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Client:

LumCAT: MXL2003 22W

Luminaire:

Report No: WH19035068P-1

Voltage(V): 120.0100

Test No: WH19035068P-1

Current(A): 0.1770

LampCAT:

Power (W): 21.1000

Lamp flux(lm)

PF: 0.9933

Number of Lamps: 0

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

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### Photometric Results

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Lumens(lm): 2265.68, , Luminous Efficacy(lm/W): 107.38

Central intensity(cd): 307.603, Maximum intensity(cd): 806.712

Angle of maximum intensity: C=0.0  $\gamma$ =65.0

Beam Angle(50%Imax): [C0/180]Total=99.5

[C90/270]Total=108.1

Field angle(10%Imax): [C0/180]Total=170.3

[C90/270]Total=155.8

Beam angle of C0 plane : 189.49

Average BeamAngle(IEC 61341):104.11

Maximum s/h(1/2): C0\_180=0.42 C90\_270=1.25

Maximum s/h(1/4): C0\_180=0.51 C90\_270=1.36

Up flux rate of LUM(%): 24.37%

Down flux rate of LUM(%): 75.63%

CIE Type : Semidirect lighting

Output flux ratio in  $\pi$  solid angle : 40.629%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	302.730	0.000	0	.000%	.000%
1.0	301.601	0.289	0.289	.013%	.013%
2.0	301.539	0.866	1.155	.038%	.051%
3.0	301.174	1.441	2.596	.064%	.115%
4.0	301.334	2.017	4.613	.089%	.204%
5.0	301.539	2.594	7.207	.114%	.318%
6.0	301.236	3.168	10.374	.140%	.458%
7.0	301.290	3.740	14.114	.165%	.623%
8.0	301.210	4.312	18.426	.190%	.813%
9.0	301.103	4.881	23.308	.215%	1.029%
10.0	300.525	5.445	28.752	.240%	1.269%
11.0	300.703	6.008	34.76	.265%	1.534%
12.0	301.388	6.582	41.341	.290%	1.825%
13.0	300.872	7.147	48.489	.315%	2.140%
14.0	300.658	7.700	56.188	.340%	2.480%
15.0	300.569	8.254	64.442	.364%	2.844%
16.0	300.303	8.804	73.247	.389%	3.233%
17.0	299.983	9.348	82.595	.413%	3.645%
18.0	300.525	9.901	92.496	.437%	4.082%
19.0	300.169	10.451	102.947	.461%	4.544%
20.0	299.760	10.980	113.927	.485%	5.028%
21.0	299.636	11.510	125.437	.508%	5.536%
22.0	300.089	12.052	137.488	.532%	6.068%
23.0	299.040	12.571	150.06	.555%	6.623%
24.0	299.040	13.076	163.136	.577%	7.200%
25.0	298.853	13.595	176.731	.600%	7.800%
26.0	298.471	14.100	190.83	.622%	8.423%
27.0	298.827	14.613	205.444	.645%	9.068%
28.0	298.346	15.119	220.563	.667%	9.735%
29.0	297.617	15.592	236.155	.688%	10.423%
30.0	297.866	16.078	252.233	.710%	11.133%
31.0	297.261	16.562	268.794	.731%	11.864%
32.0	296.639	17.015	285.809	.751%	12.615%
33.0	296.924	17.487	303.295	.772%	13.386%
34.0	296.292	17.952	321.248	.792%	14.179%
35.0	295.892	18.391	339.639	.812%	14.991%
