

Report No	:		Voltage	:	V
Test No	:	A2508873A001	Current	:	A
LumCAT	:		Power	:	8.500 W
Luminaire	:	0028920279 8.5W 4000K 1000lmPF		:	
LampCAT	:		Ballast type	:	
Lamp flux	:	1000.0 lm	Width	:	-300 mm
Number of Lamps	:	1	Length	:	-300 mm
Phm Type	:	C	Height	:	29 mm

Photometric Results

Lumens(lm)	:	1000.00	Central intensity(cd)	:	298.132
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	298.132
Luminous Efficacy(lm/W)	:	117.65	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	298.132	0.000	0	0.00%	0.00%
0.5	298.078	0.071	0.071	0.01%	0.01%
1.0	297.913	0.214	0.285	0.02%	0.03%
1.5	297.847	0.356	0.642	0.04%	0.06%
2.0	297.777	0.499	1.14	0.05%	0.11%
2.5	297.699	0.641	1.781	0.06%	0.18%
3.0	297.583	0.783	2.564	0.08%	0.26%
3.5	297.478	0.925	3.489	0.09%	0.35%
4.0	297.334	1.067	4.556	0.11%	0.46%
4.5	297.184	1.208	5.763	0.12%	0.58%
5.0	297.031	1.349	7.112	0.13%	0.71%
5.5	296.850	1.490	8.602	0.15%	0.86%
6.0	296.630	1.630	10.232	0.16%	1.02%
6.5	296.403	1.770	12.002	0.18%	1.20%
7.0	296.172	1.909	13.912	0.19%	1.39%
7.5	295.893	2.048	15.96	0.20%	1.60%
8.0	295.646	2.187	18.147	0.22%	1.81%
8.5	295.281	2.325	20.472	0.23%	2.05%
9.0	294.981	2.462	22.934	0.25%	2.29%
9.5	294.616	2.598	25.532	0.26%	2.55%
10.0	294.258	2.734	28.266	0.27%	2.83%
10.5	293.831	2.869	31.135	0.29%	3.11%
11.0	293.418	3.003	34.138	0.30%	3.41%
11.5	292.921	3.136	37.274	0.31%	3.73%
12.0	292.431	3.268	40.542	0.33%	4.05%
12.5	292.011	3.400	43.941	0.34%	4.39%
13.0	291.372	3.530	47.471	0.35%	4.75%
13.5	290.942	3.659	51.13	0.37%	5.11%
14.0	290.341	3.788	54.918	0.38%	5.49%
14.5	289.761	3.915	58.833	0.39%	5.88%
15.0	289.215	4.041	62.874	0.40%	6.29%
15.5	288.585	4.167	67.041	0.42%	6.70%
16.0	287.941	4.290	71.331	0.43%	7.13%
16.5	287.320	4.413	75.744	0.44%	7.57%
17.0	286.621	4.535	80.279	0.45%	8.03%
17.5	285.924	4.655	84.934	0.47%	8.49%
18.0	285.199	4.773	89.707	0.48%	8.97%
18.5	284.285	4.889	94.596	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	283.545	5.004	99.6	0.50%	9.96%
19.5	282.750	5.119	104.719	0.51%	10.47%
20.0	281.871	5.231	109.95	0.52%	10.99%
20.5	281.043	5.341	115.291	0.53%	11.53%
21.0	280.222	5.452	120.743	0.55%	12.07%
21.5	279.342	5.560	126.303	0.56%	12.63%
22.0	278.422	5.666	131.969	0.57%	13.20%
22.5	277.500	5.771	137.74	0.58%	13.77%
23.0	276.403	5.872	143.612	0.59%	14.36%
23.5	275.561	5.973	149.586	0.60%	14.96%
24.0	274.434	6.073	155.658	0.61%	15.57%
24.5	273.507	6.170	161.828	0.62%	16.18%
25.0	272.449	6.266	168.095	0.63%	16.81%
25.5	271.272	6.359	174.453	0.64%	17.45%
26.0	270.206	6.449	180.903	0.64%	18.09%
26.5	269.131	6.540	187.442	0.65%	18.74%
27.0	267.865	6.626	194.069	0.66%	19.41%
27.5	266.571	6.709	200.777	0.67%	20.08%
28.0	265.605	6.793	207.571	0.68%	20.76%
28.5	264.205	6.875	214.446	0.69%	21.44%
29.0	263.166	6.954	221.4	0.70%	22.14%
29.5	261.804	7.032	228.432	0.70%	22.84%
30.0	260.499	7.105	235.538	0.71%	23.55%
30.5	259.338	7.180	242.717	0.72%	24.27%
31.0	258.025	7.252	249.969	0.73%	25.00%
31.5	256.661	7.320	257.289	0.73%	25.73%
32.0	255.416	7.387	264.677	0.74%	26.47%
32.5	253.999	7.452	272.129	0.75%	27.21%
33.0	252.483	7.512	279.641	0.75%	27.96%
33.5	251.273	7.572	287.213	0.76%	28.72%
34.0	249.510	7.628	294.841	0.76%	29.48%
34.5	248.109	7.678	302.519	0.77%	30.25%
35.0	246.673	7.732	310.25	0.77%	31.03%
35.5	245.104	7.781	318.032	0.78%	31.80%
36.0	243.611	7.828	325.86	0.78%	32.59%
36.5	242.093	7.874	333.733	0.79%	33.37%
37.0	240.462	7.916	341.649	0.79%	34.16%
37.5	238.929	7.955	349.604	0.80%	34.96%

Equipment: GMS-1800
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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	237.363	7.994	357.598	0.80%	35.76%
38.5	235.530	8.026	365.625	0.80%	36.56%
39.0	234.280	8.062	373.687	0.81%	37.37%
39.5	232.335	8.094	381.78	0.81%	38.18%
40.0	230.674	8.117	389.897	0.81%	38.99%
40.5	228.945	8.142	398.039	0.81%	39.80%
41.0	227.196	8.163	406.202	0.82%	40.62%
41.5	225.420	8.182	414.383	0.82%	41.44%
42.0	223.806	8.201	422.584	0.82%	42.26%
42.5	221.972	8.217	430.801	0.82%	43.08%
43.0	220.077	8.226	439.028	0.82%	43.90%
43.5	218.738	8.243	447.271	0.82%	44.73%
44.0	216.729	8.256	455.526	0.83%	45.55%
44.5	215.173	8.262	463.789	0.83%	46.38%
45.0	212.915	8.262	472.051	0.83%	47.21%
45.5	210.754	8.249	480.3	0.82%	48.03%
46.0	208.923	8.242	488.542	0.82%	48.85%
46.5	206.910	8.235	496.777	0.82%	49.68%
47.0	204.789	8.221	504.998	0.82%	50.50%
47.5	202.864	8.207	513.205	0.82%	51.32%
48.0	201.080	8.197	521.402	0.82%	52.14%
48.5	198.809	8.179	529.581	0.82%	52.96%
49.0	197.048	8.159	537.741	0.82%	53.77%
49.5	194.605	8.134	545.875	0.81%	54.59%
50.0	192.706	8.104	553.979	0.81%	55.40%
50.5	190.669	8.081	562.06	0.81%	56.21%
51.0	188.459	8.049	570.109	0.80%	57.01%
51.5	186.378	8.014	578.123	0.80%	57.81%
52.0	184.275	7.980	586.103	0.80%	58.61%
52.5	182.009	7.940	594.043	0.79%	59.40%
53.0	179.898	7.898	601.941	0.79%	60.19%
53.5	177.859	7.859	609.8	0.79%	60.98%
54.0	175.244	7.807	617.607	0.78%	61.76%
54.5	173.313	7.755	625.362	0.78%	62.54%
55.0	170.753	7.703	633.065	0.77%	63.31%
55.5	168.429	7.640	640.706	0.76%	64.07%
56.0	166.366	7.587	648.292	0.76%	64.83%
56.5	164.053	7.532	655.824	0.75%	65.58%

Equipment: GMS-1800
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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	161.719	7.469	663.293	0.75%	66.33%
57.5	159.606	7.409	670.702	0.74%	67.07%
58.0	157.207	7.346	678.048	0.73%	67.80%
58.5	154.520	7.267	685.315	0.73%	68.53%
59.0	152.481	7.195	692.511	0.72%	69.25%
59.5	149.969	7.126	699.637	0.71%	69.96%
60.0	147.753	7.051	706.687	0.71%	70.67%
60.5	145.102	6.971	713.658	0.70%	71.37%
61.0	142.555	6.881	720.539	0.69%	72.05%
61.5	140.171	6.796	727.334	0.68%	72.73%
62.0	137.885	6.715	734.049	0.67%	73.40%
62.5	135.366	6.630	740.679	0.66%	74.07%
63.0	132.907	6.539	747.218	0.65%	74.72%
63.5	130.492	6.448	753.666	0.64%	75.37%
64.0	127.636	6.347	760.013	0.63%	76.00%
64.5	125.527	6.251	766.264	0.63%	76.63%
65.0	122.637	6.153	772.418	0.62%	77.24%
65.5	120.282	6.048	778.466	0.60%	77.85%
66.0	117.486	5.943	784.409	0.59%	78.44%
66.5	114.838	5.830	790.239	0.58%	79.02%
67.0	112.815	5.734	795.973	0.57%	79.60%
67.5	110.436	5.644	801.618	0.56%	80.16%
68.0	108.016	5.543	807.161	0.55%	80.72%
68.5	105.108	5.427	812.588	0.54%	81.26%
69.0	102.614	5.308	817.895	0.53%	81.79%
69.5	99.516	5.182	823.077	0.52%	82.31%
70.0	97.380	5.064	828.142	0.51%	82.81%
70.5	94.637	4.955	833.096	0.50%	83.31%
71.0	92.301	4.838	837.935	0.48%	83.79%
71.5	89.707	4.725	842.66	0.47%	84.27%
72.0	87.121	4.604	847.264	0.46%	84.73%
72.5	84.591	4.483	851.747	0.45%	85.17%
73.0	82.302	4.370	856.117	0.44%	85.61%
73.5	79.757	4.254	860.371	0.43%	86.04%
74.0	77.056	4.127	864.499	0.41%	86.45%
74.5	75.006	4.012	868.511	0.40%	86.85%
75.0	72.083	3.891	872.401	0.39%	87.24%
75.5	70.069	3.769	876.17	0.38%	87.62%

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

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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	67.485	3.655	879.825	0.37%	87.98%
76.5	65.013	3.528	883.354	0.35%	88.34%
77.0	62.754	3.410	886.763	0.34%	88.68%
77.5	60.531	3.297	890.06	0.33%	89.01%
78.0	58.211	3.181	893.241	0.32%	89.32%
78.5	56.060	3.067	896.308	0.31%	89.63%
79.0	54.094	2.962	899.27	0.30%	89.93%
79.5	51.696	2.849	902.119	0.28%	90.21%
80.0	49.968	2.743	904.862	0.27%	90.49%
80.5	47.684	2.639	907.501	0.26%	90.75%
81.0	45.870	2.531	910.032	0.25%	91.00%
81.5	44.054	2.437	912.469	0.24%	91.25%
82.0	42.111	2.338	914.806	0.23%	91.48%
82.5	40.360	2.240	917.047	0.22%	91.70%
83.0	38.713	2.150	919.197	0.22%	91.92%
83.5	36.980	2.061	921.258	0.21%	92.13%
84.0	35.399	1.972	923.23	0.20%	92.32%
84.5	33.940	1.891	925.122	0.19%	92.51%
85.0	32.297	1.808	926.93	0.18%	92.69%
85.5	31.089	1.732	928.662	0.17%	92.87%
86.0	29.429	1.655	930.316	0.17%	93.03%
86.5	28.073	1.573	931.89	0.16%	93.19%
87.0	26.872	1.504	933.393	0.15%	93.34%
87.5	25.642	1.438	934.832	0.14%	93.48%
88.0	24.523	1.374	936.206	0.14%	93.62%
88.5	23.618	1.319	937.525	0.13%	93.75%
89.0	22.589	1.266	938.791	0.13%	93.88%
89.5	21.530	1.209	940.001	0.12%	94.00%
90.0	20.780	1.160	941.161	0.12%	94.12%
90.5	19.781	1.112	942.273	0.11%	94.23%
91.0	19.114	1.066	943.339	0.11%	94.33%
91.5	18.289	1.025	944.364	0.10%	94.44%
92.0	17.566	0.983	945.347	0.10%	94.53%
92.5	16.951	0.946	946.292	0.09%	94.63%
93.0	16.370	0.912	947.205	0.09%	94.72%
93.5	15.828	0.881	948.086	0.09%	94.81%
94.0	15.343	0.853	948.939	0.09%	94.89%
94.5	14.937	0.828	949.767	0.08%	94.98%

