52	809.57	803.97	798.13	786.46	786.46
60.0	768.12	768.12	754.67	748.24	741.69	728.11	728.11	714.77	714.77
90.0	732.28	717.75	710.37	703.22	695.72	688.33	673.57	673.57	658.44
120.0	768.36	761.93	755.50	748.83	742.16	735.25	728.82	721.80	708.22
150.0	833.15	833.15	821.83	816.12	810.28	798.73	798.73	786.82	786.82
180.0	860.77	855.65	850.41	845.17	839.58	834.34	828.74	823.50	812.42
210.0	832.67	827.07	821.24	815.52	809.57	803.97	798.13	786.46	786.46
240.0	768.12	768.12	754.67	748.24	741.69	728.11	728.11	714.77	714.77
270.0	732.28	717.75	710.37	703.22	695.72	688.33	673.57	673.57	658.44
300.0	768.36	761.93	755.50	748.83	742.16	735.25	728.82	721.80	708.22
330.0	833.15	833.15	821.83	816.12	810.28	798.73	798.73	786.82	786.82
360.0	860.77	855.65	850.41	845.17	839.58	834.34	828.74	823.50	812.42
C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	812.42	801.23	795.40	789.80	784.08	778.48	772.53	766.69	755.02
30.0	774.67	768.72	762.65	756.57	750.50	744.31	738.11	732.04	725.73
60.0	701.08	701.08	687.26	680.35	673.21	666.66	659.40	644.99	644.99
90.0	658.44	643.20	643.20	627.60	615.93	608.31	600.68	600.68	584.73
120.0	701.67	694.41	687.62	680.71	674.04	667.14	660.11	652.84	645.82
150.0	774.79	774.79	762.65	756.69	750.38	744.54	738.47	725.85	725.85
180.0	812.42	801.23	795.40	789.80	784.08	778.48	772.53	766.69	755.02
210.0	774.67	768.72	762.65	756.57	750.50	744.31	738.11	732.04	725.73
240.0	701.08	701.08	687.26	680.35	673.21	666.66	659.40	644.99	644.99
270.0	658.44	643.20	643.20	627.60	615.93	608.31	600.68	600.68	584.73
300.0	701.67	694.41	687.62	680.71	674.04	667.14	660.11	652.84	645.82
330.0	774.79	774.79	762.65	756.69	750.38	744.54	738.47	725.85	725.85
360.0	812.42	801.23	795.40	789.80	784.08	778.48	772.53	766.69	755.02

C/γ(°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	755.02	743.23	737.16	731.21	725.01	718.94	712.51	706.55	700.36
30.0	713.10	706.79	700.48	694.17	687.86	681.43	668.33	661.78	661.78
60.0	630.81	630.81	616.52	616.52	601.88	594.73	587.35	572.70	572.70
90.0	576.87	569.25	560.91	552.81	544.83	528.52	528.52	512.20	504.10
120.0	631.77	624.50	617.24	610.09	603.07	595.68	588.30	580.80	573.89
150.0	713.46	713.46	700.72	700.72	688.10	681.78	675.23	662.25	662.25
180.0	755.02	743.23	737.16	731.21	725.01	718.94	712.51	706.55	700.36
210.0	713.10	706.79	700.48	694.17	687.86	681.43	668.33	661.78	661.78
240.0	630.81	630.81	616.52	616.52	601.88	594.73	587.35	572.70	572.70
270.0	576.87	569.25	560.91	552.81	544.83	528.52	528.52	512.20	504.10
300.0	631.77	624.50	617.24	610.09	603.07	595.68	588.30	580.80	573.89
330.0	713.46	713.46	700.72	700.72	688.10	681.78	675.23	662.25	662.25
360.0	755.02	743.23	737.16	731.21	725.01	718.94	712.51	706.55	700.36
C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	694.17	681.67	681.67	669.28	662.85	656.54	650.11	643.80	637.24
30.0	655.23	648.80	635.70	629.03	622.36	615.69	609.02	602.23	595.56
60.0	558.17	558.17	543.52	543.52	528.40	528.40	513.39	506.13	498.51
90.0	495.77	487.79	479.45	471.23	462.78	446.23	446.23	429.43	429.43
120.0	566.63	551.86	551.86	537.21	529.71	522.21	514.82	507.08	499.70
150.0	648.92	648.92	635.58	635.58	622.48	622.48	609.26	602.83	596.04
180.0	694.17	681.67	681.67	669.28	662.85	656.54	650.11	643.80	637.24
210.0	655.23	648.80	635.70	629.03	622.36	615.69	609.02	602.23	595.56
240.0	558.17	558.17	543.52	543.52	528.40	528.40	513.39	506.13	498.51