36.0	295.732	18.837	358.476	.831%	15.822%
37.0	294.958	19.265	377.741	.850%	16.672%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	294.612	19.679	397.42	.869%	17.541%
39.0	294.291	20.101	417.521	.887%	18.428%
40.0	293.891	20.514	438.035	.905%	19.333%
41.0	293.402	20.913	458.948	.923%	20.257%
42.0	293.038	21.306	480.255	.940%	21.197%
43.0	292.700	21.697	501.952	.958%	22.155%
44.0	292.202	22.076	524.028	.974%	23.129%
45.0	292.264	22.462	546.49	.991%	24.120%
46.0	291.597	22.834	569.323	1.008%	25.128%
47.0	291.037	23.173	592.496	1.023%	26.151%
48.0	290.815	23.521	616.017	1.038%	27.189%
49.0	290.299	23.864	639.881	1.053%	28.242%
50.0	289.712	24.183	664.064	1.067%	29.310%
51.0	289.045	24.486	688.55	1.081%	30.390%
52.0	288.342	24.776	713.326	1.094%	31.484%
53.0	287.684	25.057	738.383	1.106%	32.590%
54.0	287.142	25.336	763.719	1.118%	33.708%
55.0	286.173	25.592	789.311	1.130%	34.838%
56.0	285.337	25.825	815.136	1.140%	35.978%
57.0	284.465	26.053	841.189	1.150%	37.127%
58.0	283.372	26.259	867.448	1.159%	38.286%
59.0	282.331	26.447	893.895	1.167%	39.454%
60.0	281.184	26.622	920.517	1.175%	40.629%
61.0	280.019	26.782	947.299	1.182%	41.811%
62.0	278.668	26.921	974.22	1.188%	42.999%
63.0	277.316	27.040	1001.26	1.193%	44.192%
64.0	275.920	27.147	1028.407	1.198%	45.391%
65.0	274.488	27.239	1055.646	1.202%	46.593%
66.0	272.985	27.315	1082.962	1.206%	47.798%
67.0	271.394	27.373	1110.335	1.208%	49.007%
68.0	269.669	27.408	1137.743	1.210%	50.216%
69.0	268.184	27.439	1165.182	1.211%	51.427%
70.0	266.325	27.451	1192.633	1.212%	52.639%
71.0	264.351	27.428	1220.061	1.211%	53.850%
72.0	262.421	27.391	1247.452	1.209%	55.059%
73.0	260.341	27.337	1274.789	1.207%	56.265%
74.0	258.029	27.252	1302.04	1.203%	57.468%
75.0	255.921	27.155	1329.196	1.199%	58.666%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	253.609	27.048	1356.244	1.194%	59.860%
77.0	251.217	26.915	1383.159	1.188%	61.048%
78.0	248.727	26.762	1409.921	1.181%	62.229%
79.0	246.220	26.593	1436.514	1.174%	63.403%
80.0	243.721	26.414	1462.928	1.166%	64.569%
81.0	241.026	26.214	1489.143	1.157%	65.726%
82.0	238.394	25.998	1515.141	1.147%	66.873%
83.0	235.549	25.764	1540.905	1.137%	68.011%
84.0	232.783	25.514	1566.419	1.126%	69.137%
85.0	229.813	25.248	1591.666	1.114%	70.251%
86.0	226.843	24.961	1616.628	1.102%	71.353%
87.0	224.024	24.675	1641.303	1.089%	72.442%
88.0	220.939	24.374	1665.677	1.076%	73.518%
89.0	218.058	24.062	1689.739	1.062%	74.580%
90.0	215.168	23.753	1713.492	1.048%	75.628%
91.0	212.046	23.423	1736.916	1.034%	76.662%
92.0	209.201	23.089	1760.005	1.019%	77.681%
