

Report No	:	Voltage	:	V
Test No	:	Current	:	A
LumCAT	:	Power	:	13.500 W
Luminaire	:	0019590002 LASTD06 13.5W 2700K 1521lm	:	
LampCAT	:	Ballast type	:	
Lamp flux	:	lm	:	Width : -60 mm
Number of Lamps	:	1	:	Length : -60 mm
Phm Type	:	C	:	Height : 42 mm

Photometric Results

Lumens(lm)	:	1521.00	Central intensity(cd)	:	226.738
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	226.738
Luminous Efficacy(lm/W)	:	112.67	Angle of maximum intensity	:	C=0.0 γ =0.0
Beam Angle(50%Imax)	:	[C0/180]Total=183.6 [C90/270]Total=183.6			
Field angle(10%Imax)	:	[C0/180]Total=299.8 [C90/270]Total=299.8			
Maximum s/h(1/2)	:	C0_180=1.48 C90_270=1.48			
Maximum s/h(1/4)	:	C0_180=1.65 C90_270=1.65			
CIE Type	:	Semidirect lighting			
Output flux ratio in π solid angle	:	43.784%			

Zonal flux distribution table

Appendix Page: 2 Total:37

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	226.738	0.000	0	0.00%	0.00%
0.5	226.735	0.054	0.054	0.00%	0.00%
1.0	226.733	0.163	0.217	0.01%	0.01%
1.5	226.730	0.271	0.488	0.02%	0.03%
2.0	226.722	0.380	0.868	0.02%	0.06%
2.5	226.714	0.488	1.356	0.03%	0.09%
3.0	226.709	0.596	1.952	0.04%	0.13%
3.5	226.704	0.705	2.657	0.05%	0.17%
4.0	226.699	0.813	3.47	0.05%	0.23%
4.5	226.689	0.921	4.391	0.06%	0.29%
5.0	226.678	1.029	5.42	0.07%	0.36%
5.5	226.666	1.137	6.558	0.07%	0.43%
6.0	226.656	1.245	7.803	0.08%	0.51%
6.5	226.646	1.353	9.156	0.09%	0.60%
7.0	226.629	1.461	10.616	0.10%	0.70%
7.5	226.614	1.568	12.184	0.10%	0.80%
8.0	226.601	1.676	13.86	0.11%	0.91%
8.5	226.586	1.783	15.643	0.12%	1.03%
9.0	226.571	1.890	17.533	0.12%	1.15%
9.5	226.557	1.997	19.53	0.13%	1.28%
10.0	226.542	2.104	21.633	0.14%	1.42%
10.5	226.525	2.210	23.843	0.15%	1.57%
11.0	226.502	2.317	26.16	0.15%	1.72%
11.5	226.483	2.423	28.583	0.16%	1.88%
12.0	226.458	2.529	31.112	0.17%	2.05%
12.5	226.433	2.634	33.746	0.17%	2.22%
13.0	226.406	2.740	36.486	0.18%	2.40%
13.5	226.381	2.845	39.331	0.19%	2.59%
14.0	226.354	2.950	42.281	0.19%	2.78%
14.5	226.324	3.055	45.336	0.20%	2.98%
15.0	226.291	3.159	48.495	0.21%	3.19%
15.5	226.255	3.263	51.759	0.21%	3.40%
16.0	226.218	3.367	55.126	0.22%	3.62%
16.5	226.181	3.471	58.597	0.23%	3.85%
17.0	226.136	3.574	62.17	0.23%	4.09%
17.5	226.083	3.676	65.847	0.24%	4.33%
18.0	226.033	3.779	69.626	0.25%	4.58%
18.5	225.978	3.881	73.506	0.26%	4.83%

Equipment: ZT-40
Temperature($^{\circ}\text{C}$): 24.9

Date:
Humidity(%): 55.6%

Operator: LSC

Zonal flux distribution table

Appendix Page: 3 Total:37

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
19.0	225.918	3.982	77.489	0.26%	5.09%
19.5	225.857	4.083	81.572	0.27%	5.36%
20.0	225.789	4.184	85.756	0.28%	5.64%
20.5	225.714	4.284	90.04	0.28%	5.92%
21.0	225.639	4.384	94.424	0.29%	6.21%
21.5	225.549	4.483	98.908	0.29%	6.50%
22.0	225.463	4.582	103.489	0.30%	6.80%
22.5	225.365	4.680	108.169	0.31%	7.11%
23.0	225.258	4.777	112.947	0.31%	7.43%
23.5	225.145	4.874	117.821	0.32%	7.75%
24.0	225.024	4.971	122.792	0.33%	8.07%
24.5	224.897	5.066	127.858	0.33%	8.41%
25.0	224.763	5.161	133.019	0.34%	8.75%
25.5	224.620	5.255	138.274	0.35%	9.09%
26.0	224.466	5.349	143.623	0.35%	9.44%
26.5	224.307	5.442	149.065	0.36%	9.80%
27.0	224.133	5.534	154.598	0.36%	10.16%
27.5	223.952	5.625	160.223	0.37%	10.53%
28.0	223.757	5.715	165.938	0.38%	10.91%
28.5	223.561	5.805	171.743	0.38%	11.29%
29.0	223.351	5.893	177.636	0.39%	11.68%
29.5	223.136	5.981	183.617	0.39%	12.07%
30.0	222.903	6.068	189.685	0.40%	12.47%
30.5	222.659	6.154	195.839	0.40%	12.88%
31.0	222.407	6.239	202.077	0.41%	13.29%
31.5	222.144	6.323	208.4	0.42%	13.70%
32.0	221.867	6.405	214.805	0.42%	14.12%
32.5	221.583	6.487	221.293	0.43%	14.55%
33.0	221.287	6.568	227.861	0.43%	14.98%
33.5	220.983	6.648	234.509	0.44%	15.42%
34.0	220.664	6.727	241.236	0.44%	15.86%
34.5	220.330	6.804	248.04	0.45%	16.31%
35.0	219.985	6.881	254.921	0.45%	16.76%
35.5	219.632	6.956	261.877	0.46%	17.22%
36.0	219.264	7.030	268.907	0.46%	17.68%
36.5	218.884	7.103	276.01	0.47%	18.15%
37.0	218.496	7.174	283.184	0.47%	18.62%
37.5	218.095	7.245	290.429	0.48%	19.09%

Equipment: ZT-40
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Humidity(%): 55.6%

Operator: LSC

Zonal flux distribution table

Appendix Page: 4 Total:37

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	217.680	7.314	297.743	0.48%	19.58%
38.5	217.251	7.382	305.125	0.49%	20.06%
39.0	216.811	7.449	312.574	0.49%	20.55%
39.5	216.366	7.514	320.088	0.49%	21.04%
40.0	215.896	7.578	327.665	0.50%	21.54%
40.5	215.417	7.640	335.306	0.50%	22.05%
41.0	214.930	7.701	343.007	0.51%	22.55%
41.5	214.425	7.761	350.768	0.51%	23.06%
42.0	213.907	7.819	358.587	0.51%	23.58%
42.5	213.377	7.876	366.464	0.52%	24.09%
43.0	212.837	7.932	374.395	0.52%	24.62%
43.5	212.281	7.986	382.381	0.53%	25.14%
44.0	211.717	8.038	390.419	0.53%	25.67%
44.5	211.140	8.089	398.509	0.53%	26.20%
45.0	210.548	8.139	406.648	0.54%	26.74%
45.5	209.944	8.187	414.835	0.54%	27.27%
46.0	209.327	8.234	423.068	0.54%	27.82%
46.5	208.689	8.278	431.347	0.54%	28.36%
47.0	208.044	8.322	439.668	0.55%	28.91%
47.5	207.388	8.363	448.032	0.55%	29.46%
48.0	206.725	8.404	456.435	0.55%	30.01%
48.5	206.042	8.443	464.878	0.56%	30.56%
49.0	205.347	8.480	473.357	0.56%	31.12%
49.5	204.640	8.515	481.872	0.56%	31.68%
50.0	203.918	8.549	490.421	0.56%	32.24%
50.5	203.186	8.581	499.002	0.56%	32.81%
51.0	202.439	8.612	507.614	0.57%	33.37%
51.5	201.684	8.641	516.254	0.57%	33.94%
52.0	200.923	8.668	524.922	0.57%	34.51%
52.5	200.140	8.694	533.616	0.57%	35.08%
53.0	199.338	8.718	542.334	0.57%	35.66%
53.5	198.525	8.740	551.074	0.57%	36.23%
54.0	197.706	8.760	559.834	0.58%	36.81%
54.5	196.873	8.779	568.613	0.58%	37.38%
55.0	196.035	8.797	577.41	0.58%	37.96%
55.5	195.182	8.812	586.223	0.58%	38.54%
56.0	194.310	8.826	595.049	0.58%	39.12%
56.5	193.426	8.838	603.887	0.58%	39.70%

Equipment: ZT-40
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Zonal flux distribution table

Appendix Page: 5 Total:37

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
57.0	192.537	8.849	612.736	0.58%	40.29%
57.5	191.634	8.858	621.595	0.58%	40.87%
58.0	190.726	8.865	630.46	0.58%	41.45%
58.5	189.799	8.871	639.331	0.58%	42.03%
59.0	188.867	8.875	648.206	0.58%	42.62%
59.5	187.913	8.877	657.083	0.58%	43.20%
60.0	186.960	8.878	665.961	0.58%	43.78%
60.5	185.984	8.877	674.838	0.58%	44.37%
61.0	185.007	8.874	683.712	0.58%	44.95%
61.5	184.012	8.870	692.582	0.58%	45.53%
62.0	183.013	8.864	701.446	0.58%	46.12%
62.5	181.998	8.856	710.302	0.58%	46.70%
63.0	180.977	8.847	719.148	0.58%	47.28%
63.5	179.940	8.836	727.984	0.58%	47.86%
64.0	178.900	8.823	736.807	0.58%	48.44%
64.5	177.849	8.809	745.617	0.58%	49.02%
65.0	176.793	8.794	754.41	0.58%	49.60%
65.5	175.720	8.777	763.187	0.58%	50.18%
66.0	174.639	8.758	771.945	0.58%	50.75%
66.5	173.548	8.737	780.682	0.57%	51.33%
67.0	172.454	8.715	789.397	0.57%	51.90%
67.5	171.354	8.692	798.09	0.57%	52.47%
68.0	170.242	8.668	806.757	0.57%	53.04%
68.5	169.121	8.641	815.399	0.57%	53.61%
69.0	167.990	8.614	824.013	0.57%	54.18%
69.5	166.859	8.585	832.597	0.56%	54.74%
70.0	165.716	8.554	841.151	0.56%	55.30%
70.5	164.568	8.522	849.674	0.56%	55.86%
71.0	163.415	8.489	858.163	0.56%	56.42%
71.5	162.251	8.454	866.617	0.56%	56.98%
72.0	161.080	8.418	875.036	0.55%	57.53%
72.5	159.910	8.381	883.417	0.55%	58.08%
73.0	158.731	8.343	891.759	0.55%	58.63%
73.5	157.546	8.303	900.062	0.55%	59.18%
74.0	156.356	8.262	908.324	0.54%	59.72%
74.5	155.167	8.220	916.544	0.54%	60.26%
75.0	153.968	8.177	924.721	0.54%	60.80%
75.5	152.770	8.132	932.853	0.53%	61.33%

Equipment: ZT-40
Temperature($^{\circ}\text{C}$): 24.9

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Zonal flux distribution table

Appendix Page: 6 Total:37

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	151.558	8.087	940.94	0.53%	61.86%
76.5	150.346	8.040	948.979	0.53%	62.39%
77.0	149.135	7.992	956.971	0.53%	62.92%
77.5	147.931	7.943	964.915	0.52%	63.44%
78.0	146.714	7.894	972.809	0.52%	63.96%
78.5	145.496	7.843	980.652	0.52%	64.47%
79.0	144.270	7.791	988.443	0.51%	64.99%
79.5	143.045	7.739	996.182	0.51%	65.50%
80.0	141.822	7.685	1003.867	0.51%	66.00%
80.5	140.603	7.631	1011.498	0.50%	66.50%
81.0	139.375	7.576	1019.074	0.50%	67.00%
81.5	138.155	7.520	1026.594	0.49%	67.49%
82.0	136.926	7.463	1034.057	0.49%	67.99%
82.5	135.704	7.406	1041.463	0.49%	68.47%
83.0	134.476	7.348	1048.811	0.48%	68.96%
83.5	133.249	7.289	1056.1	0.48%	69.43%
84.0	132.028	7.229	1063.33	0.48%	69.91%
84.5	130.812	7.170	1070.499	0.47%	70.38%
85.0	129.587	7.109	1077.608	0.47%	70.85%
85.5	128.370	7.048	1084.656	0.46%	71.31%
86.0	127.153	6.986	1091.642	0.46%	71.77%
86.5	125.940	6.924	1098.566	0.46%	72.23%
87.0	124.728	6.861	1105.427	0.45%	72.68%
87.5	123.523	6.798	1112.225	0.45%	73.12%
88.0	122.320	6.735	1118.96	0.44%	73.57%
88.5	121.119	6.671	1125.631	0.44%	74.01%
89.0	119.916	6.607	1132.237	0.43%	74.44%
89.5	118.723	6.542	1138.779	0.43%	74.87%
90.0	117.538	6.477	1145.256	0.43%	75.30%
90.5	116.355	6.412	1151.668	0.42%	75.72%
91.0	115.177	6.347	1158.015	0.42%	76.14%
91.5	113.999	6.281	1164.297	0.41%	76.55%
92.0	112.827	6.216	1170.513	0.41%	76.96%
92.5	111.661	6.150	1176.662	0.40%	77.36%
93.0	110.503	6.084	1182.746	0.40%	77.76%
93.5	109.349	6.018	1188.764	0.40%	78.16%
94.0	108.199	5.951	1194.715	0.39%	78.55%
94.5	107.057	5.885	1200.6	0.39%	78.93%

Equipment: ZT-40
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Zonal flux distribution table

Appendix Page: 7 Total:37

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
95.0	105.919	5.819	1206.419	0.38%	79.32%
95.5	104.783	5.752	1212.171	0.38%	79.70%
96.0	103.660	5.686	1217.857	0.37%	80.07%
96.5	102.541	5.619	1223.477	0.37%	80.44%
97.0	101.432	5.553	1229.03	0.37%	80.80%
97.5	100.321	5.487	1234.517	0.36%	81.16%
98.0	99.225	5.421	1239.937	0.36%	81.52%
98.5	98.129	5.355	1245.292	0.35%	81.87%
99.0	97.048	5.289	1250.581	0.35%	82.22%
99.5	95.970	5.223	1255.803	0.34%	82.56%
100.0	94.902	5.157	1260.961	0.34%	82.90%
100.5	93.838	5.092	1266.053	0.33%	83.24%
101.0	92.782	5.026	1271.079	0.33%	83.57%
101.5	91.727	4.961	1276.04	0.33%	83.89%
102.0	90.683	4.896	1280.936	0.32%	84.22%
102.5	89.643	4.831	1285.767	0.32%	84.53%
103.0	88.623	4.767	1290.534	0.31%	84.85%
103.5	87.599	4.703	1295.237	0.31%	85.16%
104.0	86.590	4.639	1299.875	0.30%	85.46%
104.5	85.586	4.575	1304.45	0.30%	85.76%
105.0	84.594	4.512	1308.962	0.30%	86.06%
105.5	83.604	4.449	1313.411	0.29%	86.35%
106.0	82.622	4.386	1317.797	0.29%	86.64%
106.5	81.640	4.323	1322.121	0.28%	86.92%
107.0	80.664	4.261	1326.381	0.28%	87.20%
107.5	79.699	4.199	1330.58	0.28%	87.48%
108.0	78.743	4.137	1334.717	0.27%	87.75%
108.5	77.797	4.076	1338.793	0.27%	88.02%
109.0	76.863	4.015	1342.808	0.26%	88.28%
109.5	75.928	3.955	1346.763	0.26%	88.54%
110.0	75.000	3.894	1350.657	0.26%	88.80%
110.5	74.086	3.835	1354.492	0.25%	89.05%
111.0	73.177	3.775	1358.267	0.25%	89.30%
111.5	72.275	3.717	1361.983	0.24%	89.55%
112.0	71.377	3.658	1365.641	0.24%	89.79%
112.5	70.490	3.600	1369.241	0.24%	90.02%
113.0	69.613	3.542	1372.783	0.23%	90.26%
113.5	68.740	3.485	1376.268	0.23%	90.48%

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Zonal flux distribution table