Equipment: GMS-1800
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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	14.461	0.803	950.57	0.08%	95.06%
95.5	14.156	0.781	951.351	0.08%	95.14%
96.0	13.795	0.762	952.113	0.08%	95.21%
96.5	13.524	0.745	952.858	0.07%	95.29%
97.0	13.288	0.730	953.588	0.07%	95.36%
97.5	13.046	0.716	954.304	0.07%	95.43%
98.0	12.850	0.703	955.008	0.07%	95.50%
98.5	12.674	0.693	955.7	0.07%	95.57%
99.0	12.527	0.683	956.383	0.07%	95.64%
99.5	12.391	0.674	957.057	0.07%	95.71%
100.0	12.298	0.667	957.724	0.07%	95.77%
100.5	12.173	0.660	958.384	0.07%	95.84%
101.0	12.095	0.654	959.038	0.07%	95.90%
101.5	12.025	0.649	959.687	0.06%	95.97%
102.0	11.969	0.644	960.331	0.06%	96.03%
102.5	11.908	0.640	960.97	0.06%	96.10%
103.0	11.842	0.635	961.605	0.06%	96.16%
103.5	11.788	0.631	962.236	0.06%	96.22%
104.0	11.730	0.626	962.862	0.06%	96.29%
104.5	11.691	0.622	963.485	0.06%	96.35%
105.0	11.643	0.619	964.103	0.06%	96.41%
105.5	11.596	0.615	964.718	0.06%	96.47%
106.0	11.545	0.611	965.329	0.06%	96.53%
106.5	11.481	0.606	965.935	0.06%	96.59%
107.0	11.421	0.601	966.536	0.06%	96.65%
107.5	11.369	0.597	967.132	0.06%	96.71%
108.0	11.325	0.593	967.725	0.06%	96.77%
108.5	11.269	0.588	968.313	0.06%	96.83%
109.0	11.213	0.584	968.897	0.06%	96.89%
109.5	11.159	0.579	969.476	0.06%	96.95%
110.0	11.102	0.574	970.05	0.06%	97.01%
110.5	11.035	0.569	970.62	0.06%	97.06%
111.0	10.992	0.565	971.184	0.06%	97.12%
111.5	10.940	0.560	971.745	0.06%	97.17%
112.0	10.884	0.556	972.301	0.06%	97.23%
112.5	10.830	0.551	972.852	0.06%	97.29%
113.0	10.769	0.546	973.398	0.05%	97.34%
113.5	10.695	0.541	973.938	0.05%	97.39%

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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	10.611	0.535	974.473	0.05%	97.45%
114.5	10.551	0.529	975.002	0.05%	97.50%
115.0	10.479	0.524	975.526	0.05%	97.55%
115.5	10.416	0.518	976.044	0.05%	97.60%
116.0	10.343	0.513	976.556	0.05%	97.66%
116.5	10.295	0.507	977.064	0.05%	97.71%
117.0	10.201	0.502	977.565	0.05%	97.76%
117.5	10.133	0.496	978.061	0.05%	97.81%
118.0	10.077	0.490	978.551	0.05%	97.86%
118.5	10.013	0.485	979.037	0.05%	97.90%
119.0	9.942	0.480	979.516	0.05%	97.95%
119.5	9.882	0.474	979.99	0.05%	98.00%
120.0	9.813	0.469	980.459	0.05%	98.05%
120.5	9.727	0.463	980.922	0.05%	98.09%
121.0	9.660	0.457	981.379	0.05%	98.14%
121.5	9.585	0.451	981.83	0.05%	98.18%
122.0	9.518	0.445	982.275	0.04%	98.23%
122.5	9.435	0.439	982.715	0.04%	98.27%
123.0	9.361	0.433	983.148	0.04%	98.31%
123.5	9.285	0.427	983.575	0.04%	98.36%
124.0	9.209	0.422	983.997	0.04%	98.40%
124.5	9.125	0.415	984.412	0.04%	98.44%
125.0	9.047	0.409	984.822	0.04%	98.48%
125.5	8.983	0.404	985.225	0.04%	98.52%
126.0	8.893	0.398	985.623	0.04%	98.56%
126.5	8.832	0.392	986.015	0.04%	98.60%
127.0	8.739	0.386	986.401	0.04%	98.64%
127.5	8.655	0.380	986.781	0.04%	98.68%
128.0	8.564	0.373	987.154	0.04%	98.72%
128.5	8.480	0.367	987.521	0.04%	98.75%
129.0	8.413	0.361	987.882	0.04%	98.79%
129.5	8.339	0.356	988.238	0.04%	98.82%
130.0	8.250	0.350	988.587	0.03%	98.86%
130.5	8.156	0.343	988.931	0.03%	98.89%
131.0	8.080	0.337	989.268	0.03%	98.93%
131.5	7.983	0.331	989.599	0.03%	98.96%
132.0	7.912	0.325	989.924	0.03%	98.99%
132.5	7.809	0.319	990.243	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	7.706	0.312	990.555	0.03%	99.06%
133.5	7.638	0.306	990.862	0.03%	99.09%
134.0	7.548	0.301	991.162	0.03%	99.12%
134.5	7.454	0.295	991.457	0.03%	99.15%
135.0	7.365	0.289	991.746	0.03%	99.17%
135.5	7.283	0.283	992.028	0.03%	99.20%
136.0	7.185	0.277	992.305	0.03%	99.23%
136.5	7.101	0.271	992.576	0.03%	99.26%
137.0	6.995	0.265	992.841	0.03%	99.28%
137.5	6.908	0.259	993.099	0.03%	99.31%
138.0	6.816	0.253	993.352	0.03%	99.34%
138.5	6.710	0.247	993.599	0.02%	99.36%
139.0	6.621	0.241	993.84	0.02%	99.38%
139.5	6.529	0.235	994.076	0.02%	99.41%
140.0	6.435	0.230	994.305	0.02%	99.43%
140.5	6.339	0.224	994.529	0.02%	99.45%
141.0	6.254	0.218	994.748	0.02%	99.47%
141.5	6.149	0.213	994.96	0.02%	99.50%
142.0	6.063	0.207	995.168	0.02%	99.52%
142.5	5.952	0.202	995.369	0.02%	99.54%
143.0	5.825	0.195	995.565	0.02%	99.56%
143.5	5.746	0.190	995.755	0.02%	99.58%
144.0	5.660	0.185	995.939	0.02%	99.59%
144.5	5.571	0.180	996.119	0.02%	99.61%
145.0	5.479	0.175	996.294	0.02%	99.63%
145.5	5.381	0.170	996.464	0.02%	99.65%
146.0	5.284	0.165	996.628	0.02%	99.66%
146.5	5.200	0.160	996.788	0.02%	99.68%
147.0	5.086	0.155	996.943	0.02%	99.69%
147.5	5.008	0.150	997.092	0.01%	99.71%
148.0	4.905	0.145	997.237	0.01%	99.72%
148.5	4.801	0.140	997.378	0.01%	99.74%
149.0	4.726	0.136	997.513	0.01%	99.75%
149.5	4.613	0.131	997.644	0.01%	99.76%
150.0	4.485	0.126	997.77	0.01%	99.78%
150.5	4.388	0.121	997.89	0.01%	99.79%
151.0	4.304	0.116	998.007	0.01%	99.80%
151.5	4.195	0.112	998.119	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	4.116	0.108	998.227	0.01%	99.82%
152.5	4.000	0.104	998.33	0.01%	99.83%
153.0	3.910	0.099	998.429	0.01%	99.84%
153.5	3.825	0.095	998.525	0.01%	99.85%
154.0	3.728	0.092	998.617	0.01%	99.86%
154.5	3.623	0.088	998.704	0.01%	99.87%
155.0	3.509	0.083	998.787	0.01%	99.88%
155.5	3.392	0.079	998.867	0.01%	99.89%
156.0	3.297	0.075	998.942	0.01%	99.89%
156.5	3.204	0.072	999.014	0.01%	99.90%
157.0	3.086	0.068	999.082	0.01%	99.91%
157.5	3.001	0.065	999.146	0.01%	99.91%
158.0	2.914	0.061	999.208	0.01%	99.92%
158.5	2.808	0.058	999.266	0.01%	99.93%
159.0	2.710	0.055	999.321	0.01%	99.93%
159.5	2.612	0.052	999.372	0.01%	99.94%
160.0	2.510	0.049	999.421	0.00%	99.94%
160.5	2.425	0.046	999.467	0.00%	99.95%
161.0	2.329	0.043	999.51	0.00%	99.95%
161.5	2.228	0.040	999.55	0.00%	99.95%
162.0	2.155	0.038	999.587	0.00%	99.96%
162.5	2.061	0.035	999.623	0.00%	99.96%
163.0	1.991	0.033	999.656	0.00%	99.97%
163.5	1.904	0.031	999.686	0.00%	99.97%
164.0	1.825	0.029	999.715	0.00%	99.97%
164.5	1.760	0.027	999.742	0.00%	99.97%
165.0	1.683	0.025	999.767	0.00%	99.98%
165.5	1.607	0.023	999.79	0.00%	99.98%
166.0	1.534	0.021	999.811	0.00%	99.98%
166.5	1.474	0.020	999.83	0.00%	99.98%
167.0	1.382	0.018	999.848	0.00%	99.98%
167.5	1.318	0.016	999.865	0.00%	99.99%
168.0	1.260	0.015	999.88	0.00%	99.99%
168.5	1.204	0.014	999.893	0.00%	99.99%
169.0	1.128	0.012	999.906	0.00%	99.99%
169.5	1.067	0.011	999.917	0.00%	99.99%
170.0	1.014	0.010	999.927	0.00%	99.99%
170.5	0.967	0.009	999.936	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

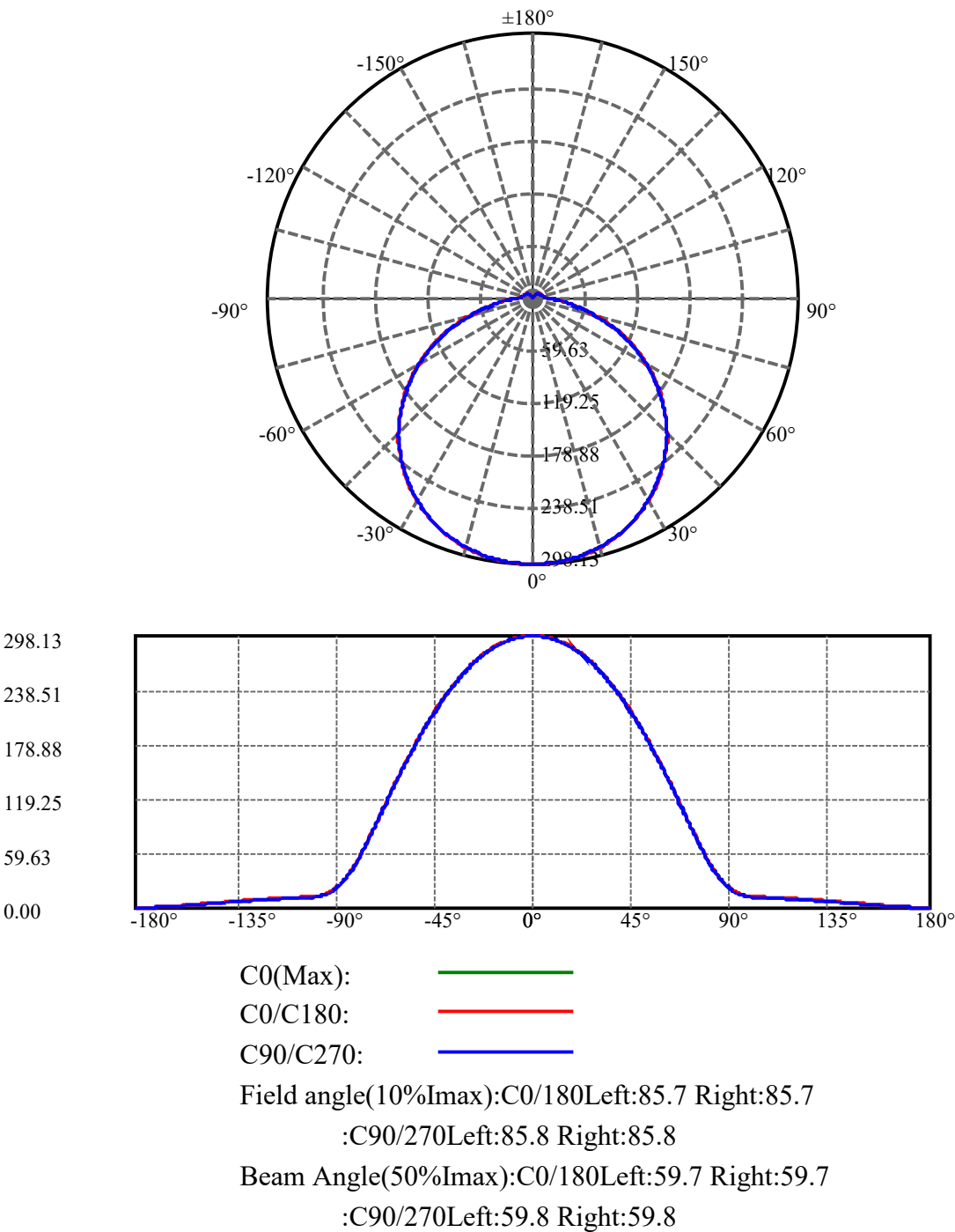
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
171.0	0.902	0.008	999.945	0.00%	99.99%
171.5	0.861	0.007	999.952	0.00%	100.00%
172.0	0.824	0.007	999.959	0.00%	100.00%
172.5	0.773	0.006	999.965	0.00%	100.00%
173.0	0.742	0.005	999.97	0.00%	100.00%
173.5	0.712	0.005	999.974	0.00%	100.00%
174.0	0.672	0.004	999.979	0.00%	100.00%
174.5	0.646	0.004	999.982	0.00%	100.00%
175.0	0.629	0.003	999.985	0.00%	100.00%
175.5	0.632	0.003	999.988	0.00%	100.00%
176.0	0.623	0.003	999.991	0.00%	100.00%
176.5	0.600	0.002	999.993	0.00%	100.00%
177.0	0.592	0.002	999.995	0.00%	100.00%
177.5	0.592	0.002	999.996	0.00%	100.00%
178.0	0.593	0.001	999.998	0.00%	100.00%
178.5	0.590	0.001	999.999	0.00%	100.00%
179.0	0.588	0.001	999.999	0.00%	100.00%
179.5	0.573	0.000	1000	0.00%	100.00%
180.0	0.579	0.000	1000	0.00%	100.00%