93.0	206.026	22.745	1782.75	1.004%	78.685%
94.0	202.460	22.356	1805.106	.987%	79.672%
95.0	198.592	21.922	1827.028	.968%	80.639%
96.0	192.990	21.372	1848.4	.943%	81.583%
97.0	187.539	20.730	1869.13	.915%	82.497%
98.0	182.159	20.097	1889.228	.887%	83.385%
99.0	175.117	19.374	1908.602	.855%	84.240%
100.0	167.798	18.544	1927.146	.818%	85.058%
101.0	159.928	17.668	1944.815	.780%	85.838%
102.0	149.587	16.630	1961.445	.734%	86.572%
103.0	140.703	15.539	1976.985	.686%	87.258%
104.0	130.539	14.461	1991.446	.638%	87.896%
105.0	120.544	13.329	2004.774	.588%	88.484%
106.0	112.177	12.296	2017.071	.543%	89.027%
107.0	102.466	11.284	2028.355	.498%	89.525%
108.0	93.521	10.249	2038.604	.452%	89.977%
109.0	88.159	9.447	2048.05	.417%	90.394%
110.0	85.242	8.962	2057.013	.396%	90.790%
111.0	82.592	8.620	2065.632	.380%	91.170%
112.0	82.138	8.404	2074.036	.371%	91.541%
113.0	80.938	8.261	2082.297	.365%	91.906%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	79.480	8.066	2090.363	.356%	92.262%
115.0	79.693	7.942	2098.305	.351%	92.613%
116.0	80.102	7.908	2106.213	.349%	92.962%
117.0	82.183	7.963	2114.176	.351%	93.313%
118.0	83.650	8.065	2122.242	.356%	93.669%
119.0	85.500	8.151	2130.392	.360%	94.029%
120.0	87.607	8.261	2138.653	.365%	94.393%
121.0	87.883	8.291	2146.944	.366%	94.759%
122.0	87.332	8.191	2155.135	.362%	95.121%
123.0	85.802	8.006	2163.142	.353%	95.474%
124.0	82.601	7.700	2170.841	.340%	95.814%
125.0	78.919	7.299	2178.14	.322%	96.136%
126.0	75.514	6.894	2185.034	.304%	96.440%
127.0	72.375	6.518	2191.552	.288%	96.728%
128.0	69.084	6.153	2197.705	.272%	97.000%
129.0	66.168	5.804	2203.509	.256%	97.256%
130.0	63.313	5.478	2208.987	.242%	97.498%
131.0	60.423	5.159	2214.146	.228%	97.725%
132.0	57.685	4.850	2218.997	.214%	97.939%
133.0	55.043	4.557	2223.554	.201%	98.141%
134.0	52.305	4.270	2227.823	.188%	98.329%
135.0	49.130	3.967	2231.79	.175%	98.504%
136.0	46.640	3.681	2235.471	.162%	98.667%
137.0	43.839	3.415	2238.886	.151%	98.817%
138.0	41.038	3.144	2242.03	.139%	98.956%
139.0	38.361	2.885	2244.914	.127%	99.083%
140.0	35.658	2.636	2247.55	.116%	99.200%
141.0	32.786	2.387	2249.937	.105%	99.305%
142.0	30.527	2.161	2252.098	.095%	99.400%
143.0	27.735	1.945	2254.043	.086%	99.486%
144.0	24.561	1.706	2255.749	.075%	99.562%
145.0	22.453	1.497	2257.246	.066%	99.628%
146.0	19.581	1.305	2258.551	.058%	99.685%
147.0	17.162	1.112	2259.663	.049%	99.734%
148.0	15.250	0.955	2260.618	.042%	99.776%
149.0	12.983	0.809	2261.427	.036%	99.812%
150.0	10.760	0.661	2262.087	.029%	99.841%
151.0	9.177	0.538	2262.626	.024%	99.865%