270.0	495.77	487.79	479.45	471.23	462.78	446.23	446.23	429.43	429.43
300.0	566.63	551.86	551.86	537.21	529.71	522.21	514.82	507.08	499.70
330.0	648.92	648.92	635.58	635.58	622.48	622.48	609.26	602.83	596.04
360.0	694.17	681.67	681.67	669.28	662.85	656.54	650.11	643.80	637.24
C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	630.81	624.38	617.83	604.85	604.85	591.75	585.20	578.77	572.22
30.0	588.78	582.11	568.65	568.65	554.95	548.05	541.38	534.47	527.56
60.0	483.50	483.50	468.50	468.50	453.49	453.49	438.25	430.86	423.24
90.0	412.64	404.19	395.61	387.04	378.58	370.25	361.67	344.52	344.52
120.0	492.08	484.81	477.31	462.18	454.68	447.18	439.68	432.05	424.55
150.0	582.46	582.46	568.89	568.89	555.31	555.31	541.50	534.95	528.16
180.0	630.81	624.38	617.83	604.85	604.85	591.75	585.20	578.77	572.22
210.0	588.78	582.11	568.65	568.65	554.95	548.05	541.38	534.47	527.56
240.0	483.50	483.50	468.50	468.50	453.49	453.49	438.25	430.86	423.24
270.0	412.64	404.19	395.61	387.04	378.58	370.25	361.67	344.52	344.52
300.0	492.08	484.81	477.31	462.18	454.68	447.18	439.68	432.05	424.55
330.0	582.46	582.46	568.89	568.89	555.31	555.31	541.50	534.95	528.16
360.0	630.81	624.38	617.83	604.85	604.85	591.75	585.20	578.77	572.22
C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	565.55	559.12	552.45	539.23	539.23	526.13	526.13	513.04	506.72
30.0	520.66	513.87	506.84	500.17	486.60	486.60	472.78	465.88	459.09
60.0	415.86	408.12	392.99	392.99	377.99	377.99	362.86	362.86	347.74
90.0	327.38	318.68	309.99	301.41	293.20	284.62	275.93	267.24	258.78
120.0	417.05	409.31	401.81	386.80	386.80	371.80	364.17	356.67	349.17
150.0	514.23	514.23	500.53	500.53	486.72	486.72	473.14	473.14	459.56
180.0	565.55	559.12	552.45	539.23	539.23	526.13	526.13	513.04	506.72
210.0	520.66	513.87	506.84	500.17	486.60	486.60	472.78	465.88	459.09
240.0	415.86	408.12	392.99	392.99	377.99	377.99	362.86	362.86	347.74
270.0	327.38	318.68	309.99	301.41	293.20	284.62	275.93	267.24	258.78
300.0	417.05	409.31	401.81	386.80	386.80	371.80	364.17	356.67	349.17
330.0	514.23	514.23	500.53	500.53	486.72	486.72	473.14	473.14	459.56
360.0	565.55	559.12	552.45	539.23	539.23	526.13	526.13	513.04	506.72

C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	500.05	493.86	487.07	481.00	474.33	461.71	461.71	449.20	443.37
30.0	452.18	445.63	438.72	432.29	425.39	418.96	405.86	399.07	392.87
60.0	340.24	332.85	325.47	317.97	303.20	295.94	288.79	288.79	274.62
90.0	241.75	241.75	224.96	216.38	208.17	199.71	191.50	183.04	175.06
120.0	341.79	334.28	326.90	319.28	312.01	297.48	297.48	283.19	275.81
150.0	452.78	445.87	432.29	432.29	418.96	418.96	405.97	405.97	393.11
180.0	500.05	493.86	487.07	481.00	474.33	461.71	461.71	449.20	443.37
210.0	452.18	445.63	438.72	432.29	425.39	418.96	405.86	399.07	392.87
240.0	340.24	332.85	325.47	317.97	303.20	295.94	288.79	288.79	274.62
270.0	241.75	241.75	224.96	216.38	208.17	199.71	191.50	183.04	175.06
300.0	341.79	334.28	326.90	319.28	312.01	297.48	297.48	283.19	275.81
330.0	452.78	445.87	432.29	432.29	418.96	418.96	405.97	405.97	393.11
360.0	500.05	493.86	487.07	481.00	474.33	461.71	461.71	449.20	443.37
C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	436.82	431.22	424.79	419.19	412.88	401.09	401.09	389.78	389.78
30.0	386.21	380.13	373.58	367.75	361.32	355.48	343.57	343.57	332.02
60.0	274.62	260.45	253.42	246.63	233.18	233.18	219.96	219.96	207.45