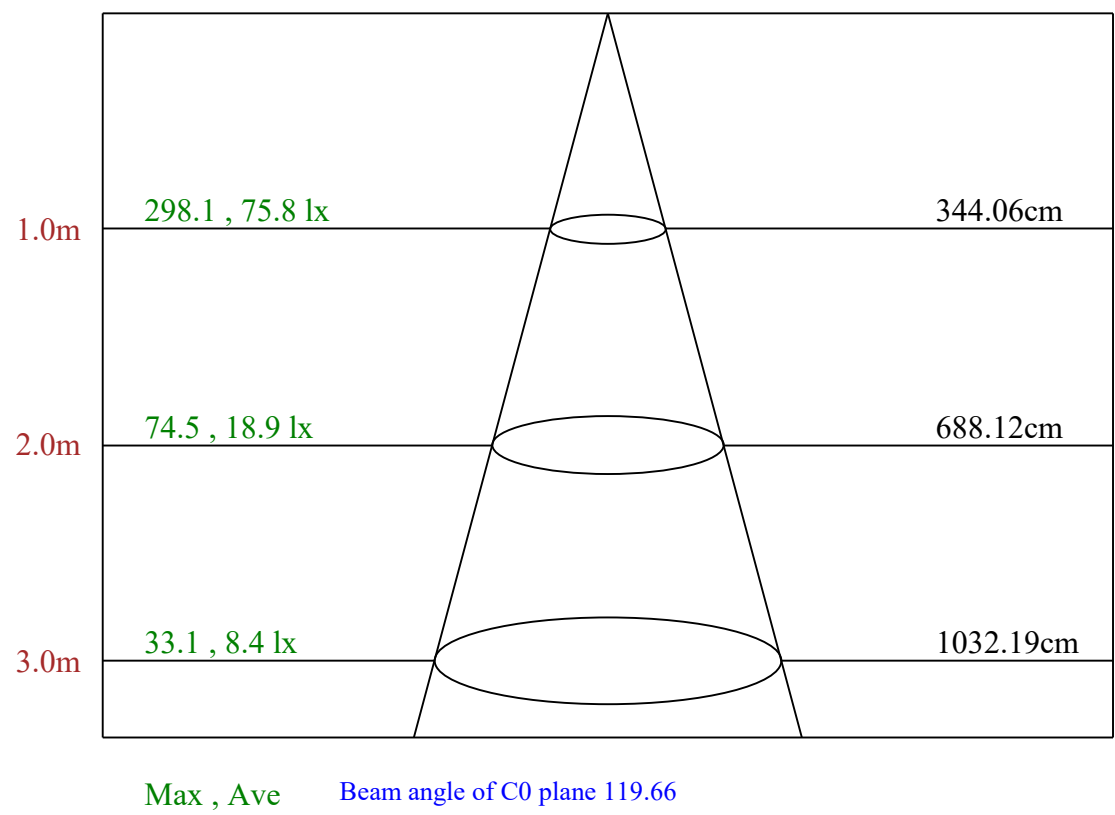
ZONAL LUMEN SUMMARY

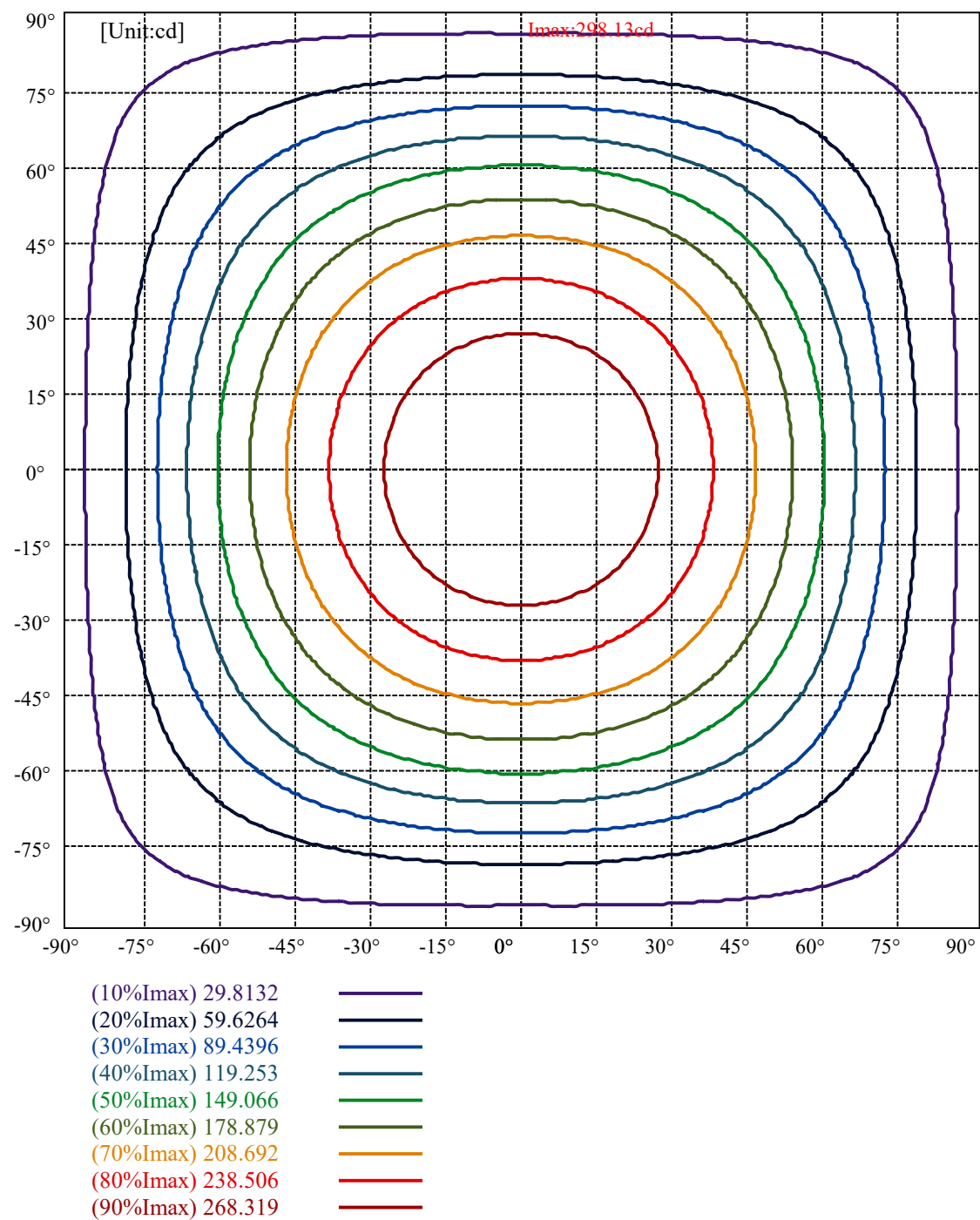
Zone	Lumens	%Lamp	%Fixt
0-30	235.54	23.55%	23.55%
0-40	389.90	38.99%	38.99%
0-60	706.69	70.67%	70.67%
0-90	941.16	94.12%	94.12%
0-120	980.46	98.05%	98.05%
0-180	1000.00	100.00%	100.00%
60-90	234.47	23.45%	23.45%
90-120	39.30	3.93%	3.93%
90-130	47.43	4.74%	4.74%
90-150	56.61	5.66%	5.66%
90-180	58.84	5.88%	5.88%
0-67.36	800.00	80.00%	80.00%

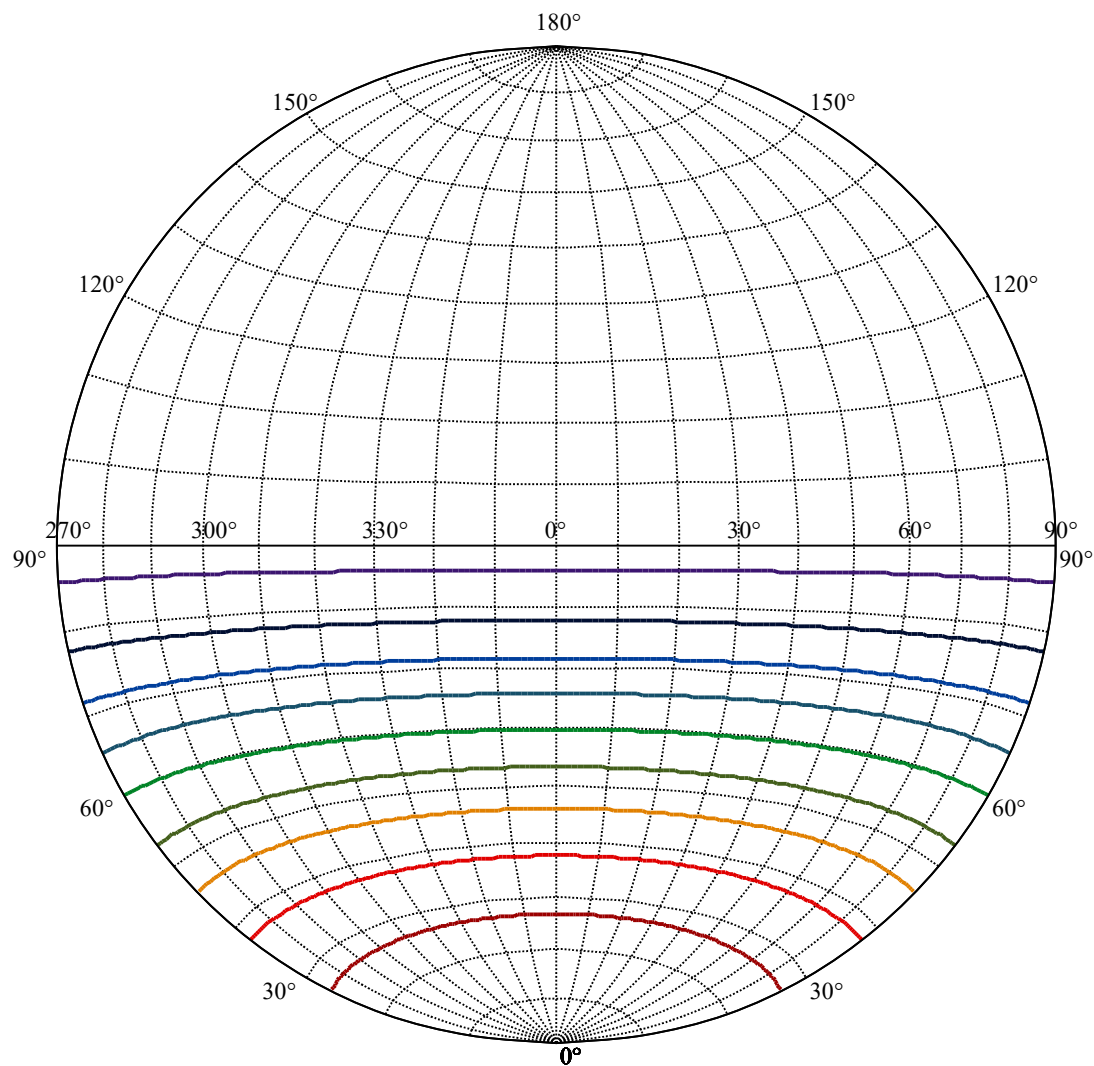
ZONAL LUMEN SUMMARY

0-10	28.27
10-20	81.68
20-30	125.59
30-40	154.36
40-50	164.08
50-60	152.71
60-70	121.45
70-80	76.72
80-90	36.30
90-100	16.56
100-110	12.33
110-120	10.41
120-130	8.13
130-140	5.72
140-150	3.46
150-160	1.65
160-170	0.51
170-180	0.07