Appendix Page: 8 Total:37

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	67.876	3.428	1379.697	0.23%	90.71%
114.5	67.016	3.372	1383.068	0.22%	90.93%
115.0	66.167	3.316	1386.384	0.22%	91.15%
115.5	65.317	3.260	1389.644	0.21%	91.36%
116.0	64.482	3.205	1392.85	0.21%	91.57%
116.5	63.657	3.151	1396	0.21%	91.78%
117.0	62.837	3.097	1399.097	0.20%	91.99%
117.5	62.023	3.043	1402.14	0.20%	92.19%
118.0	61.212	2.990	1405.13	0.20%	92.38%
118.5	60.419	2.937	1408.068	0.19%	92.58%
119.0	59.626	2.885	1410.953	0.19%	92.76%
119.5	58.843	2.834	1413.787	0.19%	92.95%
120.0	58.059	2.783	1416.569	0.18%	93.13%
120.5	57.290	2.732	1419.301	0.18%	93.31%
121.0	56.523	2.682	1421.983	0.18%	93.49%
121.5	55.769	2.632	1424.614	0.17%	93.66%
122.0	55.016	2.583	1427.197	0.17%	93.83%
122.5	54.272	2.534	1429.731	0.17%	94.00%
123.0	53.531	2.486	1432.217	0.16%	94.16%
123.5	52.801	2.438	1434.655	0.16%	94.32%
124.0	52.071	2.391	1437.045	0.16%	94.48%
124.5	51.356	2.344	1439.389	0.15%	94.63%
125.0	50.646	2.298	1441.687	0.15%	94.79%
125.5	49.944	2.252	1443.939	0.15%	94.93%
126.0	49.243	2.207	1446.146	0.15%	95.08%
126.5	48.550	2.162	1448.308	0.14%	95.22%
127.0	47.863	2.118	1450.426	0.14%	95.36%
127.5	47.185	2.074	1452.5	0.14%	95.50%
128.0	46.508	2.031	1454.531	0.13%	95.63%
128.5	45.842	1.988	1456.519	0.13%	95.76%
129.0	45.180	1.946	1458.465	0.13%	95.89%
129.5	44.530	1.905	1460.37	0.13%	96.01%
130.0	43.879	1.863	1462.233	0.12%	96.14%
130.5	43.237	1.823	1464.056	0.12%	96.26%
131.0	42.597	1.783	1465.839	0.12%	96.37%
131.5	41.968	1.743	1467.582	0.11%	96.49%
132.0	41.341	1.704	1469.286	0.11%	96.60%
132.5	40.727	1.665	1470.951	0.11%	96.71%

Equipment: ZT-40
Temperature($^{\circ}\text{C}$): 24.9

Date:
Humidity(%): 55.6%

Operator: LSC

Zonal flux distribution table

Appendix Page: 9 Total:37

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
133.0	40.114	1.627	1472.579	0.11%	96.82%
133.5	39.502	1.590	1474.169	0.10%	96.92%
134.0	38.901	1.553	1475.721	0.10%	97.02%
134.5	38.305	1.516	1477.238	0.10%	97.12%
135.0	37.716	1.480	1478.718	0.10%	97.22%
135.5	37.130	1.445	1480.162	0.09%	97.32%
136.0	36.554	1.410	1481.572	0.09%	97.41%
136.5	35.979	1.375	1482.947	0.09%	97.50%
137.0	35.408	1.341	1484.288	0.09%	97.59%
137.5	34.836	1.307	1485.595	0.09%	97.67%
138.0	34.283	1.274	1486.869	0.08%	97.76%
138.5	33.732	1.242	1488.111	0.08%	97.84%
139.0	33.191	1.210	1489.321	0.08%	97.92%
139.5	32.684	1.179	1490.499	0.08%	97.99%
140.0	32.161	1.149	1491.648	0.08%	98.07%
140.5	31.621	1.118	1492.766	0.07%	98.14%
141.0	31.085	1.088	1493.854	0.07%	98.22%
141.5	30.552	1.058	1494.912	0.07%	98.28%
142.0	30.034	1.028	1495.94	0.07%	98.35%
142.5	29.526	1.000	1496.94	0.07%	98.42%
143.0	29.028	0.972	1497.911	0.06%	98.48%
143.5	28.527	0.944	1498.855	0.06%	98.54%
144.0	28.034	0.917	1499.772	0.06%	98.60%
144.5	27.550	0.890	1500.663	0.06%	98.66%
145.0	27.070	0.864	1501.527	0.06%	98.72%
145.5	26.596	0.839	1502.365	0.06%	98.77%
146.0	26.123	0.813	1503.179	0.05%	98.83%
146.5	25.658	0.789	1503.968	0.05%	98.88%
147.0	25.198	0.764	1504.732	0.05%	98.93%
147.5	24.745	0.741	1505.473	0.05%	98.98%
148.0	24.297	0.717	1506.19	0.05%	99.03%
148.5	23.855	0.695	1506.885	0.05%	99.07%
149.0	23.413	0.672	1507.557	0.04%	99.12%
149.5	22.979	0.650	1508.207	0.04%	99.16%
150.0	22.551	0.629	1508.836	0.04%	99.20%
150.5	22.127	0.608	1509.444	0.04%	99.24%
151.0	21.707	0.587	1510.031	0.04%	99.28%
151.5	21.292	0.567	1510.598	0.04%	99.32%

Equipment: ZT-40
Temperature($^{\circ}\text{C}$): 24.9

Date:
Humidity(%): 55.6%

Operator: LSC

Zonal flux distribution table

Appendix Page: 10 Total:37

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	20.881	0.547	1511.146	0.04%	99.35%
152.5	20.471	0.528	1511.673	0.03%	99.39%
153.0	20.069	0.509	1512.182	0.03%	99.42%
153.5	19.671	0.490	1512.673	0.03%	99.45%
154.0	19.276	0.472	1513.145	0.03%	99.48%
154.5	18.884	0.455	1513.599	0.03%	99.51%
155.0	18.496	0.437	1514.037	0.03%	99.54%
155.5	18.111	0.420	1514.457	0.03%	99.57%
156.0	17.726	0.404	1514.86	0.03%	99.60%
156.5	17.346	0.387	1515.247	0.03%	99.62%
157.0	16.968	0.371	1515.619	0.02%	99.65%
157.5	16.594	0.356	1515.975	0.02%	99.67%
158.0	16.222	0.341	1516.315	0.02%	99.69%
158.5	15.853	0.326	1516.641	0.02%	99.71%
159.0	15.483	0.311	1516.953	0.02%	99.73%
159.5	15.114	0.297	1517.25	0.02%	99.75%
160.0	14.747	0.283	1517.533	0.02%	99.77%
160.5	14.380	0.270	1517.803	0.02%	99.79%
161.0	14.011	0.257	1518.06	0.02%	99.81%
161.5	13.642	0.244	1518.303	0.02%	99.82%
162.0	13.272	0.231	1518.534	0.02%	99.84%
162.5	12.899	0.219	1518.753	0.01%	99.85%
163.0	12.519	0.207	1518.96	0.01%	99.87%
163.5	12.140	0.195	1519.154	0.01%	99.88%
164.0	11.754	0.183	1519.338	0.01%	99.89%
164.5	11.364	0.172	1519.51	0.01%	99.90%
165.0	10.965	0.161	1519.671	0.01%	99.91%
165.5	10.559	0.150	1519.821	0.01%	99.92%
166.0	10.147	0.140	1519.961	0.01%	99.93%
166.5	9.731	0.130	1520.09	0.01%	99.94%
167.0	9.302	0.120	1520.21	0.01%	99.95%
167.5	8.859	0.110	1520.32	0.01%	99.96%
168.0	8.401	0.100	1520.42	0.01%	99.96%
168.5	7.931	0.091	1520.511	0.01%	99.97%
169.0	7.443	0.082	1520.594	0.01%	99.97%
169.5	6.928	0.073	1520.667	0.00%	99.98%
170.0	6.364	0.065	1520.732	0.00%	99.98%
170.5	5.737	0.056	1520.788	0.00%	99.99%

Equipment: ZT-40
Temperature($^{\circ}\text{C}$): 24.9

Date:
Humidity(%): 55.6%

Operator: LSC

Zonal flux distribution table

Appendix Page: 11 Total:37

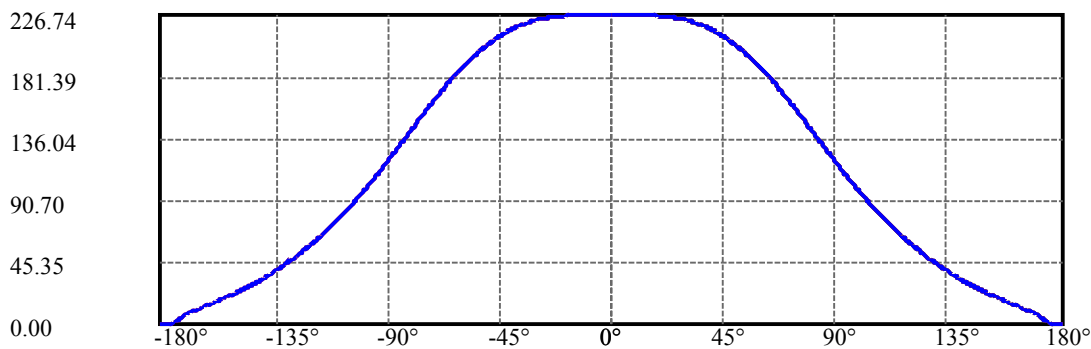
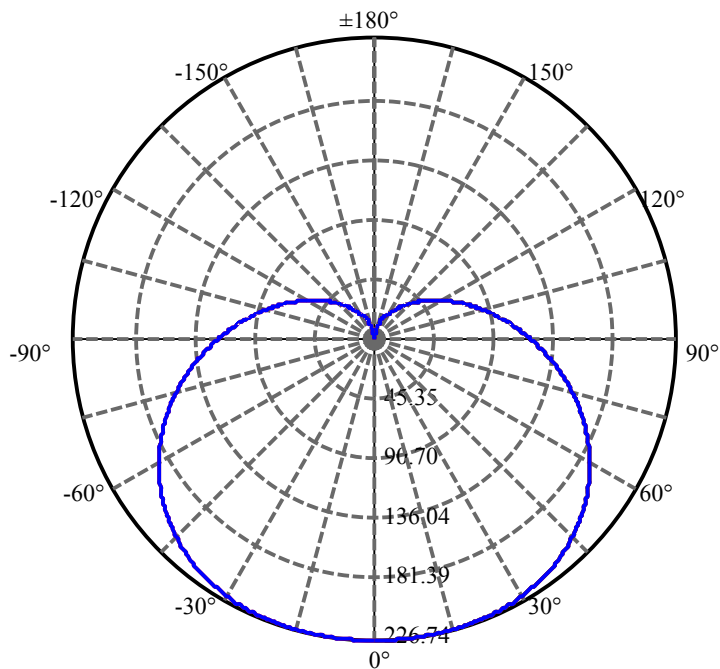
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
171.0	5.042	0.048	1520.836	0.00%	99.99%
171.5	4.342	0.039	1520.875	0.00%	99.99%
172.0	3.696	0.032	1520.906	0.00%	99.99%
172.5	3.113	0.025	1520.932	0.00%	100.00%
173.0	2.536	0.020	1520.951	0.00%	100.00%
173.5	1.985	0.015	1520.966	0.00%	100.00%
174.0	1.506	0.010	1520.976	0.00%	100.00%
174.5	1.163	0.007	1520.983	0.00%	100.00%
175.0	0.882	0.005	1520.989	0.00%	100.00%
175.5	0.622	0.003	1520.992	0.00%	100.00%
176.0	0.443	0.002	1520.994	0.00%	100.00%
176.5	0.364	0.001	1520.996	0.00%	100.00%
177.0	0.354	0.001	1520.997	0.00%	100.00%
177.5	0.354	0.001	1520.998	0.00%	100.00%
178.0	0.355	0.001	1520.998	0.00%	100.00%
178.5	0.356	0.001	1520.999	0.00%	100.00%
179.0	0.357	0.000	1520.999	0.00%	100.00%
179.5	0.356	0.000	1521	0.00%	100.00%
180.0	0.355	0.000	1521	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	189.68	12.47%
0-40	327.67	21.54%
0-60	665.96	43.78%
0-90	1145.26	75.30%
0-120	1416.57	93.13%
0-180	1521.00	100.00%
60-90	479.29	31.51%
90-120	271.31	17.84%
90-130	316.98	20.84%
90-150	363.58	23.90%
90-180	375.74	24.70%
0-95.91	1216.80	80.00%

ZONAL LUMEN SUMMARY

0-10	21.63
10-20	64.12
20-30	103.93
30-40	137.98
40-50	162.76
50-60	175.54
60-70	175.19
70-80	162.72
80-90	141.39
90-100	115.70
100-110	89.70
110-120	65.91
120-130	45.66
130-140	29.41
140-150	17.19
150-160	8.70
160-170	3.20
170-180	0.27



C0(Max):

C0/C180:

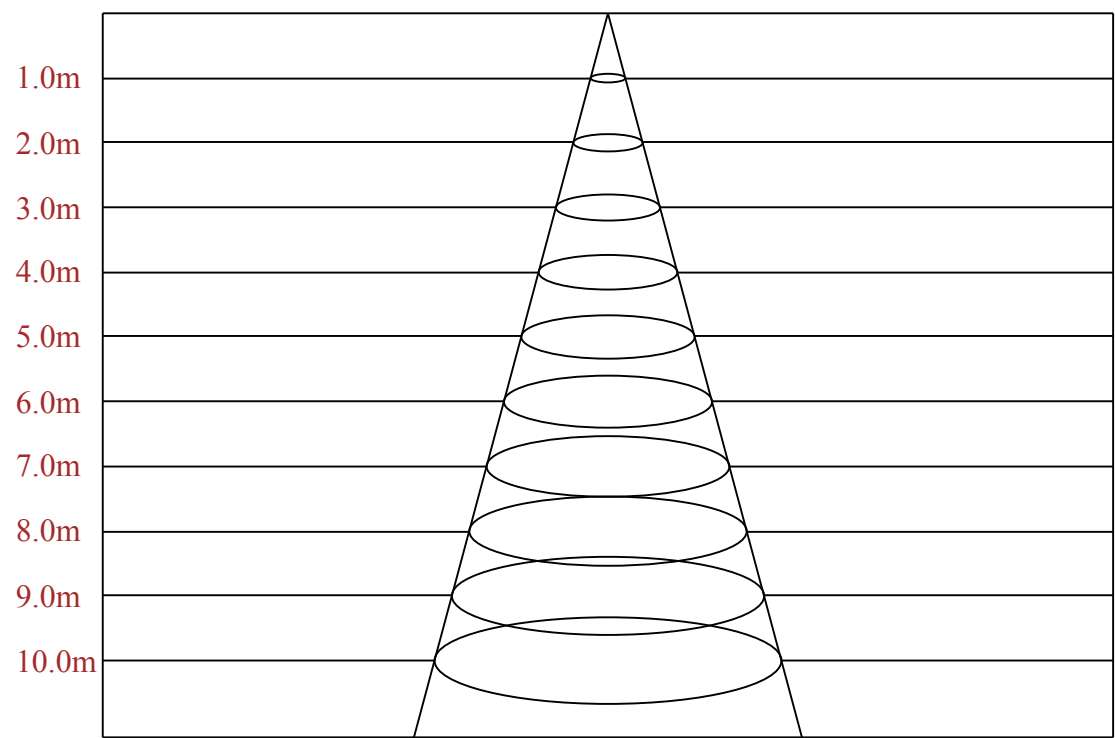
C90/C270:

Field angle(10%Imax):C0/180Left:149.9 Right:149.9

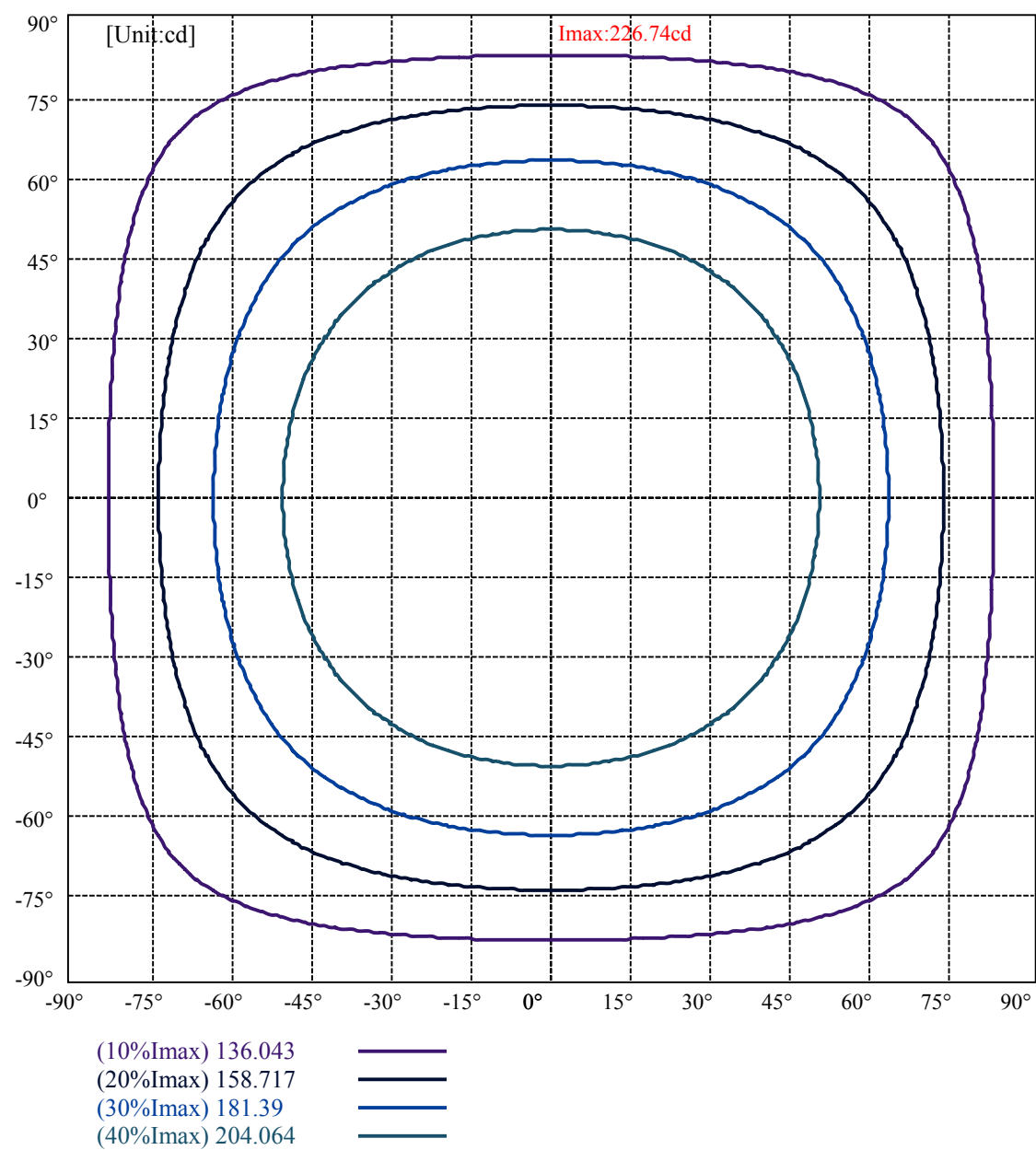
:C90/270Left:149.9 Right:149.9

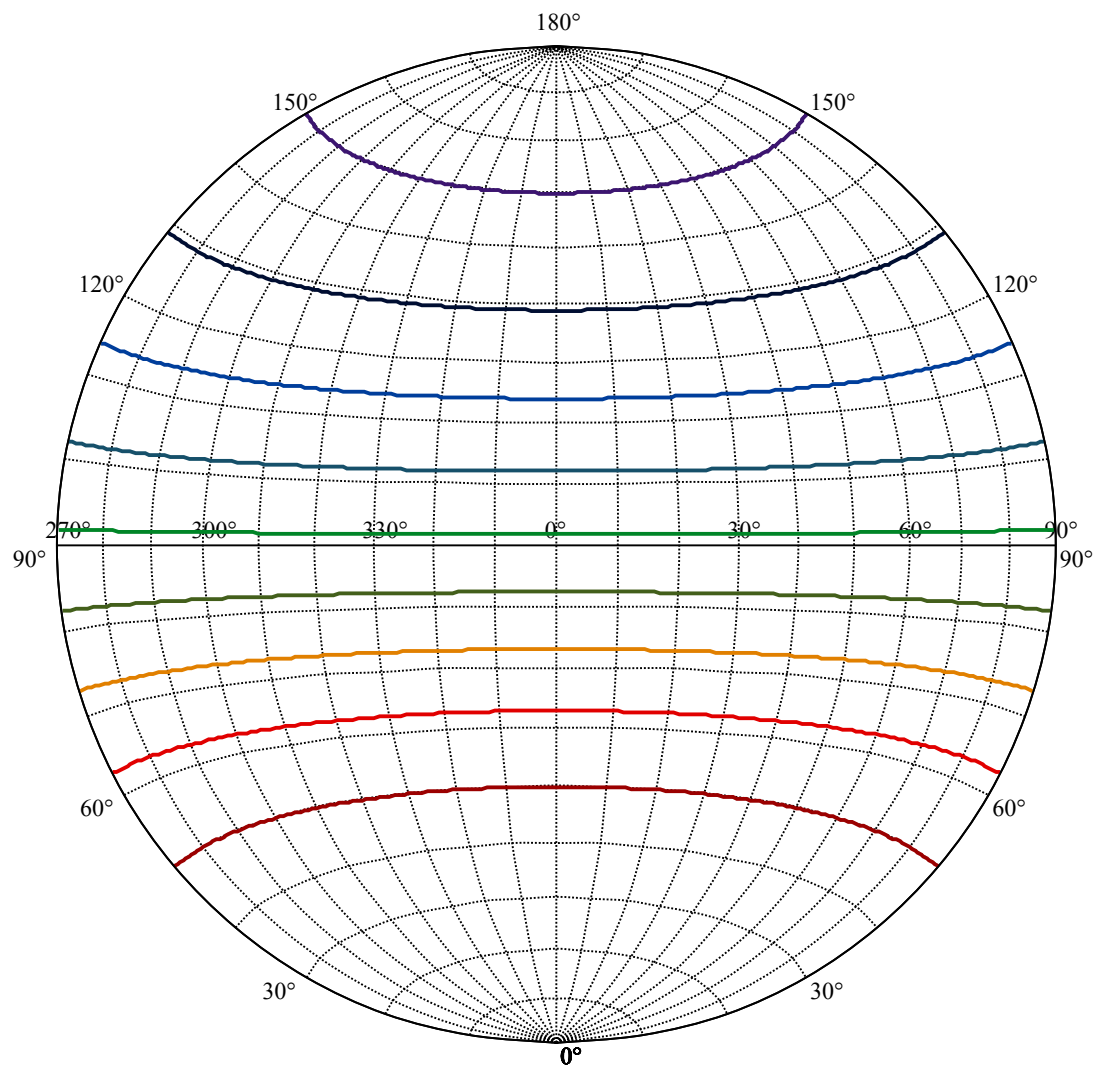
Beam Angle(50%Imax):C0/180Left:91.8 Right:91.8

:C90/270Left:91.8 Right:91.8



Max , Ave Beam angle of C0 plane 183.77



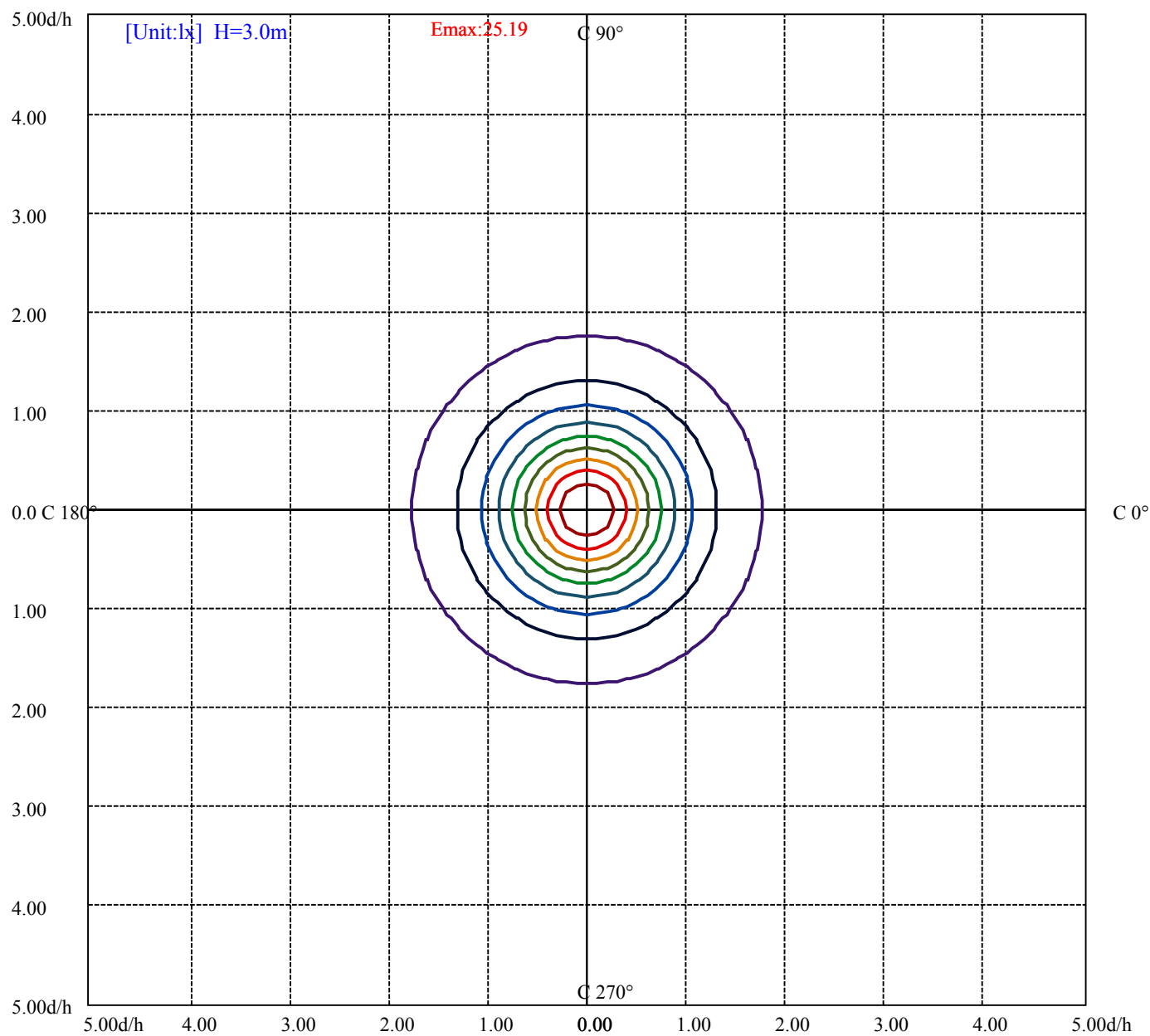


House

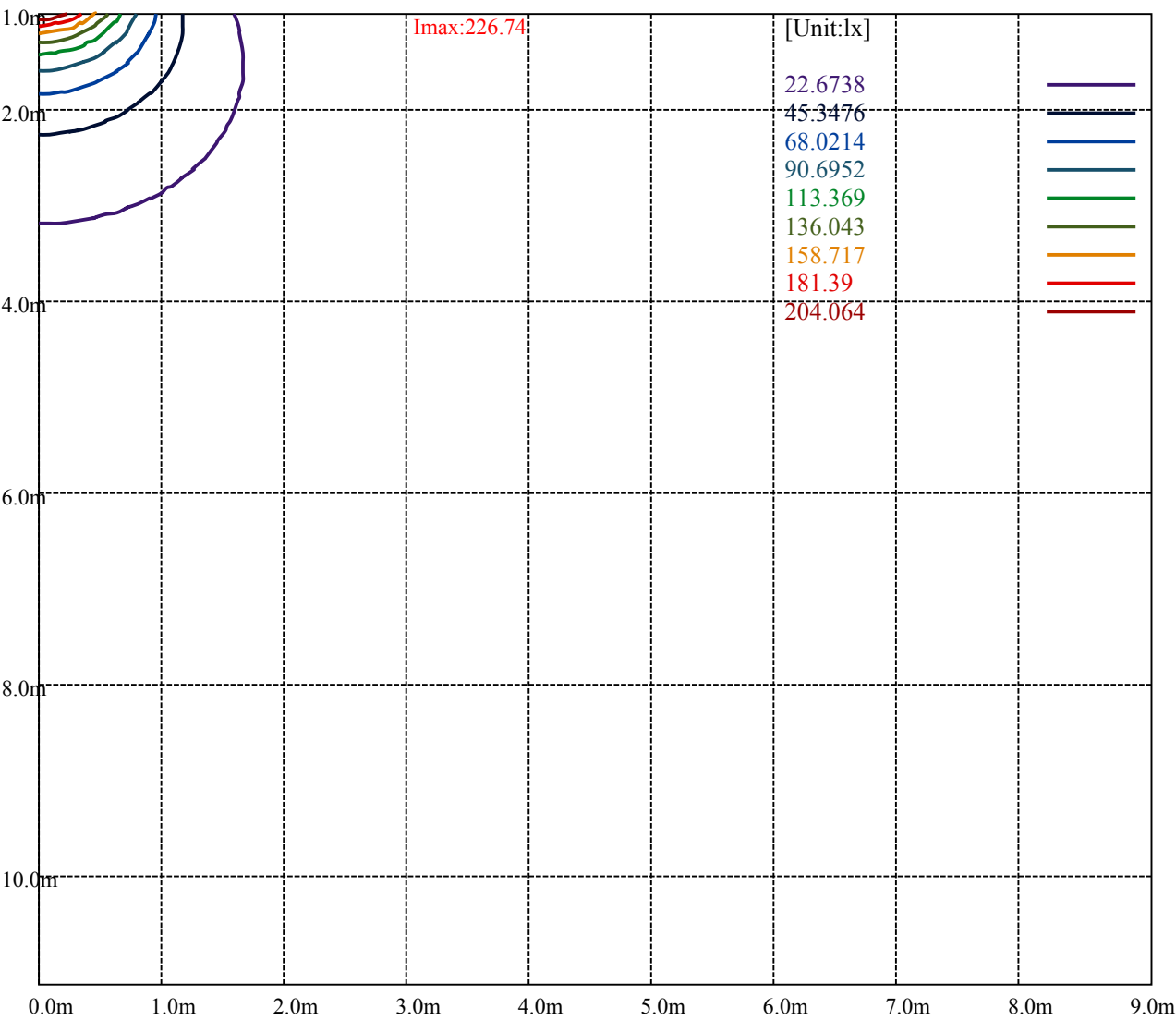
[Unit:cd]

Road

Imax:226.74	
(10%Imax) 22.6738	
(20%Imax) 45.3476	
(30%Imax) 68.0214	
(40%Imax) 90.6952	
(50%Imax) 113.369	
(60%Imax) 136.043	
(70%Imax) 158.717	
(80%Imax) 181.39	
(90%Imax) 204.064	



(10%Emax) 2.519311	—
(20%Emax) 5.038622	—
(30%Emax) 7.557933	—
(40%Emax) 10.07724	—
(50%Emax) 12.59656	—
(60%Emax) 15.11589	—
(70%Emax) 17.63522	—
(80%Emax) 20.15444	—
(90%Emax) 22.67378	—



Luminance Limiting Curve(no luminous side)

Appendix Page: 19 Total:37

Luminance Table

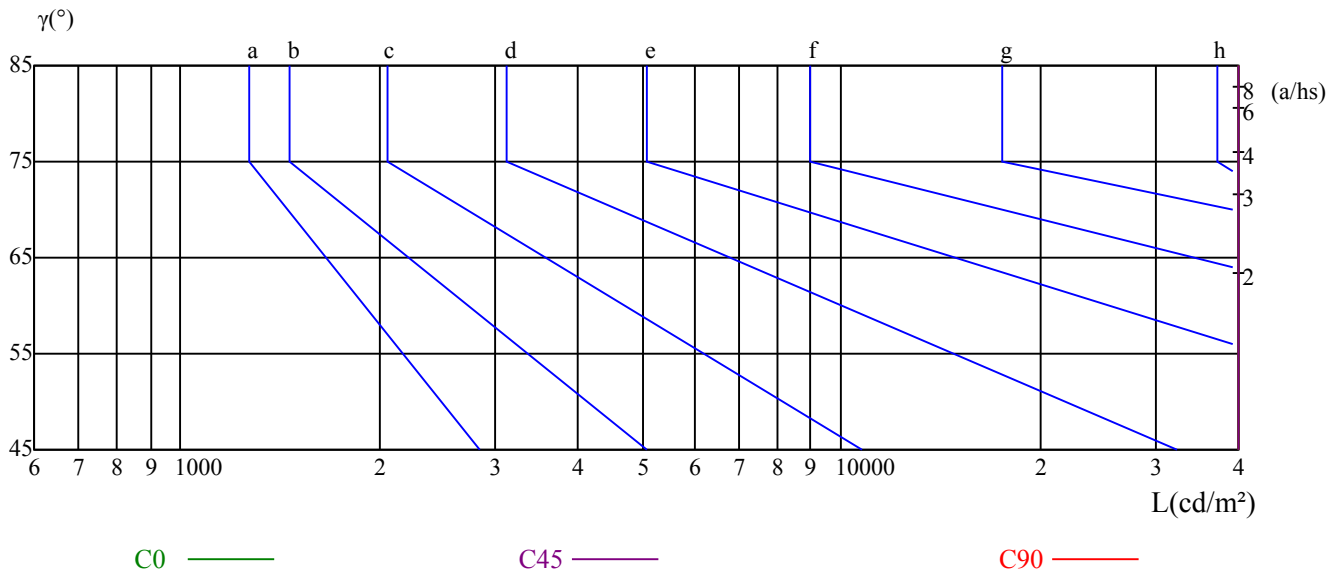
γ	45	50	55	60	65	70	75	80	85
C0	55683	54409	53183	51990	50820	49689	48633	47708	47006
C45	55683	54409	53183	51990	50820	49689	48633	47708	47006
C90	55683	54409	53183	51990	50820	49689	48633	47708	47006