90.0	158.75	158.75	142.91	142.91	127.43	119.45	112.30	104.44	97.77
120.0	269.02	261.88	255.21	247.82	241.39	234.37	228.17	215.31	208.64
150.0	393.11	380.25	374.06	367.87	355.60	355.60	343.69	343.69	332.14
180.0	436.82	431.22	424.79	419.19	412.88	401.09	401.09	389.78	389.78
210.0	386.21	380.13	373.58	367.75	361.32	355.48	343.57	343.57	332.02
240.0	274.62	260.45	253.42	246.63	233.18	233.18	219.96	219.96	207.45
270.0	158.75	158.75	142.91	142.91	127.43	119.45	112.30	104.44	97.77
300.0	269.02	261.88	255.21	247.82	241.39	234.37	228.17	215.31	208.64
330.0	393.11	380.25	374.06	367.87	355.60	355.60	343.69	343.69	332.14
360.0	436.82	431.22	424.79	419.19	412.88	401.09	401.09	389.78	389.78
C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	378.58	373.58	367.63	362.86	357.03	352.38	346.67	336.78	336.78
30.0	326.07	320.83	314.99	309.99	304.15	299.39	293.79	289.27	279.50
60.0	207.45	195.19	188.99	183.64	172.68	172.68	162.32	162.32	152.67
90.0	90.27	83.84	70.50	70.50	58.12	51.45	46.56	40.25	36.08
120.0	203.05	196.50	191.26	184.83	179.94	173.75	169.23	159.34	159.34
150.0	332.14	320.71	315.11	309.75	299.15	299.15	288.91	288.91	279.14
180.0	378.58	373.58	367.63	362.86	357.03	352.38	346.67	336.78	336.78
210.0	326.07	320.83	314.99	309.99	304.15	299.39	293.79	289.27	279.50
240.0	207.45	195.19	188.99	183.64	172.68	172.68	162.32	162.32	152.67
270.0	90.27	83.84	70.50	70.50	58.12	51.45	46.56	40.25	36.08
300.0	203.05	196.50	191.26	184.83	179.94	173.75	169.23	159.34	159.34
330.0	332.14	320.71	315.11	309.75	299.15	299.15	288.91	288.91	279.14
360.0	378.58	373.58	367.63	362.86	357.03	352.38	346.67	336.78	336.78
C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	327.02	322.97	317.61	313.68	308.56	308.56	299.75	296.05	291.29
30.0	274.26	270.09	265.09	261.04	256.28	252.47	247.82	244.37	239.96
60.0	152.67	143.62	143.62	135.40	131.00	128.02	121.11	121.11	114.92
90.0	30.25	26.80	21.56	18.82	12.62	12.62	7.62	4.65	4.65
120.0	150.17	144.93	141.48	136.71	133.62	129.09	126.35	122.30	119.80
150.0	279.14	269.74	269.74	260.69	256.28	252.23	243.89	243.89	236.39
180.0	327.02	322.97	317.61	313.68	308.56	308.56	299.75	296.05	291.29
210.0	274.26	270.09	265.09	261.04	256.28	252.47	247.82	244.37	239.96
240.0	152.67	143.62	143.62	135.40	131.00	128.02	121.11	121.11	114.92
270.0	30.25	26.80	21.56	18.82	12.62	12.62	7.62	4.65	4.65
300.0	150.17	144.93	141.48	136.71	133.62	129.09	126.35	122.30	119.80
330.0	279.14	269.74	269.74	260.69	256.28	252.23	243.89	243.89	236.39
360.0	327.02	322.97	317.61	313.68	308.56	308.56	299.75	296.05	291.29

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	283.31	283.31	275.57	272.36	268.07	265.21	261.04	258.19	254.25		
30.0	236.63	229.25	225.44	222.46	218.65	215.79	212.22	209.60	206.26		
60.0	114.92	111.59	109.56	104.56	101.94	100.27	97.89	96.46	93.01		
90.0	2.62	2.62	1.43	1.43	1.43	1.43	1.43	1.43	1.43		
120.0	113.85	113.85	108.61	105.63	103.85	101.11	99.68	97.18	95.87		
150.0	236.39	229.13	229.13	222.22	222.22	215.67	212.46	209.60	203.76		
180.0	283.31	283.31	275.57	272.36	268.07	265.21	261.04	258.19	254.25		
210.0	236.63	229.25	225.44	222.46	218.65	215.79	212.22	209.60	206.26		
240.0	114.92	111.59	109.56	104.56	101.94	100.27	97.89	96.46	93.01		
270.0	2.62	2.62	1.43	1.43	1.43	1.43	1.43	1.43	1.43		
300.0	113.85	113.85	108.61	105.63	103.85	101.11	99.68	97.18	95.87		