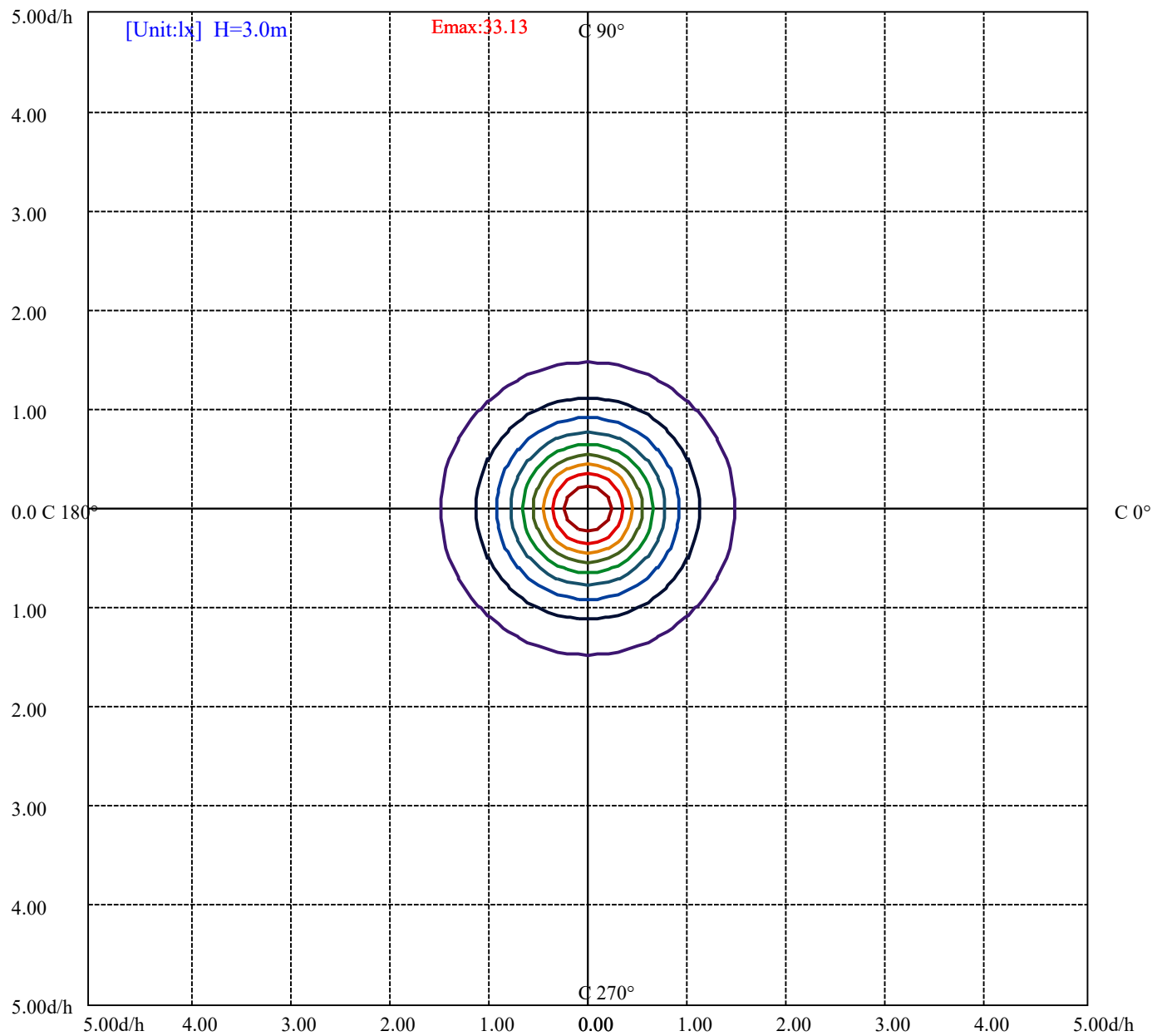


House

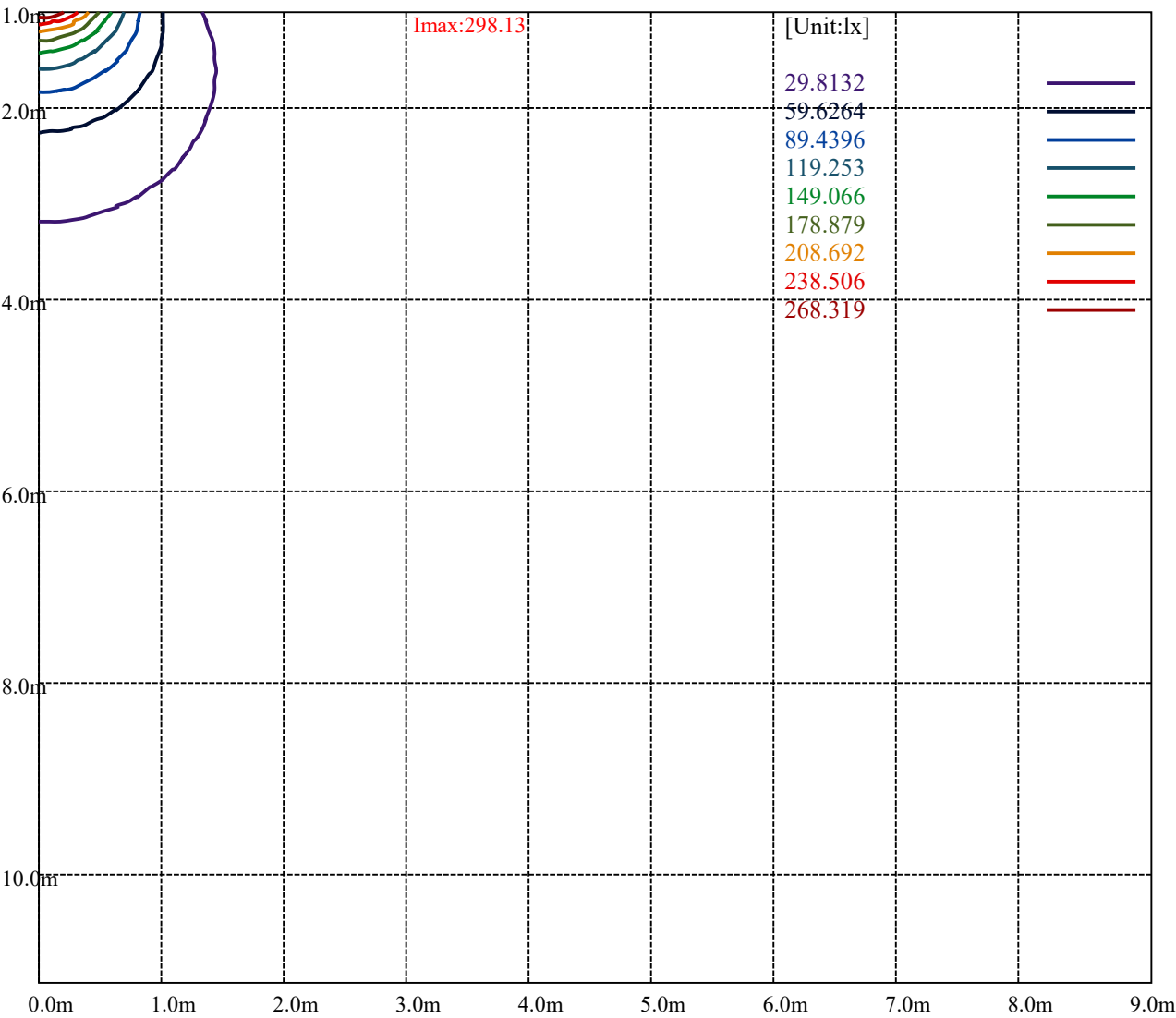
[Unit:cd]

Road

Imax:298.13	
(10%Imax) 29.8132	
(20%Imax) 59.6264	
(30%Imax) 89.4396	
(40%Imax) 119.253	
(50%Imax) 149.066	
(60%Imax) 178.879	
(70%Imax) 208.692	
(80%Imax) 238.506	
(90%Imax) 268.319	



(10%Emax)	3.312578	
(20%Emax)	6.625155	
(30%Emax)	9.937733	
(40%Emax)	13.25033	
(50%Emax)	16.56289	
(60%Emax)	19.87544	
(70%Emax)	23.188	
(80%Emax)	26.50067	
(90%Emax)	29.81322	



C/γ(°)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
0.0	298.13	298.08	298.02	297.96	297.92	297.83	297.71	297.57	297.44
30.0	298.13	298.07	297.95	297.87	297.82	297.73	297.62	297.50	297.37
60.0	298.13	298.08	297.87	297.80	297.72	297.63	297.53	297.42	297.29
90.0	298.13	298.08	297.83	297.79	297.66	297.63	297.48	297.45	297.25
120.0	298.13	298.08	297.87	297.80	297.72	297.63	297.53	297.42	297.29
150.0	298.13	298.07	297.95	297.87	297.82	297.73	297.62	297.50	297.37
180.0	298.13	298.08	298.02	297.96	297.92	297.83	297.71	297.57	297.44
210.0	298.13	298.07	297.95	297.87	297.82	297.73	297.62	297.50	297.37
240.0	298.13	298.08	297.87	297.80	297.72	297.63	297.53	297.42	297.29
270.0	298.13	298.08	297.83	297.79	297.66	297.63	297.48	297.45	297.25
300.0	298.13	298.08	297.87	297.80	297.72	297.63	297.53	297.42	297.29
330.0	298.13	298.07	297.95	297.87	297.82	297.73	297.62	297.50	297.37
360.0	298.13	298.08	298.02	297.96	297.92	297.83	297.71	297.57	297.44
C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	297.31	297.19	297.03	296.83	296.63	296.38	296.13	295.79	295.44
30.0	297.22	297.06	296.87	296.64	296.42	296.20	295.94	295.65	295.31
60.0	297.11	296.95	296.77	296.52	296.30	296.04	295.80	295.54	295.25
90.0	297.14	296.98	296.81	296.63	296.34	296.16	295.74	295.71	295.13
120.0	297.11	296.95	296.77	296.52	296.30	296.04	295.80	295.54	295.25
150.0	297.22	297.06	296.87	296.64	296.42	296.20	295.94	295.65	295.31
180.0	297.31	297.19	297.03	296.83	296.63	296.38	296.13	295.79	295.44
210.0	297.22	297.06	296.87	296.64	296.42	296.20	295.94	295.65	295.31
240.0	297.11	296.95	296.77	296.52	296.30	296.04	295.80	295.54	295.25
270.0	297.14	296.98	296.81	296.63	296.34	296.16	295.74	295.71	295.13
300.0	297.11	296.95	296.77	296.52	296.30	296.04	295.80	295.54	295.25
330.0	297.22	297.06	296.87	296.64	296.42	296.20	295.94	295.65	295.31
360.0	297.31	297.19	297.03	296.83	296.63	296.38	296.13	295.79	295.44
C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	295.07	294.74	294.40	294.05	293.68	293.27	292.84	292.26	291.61
30.0	294.99	294.65	294.27	293.88	293.44	292.98	292.54	292.02	291.42
60.0	294.92	294.60	294.17	293.73	293.30	292.72	292.29	291.84	291.32
90.0	294.98	294.47	294.27	293.71	293.35	292.86	292.10	292.07	291.13
120.0	294.92	294.60	294.17	293.73	293.30	292.72	292.29	291.84	291.32
150.0	294.99	294.65	294.27	293.88	293.44	292.98	292.54	292.02	291.42
180.0	295.07	294.74	294.40	294.05	293.68	293.27	292.84	292.26	291.61
210.0	294.99	294.65	294.27	293.88	293.44	292.98	292.54	292.02	291.42
240.0	294.92	294.60	294.17	293.73	293.30	292.72	292.29	291.84	291.32
270.0	294.98	294.47	294.27	293.71	293.35	292.86	292.10	292.07	291.13
300.0	294.92	294.60	294.17	293.73	293.30	292.72	292.29	291.84	291.32
330.0	294.99	294.65	294.27	293.88	293.44	292.98	292.54	292.02	291.42
360.0	295.07	294.74	294.40	294.05	293.68	293.27	292.84	292.26	291.61
C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	291.00	290.48	289.95	289.42	288.88	288.28	287.66	287.01	286.36
30.0	290.91	290.42	289.87	289.30	288.67	288.02	287.34	286.67	286.00
60.0	290.87	290.32	289.65	289.15	288.44	287.74	287.17	286.38	285.74
90.0	291.11	290.09	289.58	288.98	288.42	287.85	287.24	286.62	285.71
120.0	290.87	290.32	289.65	289.15	288.44	287.74	287.17	286.38	285.74
150.0	290.91	290.42	289.87	289.30	288.67	288.02	287.34	286.67	286.00
180.0	291.00	290.48	289.95	289.42	288.88	288.28	287.66	287.01	286.36
210.0	290.91	290.42	289.87	289.30	288.67	288.02	287.34	286.67	286.00
240.0	290.87	290.32	289.65	289.15	288.44	287.74	287.17	286.38	285.74
270.0	291.11	290.09	289.58	288.98	288.42	287.85	287.24	286.62	285.71
300.0	290.87	290.32	289.65	289.15	288.44	287.74	287.17	286.38	285.74
330.0	290.91	290.42	289.87	289.30	288.67	288.02	287.34	286.67	286.00
360.0	291.00	290.48	289.95	289.42	288.88	288.28	287.66	287.01	286.36