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
147953	147953	147953	210398	210398	210398	525863	525863	525863

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve



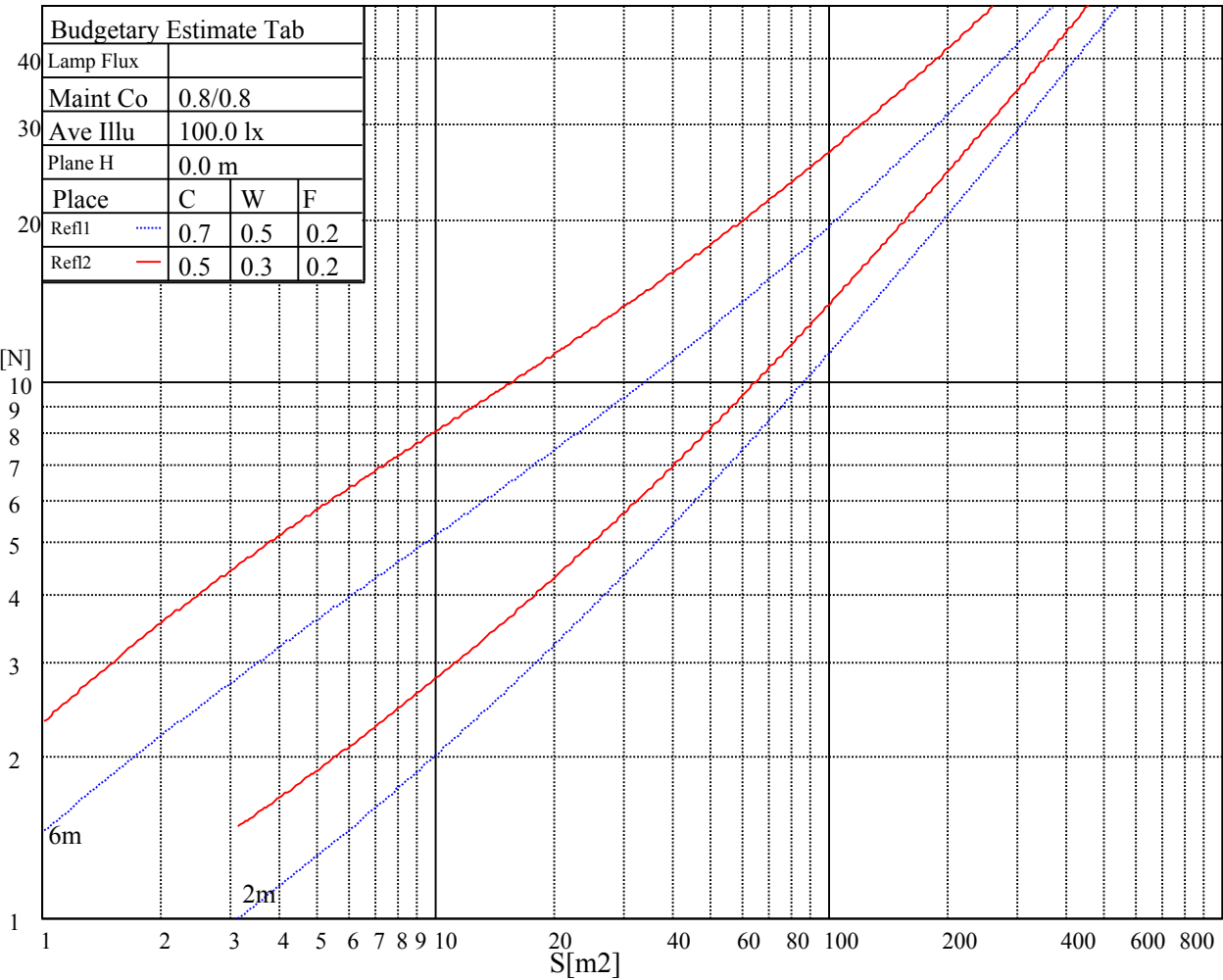
Equipment: ZT-40
Temperature($^{\circ}\text{C}$): 24.9

Date:
Humidity(%): 55.6%

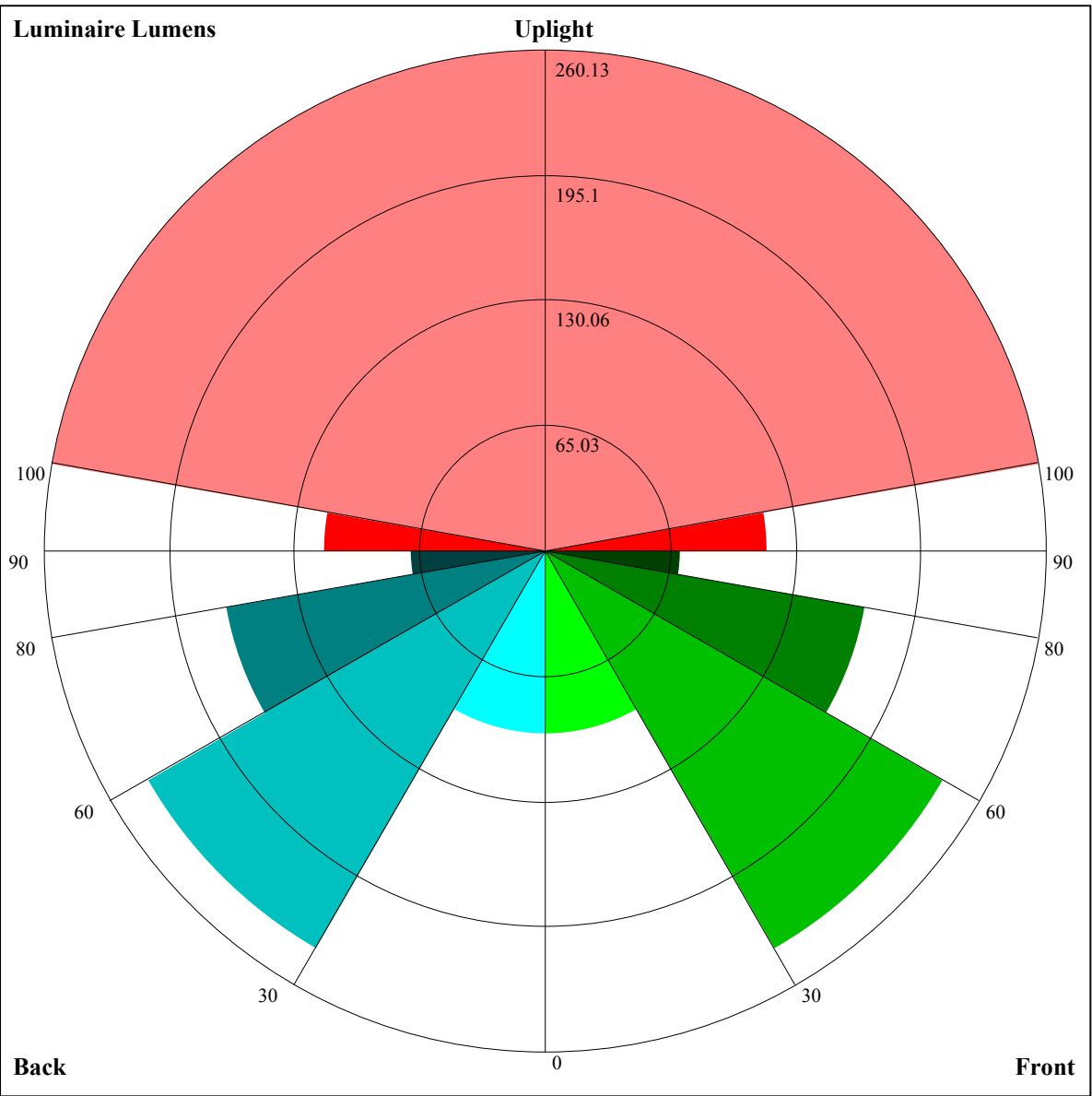
Operator: LSC

Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	24.28	25.59	24.95	26.31	27.16	24.28	25.59	24.95	26.31	27.16
	3H	26.56	27.78	27.26	28.51	29.38	26.56	27.78	27.26	28.51	29.38
	4H	27.63	28.79	28.34	29.53	30.41	27.63	28.79	28.34	29.53	30.41
	6H	28.70	29.79	29.42	30.54	31.44	28.70	29.79	29.42	30.54	31.44
	8H	29.18	30.24	29.91	30.99	31.90	29.18	30.24	29.91	30.99	31.90
	12H	29.64	30.67	30.37	31.42	32.34	29.64	30.67	30.37	31.42	32.34
4H	2H	25.14	26.29	25.84	27.03	27.91	25.14	26.29	25.84	27.03	27.91
	3H	27.58	28.60	28.31	29.36	30.27	27.58	28.60	28.31	29.36	30.27
	4H	28.86	29.79	29.60	30.56	31.50	28.86	29.79	29.60	30.56	31.50
	6H	30.05	30.90	30.81	31.69	32.62	30.05	30.90	30.81	31.69	32.62
	8H	30.65	31.45	31.42	32.24	33.19	30.65	31.45	31.42	32.24	33.19
	12H	31.22	31.97	32.00	32.76	33.73	31.22	31.97	32.00	32.76	33.73
8H	4H	29.35	30.15	30.12	30.94	31.89	29.35	30.15	30.12	30.94	31.89
	6H	30.76	31.45	31.54	32.25	33.22	30.76	31.45	31.54	32.25	33.22
	8H	31.55	32.16	32.35	32.99	33.96	31.55	32.16	32.35	32.99	33.96
	12H	32.27	32.81	33.08	33.65	34.62	32.27	32.81	33.08	33.65	34.62
12H	4H	29.45	30.20	30.23	30.99	31.96	29.45	30.20	30.23	30.99	31.96
	6H	30.99	31.60	31.78	32.43	33.40	30.99	31.60	31.78	32.43	33.40
	8H	31.80	32.34	32.60	33.18	34.15	31.80	32.34	32.60	33.18	34.15
Variation with the observer position at spacings:											
S = 1.0H		0.2/-0.9					0.2/-0.9				
S = 1.5H		0.4/-0.8					0.4/-0.8				
S = 2.0H		0.3/-0.6					0.3/-0.6				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		16.0					16.0				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.13	1.13	1.13	1.08	1.08	1.08	0.97	0.97	0.97	0.88	0.88	0.88	0.79	0.79	0.79	0.75
1	0.92	0.87	0.82	0.88	0.83	0.78	0.79	0.75	0.71	0.71	0.67	0.64	0.63	0.60	0.58	0.54
2	0.78	0.70	0.63	0.74	0.67	0.60	0.67	0.60	0.55	0.59	0.55	0.50	0.53	0.49	0.46	0.42
3	0.67	0.58	0.51	0.64	0.55	0.48	0.57	0.50	0.44	0.51	0.45	0.41	0.45	0.41	0.37	0.33
4	0.59	0.49	0.42	0.56	0.47	0.40	0.50	0.43	0.37	0.45	0.39	0.34	0.40	0.35	0.31	0.27
5	0.52	0.42	0.35	0.49	0.40	0.34	0.44	0.37	0.31	0.40	0.33	0.28	0.35	0.30	0.26	0.23
6	0.46	0.37	0.30	0.44	0.35	0.29	0.40	0.32	0.27	0.36	0.29	0.24	0.32	0.26	0.22	0.20
7	0.42	0.32	0.26	0.40	0.31	0.25	0.36	0.28	0.23	0.32	0.26	0.21	0.29	0.23	0.19	0.17
8	0.38	0.29	0.23	0.36	0.28	0.22	0.33	0.25	0.20	0.29	0.23	0.19	0.26	0.21	0.17	0.15
9	0.34	0.26	0.20	0.33	0.25	0.19	0.30	0.23	0.18	0.27	0.21	0.17	0.24	0.19	0.15	0.13
10	0.31	0.23	0.18	0.30	0.22	0.17	0.27	0.21	0.16	0.25	0.19	0.15	0.22	0.17	0.14	0.12



Luminaire Lumens:

FL=94.84,FM=238.1,FH=168.94,FVH=70.7

BL=94.84,BM=238.1,BH=168.94,BVH=70.7

UL=115.72,UH=260.13

BUG Rating:B1-U3-G1

Intensity data(cd)

Appendix Page: 24 Total:37

C/ γ (°)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
0.0	226.74	226.74	226.73	226.73	226.72	226.71	226.71	226.70	226.70
22.5	226.74	226.74	226.73	226.73	226.72	226.71	226.71	226.70	226.70
45.0	226.74	226.74	226.73	226.73	226.72	226.71	226.71	226.70	226.70
67.5	226.74	226.74	226.73	226.73	226.72	226.71	226.71	226.70	226.70
90.0	226.74	226.74	226.73	226.73	226.72	226.71	226.71	226.70	226.70
112.5	226.74	226.74	226.73	226.73	226.72	226.71	226.71	226.70	226.70
135.0	226.74	226.74	226.73	226.73	226.72	226.71	226.71	226.70	226.70
157.5	226.74	226.74	226.73	226.73	226.72	226.71	226.71	226.70	226.70
180.0	226.74	226.74	226.73	226.73	226.72	226.71	226.71	226.70	226.70
202.5	226.74	226.74	226.73	226.73	226.72	226.71	226.71	226.70	226.70
225.0	226.74	226.74	226.73	226.73	226.72	226.71	226.71	226.70	226.70
247.5	226.74	226.74	226.73	226.73	226.72	226.71	226.71	226.70	226.70
270.0	226.74	226.74	226.73	226.73	226.72	226.71	226.71	226.70	226.70
292.5	226.74	226.74	226.73	226.73	226.72	226.71	226.71	226.70	226.70
315.0	226.74	226.74	226.73	226.73	226.72	226.71	226.71	226.70	226.70
337.5	226.74	226.74	226.73	226.73	226.72	226.71	226.71	226.70	226.70
360.0	226.74	226.74	226.73	226.73	226.72	226.71	226.71	226.70	226.70
C/ γ (°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	226.69	226.68	226.67	226.66	226.65	226.63	226.61	226.60	226.59
22.5	226.69	226.68	226.67	226.66	226.65	226.63	226.61	226.60	226.59
45.0	226.69	226.68	226.67	226.66	226.65	226.63	226.61	226.60	226.59
67.5	226.69	226.68	226.67	226.66	226.65	226.63	226.61	226.60	226.59
90.0	226.69	226.68	226.67	226.66	226.65	226.63	226.61	226.60	226.59
112.5	226.69	226.68	226.67	226.66	226.65	226.63	226.61	226.60	226.59
135.0	226.69	226.68	226.67	226.66	226.65	226.63	226.61	226.60	226.59
157.5	226.69	226.68	226.67	226.66	226.65	226.63	226.61	226.60	226.59
180.0	226.69	226.68	226.67	226.66	226.65	226.63	226.61	226.60	226.59
202.5	226.69	226.68	226.67	226.66	226.65	226.63	226.61	226.60	226.59
225.0	226.69	226.68	226.67	226.66	226.65	226.63	226.61	226.60	226.59
247.5	226.69	226.68	226.67	226.66	226.65	226.63	226.61	226.60	226.59
270.0	226.69	226.68	226.67	226.66	226.65	226.63	226.61	226.60	226.59
292.5	226.69	226.68	226.67	226.66	226.65	226.63	226.61	226.60	226.59
315.0	226.69	226.68	226.67	226.66	226.65	226.63	226.61	226.60	226.59
337.5	226.69	226.68	226.67	226.66	226.65	226.63	226.61	226.60	226.59
360.0	226.69	226.68	226.67	226.66	226.65	226.63	226.61	226.60	226.59
C/ γ (°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	226.57	226.56	226.54	226.53	226.50	226.48	226.46	226.43	226.41
22.5	226.57	226.56	226.54	226.53	226.50	226.48	226.46	226.43	226.41
45.0	226.57	226.56	226.54	226.53	226.50	226.48	226.46	226.43	226.41
67.5	226.57	226.56	226.54	226.53	226.50	226.48	226.46	226.43	226.41
90.0	226.57	226.56	226.54	226.53	226.50	226.48	226.46	226.43	226.41
112.5	226.57	226.56	226.54	226.53	226.50	226.48	226.46	226.43	226.41
135.0	226.57	226.56	226.54	226.53	226.50	226.48	226.46	226.43	226.41
157.5	226.57	226.56	226.54	226.53	226.50	226.48	226.46	226.43	226.41
180.0	226.57	226.56	226.54	226.53	226.50	226.48	226.46	226.43	226.41
202.5	226.57	226.56	226.54	226.53	226.50	226.48	226.46	226.43	226.41
225.0	226.57	226.56	226.54	226.53	226.50	226.48	226.46	226.43	226.41
247.5	226.57	226.56	226.54	226.53	226.50	226.48	226.46	226.43	226.41
270.0	226.57	226.56	226.54	226.53	226.50	226.48	226.46	226.43	226.41
292.5	226.57	226.56	226.54	226.53	226.50	226.48	226.46	226.43	226.41
315.0	226.57	226.56	226.54	226.53	226.50	226.48	226.46	226.43	226.41
337.5	226.57	226.56	226.54	226.53	226.50	226.48	226.46	226.43	226.41
360.0	226.57	226.56	226.54	226.53	226.50	226.48	226.46	226.43	226.41