330.0	236.39	229.13	229.13	222.22	222.22	215.67	212.46	209.60	203.76		
360.0	283.31	283.31	275.57	272.36	268.07	265.21	261.04	258.19	254.25		
C/γ(°)	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5		
0.0	247.82	247.82	241.75	241.75	235.92	235.92	230.32	228.17	225.32		
30.0	203.88	198.40	198.40	193.28	190.54	188.52	185.90	183.99	181.61		
60.0	93.01	90.03	90.03	87.17	87.17	84.67	83.36	82.41	80.27		
90.0	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31		
120.0	93.84	92.65	89.67	88.01	87.05	85.63	84.67	83.36	82.41		
150.0	203.76	198.40	198.40	193.40	193.40	188.64	186.26	184.11	179.94		
180.0	247.82	247.82	241.75	241.75	235.92	235.92	230.32	228.17	225.32		
210.0	203.88	198.40	198.40	193.28	190.54	188.52	185.90	183.99	181.61		
240.0	93.01	90.03	90.03	87.17	87.17	84.67	83.36	82.41	80.27		
270.0	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31		
300.0	93.84	92.65	89.67	88.01	87.05	85.63	84.67	83.36	82.41		
330.0	203.76	198.40	198.40	193.40	193.40	188.64	186.26	184.11	179.94		
360.0	247.82	247.82	241.75	241.75	235.92	235.92	230.32	228.17	225.32		
C/γ(°)	99.0	99.5	100.0	100.5	101.0	101.5	102.0	102.5	103.0		
0.0	223.17	220.20	215.55	215.55	211.03	209.24	206.74	204.95	202.69		
30.0	179.82	177.68	176.01	172.20	170.30	168.75	166.84	165.42	163.63		
60.0	80.27	78.24	78.24	76.46	76.46	74.67	74.67	72.88	72.05		
90.0	1.31	1.43	1.43	1.43	1.31	1.31	1.31	1.31	1.19		
120.0	81.22	80.39	78.48	78.48	76.58	75.62	74.79	73.84	73.00		
150.0	179.94	177.92	176.13	172.56	172.56	168.99	168.99	165.65	164.10		
180.0	223.17	220.20	215.55	215.55	211.03	209.24	206.74	204.95	202.69		
210.0	179.82	177.68	176.01	172.20	170.30	168.75	166.84	165.42	163.63		
240.0	80.27	78.24	78.24	76.46	76.46	74.67	74.67	72.88	72.05		
270.0	1.31	1.43	1.43	1.43	1.31	1.31	1.31	1.31	1.19		
300.0	81.22	80.39	78.48	78.48	76.58	75.62	74.79	73.84	73.00		
330.0	179.94	177.92	176.13	172.56	172.56	168.99	168.99	165.65	164.10		
360.0	223.17	220.20	215.55	215.55	211.03	209.24	206.74	204.95	202.69		
C/γ(°)	103.5	104.0	104.5	105.0	105.5	106.0	106.5	107.0	107.5		
0.0	200.90	198.76	196.97	194.83	191.14	191.14	187.45	185.78	183.87		
30.0	162.20	160.41	158.98	157.32	155.89	152.91	151.36	150.05	148.39		
60.0	71.22	69.67	69.67	68.00	68.00	66.57	66.57	65.02	65.02		
90.0	1.19	1.19	1.19	1.19	1.19	1.31	1.19	1.19	1.19		
120.0	72.05	71.33	70.50	69.67	68.12	68.12	66.57	65.86	65.26		
150.0	162.44	159.34	159.34	156.25	156.25	153.27	153.27	150.29	150.29		
180.0	200.90	198.76	196.97	194.83	191.14	191.14	187.45	185.78	183.87		
210.0	162.20	160.41	158.98	157.32	155.89	152.91	151.36	150.05	148.39		
240.0	71.22	69.67	69.67	68.00	68.00	66.57	66.57	65.02	65.02		
270.0	1.19	1.19	1.19	1.19	1.19	1.31	1.19	1.19	1.19		
300.0	72.05	71.33	70.50	69.67	68.12	68.12	66.57	65.86	65.26		
330.0	162.44	159.34	159.34	156.25	156.25	153.27	153.27	150.29	150.29		
360.0	200.90	198.76	196.97	194.83	191.14	191.14	187.45	185.78	183.87		

Intensity data(cd)										Appendix Page: 25 Total:29	
C/γ(°)	108.0	108.5	109.0	109.5	110.0	110.5	111.0	111.5	112.0		
0.0	182.21	180.42	178.87	176.97	173.51	173.51	170.18	170.18	166.72		
30.0	146.96	145.53	144.10	142.55	141.24	138.50	138.50	135.64	134.21		
60.0	63.59	62.88	62.17	60.97	60.97	59.43	59.43	58.35	58.35		
90.0	1.19	1.19	1.19	1.31	1.31	1.31	1.31	1.31	1.31		
120.0	64.43	63.71	63.00	62.40	61.69	60.97	59.66	59.07	58.47		
150.0	148.86	146.00	144.46	141.60	141.60	138.86	138.86	135.88	135.88		