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	285.50	284.56	283.65	282.90	282.13	281.34	280.55	279.75	278.93
30.0	285.25	284.39	283.61	282.86	282.01	281.13	280.30	279.46	278.55
60.0	284.97	284.24	283.46	282.73	281.72	280.90	280.06	279.09	278.20
90.0	285.25	283.90	283.49	282.42	281.63	280.88	280.08	279.21	278.12
120.0	284.97	284.24	283.46	282.73	281.72	280.90	280.06	279.09	278.20
150.0	285.25	284.39	283.61	282.86	282.01	281.13	280.30	279.46	278.55
180.0	285.50	284.56	283.65	282.90	282.13	281.34	280.55	279.75	278.93
210.0	285.25	284.39	283.61	282.86	282.01	281.13	280.30	279.46	278.55
240.0	284.97	284.24	283.46	282.73	281.72	280.90	280.06	279.09	278.20
270.0	285.25	283.90	283.49	282.42	281.63	280.88	280.08	279.21	278.12
300.0	284.97	284.24	283.46	282.73	281.72	280.90	280.06	279.09	278.20
330.0	285.25	284.39	283.61	282.86	282.01	281.13	280.30	279.46	278.55
360.0	285.50	284.56	283.65	282.90	282.13	281.34	280.55	279.75	278.93
C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	277.93	276.90	275.74	274.80	273.74	272.72	271.56	270.56	269.54
30.0	277.58	276.58	275.56	274.55	273.61	272.58	271.44	270.32	269.17
60.0	277.19	276.27	275.36	274.39	273.35	272.41	271.10	270.03	268.95
90.0	277.53	275.82	275.80	273.93	273.38	272.00	271.01	269.99	269.01
120.0	277.19	276.27	275.36	274.39	273.35	272.41	271.10	270.03	268.95
150.0	277.58	276.58	275.56	274.55	273.61	272.58	271.44	270.32	269.17
180.0	277.93	276.90	275.74	274.80	273.74	272.72	271.56	270.56	269.54
210.0	277.58	276.58	275.56	274.55	273.61	272.58	271.44	270.32	269.17
240.0	277.19	276.27	275.36	274.39	273.35	272.41	271.10	270.03	268.95
270.0	277.53	275.82	275.80	273.93	273.38	272.00	271.01	269.99	269.01
300.0	277.19	276.27	275.36	274.39	273.35	272.41	271.10	270.03	268.95
330.0	277.58	276.58	275.56	274.55	273.61	272.58	271.44	270.32	269.17
360.0	277.93	276.90	275.74	274.80	273.74	272.72	271.56	270.56	269.54
C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	268.31	267.19	265.85	264.52	263.06	261.92	260.75	259.58	258.37
30.0	267.95	266.82	265.67	264.35	263.11	261.94	260.72	259.44	258.13
60.0	267.54	266.40	265.32	264.21	263.08	261.85	260.33	259.29	257.84
90.0	267.91	265.82	265.79	263.60	263.57	261.33	260.14	258.99	257.84
120.0	267.54	266.40	265.32	264.21	263.08	261.85	260.33	259.29	257.84
150.0	267.95	266.82	265.67	264.35	263.11	261.94	260.72	259.44	258.13
180.0	268.31	267.19	265.85	264.52	263.06	261.92	260.75	259.58	258.37
210.0	267.95	266.82	265.67	264.35	263.11	261.94	260.72	259.44	258.13
240.0	267.54	266.40	265.32	264.21	263.08	261.85	260.33	259.29	257.84
270.0	267.91	265.82	265.79	263.60	263.57	261.33	260.14	258.99	257.84
300.0	267.54	266.40	265.32	264.21	263.08	261.85	260.33	259.29	257.84
330.0	267.95	266.82	265.67	264.35	263.11	261.94	260.72	259.44	258.13
360.0	268.31	267.19	265.85	264.52	263.06	261.92	260.75	259.58	258.37
C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	257.14	255.91	254.68	253.42	251.72	249.87	248.14	246.79	245.40
30.0	256.79	255.43	254.10	252.80	251.35	249.68	248.20	246.82	245.31
60.0	256.36	255.20	253.55	252.18	250.87	249.50	248.02	246.72	244.92
90.0	256.54	255.33	254.01	251.50	251.48	248.83	248.08	246.16	244.76
120.0	256.36	255.20	253.55	252.18	250.87	249.50	248.02	246.72	244.92
150.0	256.79	255.43	254.10	252.80	251.35	249.68	248.20	246.82	245.31
180.0	257.14	255.91	254.68	253.42	251.72	249.87	248.14	246.79	245.40
210.0	256.79	255.43	254.10	252.80	251.35	249.68	248.20	246.82	245.31
240.0	256.36	255.20	253.55	252.18	250.87	249.50	248.02	246.72	244.92
270.0	256.54	255.33	254.01	251.50	251.48	248.83	248.08	246.16	244.76
300.0	256.36	255.20	253.55	252.18	250.87	249.50	248.02	246.72	244.92
330.0	256.79	255.43	254.10	252.80	251.35	249.68	248.20	246.82	245.31
360.0	257.14	255.91	254.68	253.42	251.72	249.87	248.14	246.79	245.40

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	244.00	242.60	241.17	239.72	237.81	236.02	234.16	232.51	230.69
30.0	243.75	242.15	240.56	239.08	237.45	235.79	234.30	232.55	230.72
60.0	243.42	241.89	240.01	238.61	236.97	235.48	234.17	232.42	230.62
90.0	243.34	241.90	240.47	238.48	237.55	234.61	234.59	231.57	230.68
120.0	243.42	241.89	240.01	238.61	236.97	235.48	234.17	232.42	230.62
150.0	243.75	242.15	240.56	239.08	237.45	235.79	234.30	232.55	230.72
180.0	244.00	242.60	241.17	239.72	237.81	236.02	234.16	232.51	230.69
210.0	243.75	242.15	240.56	239.08	237.45	235.79	234.30	232.55	230.72
240.0	243.42	241.89	240.01	238.61	236.97	235.48	234.17	232.42	230.62
270.0	243.34	241.90	240.47	238.48	237.55	234.61	234.59	231.57	230.68
300.0	243.42	241.89	240.01	238.61	236.97	235.48	234.17	232.42	230.62
330.0	243.75	242.15	240.56	239.08	237.45	235.79	234.30	232.55	230.72
360.0	244.00	242.60	241.17	239.72	237.81	236.02	234.16	232.51	230.69

C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	229.16	227.62	226.04	224.42	222.79	221.43	219.94	218.27	215.99
30.0	229.06	227.33	225.58	223.82	222.09	220.49	218.89	217.03	215.21
60.0	228.96	226.98	225.04	223.55	221.43	219.65	217.99	216.31	214.62
90.0	228.48	226.93	225.25	223.67	222.01	218.75	218.72	215.41	215.39
120.0	228.96	226.98	225.04	223.55	221.43	219.65	217.99	216.31	214.62
150.0	229.06	227.33	225.58	223.82	222.09	220.49	218.89	217.03	215.21
180.0	229.16	227.62	226.04	224.42	222.79	221.43	219.94	218.27	215.99
210.0	229.06	227.33	225.58	223.82	222.09	220.49	218.89	217.03	215.21
240.0	228.96	226.98	225.04	223.55	221.43	219.65	217.99	216.31	214.62
270.0	228.48	226.93	225.25	223.67	222.01	218.75	218.72	215.41	215.39
300.0	228.96	226.98	225.04	223.55	221.43	219.65	217.99	216.31	214.62
330.0	229.06	227.33	225.58	223.82	222.09	220.49	218.89	217.03	215.21
360.0	229.16	227.62	226.04	224.42	222.79	221.43	219.94	218.27	215.99

C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	213.57	211.17	209.18	207.41	205.62	203.80	201.96	199.89	197.41
30.0	213.24	211.11	209.07	206.97	204.88	203.02	201.22	199.20	197.03
60.0	212.76	210.48	208.89	206.71	204.25	202.50	200.44	198.53	196.67
90.0	211.93	210.18	208.44	206.70	204.87	202.34	201.19	197.51	197.49
120.0	212.76	210.48	208.89	206.71	204.25	202.50	200.44	198.53	196.67
150.0	213.24	211.11	209.07	206.97	204.88	203.02	201.22	199.20	197.03
180.0	213.57	211.17	209.18	207.41	205.62	203.80	201.96	199.89	197.41
210.0	213.24	211.11	209.07	206.97	204.88	203.02	201.22	199.20	197.03
240.0	212.76	210.48	208.89	206.71	204.25	202.50	200.44	198.53	196.67
270.0	211.93	210.18	208.44	206.70	204.87	202.34	201.19	197.51	197.49
300.0	212.76	210.48	208.89	206.71	204.25	202.50	200.44	198.53	196.67
330.0	213.24	211.11	209.07	206.97	204.88	203.02	201.22	199.20	197.03
360.0	213.57	211.17	209.18	207.41	205.62	203.80	201.96	199.89	197.41

C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	194.86	192.63	190.71	188.77	186.82	184.87	182.90	180.90	178.53
30.0	194.79	192.83	190.88	188.73	186.53	184.31	182.12	180.09	178.01
60.0	194.73	192.64	190.80	188.25	186.16	184.04	181.42	179.50	177.27
90.0	193.73	192.67	189.95	188.02	186.08	184.10	182.07	179.31	178.07
120.0	194.73	192.64	190.80	188.25	186.16	184.04	181.42	179.50	177.27
150.0	194.79	192.83	190.88	188.73	186.53	184.31	182.12	180.09	178.01
180.0	194.86	192.63	190.71	188.77	186.82	184.87	182.90	180.90	178.53
210.0	194.79	192.83	190.88	188.73	186.53	184.31	182.12	180.09	178.01
240.0	194.73	192.64	190.80	188.25	186.16	184.04	181.42	179.50	177.27
270.0	193.73	192.67	189.95	188.02	186.08	184.10	182.07	179.31	178.07
300.0	194.73	192.64	190.80	188.25	186.16	184.04	181.42	179.50	177.27
330.0	194.79	192.83	190.88	188.73	186.53	184.31	182.12	180.09	178.01
360.0	194.86	192.63	190.71	188.77	186.82	184.87	182.90	180.90	178.53