Intensity data(cd)

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C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	226.38	226.35	226.32	226.29	226.26	226.22	226.18	226.14	226.08
22.5	226.38	226.35	226.32	226.29	226.26	226.22	226.18	226.14	226.08
45.0	226.38	226.35	226.32	226.29	226.26	226.22	226.18	226.14	226.08
67.5	226.38	226.35	226.32	226.29	226.26	226.22	226.18	226.14	226.08
90.0	226.38	226.35	226.32	226.29	226.26	226.22	226.18	226.14	226.08
112.5	226.38	226.35	226.32	226.29	226.26	226.22	226.18	226.14	226.08
135.0	226.38	226.35	226.32	226.29	226.26	226.22	226.18	226.14	226.08
157.5	226.38	226.35	226.32	226.29	226.26	226.22	226.18	226.14	226.08
180.0	226.38	226.35	226.32	226.29	226.26	226.22	226.18	226.14	226.08
202.5	226.38	226.35	226.32	226.29	226.26	226.22	226.18	226.14	226.08
225.0	226.38	226.35	226.32	226.29	226.26	226.22	226.18	226.14	226.08
247.5	226.38	226.35	226.32	226.29	226.26	226.22	226.18	226.14	226.08
270.0	226.38	226.35	226.32	226.29	226.26	226.22	226.18	226.14	226.08
292.5	226.38	226.35	226.32	226.29	226.26	226.22	226.18	226.14	226.08
315.0	226.38	226.35	226.32	226.29	226.26	226.22	226.18	226.14	226.08
337.5	226.38	226.35	226.32	226.29	226.26	226.22	226.18	226.14	226.08
360.0	226.38	226.35	226.32	226.29	226.26	226.22	226.18	226.14	226.08

C/γ(°)	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0
0.0	226.03	225.98	225.92	225.86	225.79	225.71	225.64	225.55	225.46
22.5	226.03	225.98	225.92	225.86	225.79	225.71	225.64	225.55	225.46
45.0	226.03	225.98	225.92	225.86	225.79	225.71	225.64	225.55	225.46
67.5	226.03	225.98	225.92	225.86	225.79	225.71	225.64	225.55	225.46
90.0	226.03	225.98	225.92	225.86	225.79	225.71	225.64	225.55	225.46
112.5	226.03	225.98	225.92	225.86	225.79	225.71	225.64	225.55	225.46
135.0	226.03	225.98	225.92	225.86	225.79	225.71	225.64	225.55	225.46
157.5	226.03	225.98	225.92	225.86	225.79	225.71	225.64	225.55	225.46
180.0	226.03	225.98	225.92	225.86	225.79	225.71	225.64	225.55	225.46
202.5	226.03	225.98	225.92	225.86	225.79	225.71	225.64	225.55	225.46
225.0	226.03	225.98	225.92	225.86	225.79	225.71	225.64	225.55	225.46
247.5	226.03	225.98	225.92	225.86	225.79	225.71	225.64	225.55	225.46
270.0	226.03	225.98	225.92	225.86	225.79	225.71	225.64	225.55	225.46
292.5	226.03	225.98	225.92	225.86	225.79	225.71	225.64	225.55	225.46
315.0	226.03	225.98	225.92	225.86	225.79	225.71	225.64	225.55	225.46
337.5	226.03	225.98	225.92	225.86	225.79	225.71	225.64	225.55	225.46
360.0	226.03	225.98	225.92	225.86	225.79	225.71	225.64	225.55	225.46

C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	225.37	225.26	225.15	225.02	224.90	224.76	224.62	224.47	224.31
22.5	225.37	225.26	225.15	225.02	224.90	224.76	224.62	224.47	224.31
45.0	225.37	225.26	225.15	225.02	224.90	224.76	224.62	224.47	224.31
67.5	225.37	225.26	225.15	225.02	224.90	224.76	224.62	224.47	224.31
90.0	225.37	225.26	225.15	225.02	224.90	224.76	224.62	224.47	224.31
112.5	225.37	225.26	225.15	225.02	224.90	224.76	224.62	224.47	224.31
135.0	225.37	225.26	225.15	225.02	224.90	224.76	224.62	224.47	224.31
157.5	225.37	225.26	225.15	225.02	224.90	224.76	224.62	224.47	224.31
180.0	225.37	225.26	225.15	225.02	224.90	224.76	224.62	224.47	224.31
202.5	225.37	225.26	225.15	225.02	224.90	224.76	224.62	224.47	224.31
225.0	225.37	225.26	225.15	225.02	224.90	224.76	224.62	224.47	224.31
247.5	225.37	225.26	225.15	225.02	224.90	224.76	224.62	224.47	224.31
270.0	225.37	225.26	225.15	225.02	224.90	224.76	224.62	224.47	224.31
292.5	225.37	225.26	225.15	225.02	224.90	224.76	224.62	224.47	224.31
315.0	225.37	225.26	225.15	225.02	224.90	224.76	224.62	224.47	224.31
337.5	225.37	225.26	225.15	225.02	224.90	224.76	224.62	224.47	224.31
360.0	225.37	225.26	225.15	225.02	224.90	224.76	224.62	224.47	224.31

Intensity data(cd)

Appendix Page: 26 Total:37

C/ γ (°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	224.13	223.95	223.76	223.56	223.35	223.14	222.90	222.66	222.41
22.5	224.13	223.95	223.76	223.56	223.35	223.14	222.90	222.66	222.41
45.0	224.13	223.95	223.76	223.56	223.35	223.14	222.90	222.66	222.41
67.5	224.13	223.95	223.76	223.56	223.35	223.14	222.90	222.66	222.41
90.0	224.13	223.95	223.76	223.56	223.35	223.14	222.90	222.66	222.41
112.5	224.13	223.95	223.76	223.56	223.35	223.14	222.90	222.66	222.41
135.0	224.13	223.95	223.76	223.56	223.35	223.14	222.90	222.66	222.41
157.5	224.13	223.95	223.76	223.56	223.35	223.14	222.90	222.66	222.41
180.0	224.13	223.95	223.76	223.56	223.35	223.14	222.90	222.66	222.41
202.5	224.13	223.95	223.76	223.56	223.35	223.14	222.90	222.66	222.41
225.0	224.13	223.95	223.76	223.56	223.35	223.14	222.90	222.66	222.41
247.5	224.13	223.95	223.76	223.56	223.35	223.14	222.90	222.66	222.41
270.0	224.13	223.95	223.76	223.56	223.35	223.14	222.90	222.66	222.41
292.5	224.13	223.95	223.76	223.56	223.35	223.14	222.90	222.66	222.41
315.0	224.13	223.95	223.76	223.56	223.35	223.14	222.90	222.66	222.41
337.5	224.13	223.95	223.76	223.56	223.35	223.14	222.90	222.66	222.41
360.0	224.13	223.95	223.76	223.56	223.35	223.14	222.90	222.66	222.41
C/ γ (°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	222.14	221.87	221.58	221.29	220.98	220.66	220.33	219.99	219.63
22.5	222.14	221.87	221.58	221.29	220.98	220.66	220.33	219.99	219.63
45.0	222.14	221.87	221.58	221.29	220.98	220.66	220.33	219.99	219.63
67.5	222.14	221.87	221.58	221.29	220.98	220.66	220.33	219.99	219.63
90.0	222.14	221.87	221.58	221.29	220.98	220.66	220.33	219.99	219.63
112.5	222.14	221.87	221.58	221.29	220.98	220.66	220.33	219.99	219.63
135.0	222.14	221.87	221.58	221.29	220.98	220.66	220.33	219.99	219.63
157.5	222.14	221.87	221.58	221.29	220.98	220.66	220.33	219.99	219.63
180.0	222.14	221.87	221.58	221.29	220.98	220.66	220.33	219.99	219.63
202.5	222.14	221.87	221.58	221.29	220.98	220.66	220.33	219.99	219.63
225.0	222.14	221.87	221.58	221.29	220.98	220.66	220.33	219.99	219.63
247.5	222.14	221.87	221.58	221.29	220.98	220.66	220.33	219.99	219.63
270.0	222.14	221.87	221.58	221.29	220.98	220.66	220.33	219.99	219.63
292.5	222.14	221.87	221.58	221.29	220.98	220.66	220.33	219.99	219.63
315.0	222.14	221.87	221.58	221.29	220.98	220.66	220.33	219.99	219.63
337.5	222.14	221.87	221.58	221.29	220.98	220.66	220.33	219.99	219.63
360.0	222.14	221.87	221.58	221.29	220.98	220.66	220.33	219.99	219.63
C/ γ (°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	219.26	218.88	218.50	218.10	217.68	217.25	216.81	216.37	215.90
22.5	219.26	218.88	218.50	218.10	217.68	217.25	216.81	216.37	215.90
45.0	219.26	218.88	218.50	218.10	217.68	217.25	216.81	216.37	215.90
67.5	219.26	218.88	218.50	218.10	217.68	217.25	216.81	216.37	215.90
90.0	219.26	218.88	218.50	218.10	217.68	217.25	216.81	216.37	215.90
112.5	219.26	218.88	218.50	218.10	217.68	217.25	216.81	216.37	215.90
135.0	219.26	218.88	218.50	218.10	217.68	217.25	216.81	216.37	215.90
157.5	219.26	218.88	218.50	218.10	217.68	217.25	216.81	216.37	215.90
180.0	219.26	218.88	218.50	218.10	217.68	217.25	216.81	216.37	215.90
202.5	219.26	218.88	218.50	218.10	217.68	217.25	216.81	216.37	215.90
225.0	219.26	218.88	218.50	218.10	217.68	217.25	216.81	216.37	215.90
247.5	219.26	218.88	218.50	218.10	217.68	217.25	216.81	216.37	215.90
270.0	219.26	218.88	218.50	218.10	217.68	217.25	216.81	216.37	215.90
292.5	219.26	218.88	218.50	218.10	217.68	217.25	216.81	216.37	215.90
315.0	219.26	218.88	218.50	218.10	217.68	217.25	216.81	216.37	215.90
337.5	219.26	218.88	218.50	218.10	217.68	217.25	216.81	216.37	215.90
360.0	219.26	218.88	218.50	218.10	217.68	217.25	216.81	216.37	215.90

Intensity data(cd)

Appendix Page: 27 Total:37

C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	215.42	214.93	214.43	213.91	213.38	212.84	212.28	211.72	211.14
22.5	215.42	214.93	214.43	213.91	213.38	212.84	212.28	211.72	211.14
45.0	215.42	214.93	214.43	213.91	213.38	212.84	212.28	211.72	211.14
67.5	215.42	214.93	214.43	213.91	213.38	212.84	212.28	211.72	211.14
90.0	215.42	214.93	214.43	213.91	213.38	212.84	212.28	211.72	211.14
112.5	215.42	214.93	214.43	213.91	213.38	212.84	212.28	211.72	211.14
135.0	215.42	214.93	214.43	213.91	213.38	212.84	212.28	211.72	211.14
157.5	215.42	214.93	214.43	213.91	213.38	212.84	212.28	211.72	211.14
180.0	215.42	214.93	214.43	213.91	213.38	212.84	212.28	211.72	211.14
202.5	215.42	214.93	214.43	213.91	213.38	212.84	212.28	211.72	211.14
225.0	215.42	214.93	214.43	213.91	213.38	212.84	212.28	211.72	211.14
247.5	215.42	214.93	214.43	213.91	213.38	212.84	212.28	211.72	211.14
270.0	215.42	214.93	214.43	213.91	213.38	212.84	212.28	211.72	211.14
292.5	215.42	214.93	214.43	213.91	213.38	212.84	212.28	211.72	211.14
315.0	215.42	214.93	214.43	213.91	213.38	212.84	212.28	211.72	211.14
337.5	215.42	214.93	214.43	213.91	213.38	212.84	212.28	211.72	211.14
360.0	215.42	214.93	214.43	213.91	213.38	212.84	212.28	211.72	211.14

C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	210.55	209.94	209.33	208.69	208.04	207.39	206.73	206.04	205.35
22.5	210.55	209.94	209.33	208.69	208.04	207.39	206.73	206.04	205.35
45.0	210.55	209.94	209.33	208.69	208.04	207.39	206.73	206.04	205.35
67.5	210.55	209.94	209.33	208.69	208.04	207.39	206.73	206.04	205.35
90.0	210.55	209.94	209.33	208.69	208.04	207.39	206.73	206.04	205.35
112.5	210.55	209.94	209.33	208.69	208.04	207.39	206.73	206.04	205.35
135.0	210.55	209.94	209.33	208.69	208.04	207.39	206.73	206.04	205.35
157.5	210.55	209.94	209.33	208.69	208.04	207.39	206.73	206.04	205.35
180.0	210.55	209.94	209.33	208.69	208.04	207.39	206.73	206.04	205.35
202.5	210.55	209.94	209.33	208.69	208.04	207.39	206.73	206.04	205.35
225.0	210.55	209.94	209.33	208.69	208.04	207.39	206.73	206.04	205.35
247.5	210.55	209.94	209.33	208.69	208.04	207.39	206.73	206.04	205.35
270.0	210.55	209.94	209.33	208.69	208.04	207.39	206.73	206.04	205.35
292.5	210.55	209.94	209.33	208.69	208.04	207.39	206.73	206.04	205.35
315.0	210.55	209.94	209.33	208.69	208.04	207.39	206.73	206.04	205.35
337.5	210.55	209.94	209.33	208.69	208.04	207.39	206.73	206.04	205.35
360.0	210.55	209.94	209.33	208.69	208.04	207.39	206.73	206.04	205.35

C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	204.64	203.92	203.19	202.44	201.68	200.92	200.14	199.34	198.53
22.5	204.64	203.92	203.19	202.44	201.68	200.92	200.14	199.34	198.53
45.0	204.64	203.92	203.19	202.44	201.68	200.92	200.14	199.34	198.53
67.5	204.64	203.92	203.19	202.44	201.68	200.92	200.14	199.34	198.53
90.0	204.64	203.92	203.19	202.44	201.68	200.92	200.14	199.34	198.53
112.5	204.64	203.92	203.19	202.44	201.68	200.92	200.14	199.34	198.53
135.0	204.64	203.92	203.19	202.44	201.68	200.92	200.14	199.34	198.53
157.5	204.64	203.92	203.19	202.44	201.68	200.92	200.14	199.34	198.53
180.0	204.64	203.92	203.19	202.44	201.68	200.92	200.14	199.34	198.53
202.5	204.64	203.92	203.19	202.44	201.68	200.92	200.14	199.34	198.53
225.0	204.64	203.92	203.19	202.44	201.68	200.92	200.14	199.34	198.53
247.5	204.64	203.92	203.19	202.44	201.68	200.92	200.14	199.34	198.53
270.0	204.64	203.92	203.19	202.44	201.68	200.92	200.14	199.34	198.53
292.5	204.64	203.92	203.19	202.44	201.68	200.92	200.14	199.34	198.53
315.0	204.64	203.92	203.19	202.44	201.68	200.92	200.14	199.34	198.53
337.5	204.64	203.92	203.19	202.44	201.68	200.92	200.14	199.34	198.53
360.0	204.64	203.92	203.19	202.44	201.68	200.92	200.14	199.34	198.53