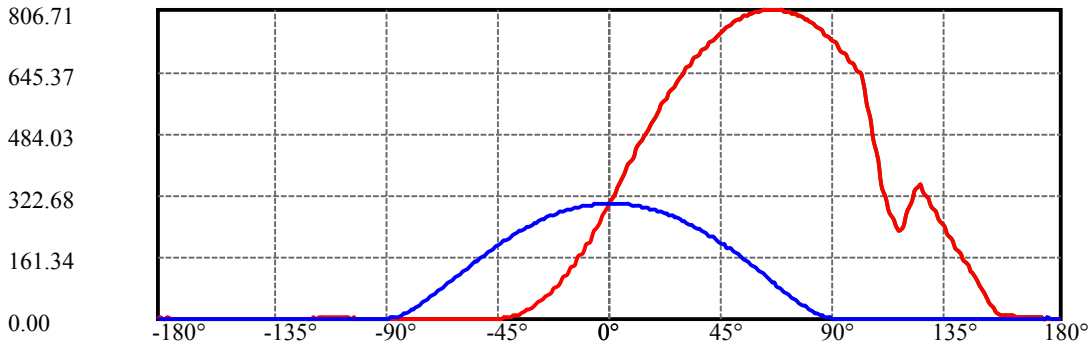
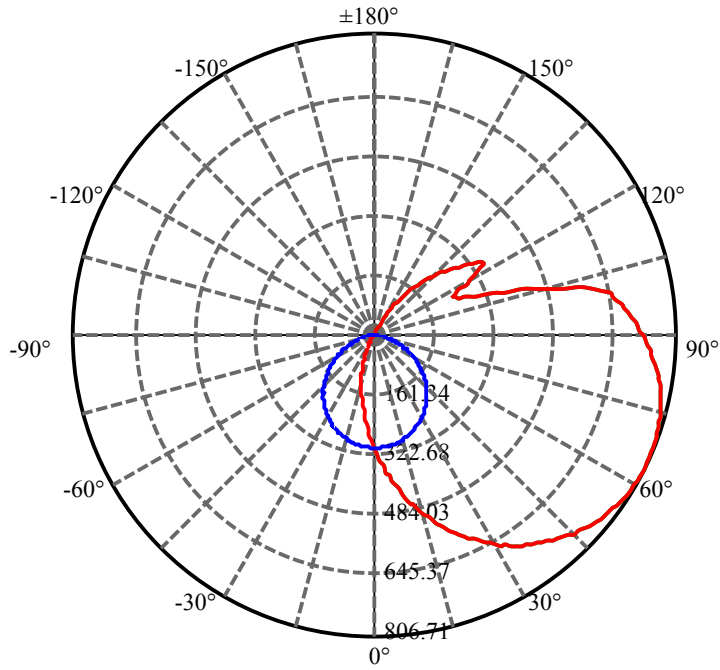
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	7.292	0.431	2263.057	.019%	99.884%
153.0	5.896	0.334	2263.39	.015%	99.899%
154.0	5.122	0.270	2263.66	.012%	99.911%
155.0	4.339	0.223	2263.883	.010%	99.921%
156.0	3.975	0.189	2264.072	.008%	99.929%
157.0	3.779	0.170	2264.242	.007%	99.936%
158.0	3.601	0.155	2264.397	.007%	99.943%
159.0	3.406	0.141	2264.538	.006%	99.949%
160.0	3.272	0.128	2264.666	.006%	99.955%
161.0	3.121	0.117	2264.783	.005%	99.960%
162.0	3.032	0.107	2264.89	.005%	99.965%
163.0	2.926	0.098	2264.988	.004%	99.969%
164.0	2.828	0.090	2265.078	.004%	99.973%
165.0	2.774	0.082	2265.16	.004%	99.977%
166.0	2.641	0.074	2265.234	.003%	99.980%
167.0	2.570	0.067	2265.301	.003%	99.983%
168.0	2.454	0.060	2265.36	.003%	99.986%
169.0	2.410	0.053	2265.414	.002%	99.988%
170.0	2.348	0.048	2265.461	.002%	99.990%
171.0	2.348	0.042	2265.504	.002%	99.992%
172.0	2.276	0.037	2265.541	.002%	99.994%
173.0	2.312	0.033	2265.574	.001%	99.995%
174.0	2.276	0.028	2265.602	.001%	99.996%
175.0	2.303	0.024	2265.626	.001%	99.998%
176.0	2.330	0.020	2265.646	.001%	99.998%
177.0	2.294	0.015	2265.662	.001%	99.999%
178.0	2.330	0.011	2265.673	.000%	100.000%
179.0	2.348	0.007	2265.68	.000%	100.000%
180.0	2.294	0.002	2265.682	.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	252.23	11.13%
0-40	438.03	19.33%
0-60	920.52	40.63%
0-90	1713.49	75.63%
0-120	2138.65	94.39%
0-180	2265.68	100.00%
60-90	819.60	36.17%
90-120	448.91	19.81%
90-130	519.25	22.92%
90-150	572.35	25.26%
90-180	575.94	25.42%
0-94.34	1812.55	80.00%