C/γ(°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	175.79	173.08	170.76	168.68	166.59	164.50	162.39	160.27	158.13
30.0	175.59	173.21	170.95	168.75	166.51	164.21	161.90	159.59	157.32
60.0	175.20	173.16	170.95	168.25	166.37	163.82	161.28	159.34	156.55
90.0	174.09	174.07	169.97	167.90	165.86	163.75	161.55	159.49	157.37
120.0	175.20	173.16	170.95	168.25	166.37	163.82	161.28	159.34	156.55
150.0	175.59	173.21	170.95	168.75	166.51	164.21	161.90	159.59	157.32
180.0	175.79	173.08	170.76	168.68	166.59	164.50	162.39	160.27	158.13
210.0	175.59	173.21	170.95	168.75	166.51	164.21	161.90	159.59	157.32
240.0	175.20	173.16	170.95	168.25	166.37	163.82	161.28	159.34	156.55
270.0	174.09	174.07	169.97	167.90	165.86	163.75	161.55	159.49	157.37
300.0	175.20	173.16	170.95	168.25	166.37	163.82	161.28	159.34	156.55
330.0	175.59	173.21	170.95	168.75	166.51	164.21	161.90	159.59	157.32
360.0	175.79	173.08	170.76	168.68	166.59	164.50	162.39	160.27	158.13

C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	155.72	152.82	149.88	147.30	145.09	142.87	140.65	138.69	136.53
30.0	154.95	152.41	149.81	147.54	145.30	142.84	140.33	137.99	135.64
60.0	154.23	152.11	150.18	147.74	145.32	142.34	139.94	137.53	134.56
90.0	153.04	153.03	149.97	148.65	144.29	142.11	139.84	137.59	135.27
120.0	154.23	152.11	150.18	147.74	145.32	142.34	139.94	137.53	134.56
150.0	154.95	152.41	149.81	147.54	145.30	142.84	140.33	137.99	135.64
180.0	155.72	152.82	149.88	147.30	145.09	142.87	140.65	138.69	136.53
210.0	154.95	152.41	149.81	147.54	145.30	142.84	140.33	137.99	135.64
240.0	154.23	152.11	150.18	147.74	145.32	142.34	139.94	137.53	134.56
270.0	153.04	153.03	149.97	148.65	144.29	142.11	139.84	137.59	135.27
300.0	154.23	152.11	150.18	147.74	145.32	142.34	139.94	137.53	134.56
330.0	154.95	152.41	149.81	147.54	145.30	142.84	140.33	137.99	135.64
360.0	155.72	152.82	149.88	147.30	145.09	142.87	140.65	138.69	136.53

C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	134.16	131.20	128.51	125.56	122.85	120.14	117.82	115.49	113.57
30.0	133.17	130.64	128.04	125.46	122.84	120.45	118.09	115.51	113.02
60.0	132.39	129.85	127.50	125.22	122.84	120.20	117.64	114.60	112.45
90.0	132.16	130.79	126.24	126.23	121.62	120.25	115.63	113.33	112.38
120.0	132.39	129.85	127.50	125.22	122.84	120.20	117.64	114.60	112.45
150.0	133.17	130.64	128.04	125.46	122.84	120.45	118.09	115.51	113.02
180.0	134.16	131.20	128.51	125.56	122.85	120.14	117.82	115.49	113.57
210.0	133.17	130.64	128.04	125.46	122.84	120.45	118.09	115.51	113.02
240.0	132.39	129.85	127.50	125.22	122.84	120.20	117.64	114.60	112.45
270.0	132.16	130.79	126.24	126.23	121.62	120.25	115.63	113.33	112.38
300.0	132.39	129.85	127.50	125.22	122.84	120.20	117.64	114.60	112.45
330.0	133.17	130.64	128.04	125.46	122.84	120.45	118.09	115.51	113.02
360.0	134.16	131.20	128.51	125.56	122.85	120.14	117.82	115.49	113.57

C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	111.37	108.88	106.13	103.10	99.83	96.79	94.46	92.12	89.78
30.0	110.50	107.80	105.29	102.70	99.77	97.20	94.83	92.36	89.84
60.0	110.10	107.28	104.77	102.09	99.69	97.38	94.99	92.32	89.84
90.0	110.05	109.07	104.41	103.01	98.35	98.34	93.72	92.32	89.08
120.0	110.10	107.28	104.77	102.09	99.69	97.38	94.99	92.32	89.84
150.0	110.50	107.80	105.29	102.70	99.77	97.20	94.83	92.36	89.84
180.0	111.37	108.88	106.13	103.10	99.83	96.79	94.46	92.12	89.78
210.0	110.50	107.80	105.29	102.70	99.77	97.20	94.83	92.36	89.84
240.0	110.10	107.28	104.77	102.09	99.69	97.38	94.99	92.32	89.84
270.0	110.05	109.07	104.41	103.01	98.35	98.34	93.72	92.32	89.08
300.0	110.10	107.28	104.77	102.09	99.69	97.38	94.99	92.32	89.84
330.0	110.50	107.80	105.29	102.70	99.77	97.20	94.83	92.36	89.84
360.0	111.37	108.88	106.13	103.10	99.83	96.79	94.46	92.12	89.78

Intensity data(cd)

Appendix Page: 23 Total:29

C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	87.44	85.13	82.84	80.56	78.29	75.38	72.27	69.42	67.25
30.0	87.30	84.76	82.29	79.89	77.60	75.13	72.35	69.92	67.72
60.0	86.97	84.20	82.11	79.15	76.73	74.51	72.30	70.11	67.79
90.0	86.75	84.50	82.19	79.89	75.39	75.38	70.93	70.92	66.64
120.0	86.97	84.20	82.11	79.15	76.73	74.51	72.30	70.11	67.79
150.0	87.30	84.76	82.29	79.89	77.60	75.13	72.35	69.92	67.72
180.0	87.44	85.13	82.84	80.56	78.29	75.38	72.27	69.42	67.25
210.0	87.30	84.76	82.29	79.89	77.60	75.13	72.35	69.92	67.72
240.0	86.97	84.20	82.11	79.15	76.73	74.51	72.30	70.11	67.79
270.0	86.75	84.50	82.19	79.89	75.39	75.38	70.93	70.92	66.64
300.0	86.97	84.20	82.11	79.15	76.73	74.51	72.30	70.11	67.79
330.0	87.30	84.76	82.29	79.89	77.60	75.13	72.35	69.92	67.72
360.0	87.44	85.13	82.84	80.56	78.29	75.38	72.27	69.42	67.25
C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	65.08	62.95	60.83	58.75	56.71	54.40	52.13	49.71	47.54
30.0	65.34	62.95	60.61	58.35	56.30	54.27	52.09	49.97	47.89
60.0	64.92	62.66	60.43	57.78	55.85	53.68	51.71	49.85	47.98
90.0	64.48	62.34	60.25	58.26	55.36	54.26	50.46	50.45	46.82
120.0	64.92	62.66	60.43	57.78	55.85	53.68	51.71	49.85	47.98
150.0	65.34	62.95	60.61	58.35	56.30	54.27	52.09	49.97	47.89
180.0	65.08	62.95	60.83	58.75	56.71	54.40	52.13	49.71	47.54
210.0	65.34	62.95	60.61	58.35	56.30	54.27	52.09	49.97	47.89
240.0	64.92	62.66	60.43	57.78	55.85	53.68	51.71	49.85	47.98
270.0	64.48	62.34	60.25	58.26	55.36	54.26	50.46	50.45	46.82
300.0	64.92	62.66	60.43	57.78	55.85	53.68	51.71	49.85	47.98
330.0	65.34	62.95	60.61	58.35	56.30	54.27	52.09	49.97	47.89
360.0	65.08	62.95	60.83	58.75	56.71	54.40	52.13	49.71	47.54
C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	45.43	43.70	42.03	40.42	38.85	37.31	35.82	33.97	32.06
30.0	46.06	44.29	42.40	40.54	38.80	37.13	35.63	34.07	32.35
60.0	45.99	44.35	42.11	40.31	38.69	36.69	35.26	33.75	32.51
90.0	45.69	43.34	41.61	40.05	38.47	36.94	34.79	34.05	32.00
120.0	45.99	44.35	42.11	40.31	38.69	36.69	35.26	33.75	32.51
150.0	46.06	44.29	42.40	40.54	38.80	37.13	35.63	34.07	32.35
180.0	45.43	43.70	42.03	40.42	38.85	37.31	35.82	33.97	32.06
210.0	46.06	44.29	42.40	40.54	38.80	37.13	35.63	34.07	32.35
240.0	45.99	44.35	42.11	40.31	38.69	36.69	35.26	33.75	32.51
270.0	45.69	43.34	41.61	40.05	38.47	36.94	34.79	34.05	32.00
300.0	45.99	44.35	42.11	40.31	38.69	36.69	35.26	33.75	32.51
330.0	46.06	44.29	42.40	40.54	38.80	37.13	35.63	34.07	32.35
360.0	45.43	43.70	42.03	40.42	38.85	37.31	35.82	33.97	32.06
C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	30.36	29.12	27.95	26.63	25.49	24.52	23.73	22.80	21.92
30.0	30.89	29.62	28.35	27.04	25.80	24.71	23.73	22.76	21.87
60.0	31.20	29.69	28.10	27.02	25.71	24.43	23.59	22.38	21.43
90.0	32.00	28.83	27.60	26.49	25.35	24.34	23.35	22.45	20.68
120.0	31.20	29.69	28.10	27.02	25.71	24.43	23.59	22.38	21.43
150.0	30.89	29.62	28.35	27.04	25.80	24.71	23.73	22.76	21.87
180.0	30.36	29.12	27.95	26.63	25.49	24.52	23.73	22.80	21.92
210.0	30.89	29.62	28.35	27.04	25.80	24.71	23.73	22.76	21.87
240.0	31.20	29.69	28.10	27.02	25.71	24.43	23.59	22.38	21.43
270.0	32.00	28.83	27.60	26.49	25.35	24.34	23.35	22.45	20.68
300.0	31.20	29.69	28.10	27.02	25.71	24.43	23.59	22.38	21.43
330.0	30.89	29.62	28.35	27.04	25.80	24.71	23.73	22.76	21.87
360.0	30.36	29.12	27.95	26.63	25.49	24.52	23.73	22.80	21.92

C/γ(°)	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0
0.0	20.86	19.79	18.87	18.23	17.62	17.05	16.52	16.11	15.70
30.0	20.96	19.99	19.19	18.51	17.82	17.16	16.56	16.03	15.59
60.0	20.61	19.86	19.13	18.37	17.53	16.90	16.31	15.64	15.19
90.0	20.68	19.18	19.18	17.73	17.08	16.54	15.97	15.51	14.79
120.0	20.61	19.86	19.13	18.37	17.53	16.90	16.31	15.64	15.19
150.0	20.96	19.99	19.19	18.51	17.82	17.16	16.56	16.03	15.59
180.0	20.86	19.79	18.87	18.23	17.62	17.05	16.52	16.11	15.70
210.0	20.96	19.99	19.19	18.51	17.82	17.16	16.56	16.03	15.59
240.0	20.61	19.86	19.13	18.37	17.53	16.90	16.31	15.64	15.19
270.0	20.68	19.18	19.18	17.73	17.08	16.54	15.97	15.51	14.79
300.0	20.61	19.86	19.13	18.37	17.53	16.90	16.31	15.64	15.19
330.0	20.96	19.99	19.19	18.51	17.82	17.16	16.56	16.03	15.59
360.0	20.86	19.79	18.87	18.23	17.62	17.05	16.52	16.11	15.70

C/γ(°)	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5
0.0	15.19	14.68	14.28	13.97	13.69	13.49	13.30	13.12	12.95
30.0	15.15	14.70	14.33	14.01	13.76	13.53	13.30	13.07	12.88
60.0	14.75	14.39	14.04	13.73	13.42	13.20	12.91	12.71	12.54
90.0	14.62	13.91	13.91	13.31	13.09	12.79	12.56	12.42	12.26
120.0	14.75	14.39	14.04	13.73	13.42	13.20	12.91	12.71	12.54
150.0	15.15	14.70	14.33	14.01	13.76	13.53	13.30	13.07	12.88
180.0	15.19	14.68	14.28	13.97	13.69	13.49	13.30	13.12	12.95
210.0	15.15	14.70	14.33	14.01	13.76	13.53	13.30	13.07	12.88
240.0	14.75	14.39	14.04	13.73	13.42	13.20	12.91	12.71	12.54
270.0	14.62	13.91	13.91	13.31	13.09	12.79	12.56	12.42	12.26
300.0	14.75	14.39	14.04	13.73	13.42	13.20	12.91	12.71	12.54
330.0	15.15	14.70	14.33	14.01	13.76	13.53	13.30	13.07	12.88
360.0	15.19	14.68	14.28	13.97	13.69	13.49	13.30	13.12	12.95