Intensity data(cd)

Appendix Page: 28 Total:37

C/γ(°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	197.71	196.87	196.04	195.18	194.31	193.43	192.54	191.63	190.73
22.5	197.71	196.87	196.04	195.18	194.31	193.43	192.54	191.63	190.73
45.0	197.71	196.87	196.04	195.18	194.31	193.43	192.54	191.63	190.73
67.5	197.71	196.87	196.04	195.18	194.31	193.43	192.54	191.63	190.73
90.0	197.71	196.87	196.04	195.18	194.31	193.43	192.54	191.63	190.73
112.5	197.71	196.87	196.04	195.18	194.31	193.43	192.54	191.63	190.73
135.0	197.71	196.87	196.04	195.18	194.31	193.43	192.54	191.63	190.73
157.5	197.71	196.87	196.04	195.18	194.31	193.43	192.54	191.63	190.73
180.0	197.71	196.87	196.04	195.18	194.31	193.43	192.54	191.63	190.73
202.5	197.71	196.87	196.04	195.18	194.31	193.43	192.54	191.63	190.73
225.0	197.71	196.87	196.04	195.18	194.31	193.43	192.54	191.63	190.73
247.5	197.71	196.87	196.04	195.18	194.31	193.43	192.54	191.63	190.73
270.0	197.71	196.87	196.04	195.18	194.31	193.43	192.54	191.63	190.73
292.5	197.71	196.87	196.04	195.18	194.31	193.43	192.54	191.63	190.73
315.0	197.71	196.87	196.04	195.18	194.31	193.43	192.54	191.63	190.73
337.5	197.71	196.87	196.04	195.18	194.31	193.43	192.54	191.63	190.73
360.0	197.71	196.87	196.04	195.18	194.31	193.43	192.54	191.63	190.73
C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	189.80	188.87	187.91	186.96	185.98	185.01	184.01	183.01	182.00
22.5	189.80	188.87	187.91	186.96	185.98	185.01	184.01	183.01	182.00
45.0	189.80	188.87	187.91	186.96	185.98	185.01	184.01	183.01	182.00
67.5	189.80	188.87	187.91	186.96	185.98	185.01	184.01	183.01	182.00
90.0	189.80	188.87	187.91	186.96	185.98	185.01	184.01	183.01	182.00
112.5	189.80	188.87	187.91	186.96	185.98	185.01	184.01	183.01	182.00
135.0	189.80	188.87	187.91	186.96	185.98	185.01	184.01	183.01	182.00
157.5	189.80	188.87	187.91	186.96	185.98	185.01	184.01	183.01	182.00
180.0	189.80	188.87	187.91	186.96	185.98	185.01	184.01	183.01	182.00
202.5	189.80	188.87	187.91	186.96	185.98	185.01	184.01	183.01	182.00
225.0	189.80	188.87	187.91	186.96	185.98	185.01	184.01	183.01	182.00
247.5	189.80	188.87	187.91	186.96	185.98	185.01	184.01	183.01	182.00
270.0	189.80	188.87	187.91	186.96	185.98	185.01	184.01	183.01	182.00
292.5	189.80	188.87	187.91	186.96	185.98	185.01	184.01	183.01	182.00
315.0	189.80	188.87	187.91	186.96	185.98	185.01	184.01	183.01	182.00
337.5	189.80	188.87	187.91	186.96	185.98	185.01	184.01	183.01	182.00
360.0	189.80	188.87	187.91	186.96	185.98	185.01	184.01	183.01	182.00
C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	180.98	179.94	178.90	177.85	176.79	175.72	174.64	173.55	172.45
22.5	180.98	179.94	178.90	177.85	176.79	175.72	174.64	173.55	172.45
45.0	180.98	179.94	178.90	177.85	176.79	175.72	174.64	173.55	172.45
67.5	180.98	179.94	178.90	177.85	176.79	175.72	174.64	173.55	172.45
90.0	180.98	179.94	178.90	177.85	176.79	175.72	174.64	173.55	172.45
112.5	180.98	179.94	178.90	177.85	176.79	175.72	174.64	173.55	172.45
135.0	180.98	179.94	178.90	177.85	176.79	175.72	174.64	173.55	172.45
157.5	180.98	179.94	178.90	177.85	176.79	175.72	174.64	173.55	172.45
180.0	180.98	179.94	178.90	177.85	176.79	175.72	174.64	173.55	172.45
202.5	180.98	179.94	178.90	177.85	176.79	175.72	174.64	173.55	172.45
225.0	180.98	179.94	178.90	177.85	176.79	175.72	174.64	173.55	172.45
247.5	180.98	179.94	178.90	177.85	176.79	175.72	174.64	173.55	172.45
270.0	180.98	179.94	178.90	177.85	176.79	175.72	174.64	173.55	172.45
292.5	180.98	179.94	178.90	177.85	176.79	175.72	174.64	173.55	172.45
315.0	180.98	179.94	178.90	177.85	176.79	175.72	174.64	173.55	172.45
337.5	180.98	179.94	178.90	177.85	176.79	175.72	174.64	173.55	172.45
360.0	180.98	179.94	178.90	177.85	176.79	175.72	174.64	173.55	172.45

Intensity data(cd)

Appendix Page: 29 Total:37

C/ γ (°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	171.35	170.24	169.12	167.99	166.86	165.72	164.57	163.42	162.25
22.5	171.35	170.24	169.12	167.99	166.86	165.72	164.57	163.42	162.25
45.0	171.35	170.24	169.12	167.99	166.86	165.72	164.57	163.42	162.25
67.5	171.35	170.24	169.12	167.99	166.86	165.72	164.57	163.42	162.25
90.0	171.35	170.24	169.12	167.99	166.86	165.72	164.57	163.42	162.25
112.5	171.35	170.24	169.12	167.99	166.86	165.72	164.57	163.42	162.25
135.0	171.35	170.24	169.12	167.99	166.86	165.72	164.57	163.42	162.25
157.5	171.35	170.24	169.12	167.99	166.86	165.72	164.57	163.42	162.25
180.0	171.35	170.24	169.12	167.99	166.86	165.72	164.57	163.42	162.25
202.5	171.35	170.24	169.12	167.99	166.86	165.72	164.57	163.42	162.25
225.0	171.35	170.24	169.12	167.99	166.86	165.72	164.57	163.42	162.25
247.5	171.35	170.24	169.12	167.99	166.86	165.72	164.57	163.42	162.25
270.0	171.35	170.24	169.12	167.99	166.86	165.72	164.57	163.42	162.25
292.5	171.35	170.24	169.12	167.99	166.86	165.72	164.57	163.42	162.25
315.0	171.35	170.24	169.12	167.99	166.86	165.72	164.57	163.42	162.25
337.5	171.35	170.24	169.12	167.99	166.86	165.72	164.57	163.42	162.25
360.0	171.35	170.24	169.12	167.99	166.86	165.72	164.57	163.42	162.25

C/ γ (°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	161.08	159.91	158.73	157.55	156.36	155.17	153.97	152.77	151.56
22.5	161.08	159.91	158.73	157.55	156.36	155.17	153.97	152.77	151.56
45.0	161.08	159.91	158.73	157.55	156.36	155.17	153.97	152.77	151.56
67.5	161.08	159.91	158.73	157.55	156.36	155.17	153.97	152.77	151.56
90.0	161.08	159.91	158.73	157.55	156.36	155.17	153.97	152.77	151.56
112.5	161.08	159.91	158.73	157.55	156.36	155.17	153.97	152.77	151.56
135.0	161.08	159.91	158.73	157.55	156.36	155.17	153.97	152.77	151.56
157.5	161.08	159.91	158.73	157.55	156.36	155.17	153.97	152.77	151.56
180.0	161.08	159.91	158.73	157.55	156.36	155.17	153.97	152.77	151.56
202.5	161.08	159.91	158.73	157.55	156.36	155.17	153.97	152.77	151.56
225.0	161.08	159.91	158.73	157.55	156.36	155.17	153.97	152.77	151.56
247.5	161.08	159.91	158.73	157.55	156.36	155.17	153.97	152.77	151.56
270.0	161.08	159.91	158.73	157.55	156.36	155.17	153.97	152.77	151.56
292.5	161.08	159.91	158.73	157.55	156.36	155.17	153.97	152.77	151.56
315.0	161.08	159.91	158.73	157.55	156.36	155.17	153.97	152.77	151.56
337.5	161.08	159.91	158.73	157.55	156.36	155.17	153.97	152.77	151.56
360.0	161.08	159.91	158.73	157.55	156.36	155.17	153.97	152.77	151.56

C/ γ (°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	150.35	149.14	147.93	146.71	145.50	144.27	143.05	141.82	140.60
22.5	150.35	149.14	147.93	146.71	145.50	144.27	143.05	141.82	140.60
45.0	150.35	149.14	147.93	146.71	145.50	144.27	143.05	141.82	140.60
67.5	150.35	149.14	147.93	146.71	145.50	144.27	143.05	141.82	140.60
90.0	150.35	149.14	147.93	146.71	145.50	144.27	143.05	141.82	140.60
112.5	150.35	149.14	147.93	146.71	145.50	144.27	143.05	141.82	140.60
135.0	150.35	149.14	147.93	146.71	145.50	144.27	143.05	141.82	140.60
157.5	150.35	149.14	147.93	146.71	145.50	144.27	143.05	141.82	140.60
180.0	150.35	149.14	147.93	146.71	145.50	144.27	143.05	141.82	140.60
202.5	150.35	149.14	147.93	146.71	145.50	144.27	143.05	141.82	140.60
225.0	150.35	149.14	147.93	146.71	145.50	144.27	143.05	141.82	140.60
247.5	150.35	149.14	147.93	146.71	145.50	144.27	143.05	141.82	140.60
270.0	150.35	149.14	147.93	146.71	145.50	144.27	143.05	141.82	140.60
292.5	150.35	149.14	147.93	146.71	145.50	144.27	143.05	141.82	140.60
315.0	150.35	149.14	147.93	146.71	145.50	144.27	143.05	141.82	140.60
337.5	150.35	149.14	147.93	146.71	145.50	144.27	143.05	141.82	140.60
360.0	150.35	149.14	147.93	146.71	145.50	144.27	143.05	141.82	140.60

Intensity data(cd)

Appendix Page: 30 Total:37

C/ γ (°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	139.38	138.16	136.93	135.70	134.48	133.25	132.03	130.81	129.59
22.5	139.38	138.16	136.93	135.70	134.48	133.25	132.03	130.81	129.59
45.0	139.38	138.16	136.93	135.70	134.48	133.25	132.03	130.81	129.59
67.5	139.38	138.16	136.93	135.70	134.48	133.25	132.03	130.81	129.59
90.0	139.38	138.16	136.93	135.70	134.48	133.25	132.03	130.81	129.59
112.5	139.38	138.16	136.93	135.70	134.48	133.25	132.03	130.81	129.59
135.0	139.38	138.16	136.93	135.70	134.48	133.25	132.03	130.81	129.59
157.5	139.38	138.16	136.93	135.70	134.48	133.25	132.03	130.81	129.59
180.0	139.38	138.16	136.93	135.70	134.48	133.25	132.03	130.81	129.59
202.5	139.38	138.16	136.93	135.70	134.48	133.25	132.03	130.81	129.59
225.0	139.38	138.16	136.93	135.70	134.48	133.25	132.03	130.81	129.59
247.5	139.38	138.16	136.93	135.70	134.48	133.25	132.03	130.81	129.59
270.0	139.38	138.16	136.93	135.70	134.48	133.25	132.03	130.81	129.59
292.5	139.38	138.16	136.93	135.70	134.48	133.25	132.03	130.81	129.59
315.0	139.38	138.16	136.93	135.70	134.48	133.25	132.03	130.81	129.59
337.5	139.38	138.16	136.93	135.70	134.48	133.25	132.03	130.81	129.59
360.0	139.38	138.16	136.93	135.70	134.48	133.25	132.03	130.81	129.59

C/ γ (°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	128.37	127.15	125.94	124.73	123.52	122.32	121.12	119.92	118.72
22.5	128.37	127.15	125.94	124.73	123.52	122.32	121.12	119.92	118.72
45.0	128.37	127.15	125.94	124.73	123.52	122.32	121.12	119.92	118.72
67.5	128.37	127.15	125.94	124.73	123.52	122.32	121.12	119.92	118.72
90.0	128.37	127.15	125.94	124.73	123.52	122.32	121.12	119.92	118.72
112.5	128.37	127.15	125.94	124.73	123.52	122.32	121.12	119.92	118.72
135.0	128.37	127.15	125.94	124.73	123.52	122.32	121.12	119.92	118.72
157.5	128.37	127.15	125.94	124.73	123.52	122.32	121.12	119.92	118.72
180.0	128.37	127.15	125.94	124.73	123.52	122.32	121.12	119.92	118.72
202.5	128.37	127.15	125.94	124.73	123.52	122.32	121.12	119.92	118.72
225.0	128.37	127.15	125.94	124.73	123.52	122.32	121.12	119.92	118.72
247.5	128.37	127.15	125.94	124.73	123.52	122.32	121.12	119.92	118.72
270.0	128.37	127.15	125.94	124.73	123.52	122.32	121.12	119.92	118.72
292.5	128.37	127.15	125.94	124.73	123.52	122.32	121.12	119.92	118.72
315.0	128.37	127.15	125.94	124.73	123.52	122.32	121.12	119.92	118.72
337.5	128.37	127.15	125.94	124.73	123.52	122.32	121.12	119.92	118.72
360.0	128.37	127.15	125.94	124.73	123.52	122.32	121.12	119.92	118.72

C/ γ (°)	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0
0.0	117.54	116.36	115.18	114.00	112.83	111.66	110.50	109.35	108.20
22.5	117.54	116.36	115.18	114.00	112.83	111.66	110.50	109.35	108.20
45.0	117.54	116.36	115.18	114.00	112.83	111.66	110.50	109.35	108.20
67.5	117.54	116.36	115.18	114.00	112.83	111.66	110.50	109.35	108.20
90.0	117.54	116.36	115.18	114.00	112.83	111.66	110.50	109.35	108.20
112.5	117.54	116.36	115.18	114.00	112.83	111.66	110.50	109.35	108.20
135.0	117.54	116.36	115.18	114.00	112.83	111.66	110.50	109.35	108.20
157.5	117.54	116.36	115.18	114.00	112.83	111.66	110.50	109.35	108.20
180.0	117.54	116.36	115.18	114.00	112.83	111.66	110.50	109.35	108.20
202.5	117.54	116.36	115.18	114.00	112.83	111.66	110.50	109.35	108.20
225.0	117.54	116.36	115.18	114.00	112.83	111.66	110.50	109.35	108.20
247.5	117.54	116.36	115.18	114.00	112.83	111.66	110.50	109.35	108.20
270.0	117.54	116.36	115.18	114.00	112.83	111.66	110.50	109.35	108.20
292.5	117.54	116.36	115.18	114.00	112.83	111.66	110.50	109.35	108.20
315.0	117.54	116.36	115.18	114.00	112.83	111.66	110.50	109.35	108.20
337.5	117.54	116.36	115.18	114.00	112.83	111.66	110.50	109.35	108.20
360.0	117.54	116.36	115.18	114.00	112.83	111.66	110.50	109.35	108.20

Intensity data(cd)