180.0	182.21	180.42	178.87	176.97	173.51	173.51	170.18	170.18	166.72		
210.0	146.96	145.53	144.10	142.55	141.24	138.50	138.50	135.64	134.21		
240.0	63.59	62.88	62.17	60.97	60.97	59.43	59.43	58.35	58.35		
270.0	1.19	1.19	1.19	1.31	1.31	1.31	1.31	1.31	1.31		
300.0	64.43	63.71	63.00	62.40	61.69	60.97	59.66	59.07	58.47		
330.0	148.86	146.00	144.46	141.60	141.60	138.86	138.86	135.88	135.88		
360.0	182.21	180.42	178.87	176.97	173.51	173.51	170.18	170.18	166.72		
C/γ(°)	112.5	113.0	113.5	114.0	114.5	115.0	115.5	116.0	116.5		
0.0	165.06	163.39	161.72	160.06	158.51	156.72	153.51	153.51	150.29		
30.0	132.90	131.36	130.05	128.62	127.31	125.88	124.69	121.95	120.64		
60.0	57.04	56.45	55.85	54.66	54.66	53.59	53.59	52.52	52.52		
90.0	1.31	1.43	1.43	1.43	1.31	1.31	1.31	1.31	1.31		
120.0	57.76	57.16	56.57	55.97	55.38	54.78	53.71	53.71	52.64		
150.0	133.14	131.83	130.40	127.90	127.90	125.04	125.04	122.42	122.42		
180.0	165.06	163.39	161.72	160.06	158.51	156.72	153.51	153.51	150.29		
210.0	132.90	131.36	130.05	128.62	127.31	125.88	124.69	121.95	120.64		
240.0	57.04	56.45	55.85	54.66	54.66	53.59	53.59	52.52	52.52		
270.0	1.31	1.43	1.43	1.43	1.31	1.31	1.31	1.31	1.31		
300.0	57.76	57.16	56.57	55.97	55.38	54.78	53.71	53.71	52.64		
330.0	133.14	131.83	130.40	127.90	127.90	125.04	125.04	122.42	122.42		
360.0	165.06	163.39	161.72	160.06	158.51	156.72	153.51	153.51	150.29		
C/γ(°)	117.0	117.5	118.0	118.5	119.0	119.5	120.0	120.5	121.0		
0.0	148.74	147.07	145.41	143.86	142.31	140.76	139.22	137.55	132.90		
30.0	119.45	118.14	116.95	115.52	115.52	113.13	111.83	109.32	109.32		
60.0	51.45	51.45	50.37	49.90	49.30	48.35	48.35	47.28	47.28		
90.0	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.55	1.55		
120.0	52.04	51.45	50.97	50.37	49.78	49.30	48.83	48.35	47.28		
150.0	119.80	118.49	117.18	115.99	114.68	112.18	112.18	109.68	109.68		
180.0	148.74	147.07	145.41	143.86	142.31	140.76	139.22	137.55	132.90		
210.0	119.45	118.14	116.95	115.52	115.52	113.13	111.83	109.32	109.32		
240.0	51.45	51.45	50.37	49.90	49.30	48.35	48.35	47.28	47.28		
270.0	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.55	1.55		
300.0	52.04	51.45	50.97	50.37	49.78	49.30	48.83	48.35	47.28		
330.0	119.80	118.49	117.18	115.99	114.68	112.18	112.18	109.68	109.68		
360.0	148.74	147.07	145.41	143.86	142.31	140.76	139.22	137.55	132.90		
C/γ(°)	121.5	122.0	122.5	123.0	123.5	124.0	124.5	125.0	125.5		
0.0	132.90	131.36	131.36	128.50	127.07	125.52	123.97	122.54	119.57		
30.0	106.82	105.63	104.44	103.25	102.06	100.75	99.56	98.37	97.30		
60.0	46.33	46.33	45.37	45.37	44.42	43.94	43.47	42.52	42.52		
90.0	1.55	1.55	1.55	1.55	1.55	1.67	1.67	1.55	1.67		
120.0	46.80	46.33	45.85	45.37	44.90	44.42	43.94	43.23	42.75		
150.0	107.18	107.18	104.80	103.49	102.30	101.23	100.03	97.65	97.65		
180.0	132.90	131.36	131.36	128.50	127.07	125.52	123.97	122.54	119.57		
210.0	106.82	105.63	104.44	103.25	102.06	100.75	99.56	98.37	97.30		
240.0	46.33	46.33	45.37	45.37	44.42	43.94	43.47	42.52	42.52		
270.0	1.55	1.55	1.55	1.55	1.55	1.67	1.67	1.55	1.67		
300.0	46.80	46.33	45.85	45.37	44.90	44.42	43.94	43.23	42.75		
330.0	107.18	107.18	104.80	103.49	102.30	101.23	100.03	97.65	97.65		
360.0	132.90	131.36	131.36	128.50	127.07	125.52	123.97	122.54	119.57		

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	119.57	116.71	116.71	113.85	112.54	110.99	108.13	108.13	106.82		