ZONAL LUMEN SUMMARY

0-10	28.75
10-20	85.17
20-30	138.31
30-40	185.80
40-50	226.03
50-60	256.45
60-70	272.12
70-80	270.30
80-90	250.56
90-100	213.65
100-110	129.87
110-120	81.64
120-130	70.33
130-140	38.56
140-150	14.54
150-160	2.58
160-170	0.80
170-180	0.22



C0(Max): ———

C0/C180: ———

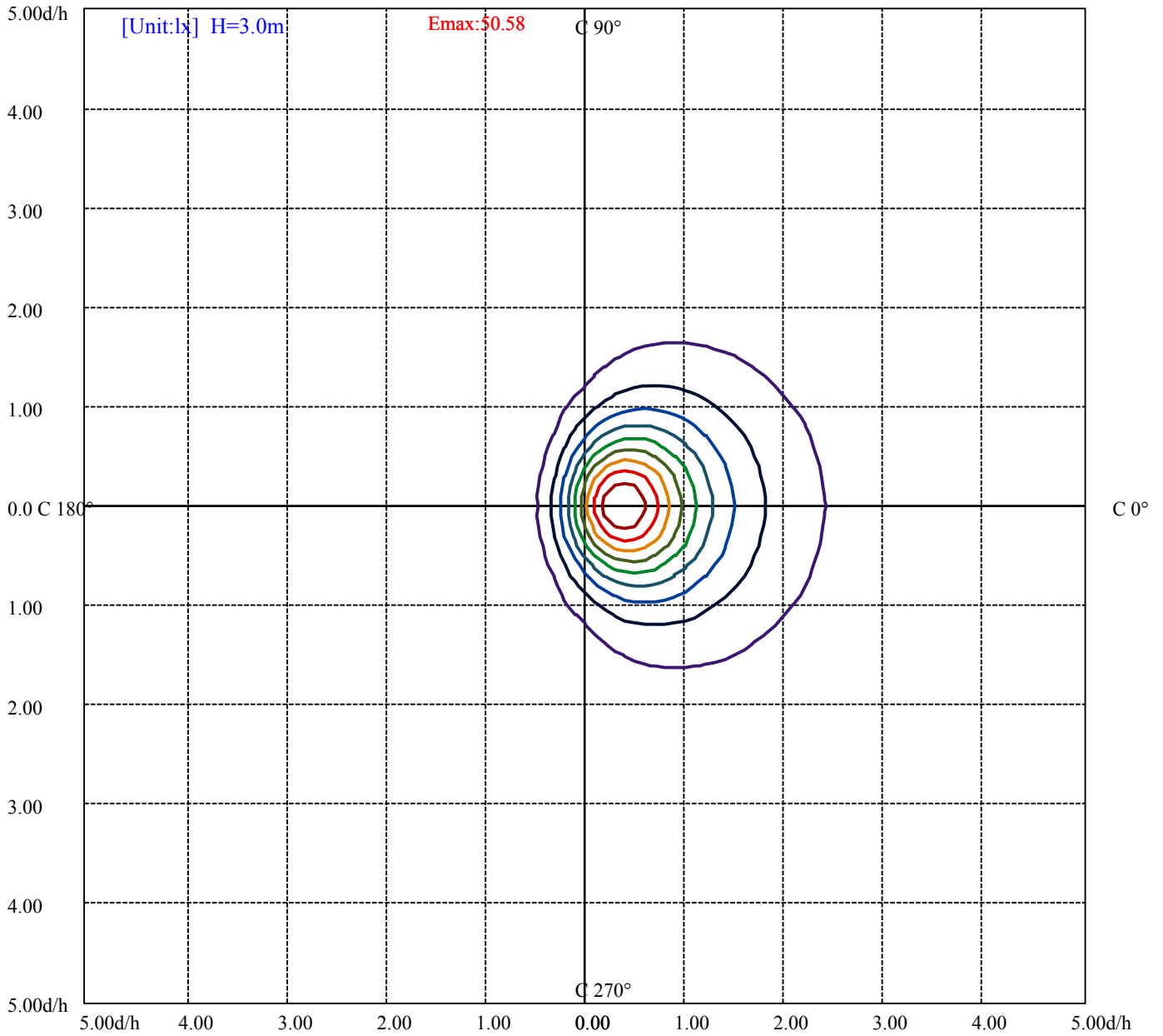
C90/C270: ———

Field angle(10%Imax):C0/180Left:86.9 Right:83.4  
:C90/270Left:79.2 Right:76.6

Beam Angle(50%Imax):C0/180Left:57.2 Right:42.3  
:C90/270Left:55.3 Right:52.8







(10%Emax) 5.057656	—
(20%Emax) 10.11532	—
(30%Emax) 15.173	—
(40%Emax) 20.23067	—
(50%Emax) 25.28833	—
(60%Emax) 30.346	—
(70%Emax) 35.40367	—
(80%Emax) 40.46122	—
(90%Emax) 45.51889	—

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	307.60	311.02	327.66	340.61	350.57	370.06	379.74	395.82	405.49
22.5	296.08	314.01	329.09	337.91	349.86	364.66	373.76	385.29	400.08
45.0	302.48	311.87	318.42	329.94	338.48	345.16	356.55	365.08	371.77
67.5	301.77	306.75	311.59	315.14	321.12	325.81	331.36	334.64	338.90
90.0	301.49	301.63	301.63	301.20	300.92	300.63	300.06	299.21	298.78
112.5	300.49	292.10	288.40	282.14	277.01	270.75	266.91	261.51	257.52
135.0	301.20	292.38	280.71	274.03	265.06	253.68	246.85	237.89	228.92
157.5	310.73	292.95	281.00	266.34	257.66	246.14	231.77	223.66	212.85
180.0	307.60	288.40	275.45	265.92	250.27	237.89	228.64	214.13	202.74
202.5	296.08	293.23	278.44	266.63	257.81	246.14	232.20	223.80	212.85
225.0	302.48	291.24	286.69	275.31	266.20	259.37	248.13	239.03	232.34
247.5	301.77	298.07	291.67	286.26	282.28	275.88	270.33	266.34	259.37
270.0	301.49	301.34	301.06	300.77	300.20	299.92	299.07	298.07	297.36
292.5	300.49	301.34	305.04	310.88	315.14	318.27	323.82	327.95	331.22
315.0	301.20	312.58	318.99	328.23	339.19	345.88	354.55	363.09	369.64
337.5	310.73	316.71	328.80	337.48	349.58	364.37	376.04	385.14	399.51
360.0	307.60	311.02	327.66	340.61	350.57	370.06	379.74	395.82	405.49
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	418.29	427.97	443.48	462.12	465.25	477.20	492.28	501.10	512.77
22.5	408.76	420.14	431.81	440.35	454.15	465.10	473.50	486.73	497.26
45.0	382.58	388.84	397.24	405.49	415.73	421.71	429.68	435.65	445.19