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C/ γ (°)	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5
0.0	107.06	105.92	104.78	103.66	102.54	101.43	100.32	99.23	98.13
22.5	107.06	105.92	104.78	103.66	102.54	101.43	100.32	99.23	98.13
45.0	107.06	105.92	104.78	103.66	102.54	101.43	100.32	99.23	98.13
67.5	107.06	105.92	104.78	103.66	102.54	101.43	100.32	99.23	98.13
90.0	107.06	105.92	104.78	103.66	102.54	101.43	100.32	99.23	98.13
112.5	107.06	105.92	104.78	103.66	102.54	101.43	100.32	99.23	98.13
135.0	107.06	105.92	104.78	103.66	102.54	101.43	100.32	99.23	98.13
157.5	107.06	105.92	104.78	103.66	102.54	101.43	100.32	99.23	98.13
180.0	107.06	105.92	104.78	103.66	102.54	101.43	100.32	99.23	98.13
202.5	107.06	105.92	104.78	103.66	102.54	101.43	100.32	99.23	98.13
225.0	107.06	105.92	104.78	103.66	102.54	101.43	100.32	99.23	98.13
247.5	107.06	105.92	104.78	103.66	102.54	101.43	100.32	99.23	98.13
270.0	107.06	105.92	104.78	103.66	102.54	101.43	100.32	99.23	98.13
292.5	107.06	105.92	104.78	103.66	102.54	101.43	100.32	99.23	98.13
315.0	107.06	105.92	104.78	103.66	102.54	101.43	100.32	99.23	98.13
337.5	107.06	105.92	104.78	103.66	102.54	101.43	100.32	99.23	98.13
360.0	107.06	105.92	104.78	103.66	102.54	101.43	100.32	99.23	98.13
C/ γ (°)	99.0	99.5	100.0	100.5	101.0	101.5	102.0	102.5	103.0
0.0	97.05	95.97	94.90	93.84	92.78	91.73	90.68	89.64	88.62
22.5	97.05	95.97	94.90	93.84	92.78	91.73	90.68	89.64	88.62
45.0	97.05	95.97	94.90	93.84	92.78	91.73	90.68	89.64	88.62
67.5	97.05	95.97	94.90	93.84	92.78	91.73	90.68	89.64	88.62
90.0	97.05	95.97	94.90	93.84	92.78	91.73	90.68	89.64	88.62
112.5	97.05	95.97	94.90	93.84	92.78	91.73	90.68	89.64	88.62
135.0	97.05	95.97	94.90	93.84	92.78	91.73	90.68	89.64	88.62
157.5	97.05	95.97	94.90	93.84	92.78	91.73	90.68	89.64	88.62
180.0	97.05	95.97	94.90	93.84	92.78	91.73	90.68	89.64	88.62
202.5	97.05	95.97	94.90	93.84	92.78	91.73	90.68	89.64	88.62
225.0	97.05	95.97	94.90	93.84	92.78	91.73	90.68	89.64	88.62
247.5	97.05	95.97	94.90	93.84	92.78	91.73	90.68	89.64	88.62
270.0	97.05	95.97	94.90	93.84	92.78	91.73	90.68	89.64	88.62
292.5	97.05	95.97	94.90	93.84	92.78	91.73	90.68	89.64	88.62
315.0	97.05	95.97	94.90	93.84	92.78	91.73	90.68	89.64	88.62
337.5	97.05	95.97	94.90	93.84	92.78	91.73	90.68	89.64	88.62
360.0	97.05	95.97	94.90	93.84	92.78	91.73	90.68	89.64	88.62
C/ γ (°)	103.5	104.0	104.5	105.0	105.5	106.0	106.5	107.0	107.5
0.0	87.60	86.59	85.59	84.59	83.60	82.62	81.64	80.66	79.70
22.5	87.60	86.59	85.59	84.59	83.60	82.62	81.64	80.66	79.70
45.0	87.60	86.59	85.59	84.59	83.60	82.62	81.64	80.66	79.70
67.5	87.60	86.59	85.59	84.59	83.60	82.62	81.64	80.66	79.70
90.0	87.60	86.59	85.59	84.59	83.60	82.62	81.64	80.66	79.70
112.5	87.60	86.59	85.59	84.59	83.60	82.62	81.64	80.66	79.70
135.0	87.60	86.59	85.59	84.59	83.60	82.62	81.64	80.66	79.70
157.5	87.60	86.59	85.59	84.59	83.60	82.62	81.64	80.66	79.70
180.0	87.60	86.59	85.59	84.59	83.60	82.62	81.64	80.66	79.70
202.5	87.60	86.59	85.59	84.59	83.60	82.62	81.64	80.66	79.70
225.0	87.60	86.59	85.59	84.59	83.60	82.62	81.64	80.66	79.70
247.5	87.60	86.59	85.59	84.59	83.60	82.62	81.64	80.66	79.70
270.0	87.60	86.59	85.59	84.59	83.60	82.62	81.64	80.66	79.70
292.5	87.60	86.59	85.59	84.59	83.60	82.62	81.64	80.66	79.70
315.0	87.60	86.59	85.59	84.59	83.60	82.62	81.64	80.66	79.70
337.5	87.60	86.59	85.59	84.59	83.60	82.62	81.64	80.66	79.70
360.0	87.60	86.59	85.59	84.59	83.60	82.62	81.64	80.66	79.70

Intensity data(cd)

Appendix Page: 32 Total:37

C/γ(°)	108.0	108.5	109.0	109.5	110.0	110.5	111.0	111.5	112.0
0.0	78.74	77.80	76.86	75.93	75.00	74.09	73.18	72.28	71.38
22.5	78.74	77.80	76.86	75.93	75.00	74.09	73.18	72.28	71.38
45.0	78.74	77.80	76.86	75.93	75.00	74.09	73.18	72.28	71.38
67.5	78.74	77.80	76.86	75.93	75.00	74.09	73.18	72.28	71.38
90.0	78.74	77.80	76.86	75.93	75.00	74.09	73.18	72.28	71.38
112.5	78.74	77.80	76.86	75.93	75.00	74.09	73.18	72.28	71.38
135.0	78.74	77.80	76.86	75.93	75.00	74.09	73.18	72.28	71.38
157.5	78.74	77.80	76.86	75.93	75.00	74.09	73.18	72.28	71.38
180.0	78.74	77.80	76.86	75.93	75.00	74.09	73.18	72.28	71.38
202.5	78.74	77.80	76.86	75.93	75.00	74.09	73.18	72.28	71.38
225.0	78.74	77.80	76.86	75.93	75.00	74.09	73.18	72.28	71.38
247.5	78.74	77.80	76.86	75.93	75.00	74.09	73.18	72.28	71.38
270.0	78.74	77.80	76.86	75.93	75.00	74.09	73.18	72.28	71.38
292.5	78.74	77.80	76.86	75.93	75.00	74.09	73.18	72.28	71.38
315.0	78.74	77.80	76.86	75.93	75.00	74.09	73.18	72.28	71.38
337.5	78.74	77.80	76.86	75.93	75.00	74.09	73.18	72.28	71.38
360.0	78.74	77.80	76.86	75.93	75.00	74.09	73.18	72.28	71.38

C/γ(°)	112.5	113.0	113.5	114.0	114.5	115.0	115.5	116.0	116.5
0.0	70.49	69.61	68.74	67.88	67.02	66.17	65.32	64.48	63.66
22.5	70.49	69.61	68.74	67.88	67.02	66.17	65.32	64.48	63.66
45.0	70.49	69.61	68.74	67.88	67.02	66.17	65.32	64.48	63.66
67.5	70.49	69.61	68.74	67.88	67.02	66.17	65.32	64.48	63.66
90.0	70.49	69.61	68.74	67.88	67.02	66.17	65.32	64.48	63.66
112.5	70.49	69.61	68.74	67.88	67.02	66.17	65.32	64.48	63.66
135.0	70.49	69.61	68.74	67.88	67.02	66.17	65.32	64.48	63.66
157.5	70.49	69.61	68.74	67.88	67.02	66.17	65.32	64.48	63.66
180.0	70.49	69.61	68.74	67.88	67.02	66.17	65.32	64.48	63.66
202.5	70.49	69.61	68.74	67.88	67.02	66.17	65.32	64.48	63.66
225.0	70.49	69.61	68.74	67.88	67.02	66.17	65.32	64.48	63.66
247.5	70.49	69.61	68.74	67.88	67.02	66.17	65.32	64.48	63.66
270.0	70.49	69.61	68.74	67.88	67.02	66.17	65.32	64.48	63.66
292.5	70.49	69.61	68.74	67.88	67.02	66.17	65.32	64.48	63.66
315.0	70.49	69.61	68.74	67.88	67.02	66.17	65.32	64.48	63.66
337.5	70.49	69.61	68.74	67.88	67.02	66.17	65.32	64.48	63.66
360.0	70.49	69.61	68.74	67.88	67.02	66.17	65.32	64.48	63.66

C/γ(°)	117.0	117.5	118.0	118.5	119.0	119.5	120.0	120.5	121.0
0.0	62.84	62.02	61.21	60.42	59.63	58.84	58.06	57.29	56.52
22.5	62.84	62.02	61.21	60.42	59.63	58.84	58.06	57.29	56.52
45.0	62.84	62.02	61.21	60.42	59.63	58.84	58.06	57.29	56.52
67.5	62.84	62.02	61.21	60.42	59.63	58.84	58.06	57.29	56.52
90.0	62.84	62.02	61.21	60.42	59.63	58.84	58.06	57.29	56.52
112.5	62.84	62.02	61.21	60.42	59.63	58.84	58.06	57.29	56.52
135.0	62.84	62.02	61.21	60.42	59.63	58.84	58.06	57.29	56.52
157.5	62.84	62.02	61.21	60.42	59.63	58.84	58.06	57.29	56.52
180.0	62.84	62.02	61.21	60.42	59.63	58.84	58.06	57.29	56.52
202.5	62.84	62.02	61.21	60.42	59.63	58.84	58.06	57.29	56.52
225.0	62.84	62.02	61.21	60.42	59.63	58.84	58.06	57.29	56.52
247.5	62.84	62.02	61.21	60.42	59.63	58.84	58.06	57.29	56.52
270.0	62.84	62.02	61.21	60.42	59.63	58.84	58.06	57.29	56.52
292.5	62.84	62.02	61.21	60.42	59.63	58.84	58.06	57.29	56.52
315.0	62.84	62.02	61.21	60.42	59.63	58.84	58.06	57.29	56.52
337.5	62.84	62.02	61.21	60.42	59.63	58.84	58.06	57.29	56.52
360.0	62.84	62.02	61.21	60.42	59.63	58.84	58.06	57.29	56.52

C/ γ (°)	121.5	122.0	122.5	123.0	123.5	124.0	124.5	125.0	125.5
0.0	55.77	55.02	54.27	53.53	52.80	52.07	51.36	50.65	49.94
22.5	55.77	55.02	54.27	53.53	52.80	52.07	51.36	50.65	49.94
45.0	55.77	55.02	54.27	53.53	52.80	52.07	51.36	50.65	49.94
67.5	55.77	55.02	54.27	53.53	52.80	52.07	51.36	50.65	49.94
90.0	55.77	55.02	54.27	53.53	52.80	52.07	51.36	50.65	49.94
112.5	55.77	55.02	54.27	53.53	52.80	52.07	51.36	50.65	49.94
135.0	55.77	55.02	54.27	53.53	52.80	52.07	51.36	50.65	49.94
157.5	55.77	55.02	54.27	53.53	52.80	52.07	51.36	50.65	49.94
180.0	55.77	55.02	54.27	53.53	52.80	52.07	51.36	50.65	49.94
202.5	55.77	55.02	54.27	53.53	52.80	52.07	51.36	50.65	49.94
225.0	55.77	55.02	54.27	53.53	52.80	52.07	51.36	50.65	49.94
247.5	55.77	55.02	54.27	53.53	52.80	52.07	51.36	50.65	49.94
270.0	55.77	55.02	54.27	53.53	52.80	52.07	51.36	50.65	49.94
292.5	55.77	55.02	54.27	53.53	52.80	52.07	51.36	50.65	49.94
315.0	55.77	55.02	54.27	53.53	52.80	52.07	51.36	50.65	49.94
337.5	55.77	55.02	54.27	53.53	52.80	52.07	51.36	50.65	49.94
360.0	55.77	55.02	54.27	53.53	52.80	52.07	51.36	50.65	49.94
C/ γ (°)	126.0	126.5	127.0	127.5	128.0	128.5	129.0	129.5	130.0
0.0	49.24	48.55	47.86	47.19	46.51	45.84	45.18	44.53	43.88
22.5	49.24	48.55	47.86	47.19	46.51	45.84	45.18	44.53	43.88
45.0	49.24	48.55	47.86	47.19	46.51	45.84	45.18	44.53	43.88
67.5	49.24	48.55	47.86	47.19	46.51	45.84	45.18	44.53	43.88
90.0	49.24	48.55	47.86	47.19	46.51	45.84	45.18	44.53	43.88
112.5	49.24	48.55	47.86	47.19	46.51	45.84	45.18	44.53	43.88
135.0	49.24	48.55	47.86	47.19	46.51	45.84	45.18	44.53	43.88
157.5	49.24	48.55	47.86	47.19	46.51	45.84	45.18	44.53	43.88
180.0	49.24	48.55	47.86	47.19	46.51	45.84	45.18	44.53	43.88
202.5	49.24	48.55	47.86	47.19	46.51	45.84	45.18	44.53	43.88
225.0	49.24	48.55	47.86	47.19	46.51	45.84	45.18	44.53	43.88
247.5	49.24	48.55	47.86	47.19	46.51	45.84	45.18	44.53	43.88
270.0	49.24	48.55	47.86	47.19	46.51	45.84	45.18	44.53	43.88
292.5	49.24	48.55	47.86	47.19	46.51	45.84	45.18	44.53	43.88
315.0	49.24	48.55	47.86	47.19	46.51	45.84	45.18	44.53	43.88
337.5	49.24	48.55	47.86	47.19	46.51	45.84	45.18	44.53	43.88
360.0	49.24	48.55	47.86	47.19	46.51	45.84	45.18	44.53	43.88
C/ γ (°)	130.5	131.0	131.5	132.0	132.5	133.0	133.5	134.0	134.5
0.0	43.24	42.60	41.97	41.34	40.73	40.11	39.50	38.90	38.31
22.5	43.24	42.60	41.97	41.34	40.73	40.11	39.50	38.90	38.31
45.0	43.24	42.60	41.97	41.34	40.73	40.11	39.50	38.90	38.31
67.5	43.24	42.60	41.97	41.34	40.73	40.11	39.50	38.90	38.31
90.0	43.24	42.60	41.97	41.34	40.73	40.11	39.50	38.90	38.31
112.5	43.24	42.60	41.97	41.34	40.73	40.11	39.50	38.90	38.31
135.0	43.24	42.60	41.97	41.34	40.73	40.11	39.50	38.90	38.31
157.5	43.24	42.60	41.97	41.34	40.73	40.11	39.50	38.90	38.31
180.0	43.24	42.60	41.97	41.34	40.73	40.11	39.50	38.90	38.31
202.5	43.24	42.60	41.97	41.34	40.73	40.11	39.50	38.90	38.31
225.0	43.24	42.60	41.97	41.34	40.73	40.11	39.50	38.90	38.31
247.5	43.24	42.60	41.97	41.34	40.73	40.11	39.50	38.90	38.31
270.0	43.24	42.60	41.97	41.34	40.73	40.11	39.50	38.90	38.31
292.5	43.24	42.60	41.97	41.34	40.73	40.11	39.50	38.90	38.31
315.0	43.24	42.60	41.97	41.34	40.73	40.11	39.50	38.90	38.31
337.5	43.24	42.60	41.97	41.34	40.73	40.11	39.50	38.90	38.31
360.0	43.24	42.60	41.97	41.34	40.73	40.11	39.50	38.90	38.31