30.0	94.91	94.91	92.65	91.58	91.58	89.32	88.25	87.05	85.98		
60.0	41.68	41.21	40.73	40.73	39.78	39.06	38.47	37.28	37.28		
90.0	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67		
120.0	41.92	40.61	40.25	39.42	38.94	38.11	37.63	36.92	36.44		
150.0	95.39	95.39	93.01	93.01	90.75	89.56	88.48	86.34	86.34		
180.0	119.57	116.71	116.71	113.85	112.54	110.99	108.13	108.13	106.82		
210.0	94.91	94.91	92.65	91.58	91.58	89.32	88.25	87.05	85.98		
240.0	41.68	41.21	40.73	40.73	39.78	39.06	38.47	37.28	37.28		
270.0	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67		
300.0	41.92	40.61	40.25	39.42	38.94	38.11	37.63	36.92	36.44		
330.0	95.39	95.39	93.01	93.01	90.75	89.56	88.48	86.34	86.34		
360.0	119.57	116.71	116.71	113.85	112.54	110.99	108.13	108.13	106.82		
C/γ(°)	130.5	131.0	131.5	132.0	132.5	133.0	133.5	134.0	134.5		
0.0	105.39	102.77	102.77	100.03	98.73	97.30	95.99	94.68	93.37		
30.0	84.91	83.84	81.58	80.50	79.43	78.36	77.41	76.34	75.26		
60.0	35.96	35.96	34.66	34.66	33.34	33.34	32.27	31.56	31.20		
90.0	1.79	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91		
120.0	35.85	34.89	34.89	33.82	33.46	32.99	32.51	32.04	31.56		
150.0	84.08	84.08	82.05	82.05	79.79	79.79	77.77	76.69	75.74		
180.0	105.39	102.77	102.77	100.03	98.73	97.30	95.99	94.68	93.37		
210.0	84.91	83.84	81.58	80.50	79.43	78.36	77.41	76.34	75.26		
240.0	35.96	35.96	34.66	34.66	33.34	33.34	32.27	31.56	31.20		
270.0	1.79	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91		
300.0	35.85	34.89	34.89	33.82	33.46	32.99	32.51	32.04	31.56		
330.0	84.08	84.08	82.05	82.05	79.79	79.79	77.77	76.69	75.74		
360.0	105.39	102.77	102.77	100.03	98.73	97.30	95.99	94.68	93.37		
C/γ(°)	135.0	135.5	136.0	136.5	137.0	137.5	138.0	138.5	139.0		
0.0	92.06	90.75	89.44	86.94	86.94	84.43	83.12	81.81	80.62		
30.0	74.19	73.24	71.10	71.10	69.19	68.12	67.05	65.98	65.14		
60.0	30.13	30.13	29.18	29.18	28.34	28.34	27.39	26.91	26.56		
90.0	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91		
120.0	30.96	30.61	30.13	29.18	28.82	28.34	27.99	27.51	27.15		
150.0	73.60	73.60	71.69	71.69	69.55	69.55	67.64	66.57	65.62		
180.0	92.06	90.75	89.44	86.94	86.94	84.43	83.12	81.81	80.62		
210.0	74.19	73.24	71.10	71.10	69.19	68.12	67.05	65.98	65.14		
240.0	30.13	30.13	29.18	29.18	28.34	28.34	27.39	26.91	26.56		
270.0	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91		
300.0	30.96	30.61	30.13	29.18	28.82	28.34	27.99	27.51	27.15		
330.0	73.60	73.60	71.69	71.69	69.55	69.55	67.64	66.57	65.62		
360.0	92.06	90.75	89.44	86.94	86.94	84.43	83.12	81.81	80.62		
C/γ(°)	139.5	140.0	140.5	141.0	141.5	142.0	142.5	143.0	143.5		
0.0	79.43	78.12	76.93	74.55	74.55	72.17	70.98	69.79	68.71		
30.0	64.07	62.76	61.81	60.26	57.76	57.76	55.26	54.42	52.88		
60.0	25.96	25.60	24.89	24.89	24.06	24.06	23.22	23.22	22.39		
90.0	2.03	2.03	1.91	1.91	2.03	2.03	2.03	2.03	2.14		
120.0	26.68	26.32	25.84	25.37	24.89	24.18	23.70	23.34	22.98		
150.0	64.67	63.71	61.81	61.81	59.78	59.78	57.76	57.76	55.50		
180.0	79.43	78.12	76.93	74.55	74.55	72.17	70.98	69.79	68.71		
210.0	64.07	62.76	61.81	60.26	57.76	57.76	55.26	54.42	52.88		
240.0	25.96	25.60	24.89	24.89	24.06	24.06	23.22	23.22	22.39		
270.0	2.03	2.03	1.91	1.91	2.03	2.03	2.03	2.03	2.14		
300.0	26.68	26.32	25.84	25.37	24.89	24.18	23.70	23.34	22.98		
330.0	64.67	63.71	61.81	61.81	59.78	59.78	57.76	57.76	55.50		