C/γ(°)	99.0	99.5	100.0	100.5	101.0	101.5	102.0	102.5	103.0
0.0	12.82	12.71	12.60	12.50	12.43	12.38	12.33	12.28	12.22
30.0	12.73	12.61	12.50	12.38	12.29	12.22	12.16	12.10	12.05
60.0	12.36	12.24	12.13	12.02	11.91	11.85	11.78	11.72	11.65
90.0	12.16	11.94	11.94	11.74	11.74	11.64	11.60	11.52	11.45
120.0	12.36	12.24	12.13	12.02	11.91	11.85	11.78	11.72	11.65
150.0	12.73	12.61	12.50	12.38	12.29	12.22	12.16	12.10	12.05
180.0	12.82	12.71	12.60	12.50	12.43	12.38	12.33	12.28	12.22
210.0	12.73	12.61	12.50	12.38	12.29	12.22	12.16	12.10	12.05
240.0	12.36	12.24	12.13	12.02	11.91	11.85	11.78	11.72	11.65
270.0	12.16	11.94	11.94	11.74	11.74	11.64	11.60	11.52	11.45
300.0	12.36	12.24	12.13	12.02	11.91	11.85	11.78	11.72	11.65
330.0	12.73	12.61	12.50	12.38	12.29	12.22	12.16	12.10	12.05
360.0	12.82	12.71	12.60	12.50	12.43	12.38	12.33	12.28	12.22

C/γ(°)	103.5	104.0	104.5	105.0	105.5	106.0	106.5	107.0	107.5
0.0	12.16	12.12	12.08	12.04	11.98	11.90	11.82	11.76	11.71
30.0	11.99	11.93	11.88	11.83	11.79	11.72	11.66	11.59	11.54
60.0	11.59	11.53	11.49	11.44	11.40	11.36	11.30	11.25	11.19
90.0	11.42	11.34	11.34	11.27	11.23	11.19	11.15	11.08	11.05
120.0	11.59	11.53	11.49	11.44	11.40	11.36	11.30	11.25	11.19
150.0	11.99	11.93	11.88	11.83	11.79	11.72	11.66	11.59	11.54
180.0	12.16	12.12	12.08	12.04	11.98	11.90	11.82	11.76	11.71
210.0	11.99	11.93	11.88	11.83	11.79	11.72	11.66	11.59	11.54
240.0	11.59	11.53	11.49	11.44	11.40	11.36	11.30	11.25	11.19
270.0	11.42	11.34	11.34	11.27	11.23	11.19	11.15	11.08	11.05
300.0	11.59	11.53	11.49	11.44	11.40	11.36	11.30	11.25	11.19
330.0	11.99	11.93	11.88	11.83	11.79	11.72	11.66	11.59	11.54
360.0	12.16	12.12	12.08	12.04	11.98	11.90	11.82	11.76	11.71

C/γ(°)	108.0	108.5	109.0	109.5	110.0	110.5	111.0	111.5	112.0
0.0	11.67	11.62	11.57	11.52	11.46	11.39	11.32	11.27	11.21
30.0	11.49	11.44	11.38	11.33	11.28	11.22	11.16	11.11	11.06
60.0	11.15	11.09	11.02	10.97	10.91	10.86	10.82	10.77	10.71
90.0	11.00	10.93	10.90	10.82	10.78	10.68	10.68	10.60	10.56
120.0	11.15	11.09	11.02	10.97	10.91	10.86	10.82	10.77	10.71
150.0	11.49	11.44	11.38	11.33	11.28	11.22	11.16	11.11	11.06
180.0	11.67	11.62	11.57	11.52	11.46	11.39	11.32	11.27	11.21
210.0	11.49	11.44	11.38	11.33	11.28	11.22	11.16	11.11	11.06
240.0	11.15	11.09	11.02	10.97	10.91	10.86	10.82	10.77	10.71
270.0	11.00	10.93	10.90	10.82	10.78	10.68	10.68	10.60	10.56
300.0	11.15	11.09	11.02	10.97	10.91	10.86	10.82	10.77	10.71
330.0	11.49	11.44	11.38	11.33	11.28	11.22	11.16	11.11	11.06
360.0	11.67	11.62	11.57	11.52	11.46	11.39	11.32	11.27	11.21
C/γ(°)	112.5	113.0	113.5	114.0	114.5	115.0	115.5	116.0	116.5
0.0	11.16	11.10	11.04	10.96	10.89	10.82	10.73	10.65	10.58
30.0	11.01	10.94	10.86	10.79	10.72	10.66	10.58	10.51	10.46
60.0	10.66	10.59	10.52	10.43	10.37	10.31	10.24	10.19	10.14
90.0	10.50	10.45	10.38	10.26	10.23	10.13	10.13	10.01	10.01
120.0	10.66	10.59	10.52	10.43	10.37	10.31	10.24	10.19	10.14
150.0	11.01	10.94	10.86	10.79	10.72	10.66	10.58	10.51	10.46
180.0	11.16	11.10	11.04	10.96	10.89	10.82	10.73	10.65	10.58
210.0	11.01	10.94	10.86	10.79	10.72	10.66	10.58	10.51	10.46
240.0	10.66	10.59	10.52	10.43	10.37	10.31	10.24	10.19	10.14
270.0	10.50	10.45	10.38	10.26	10.23	10.13	10.13	10.01	10.01
300.0	10.66	10.59	10.52	10.43	10.37	10.31	10.24	10.19	10.14
330.0	11.01	10.94	10.86	10.79	10.72	10.66	10.58	10.51	10.46
360.0	11.16	11.10	11.04	10.96	10.89	10.82	10.73	10.65	10.58
C/γ(°)	117.0	117.5	118.0	118.5	119.0	119.5	120.0	120.5	121.0
0.0	10.52	10.45	10.37	10.30	10.25	10.20	10.15	10.08	9.98
30.0	10.39	10.32	10.24	10.17	10.10	10.04	9.99	9.92	9.83
60.0	10.04	9.97	9.92	9.87	9.78	9.72	9.63	9.56	9.49
90.0	9.83	9.79	9.76	9.71	9.64	9.57	9.49	9.34	9.34
120.0	10.04	9.97	9.92	9.87	9.78	9.72	9.63	9.56	9.49
150.0	10.39	10.32	10.24	10.17	10.10	10.04	9.99	9.92	9.83
180.0	10.52	10.45	10.37	10.30	10.25	10.20	10.15	10.08	9.98
210.0	10.39	10.32	10.24	10.17	10.10	10.04	9.99	9.92	9.83
240.0	10.04	9.97	9.92	9.87	9.78	9.72	9.63	9.56	9.49
270.0	9.83	9.79	9.76	9.71	9.64	9.57	9.49	9.34	9.34
300.0	10.04	9.97	9.92	9.87	9.78	9.72	9.63	9.56	9.49
330.0	10.39	10.32	10.24	10.17	10.10	10.04	9.99	9.92	9.83
360.0	10.52	10.45	10.37	10.30	10.25	10.20	10.15	10.08	9.98
C/γ(°)	121.5	122.0	122.5	123.0	123.5	124.0	124.5	125.0	125.5
0.0	9.88	9.79	9.71	9.64	9.57	9.51	9.44	9.36	9.28
30.0	9.74	9.67	9.61	9.53	9.45	9.37	9.29	9.21	9.14
60.0	9.44	9.38	9.30	9.21	9.13	9.05	8.96	8.89	8.82
90.0	9.27	9.22	9.09	9.05	8.97	8.90	8.82	8.72	8.72
120.0	9.44	9.38	9.30	9.21	9.13	9.05	8.96	8.89	8.82
150.0	9.74	9.67	9.61	9.53	9.45	9.37	9.29	9.21	9.14
180.0	9.88	9.79	9.71	9.64	9.57	9.51	9.44	9.36	9.28
210.0	9.74	9.67	9.61	9.53	9.45	9.37	9.29	9.21	9.14
240.0	9.44	9.38	9.30	9.21	9.13	9.05	8.96	8.89	8.82
270.0	9.27	9.22	9.09	9.05	8.97	8.90	8.82	8.72	8.72
300.0	9.44	9.38	9.30	9.21	9.13	9.05	8.96	8.89	8.82
330.0	9.74	9.67	9.61	9.53	9.45	9.37	9.29	9.21	9.14
360.0	9.88	9.79	9.71	9.64	9.57	9.51	9.44	9.36	9.28

C/ γ (°)	126.0	126.5	127.0	127.5	128.0	128.5	129.0	129.5	130.0
0.0	9.19	9.09	9.01	8.92	8.85	8.77	8.70	8.61	8.52
30.0	9.05	8.98	8.89	8.81	8.73	8.65	8.57	8.49	8.40
60.0	8.74	8.69	8.61	8.51	8.42	8.32	8.26	8.20	8.10
90.0	8.57	8.57	8.42	8.38	8.25	8.17	8.13	8.05	7.98
120.0	8.74	8.69	8.61	8.51	8.42	8.32	8.26	8.20	8.10
150.0	9.05	8.98	8.89	8.81	8.73	8.65	8.57	8.49	8.40
180.0	9.19	9.09	9.01	8.92	8.85	8.77	8.70	8.61	8.52
210.0	9.05	8.98	8.89	8.81	8.73	8.65	8.57	8.49	8.40
240.0	8.74	8.69	8.61	8.51	8.42	8.32	8.26	8.20	8.10
270.0	8.57	8.57	8.42	8.38	8.25	8.17	8.13	8.05	7.98
300.0	8.74	8.69	8.61	8.51	8.42	8.32	8.26	8.20	8.10
330.0	9.05	8.98	8.89	8.81	8.73	8.65	8.57	8.49	8.40
360.0	9.19	9.09	9.01	8.92	8.85	8.77	8.70	8.61	8.52
C/ γ (°)	130.5	131.0	131.5	132.0	132.5	133.0	133.5	134.0	134.5
0.0	8.44	8.34	8.24	8.14	8.06	7.96	7.88	7.79	7.72
30.0	8.32	8.22	8.13	8.05	7.96	7.87	7.78	7.68	7.59
60.0	8.02	7.93	7.86	7.78	7.68	7.58	7.52	7.42	7.31
90.0	7.83	7.83	7.68	7.68	7.50	7.39	7.36	7.28	7.21
120.0	8.02	7.93	7.86	7.78	7.68	7.58	7.52	7.42	7.31
150.0	8.32	8.22	8.13	8.05	7.96	7.87	7.78	7.68	7.59
180.0	8.44	8.34	8.24	8.14	8.06	7.96	7.88	7.79	7.72
210.0	8.32	8.22	8.13	8.05	7.96	7.87	7.78	7.68	7.59
240.0	8.02	7.93	7.86	7.78	7.68	7.58	7.52	7.42	7.31
270.0	7.83	7.83	7.68	7.68	7.50	7.39	7.36	7.28	7.21
300.0	8.02	7.93	7.86	7.78	7.68	7.58	7.52	7.42	7.31
330.0	8.32	8.22	8.13	8.05	7.96	7.87	7.78	7.68	7.59
360.0	8.44	8.34	8.24	8.14	8.06	7.96	7.88	7.79	7.72
C/ γ (°)	135.0	135.5	136.0	136.5	137.0	137.5	138.0	138.5	139.0
0.0	7.63	7.54	7.45	7.33	7.21	7.10	7.02	6.93	6.85
30.0	7.50	7.41	7.32	7.21	7.11	7.03	6.95	6.85	6.74
60.0	7.23	7.14	7.06	6.97	6.89	6.81	6.71	6.59	6.50
90.0	7.10	7.06	6.91	6.91	6.76	6.68	6.54	6.47	6.39
120.0	7.23	7.14	7.06	6.97	6.89	6.81	6.71	6.59	6.50
150.0	7.50	7.41	7.32	7.21	7.11	7.03	6.95	6.85	6.74
180.0	7.63	7.54	7.45	7.33	7.21	7.10	7.02	6.93	6.85
210.0	7.50	7.41	7.32	7.21	7.11	7.03	6.95	6.85	6.74
240.0	7.23	7.14	7.06	6.97	6.89	6.81	6.71	6.59	6.50
270.0	7.10	7.06	6.91	6.91	6.76	6.68	6.54	6.47	6.39
300.0	7.23	7.14	7.06	6.97	6.89	6.81	6.71	6.59	6.50
330.0	7.50	7.41	7.32	7.21	7.11	7.03	6.95	6.85	6.74
360.0	7.63	7.54	7.45	7.33	7.21	7.10	7.02	6.93	6.85
C/ γ (°)	139.5	140.0	140.5	141.0	141.5	142.0	142.5	143.0	143.5
0.0	6.75	6.66	6.56	6.45	6.34	6.21	6.10	6.00	5.93
30.0	6.64	6.55	6.46	6.37	6.27	6.16	6.05	5.94	5.85
60.0	6.41	6.31	6.22	6.13	6.06	5.97	5.88	5.73	5.65
90.0	6.32	6.24	6.11	6.06	5.92	5.92	5.77	5.62	5.55
120.0	6.41	6.31	6.22	6.13	6.06	5.97	5.88	5.73	5.65
150.0	6.64	6.55	6.46	6.37	6.27	6.16	6.05	5.94	5.85
180.0	6.75	6.66	6.56	6.45	6.34	6.21	6.10	6.00	5.93
210.0	6.64	6.55	6.46	6.37	6.27	6.16	6.05	5.94	5.85
240.0	6.41	6.31	6.22	6.13	6.06	5.97	5.88	5.73	5.65
270.0	6.32	6.24	6.11	6.06	5.92	5.92	5.77	5.62	5.55
300.0	6.41	6.31	6.22	6.13	6.06	5.97	5.88	5.73	5.65
330.0	6.64	6.55	6.46	6.37	6.27	6.16	6.05	5.94	5.85
360.0	6.75	6.66	6.56	6.45	6.34	6.21	6.10	6.00	5.93