C/ γ (°)	135.0	135.5	136.0	136.5	137.0	137.5	138.0	138.5	139.0
0.0	37.72	37.13	36.55	35.98	35.41	34.84	34.28	33.73	33.19
22.5	37.72	37.13	36.55	35.98	35.41	34.84	34.28	33.73	33.19
45.0	37.72	37.13	36.55	35.98	35.41	34.84	34.28	33.73	33.19
67.5	37.72	37.13	36.55	35.98	35.41	34.84	34.28	33.73	33.19
90.0	37.72	37.13	36.55	35.98	35.41	34.84	34.28	33.73	33.19
112.5	37.72	37.13	36.55	35.98	35.41	34.84	34.28	33.73	33.19
135.0	37.72	37.13	36.55	35.98	35.41	34.84	34.28	33.73	33.19
157.5	37.72	37.13	36.55	35.98	35.41	34.84	34.28	33.73	33.19
180.0	37.72	37.13	36.55	35.98	35.41	34.84	34.28	33.73	33.19
202.5	37.72	37.13	36.55	35.98	35.41	34.84	34.28	33.73	33.19
225.0	37.72	37.13	36.55	35.98	35.41	34.84	34.28	33.73	33.19
247.5	37.72	37.13	36.55	35.98	35.41	34.84	34.28	33.73	33.19
270.0	37.72	37.13	36.55	35.98	35.41	34.84	34.28	33.73	33.19
292.5	37.72	37.13	36.55	35.98	35.41	34.84	34.28	33.73	33.19
315.0	37.72	37.13	36.55	35.98	35.41	34.84	34.28	33.73	33.19
337.5	37.72	37.13	36.55	35.98	35.41	34.84	34.28	33.73	33.19
360.0	37.72	37.13	36.55	35.98	35.41	34.84	34.28	33.73	33.19
C/ γ (°)	139.5	140.0	140.5	141.0	141.5	142.0	142.5	143.0	143.5
0.0	32.68	32.16	31.62	31.09	30.55	30.03	29.53	29.03	28.53
22.5	32.68	32.16	31.62	31.09	30.55	30.03	29.53	29.03	28.53
45.0	32.68	32.16	31.62	31.09	30.55	30.03	29.53	29.03	28.53
67.5	32.68	32.16	31.62	31.09	30.55	30.03	29.53	29.03	28.53
90.0	32.68	32.16	31.62	31.09	30.55	30.03	29.53	29.03	28.53
112.5	32.68	32.16	31.62	31.09	30.55	30.03	29.53	29.03	28.53
135.0	32.68	32.16	31.62	31.09	30.55	30.03	29.53	29.03	28.53
157.5	32.68	32.16	31.62	31.09	30.55	30.03	29.53	29.03	28.53
180.0	32.68	32.16	31.62	31.09	30.55	30.03	29.53	29.03	28.53
202.5	32.68	32.16	31.62	31.09	30.55	30.03	29.53	29.03	28.53
225.0	32.68	32.16	31.62	31.09	30.55	30.03	29.53	29.03	28.53
247.5	32.68	32.16	31.62	31.09	30.55	30.03	29.53	29.03	28.53
270.0	32.68	32.16	31.62	31.09	30.55	30.03	29.53	29.03	28.53
292.5	32.68	32.16	31.62	31.09	30.55	30.03	29.53	29.03	28.53
315.0	32.68	32.16	31.62	31.09	30.55	30.03	29.53	29.03	28.53
337.5	32.68	32.16	31.62	31.09	30.55	30.03	29.53	29.03	28.53
360.0	32.68	32.16	31.62	31.09	30.55	30.03	29.53	29.03	28.53
C/ γ (°)	144.0	144.5	145.0	145.5	146.0	146.5	147.0	147.5	148.0
0.0	28.03	27.55	27.07	26.60	26.12	25.66	25.20	24.75	24.30
22.5	28.03	27.55	27.07	26.60	26.12	25.66	25.20	24.75	24.30
45.0	28.03	27.55	27.07	26.60	26.12	25.66	25.20	24.75	24.30
67.5	28.03	27.55	27.07	26.60	26.12	25.66	25.20	24.75	24.30
90.0	28.03	27.55	27.07	26.60	26.12	25.66	25.20	24.75	24.30
112.5	28.03	27.55	27.07	26.60	26.12	25.66	25.20	24.75	24.30
135.0	28.03	27.55	27.07	26.60	26.12	25.66	25.20	24.75	24.30
157.5	28.03	27.55	27.07	26.60	26.12	25.66	25.20	24.75	24.30
180.0	28.03	27.55	27.07	26.60	26.12	25.66	25.20	24.75	24.30
202.5	28.03	27.55	27.07	26.60	26.12	25.66	25.20	24.75	24.30
225.0	28.03	27.55	27.07	26.60	26.12	25.66	25.20	24.75	24.30
247.5	28.03	27.55	27.07	26.60	26.12	25.66	25.20	24.75	24.30
270.0	28.03	27.55	27.07	26.60	26.12	25.66	25.20	24.75	24.30
292.5	28.03	27.55	27.07	26.60	26.12	25.66	25.20	24.75	24.30
315.0	28.03	27.55	27.07	26.60	26.12	25.66	25.20	24.75	24.30
337.5	28.03	27.55	27.07	26.60	26.12	25.66	25.20	24.75	24.30
360.0	28.03	27.55	27.07	26.60	26.12	25.66	25.20	24.75	24.30

Intensity data(cd)

Appendix Page: 35 Total:37

C/ γ (°)	148.5	149.0	149.5	150.0	150.5	151.0	151.5	152.0	152.5
0.0	23.86	23.41	22.98	22.55	22.13	21.71	21.29	20.88	20.47
22.5	23.86	23.41	22.98	22.55	22.13	21.71	21.29	20.88	20.47
45.0	23.86	23.41	22.98	22.55	22.13	21.71	21.29	20.88	20.47
67.5	23.86	23.41	22.98	22.55	22.13	21.71	21.29	20.88	20.47
90.0	23.86	23.41	22.98	22.55	22.13	21.71	21.29	20.88	20.47
112.5	23.86	23.41	22.98	22.55	22.13	21.71	21.29	20.88	20.47
135.0	23.86	23.41	22.98	22.55	22.13	21.71	21.29	20.88	20.47
157.5	23.86	23.41	22.98	22.55	22.13	21.71	21.29	20.88	20.47
180.0	23.86	23.41	22.98	22.55	22.13	21.71	21.29	20.88	20.47
202.5	23.86	23.41	22.98	22.55	22.13	21.71	21.29	20.88	20.47
225.0	23.86	23.41	22.98	22.55	22.13	21.71	21.29	20.88	20.47
247.5	23.86	23.41	22.98	22.55	22.13	21.71	21.29	20.88	20.47
270.0	23.86	23.41	22.98	22.55	22.13	21.71	21.29	20.88	20.47
292.5	23.86	23.41	22.98	22.55	22.13	21.71	21.29	20.88	20.47
315.0	23.86	23.41	22.98	22.55	22.13	21.71	21.29	20.88	20.47
337.5	23.86	23.41	22.98	22.55	22.13	21.71	21.29	20.88	20.47
360.0	23.86	23.41	22.98	22.55	22.13	21.71	21.29	20.88	20.47
C/ γ (°)	153.0	153.5	154.0	154.5	155.0	155.5	156.0	156.5	157.0
0.0	20.07	19.67	19.28	18.88	18.50	18.11	17.73	17.35	16.97
22.5	20.07	19.67	19.28	18.88	18.50	18.11	17.73	17.35	16.97
45.0	20.07	19.67	19.28	18.88	18.50	18.11	17.73	17.35	16.97
67.5	20.07	19.67	19.28	18.88	18.50	18.11	17.73	17.35	16.97
90.0	20.07	19.67	19.28	18.88	18.50	18.11	17.73	17.35	16.97
112.5	20.07	19.67	19.28	18.88	18.50	18.11	17.73	17.35	16.97
135.0	20.07	19.67	19.28	18.88	18.50	18.11	17.73	17.35	16.97
157.5	20.07	19.67	19.28	18.88	18.50	18.11	17.73	17.35	16.97
180.0	20.07	19.67	19.28	18.88	18.50	18.11	17.73	17.35	16.97
202.5	20.07	19.67	19.28	18.88	18.50	18.11	17.73	17.35	16.97
225.0	20.07	19.67	19.28	18.88	18.50	18.11	17.73	17.35	16.97
247.5	20.07	19.67	19.28	18.88	18.50	18.11	17.73	17.35	16.97
270.0	20.07	19.67	19.28	18.88	18.50	18.11	17.73	17.35	16.97
292.5	20.07	19.67	19.28	18.88	18.50	18.11	17.73	17.35	16.97
315.0	20.07	19.67	19.28	18.88	18.50	18.11	17.73	17.35	16.97
337.5	20.07	19.67	19.28	18.88	18.50	18.11	17.73	17.35	16.97
360.0	20.07	19.67	19.28	18.88	18.50	18.11	17.73	17.35	16.97
C/ γ (°)	157.5	158.0	158.5	159.0	159.5	160.0	160.5	161.0	161.5
0.0	16.59	16.22	15.85	15.48	15.11	14.75	14.38	14.01	13.64
22.5	16.59	16.22	15.85	15.48	15.11	14.75	14.38	14.01	13.64
45.0	16.59	16.22	15.85	15.48	15.11	14.75	14.38	14.01	13.64
67.5	16.59	16.22	15.85	15.48	15.11	14.75	14.38	14.01	13.64
90.0	16.59	16.22	15.85	15.48	15.11	14.75	14.38	14.01	13.64
112.5	16.59	16.22	15.85	15.48	15.11	14.75	14.38	14.01	13.64
135.0	16.59	16.22	15.85	15.48	15.11	14.75	14.38	14.01	13.64
157.5	16.59	16.22	15.85	15.48	15.11	14.75	14.38	14.01	13.64
180.0	16.59	16.22	15.85	15.48	15.11	14.75	14.38	14.01	13.64
202.5	16.59	16.22	15.85	15.48	15.11	14.75	14.38	14.01	13.64
225.0	16.59	16.22	15.85	15.48	15.11	14.75	14.38	14.01	13.64
247.5	16.59	16.22	15.85	15.48	15.11	14.75	14.38	14.01	13.64
270.0	16.59	16.22	15.85	15.48	15.11	14.75	14.38	14.01	13.64
292.5	16.59	16.22	15.85	15.48	15.11	14.75	14.38	14.01	13.64
315.0	16.59	16.22	15.85	15.48	15.11	14.75	14.38	14.01	13.64
337.5	16.59	16.22	15.85	15.48	15.11	14.75	14.38	14.01	13.64
360.0	16.59	16.22	15.85	15.48	15.11	14.75	14.38	14.01	13.64

C/γ(°)	162.0	162.5	163.0	163.5	164.0	164.5	165.0	165.5	166.0
0.0	13.27	12.90	12.52	12.14	11.75	11.36	10.97	10.56	10.15
22.5	13.27	12.90	12.52	12.14	11.75	11.36	10.97	10.56	10.15
45.0	13.27	12.90	12.52	12.14	11.75	11.36	10.97	10.56	10.15
67.5	13.27	12.90	12.52	12.14	11.75	11.36	10.97	10.56	10.15
90.0	13.27	12.90	12.52	12.14	11.75	11.36	10.97	10.56	10.15
112.5	13.27	12.90	12.52	12.14	11.75	11.36	10.97	10.56	10.15
135.0	13.27	12.90	12.52	12.14	11.75	11.36	10.97	10.56	10.15
157.5	13.27	12.90	12.52	12.14	11.75	11.36	10.97	10.56	10.15
180.0	13.27	12.90	12.52	12.14	11.75	11.36	10.97	10.56	10.15
202.5	13.27	12.90	12.52	12.14	11.75	11.36	10.97	10.56	10.15
225.0	13.27	12.90	12.52	12.14	11.75	11.36	10.97	10.56	10.15
247.5	13.27	12.90	12.52	12.14	11.75	11.36	10.97	10.56	10.15
270.0	13.27	12.90	12.52	12.14	11.75	11.36	10.97	10.56	10.15
292.5	13.27	12.90	12.52	12.14	11.75	11.36	10.97	10.56	10.15
315.0	13.27	12.90	12.52	12.14	11.75	11.36	10.97	10.56	10.15
337.5	13.27	12.90	12.52	12.14	11.75	11.36	10.97	10.56	10.15
360.0	13.27	12.90	12.52	12.14	11.75	11.36	10.97	10.56	10.15
C/γ(°)	166.5	167.0	167.5	168.0	168.5	169.0	169.5	170.0	170.5
0.0	9.73	9.30	8.86	8.40	7.93	7.44	6.93	6.36	5.74
22.5	9.73	9.30	8.86	8.40	7.93	7.44	6.93	6.36	5.74
45.0	9.73	9.30	8.86	8.40	7.93	7.44	6.93	6.36	5.74
67.5	9.73	9.30	8.86	8.40	7.93	7.44	6.93	6.36	5.74
90.0	9.73	9.30	8.86	8.40	7.93	7.44	6.93	6.36	5.74
112.5	9.73	9.30	8.86	8.40	7.93	7.44	6.93	6.36	5.74
135.0	9.73	9.30	8.86	8.40	7.93	7.44	6.93	6.36	5.74
157.5	9.73	9.30	8.86	8.40	7.93	7.44	6.93	6.36	5.74
180.0	9.73	9.30	8.86	8.40	7.93	7.44	6.93	6.36	5.74
202.5	9.73	9.30	8.86	8.40	7.93	7.44	6.93	6.36	5.74
225.0	9.73	9.30	8.86	8.40	7.93	7.44	6.93	6.36	5.74
247.5	9.73	9.30	8.86	8.40	7.93	7.44	6.93	6.36	5.74
270.0	9.73	9.30	8.86	8.40	7.93	7.44	6.93	6.36	5.74
292.5	9.73	9.30	8.86	8.40	7.93	7.44	6.93	6.36	5.74
315.0	9.73	9.30	8.86	8.40	7.93	7.44	6.93	6.36	5.74
337.5	9.73	9.30	8.86	8.40	7.93	7.44	6.93	6.36	5.74
360.0	9.73	9.30	8.86	8.40	7.93	7.44	6.93	6.36	5.74
C/γ(°)	171.0	171.5	172.0	172.5	173.0	173.5	174.0	174.5	175.0
0.0	5.04	4.34	3.70	3.11	2.54	1.99	1.51	1.16	0.88
22.5	5.04	4.34	3.70	3.11	2.54	1.99	1.51	1.16	0.88
45.0	5.04	4.34	3.70	3.11	2.54	1.99	1.51	1.16	0.88
67.5	5.04	4.34	3.70	3.11	2.54	1.99	1.51	1.16	0.88
90.0	5.04	4.34	3.70	3.11	2.54	1.99	1.51	1.16	0.88
112.5	5.04	4.34	3.70	3.11	2.54	1.99	1.51	1.16	0.88
135.0	5.04	4.34	3.70	3.11	2.54	1.99	1.51	1.16	0.88
157.5	5.04	4.34	3.70	3.11	2.54	1.99	1.51	1.16	0.88
180.0	5.04	4.34	3.70	3.11	2.54	1.99	1.51	1.16	0.88
202.5	5.04	4.34	3.70	3.11	2.54	1.99	1.51	1.16	0.88
225.0	5.04	4.34	3.70	3.11	2.54	1.99	1.51	1.16	0.88
247.5	5.04	4.34	3.70	3.11	2.54	1.99	1.51	1.16	0.88
270.0	5.04	4.34	3.70	3.11	2.54	1.99	1.51	1.16	0.88
292.5	5.04	4.34	3.70	3.11	2.54	1.99	1.51	1.16	0.88
315.0	5.04	4.34	3.70	3.11	2.54	1.99	1.51	1.16	0.88
337.5	5.04	4.34	3.70	3.11	2.54	1.99	1.51	1.16	0.88
360.0	5.04	4.34	3.70	3.11	2.54	1.99	1.51	1.16	0.88

Intensity data(cd)									Appendix Page: 37 Total:37		
C/ γ (°)	175.5	176.0	176.5	177.0	177.5	178.0	178.5	179.0	179.5		
0.0	0.62	0.44	0.36	0.35	0.35	0.36	0.36	0.36	0.36		
22.5	0.62	0.44	0.36	0.35	0.35	0.36	0.36	0.36	0.36		
45.0	0.62	0.44	0.36	0.35	0.35	0.36	0.36	0.36	0.36		
67.5	0.62	0.44	0.36	0.35	0.35	0.36	0.36	0.36	0.36		
90.0	0.62	0.44	0.36	0.35	0.35	0.36	0.36	0.36	0.36		
112.5	0.62	0.44	0.36	0.35	0.35	0.36	0.36	0.36	0.36		
135.0	0.62	0.44	0.36	0.35	0.35	0.36	0.36	0.36	0.36		
157.5	0.62	0.44	0.36	0.35	0.35	0.36	0.36	0.36	0.36		
180.0	0.62	0.44	0.36	0.35	0.35	0.36	0.36	0.36	0.36		
202.5	0.62	0.44	0.36	0.35	0.35	0.36	0.36	0.36	0.36		
225.0	0.62	0.44	0.36	0.35	0.35	0.36	0.36	0.36	0.36		
247.5	0.62	0.44	0.36	0.35	0.35	0.36	0.36	0.36	0.36		
270.0	0.62	0.44	0.36	0.35	0.35	0.36	0.36	0.36	0.36		
292.5	0.62	0.44	0.36	0.35	0.35	0.36	0.36	0.36	0.36		
315.0	0.62	0.44	0.36	0.35	0.35	0.36	0.36	0.36	0.36		
337.5	0.62	0.44	0.36	0.35	0.35	0.36	0.36	0.36	0.36		
360.0	0.62	0.44	0.36	0.35	0.35	0.36	0.36	0.36	0.36		
C/ γ (°)	180.0										
0.0	0.36										
22.5	0.36										
45.0	0.36										
67.5	0.36										
90.0	0.36										
112.5	0.36										
135.0	0.36										
157.5	0.36										
180.0	0.36										
202.5	0.36										
225.0	0.36										
247.5	0.36										
270.0	0.36										
292.5	0.36										
315.0	0.36										
337.5	0.36										
360.0	0.36										