360.0	79.43	78.12	76.93	74.55	74.55	72.17	70.98	69.79	68.71		

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	67.52	66.33	65.14	63.83	62.76	60.26	60.26	57.88	56.81
30.0	51.92	50.49	49.66	48.35	47.52	46.33	44.42	43.47	42.52
60.0	21.91	21.56	20.84	20.84	19.89	19.89	19.17	19.17	18.46
90.0	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14
120.0	22.63	22.27	21.91	21.44	21.20	20.48	20.48	19.77	19.41
150.0	54.07	53.11	50.73	50.73	48.47	48.47	46.21	46.21	44.18
180.0	67.52	66.33	65.14	63.83	62.76	60.26	60.26	57.88	56.81
210.0	51.92	50.49	49.66	48.35	47.52	46.33	44.42	43.47	42.52
240.0	21.91	21.56	20.84	20.84	19.89	19.89	19.17	19.17	18.46
270.0	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14
300.0	22.63	22.27	21.91	21.44	21.20	20.48	20.48	19.77	19.41
330.0	54.07	53.11	50.73	50.73	48.47	48.47	46.21	46.21	44.18
360.0	67.52	66.33	65.14	63.83	62.76	60.26	60.26	57.88	56.81
C/γ(°)	148.5	149.0	149.5	150.0	150.5	151.0	151.5	152.0	152.5
0.0	55.73	54.78	53.59	52.64	51.57	50.61	49.54	47.52	47.52
30.0	41.68	40.61	39.78	38.94	38.11	37.28	35.61	35.61	34.06
60.0	18.46	17.74	17.39	17.03	16.55	16.55	15.96	15.96	15.48
90.0	2.14	2.14	2.26	2.26	2.26	2.38	2.38	2.38	2.38
120.0	19.05	18.70	18.10	18.10	17.86	17.86	16.91	16.67	16.20
150.0	44.18	42.28	41.21	40.37	38.58	38.58	36.80	36.80	35.01
180.0	55.73	54.78	53.59	52.64	51.57	50.61	49.54	47.52	47.52
210.0	41.68	40.61	39.78	38.94	38.11	37.28	35.61	35.61	34.06
240.0	18.46	17.74	17.39	17.03	16.55	16.55	15.96	15.96	15.48
270.0	2.14	2.14	2.26	2.26	2.26	2.38	2.38	2.38	2.38
300.0	19.05	18.70	18.10	18.10	17.86	17.86	16.91	16.67	16.20
330.0	44.18	42.28	41.21	40.37	38.58	38.58	36.80	36.80	35.01
360.0	55.73	54.78	53.59	52.64	51.57	50.61	49.54	47.52	47.52
C/γ(°)	153.0	153.5	154.0	154.5	155.0	155.5	156.0	156.5	157.0
0.0	45.61	44.66	43.71	42.75	41.80	40.85	39.90	37.99	37.99
30.0	33.23	32.39	31.56	30.84	30.01	29.18	28.46	27.63	26.44
60.0	15.48	14.89	14.65	14.41	13.70	13.70	13.10	13.10	12.51
90.0	2.50	2.50	2.50	2.50	2.50	2.50	2.62	2.62	2.62
120.0	15.60	15.60	15.01	15.01	14.53	14.53	13.93	13.93	13.46
150.0	35.01	33.34	32.51	31.80	30.13	30.13	28.58	28.58	26.91
180.0	45.61	44.66	43.71	42.75	41.80	40.85	39.90	37.99	37.99
210.0	33.23	32.39	31.56	30.84	30.01	29.18	28.46	27.63	26.44
240.0	15.48	14.89	14.65	14.41	13.70	13.70	13.10	13.10	12.51
270.0	2.50	2.50	2.50	2.50	2.50	2.50	2.62	2.62	2.62
300.0	15.60	15.60	15.01	15.01	14.53	14.53	13.93	13.93	13.46
330.0	35.01	33.34	32.51	31.80	30.13	30.13	28.58	28.58	26.91
360.0	45.61	44.66	43.71	42.75	41.80	40.85	39.90	37.99	37.99
C/γ(°)	157.5	158.0	158.5	159.0	159.5	160.0	160.5	161.0	161.5
0.0	36.08	35.25	34.30	33.46	32.51	31.68	30.73	29.89	29.06
30.0	26.44	25.25	24.53	24.06	23.34	22.87	22.15	21.67	20.96
60.0	12.51	12.03	12.03	11.55	11.31	10.96	10.36	10.36	9.77
90.0	2.62	2.74	2.74	2.74	2.74	2.74	2.86	2.86	2.86
120.0	13.22	12.98	12.39	12.39	11.79	11.79	11.31	11.31	10.72
150.0	26.91	25.37	25.37	23.94	23.34	22.63	21.44	21.44	20.25
180.0	36.08	35.25	34.30	33.46	32.51	31.68	30.73	29.89	29.06
210.0	26.44	25.25	24.53	24.06	23.34	22.87	22.15	21.67	20.96
240.0	12.51	12.03	12.03	11.55	11.31	10.96	10.36	10.36	9.77
270.0	2.62	2.74	2.74	2.74	2.74	2.74	2.86	2.86	2.86
300.0	13.22	12.98	12.39	12.39	11.79	11.79	11.31	11.31	10.72
330.0	26.91	25.37	25.37	23.94	23.34	22.63	21.44	21.44	20.25
360.0	36.08	35.25	34.30	33.46	32.51	31.68	30.73	29.89	29.06