67.5	344.03	346.87	351.00	355.69	358.68	362.10	365.37	367.93	372.05
90.0	297.93	296.79	295.94	294.66	292.81	291.81	290.25	287.97	286.40
112.5	250.69	245.14	238.46	234.33	228.50	223.09	218.68	211.71	205.73
135.0	222.52	211.57	203.17	196.91	186.81	180.83	173.15	163.33	155.79
157.5	199.90	192.36	182.68	173.01	166.04	154.51	145.69	139.29	128.76
180.0	194.49	181.40	171.16	163.90	154.23	142.56	135.73	126.91	116.10
202.5	199.90	192.07	182.40	168.17	163.62	154.23	143.27	136.59	128.33
225.0	221.38	212.56	206.02	195.77	187.81	181.55	174.00	164.33	156.65
247.5	253.40	249.27	242.16	236.32	232.05	226.08	218.82	214.41	208.72
270.0	296.22	295.08	294.09	292.38	290.81	289.82	287.68	285.69	284.41
292.5	335.92	339.90	342.60	347.01	350.57	353.27	356.40	360.25	362.52
315.0	380.31	388.56	394.82	404.92	413.03	419.01	428.68	436.22	441.77
337.5	411.32	419.86	434.23	451.16	453.86	467.67	475.92	486.73	497.26
360.0	418.29	427.97	443.48	462.12	465.25	477.20	492.28	501.10	512.77
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	526.99	535.39	546.63	560.15	570.82	578.50	591.30	601.26	608.52
22.5	505.23	517.75	527.71	535.10	547.48	556.73	563.70	572.81	584.05
45.0	452.44	461.69	467.24	474.35	482.75	487.73	494.41	500.82	505.37
67.5	375.04	377.32	380.59	383.44	385.29	388.13	390.27	391.97	394.39
90.0	284.98	282.99	281.42	278.72	276.44	273.46	271.46	268.90	265.49
112.5	201.61	194.64	188.94	184.96	177.70	172.30	168.03	161.06	155.51
135.0	150.24	141.00	133.74	128.48	121.79	113.11	107.99	101.59	93.76
157.5	120.37	110.55	104.86	97.46	92.05	83.23	76.40	70.00	65.45
180.0	110.12	101.87	92.48	86.79	79.68	71.28	66.44	60.33	54.35
202.5	120.22	114.25	104.57	97.18	91.77	83.09	76.40	68.58	63.88
225.0	150.96	141.85	136.30	129.19	120.65	113.96	108.84	100.87	94.19
247.5	201.46	196.91	191.22	183.96	179.55	174.00	166.75	162.48	156.79
270.0	281.99	279.72	278.15	275.16	272.60	270.33	268.33	264.78	262.50
292.5	365.51	369.07	371.06	373.76	376.61	378.32	380.45	383.01	384.72
315.0	451.02	459.84	463.54	470.37	478.76	483.60	490.00	497.83	502.38
337.5	510.21	517.89	527.71	535.10	547.48	556.87	563.84	575.37	584.19
360.0	526.99	535.39	546.63	560.15	570.82	578.50	591.30	601.26	608.52