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	5.85	5.77	5.66	5.57	5.48	5.38	5.28	5.16	5.05
30.0	5.76	5.67	5.58	5.50	5.41	5.30	5.19	5.09	4.99
60.0	5.56	5.46	5.39	5.27	5.19	5.09	4.99	4.92	4.83
90.0	5.47	5.40	5.28	5.18	5.03	5.03	4.88	4.88	4.73
120.0	5.56	5.46	5.39	5.27	5.19	5.09	4.99	4.92	4.83
150.0	5.76	5.67	5.58	5.50	5.41	5.30	5.19	5.09	4.99
180.0	5.85	5.77	5.66	5.57	5.48	5.38	5.28	5.16	5.05
210.0	5.76	5.67	5.58	5.50	5.41	5.30	5.19	5.09	4.99
240.0	5.56	5.46	5.39	5.27	5.19	5.09	4.99	4.92	4.83
270.0	5.47	5.40	5.28	5.18	5.03	5.03	4.88	4.88	4.73
300.0	5.56	5.46	5.39	5.27	5.19	5.09	4.99	4.92	4.83
330.0	5.76	5.67	5.58	5.50	5.41	5.30	5.19	5.09	4.99
360.0	5.85	5.77	5.66	5.57	5.48	5.38	5.28	5.16	5.05
C/ γ (°)	148.5	149.0	149.5	150.0	150.5	151.0	151.5	152.0	152.5
0.0	4.94	4.88	4.79	4.68	4.57	4.48	4.38	4.26	4.15
30.0	4.90	4.82	4.70	4.57	4.47	4.39	4.29	4.19	4.09
60.0	4.72	4.65	4.52	4.38	4.29	4.19	4.10	4.03	3.93
90.0	4.63	4.55	4.44	4.33	4.23	4.18	3.99	3.99	3.81
120.0	4.72	4.65	4.52	4.38	4.29	4.19	4.10	4.03	3.93
150.0	4.90	4.82	4.70	4.57	4.47	4.39	4.29	4.19	4.09
180.0	4.94	4.88	4.79	4.68	4.57	4.48	4.38	4.26	4.15
210.0	4.90	4.82	4.70	4.57	4.47	4.39	4.29	4.19	4.09
240.0	4.72	4.65	4.52	4.38	4.29	4.19	4.10	4.03	3.93
270.0	4.63	4.55	4.44	4.33	4.23	4.18	3.99	3.99	3.81
300.0	4.72	4.65	4.52	4.38	4.29	4.19	4.10	4.03	3.93
330.0	4.90	4.82	4.70	4.57	4.47	4.39	4.29	4.19	4.09
360.0	4.94	4.88	4.79	4.68	4.57	4.48	4.38	4.26	4.15
C/ γ (°)	153.0	153.5	154.0	154.5	155.0	155.5	156.0	156.5	157.0
0.0	4.04	3.96	3.88	3.80	3.69	3.59	3.48	3.37	3.24
30.0	3.99	3.91	3.81	3.70	3.58	3.47	3.37	3.27	3.17
60.0	3.83	3.76	3.64	3.53	3.42	3.29	3.21	3.11	3.01
90.0	3.77	3.66	3.59	3.47	3.35	3.25	3.15	3.10	2.92
120.0	3.83	3.76	3.64	3.53	3.42	3.29	3.21	3.11	3.01
150.0	3.99	3.91	3.81	3.70	3.58	3.47	3.37	3.27	3.17
180.0	4.04	3.96	3.88	3.80	3.69	3.59	3.48	3.37	3.24
210.0	3.99	3.91	3.81	3.70	3.58	3.47	3.37	3.27	3.17
240.0	3.83	3.76	3.64	3.53	3.42	3.29	3.21	3.11	3.01
270.0	3.77	3.66	3.59	3.47	3.35	3.25	3.15	3.10	2.92
300.0	3.83	3.76	3.64	3.53	3.42	3.29	3.21	3.11	3.01
330.0	3.99	3.91	3.81	3.70	3.58	3.47	3.37	3.27	3.17
360.0	4.04	3.96	3.88	3.80	3.69	3.59	3.48	3.37	3.24
C/ γ (°)	157.5	158.0	158.5	159.0	159.5	160.0	160.5	161.0	161.5
0.0	3.13	3.02	2.89	2.77	2.66	2.58	2.48	2.37	2.28
30.0	3.08	2.99	2.88	2.77	2.66	2.57	2.48	2.38	2.28
60.0	2.93	2.85	2.76	2.68	2.58	2.46	2.39	2.29	2.21
90.0	2.88	2.79	2.67	2.60	2.52	2.42	2.34	2.27	2.12
120.0	2.93	2.85	2.76	2.68	2.58	2.46	2.39	2.29	2.21
150.0	3.08	2.99	2.88	2.77	2.66	2.57	2.48	2.38	2.28
180.0	3.13	3.02	2.89	2.77	2.66	2.58	2.48	2.37	2.28
210.0	3.08	2.99	2.88	2.77	2.66	2.57	2.48	2.38	2.28
240.0	2.93	2.85	2.76	2.68	2.58	2.46	2.39	2.29	2.21
270.0	2.88	2.79	2.67	2.60	2.52	2.42	2.34	2.27	2.12
300.0	2.93	2.85	2.76	2.68	2.58	2.46	2.39	2.29	2.21
330.0	3.08	2.99	2.88	2.77	2.66	2.57	2.48	2.38	2.28
360.0	3.13	3.02	2.89	2.77	2.66	2.58	2.48	2.37	2.28

C/ γ (°)	162.0	162.5	163.0	163.5	164.0	164.5	165.0	165.5	166.0
0.0	2.21	2.14	2.06	1.99	1.91	1.84	1.76	1.69	1.61
30.0	2.20	2.11	2.02	1.95	1.87	1.79	1.71	1.64	1.57
60.0	2.11	2.03	1.95	1.87	1.78	1.72	1.65	1.56	1.50
90.0	2.12	1.96	1.96	1.81	1.74	1.71	1.63	1.56	1.46
120.0	2.11	2.03	1.95	1.87	1.78	1.72	1.65	1.56	1.50
150.0	2.20	2.11	2.02	1.95	1.87	1.79	1.71	1.64	1.57
180.0	2.21	2.14	2.06	1.99	1.91	1.84	1.76	1.69	1.61
210.0	2.20	2.11	2.02	1.95	1.87	1.79	1.71	1.64	1.57
240.0	2.11	2.03	1.95	1.87	1.78	1.72	1.65	1.56	1.50
270.0	2.12	1.96	1.96	1.81	1.74	1.71	1.63	1.56	1.46
300.0	2.11	2.03	1.95	1.87	1.78	1.72	1.65	1.56	1.50
330.0	2.20	2.11	2.02	1.95	1.87	1.79	1.71	1.64	1.57
360.0	2.21	2.14	2.06	1.99	1.91	1.84	1.76	1.69	1.61
C/ γ (°)	166.5	167.0	167.5	168.0	168.5	169.0	169.5	170.0	170.5
0.0	1.52	1.42	1.33	1.27	1.20	1.13	1.07	1.03	0.99
30.0	1.50	1.42	1.34	1.28	1.22	1.16	1.09	1.04	0.99
60.0	1.44	1.37	1.30	1.25	1.20	1.12	1.06	1.00	0.95
90.0	1.45	1.31	1.30	1.23	1.19	1.08	1.04	0.97	0.94
120.0	1.44	1.37	1.30	1.25	1.20	1.12	1.06	1.00	0.95
150.0	1.50	1.42	1.34	1.28	1.22	1.16	1.09	1.04	0.99
180.0	1.52	1.42	1.33	1.27	1.20	1.13	1.07	1.03	0.99
210.0	1.50	1.42	1.34	1.28	1.22	1.16	1.09	1.04	0.99
240.0	1.44	1.37	1.30	1.25	1.20	1.12	1.06	1.00	0.95
270.0	1.45	1.31	1.30	1.23	1.19	1.08	1.04	0.97	0.94
300.0	1.44	1.37	1.30	1.25	1.20	1.12	1.06	1.00	0.95
330.0	1.50	1.42	1.34	1.28	1.22	1.16	1.09	1.04	0.99
360.0	1.52	1.42	1.33	1.27	1.20	1.13	1.07	1.03	0.99
C/ γ (°)	171.0	171.5	172.0	172.5	173.0	173.5	174.0	174.5	175.0
0.0	0.93	0.88	0.82	0.76	0.72	0.69	0.66	0.63	0.62
30.0	0.93	0.88	0.84	0.79	0.75	0.72	0.68	0.66	0.65
60.0	0.88	0.85	0.82	0.78	0.74	0.72	0.67	0.65	0.63
90.0	0.86	0.82	0.82	0.75	0.74	0.71	0.67	0.64	0.60
120.0	0.88	0.85	0.82	0.78	0.74	0.72	0.67	0.65	0.63
150.0	0.93	0.88	0.84	0.79	0.75	0.72	0.68	0.66	0.65
180.0	0.93	0.88	0.82	0.76	0.72	0.69	0.66	0.63	0.62
210.0	0.93	0.88	0.84	0.79	0.75	0.72	0.68	0.66	0.65
240.0	0.88	0.85	0.82	0.78	0.74	0.72	0.67	0.65	0.63
270.0	0.86	0.82	0.82	0.75	0.74	0.71	0.67	0.64	0.60
300.0	0.88	0.85	0.82	0.78	0.74	0.72	0.67	0.65	0.63
330.0	0.93	0.88	0.84	0.79	0.75	0.72	0.68	0.66	0.65
360.0	0.93	0.88	0.82	0.76	0.72	0.69	0.66	0.63	0.62
C/ γ (°)	175.5	176.0	176.5	177.0	177.5	178.0	178.5	179.0	179.5
0.0	0.62	0.61	0.59	0.58	0.58	0.58	0.58	0.58	0.58
30.0	0.64	0.62	0.61	0.60	0.60	0.60	0.61	0.60	0.58
60.0	0.63	0.63	0.60	0.59	0.59	0.59	0.59	0.59	0.57
90.0	0.64	0.64	0.59	0.59	0.59	0.59	0.57	0.58	0.57
120.0	0.63	0.63	0.60	0.59	0.59	0.59	0.59	0.59	0.57
150.0	0.64	0.62	0.61	0.60	0.60	0.60	0.61	0.60	0.58
180.0	0.62	0.61	0.59	0.58	0.58	0.58	0.58	0.58	0.58
210.0	0.64	0.62	0.61	0.60	0.60	0.60	0.61	0.60	0.58
240.0	0.63	0.63	0.60	0.59	0.59	0.59	0.59	0.59	0.57
270.0	0.64	0.64	0.59	0.59	0.59	0.59	0.57	0.58	0.57
300.0	0.63	0.63	0.60	0.59	0.59	0.59	0.59	0.59	0.57
330.0	0.64	0.62	0.61	0.60	0.60	0.60	0.61	0.60	0.58
360.0	0.62	0.61	0.59	0.58	0.58	0.58	0.58	0.58	0.58

Intensity data(cd)

Appendix Page: 29 Total:29

C/γ(°)	180.0
0.0	0.58
30.0	0.58
60.0	0.58
90.0	0.58
120.0	0.58
150.0	0.58
180.0	0.58
210.0	0.58
240.0	0.58
270.0	0.58
300.0	0.58
330.0	0.58
360.0	0.58