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	27.27	27.27	25.60	24.89	23.94	23.10	22.27	21.56	20.84		
30.0	20.48	19.77	18.58	17.98	17.39	16.91	16.20	15.72	15.12		
60.0	9.77	9.41	9.41	8.93	8.93	8.46	8.34	8.10	7.62		
90.0	2.86	2.86	2.86	2.98	2.98	2.98	2.98	2.98	2.98		
120.0	10.60	10.24	10.00	9.77	9.17	9.17	8.57	8.57	8.10		
150.0	20.25	19.05	19.05	17.86	17.86	16.79	16.20	15.60	14.53		
180.0	27.27	27.27	25.60	24.89	23.94	23.10	22.27	21.56	20.84		
210.0	20.48	19.77	18.58	17.98	17.39	16.91	16.20	15.72	15.12		
240.0	9.77	9.41	9.41	8.93	8.93	8.46	8.34	8.10	7.62		
270.0	2.86	2.86	2.86	2.98	2.98	2.98	2.98	2.98	2.98		
300.0	10.60	10.24	10.00	9.77	9.17	9.17	8.57	8.57	8.10		
330.0	20.25	19.05	19.05	17.86	17.86	16.79	16.20	15.60	14.53		
360.0	27.27	27.27	25.60	24.89	23.94	23.10	22.27	21.56	20.84		
C/γ(°)	166.5	167.0	167.5	168.0	168.5	169.0	169.5	170.0	170.5		
0.0	19.29	19.29	17.74	17.74	16.20	15.48	14.65	13.81	12.98		
30.0	14.65	13.58	13.58	12.51	11.91	11.43	10.84	10.48	9.89		
60.0	7.62	7.27	7.27	6.91	6.91	6.43	6.31	5.95	5.60		
90.0	2.98	2.98	3.10	3.10	3.10	3.10	3.10	3.10	3.10		
120.0	8.10	7.62	7.38	7.15	6.79	6.79	6.31	6.31	5.95		
150.0	14.53	13.34	13.34	12.27	12.27	10.96	10.48	9.88	9.05		
180.0	19.29	19.29	17.74	17.74	16.20	15.48	14.65	13.81	12.98		
210.0	14.65	13.58	13.58	12.51	11.91	11.43	10.84	10.48	9.89		
240.0	7.62	7.27	7.27	6.91	6.91	6.43	6.31	5.95	5.60		
270.0	2.98	2.98	3.10	3.10	3.10	3.10	3.10	3.10	3.10		
300.0	8.10	7.62	7.38	7.15	6.79	6.79	6.31	6.31	5.95		
330.0	14.53	13.34	13.34	12.27	12.27	10.96	10.48	9.88	9.05		
360.0	19.29	19.29	17.74	17.74	16.20	15.48	14.65	13.81	12.98		
C/γ(°)	171.0	171.5	172.0	172.5	173.0	173.5	174.0	174.5	175.0		
0.0	12.39	11.67	10.48	10.48	9.29	8.81	8.10	6.91	6.31		
30.0	9.53	8.81	8.46	7.62	7.62	6.91	6.43	6.19	5.72		
60.0	5.60	5.36	5.36	5.12	5.12	4.88	4.88	4.65	4.41		
90.0	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22		
120.0	5.95	5.48	5.36	5.12	4.76	4.76	4.29	4.29	3.93		
150.0	9.05	8.22	8.22	7.38	7.38	6.67	6.67	5.84	5.48		
180.0	12.39	11.67	10.48	10.48	9.29	8.81	8.10	6.91	6.31		
210.0	9.53	8.81	8.46	7.62	7.62	6.91	6.43	6.19	5.72		
240.0	5.60	5.36	5.36	5.12	5.12	4.88	4.88	4.65	4.41		
270.0	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22		
300.0	5.95	5.48	5.36	5.12	4.76	4.76	4.29	4.29	3.93		
330.0	9.05	8.22	8.22	7.38	7.38	6.67	6.67	5.84	5.48		
360.0	12.39	11.67	10.48	10.48	9.29	8.81	8.10	6.91	6.31		
C/γ(°)	175.5	176.0	176.5	177.0	177.5	178.0	178.5	179.0	179.5		
0.0	6.19	5.48	5.36	4.76	4.29	4.29	3.93	3.93	2.98		
30.0	5.24	4.88	4.76	4.41	4.29	3.81	3.45	3.45	3.33		
60.0	4.41	4.17	4.17	4.05	4.05	3.93	3.93	3.69	3.69		
90.0	3.22	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33		
120.0	3.69	3.57	3.57	3.57	3.45	3.45	3.45	3.45	3.45		
150.0	5.12	4.65	4.65	4.29	4.29	3.93	3.93	3.69	3.69		
180.0	6.19	5.48	5.36	4.76	4.29	4.29	3.93	3.93	2.98		
210.0	5.24	4.88	4.76	4.41	4.29	3.81	3.45	3.45	3.33		
240.0	4.41	4.17	4.17	4.05	4.05	3.93	3.93	3.69	3.69		
270.0	3.22	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33		
300.0	3.69	3.57	3.57	3.57	3.45	3.45	3.45	3.45	3.45		
330.0	5.12	4.65	4.65	4.29	4.29	3.93	3.93	3.69	3.69		
360.0	6.19	5.48	5.36	4.76	4.29	4.29	3.93	3.93	2.98		

Intensity data(cd)

Appendix Page: 29 Total:29

C/γ(°)	180.0
0.0	2.86
30.0	3.33
60.0	3.33
90.0	3.33
120.0	3.45
150.0	3.33
180.0	2.86
210.0	3.33
240.0	3.33
270.0	3.33
300.0	3.45
330.0	3.33
360.0	2.86