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Intensity data(cd)

Appendix Page: 12 Total:17

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	618.48	630.15	636.97	645.94	656.75	662.87	670.98	680.37	687.91
22.5	592.73	599.13	609.37	617.34	623.03	632.85	640.25	645.51	654.33
45.0	513.05	518.74	523.01	529.98	535.10	538.95	545.06	549.47	553.17
67.5	396.38	397.66	399.23	400.79	401.79	402.93	403.78	404.64	405.49
90.0	263.21	260.51	256.53	255.10	251.12	247.70	245.29	240.88	237.32
112.5	151.38	145.98	139.29	135.02	129.61	122.79	119.09	113.54	106.99
135.0	89.21	82.95	75.98	71.85	66.16	59.61	55.91	51.22	46.38
157.5	57.91	52.36	48.37	42.11	37.42	34.15	28.74	24.76	22.05
180.0	50.22	43.54	38.70	35.00	29.59	25.61	23.48	18.35	15.22
202.5	58.19	51.36	47.24	42.26	37.85	32.15	29.17	25.18	20.77
225.0	89.63	83.52	76.26	71.85	66.73	59.76	56.20	51.22	45.24
247.5	151.24	146.97	139.86	134.45	127.48	123.35	117.95	113.96	107.13
270.0	259.80	256.10	252.68	250.27	246.00	242.58	239.88	235.61	231.91
292.5	386.42	387.99	389.13	390.98	392.69	393.82	394.39	395.53	396.24
315.0	508.36	515.47	519.74	525.29	531.55	534.11	540.23	544.78	549.47
337.5	595.00	601.12	609.52	617.63	623.32	632.99	640.39	645.65	654.62
360.0	618.48	630.15	636.97	645.94	656.75	662.87	670.98	680.37	687.91
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	693.32	702.14	706.98	713.80	720.21	725.19	733.01	738.99	743.68
22.5	661.02	665.71	672.12	676.67	683.93	689.48	693.74	699.86	704.84
45.0	558.58	562.42	565.55	569.25	573.38	576.79	579.07	582.63	584.62
67.5	406.20	406.63	406.63	407.06	407.20	406.91	406.63	406.34	405.49
90.0	234.47	229.78	225.94	222.81	217.83	213.70	210.57	206.44	200.75
112.5	103.15	97.74	93.19	86.93	83.23	78.11	72.28	67.44	64.17
135.0	42.83	37.56	33.58	30.59	26.04	22.62	20.35	16.65	13.80
157.5	17.78	14.80	12.66	10.39	8.54	5.98	4.55	2.99	2.70
180.0	11.81	9.82	7.54	5.55	4.55	3.13	2.56	2.28	1.71
202.5	18.50	15.22	12.38	10.53	7.83	5.83	3.98	3.27	2.56
225.0	41.97	37.70	32.72	29.88	26.18	22.62	18.64	16.65	13.94
247.5	101.87	95.33	91.63	86.36	81.52	77.68	71.42	66.87	63.17
270.0	228.92	224.94	220.25	216.97	212.85	207.44	204.17	199.76	193.92
292.5	396.67	397.10	397.38	397.38	397.38	397.24	396.81	396.38	395.67
315.0	553.32	556.30	561.14	564.56	567.12	570.25	573.95	575.94	578.64
337.5	661.30	666.14	674.11	679.94	684.50	691.47	696.87	700.72	705.55
360.0	693.32	702.14	706.98	713.80	720.21	725.19	733.01	738.99	743.68
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	752.36	756.77	760.76	767.16	771.85	777.26	780.25	783.95	787.36
22.5	710.25	713.66	717.93	722.77	724.48	729.03	732.16	734.43	737.71
45.0	587.04	589.60	591.45	592.87	595.00	596.28	597.28	598.28	598.84
67.5	404.92	403.92	402.64	401.51	400.37	398.23	396.38	394.96	392.40
90.0	197.34	193.07	187.24	183.96	179.13	173.01	169.31	164.76	158.50
112.5	59.76	53.92	50.94	46.67	43.68	38.84	34.86	30.59	27.74
135.0	11.95	9.39	7.26	5.98	4.55	3.13	2.70	2.28	1.85
157.5	2.13	1.85	1.57	1.28	1.42	1.28	1.14	1.42	1.28
180.0	1.42	1.42	1.14	1.00	1.14	1.28	1.14	1.28	1.28
202.5	1.85	1.85	1.57	1.42	1.14	1.14	1.28	1.28	1.14
225.0	10.96	9.39	7.40	5.41	4.41	3.27	2.42	1.85	1.57
247.5	57.62	53.07	49.94	44.68	40.55	37.70	33.15	29.59	26.89
270.0	190.79	185.96	180.12	175.43	172.01	166.89	160.63	155.79	152.09
292.5	395.10	393.82	392.83	392.12	390.27	388.70	387.28	385.00	383.29
315.0	581.34	583.05	585.04	586.89	588.03	589.45	590.59	591.16	592.16
337.5	711.39	714.80	718.78	723.91	726.75	729.88	734.15	736.85	738.85
360.0	752.36	756.77	760.76	767.16	771.85	777.26	780.25	783.95	787.36

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Intensity data(cd)

Appendix Page: 13 Total:17

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	789.78	793.20	795.76	798.46	800.02	801.87	802.87	804.58	805.43
22.5	740.13	741.69	744.25	745.82	747.10	748.66	749.94	750.37	750.65
45.0	599.70	600.13	600.27	600.41	600.27	599.70	599.27	598.56	597.42
67.5	390.12	388.42	385.71	382.58	380.45	377.60	373.90	371.49	368.07
90.0	154.66	149.53	144.55	140.85	134.31	129.05	125.06	118.66	113.39
112.5	24.47	20.91	18.78	16.08	13.66	11.81	9.53	8.11	6.40
135.0	1.71	1.57	1.28	1.28	1.14	1.14	1.42	1.42	1.42
157.5	1.28	1.42	1.28	1.42	1.57	1.42	1.28	1.14	1.14
180.0	1.28	1.42	1.28	1.28	1.14	1.14	1.14	1.14	1.14
202.5	1.28	1.28	1.28	1.14	1.28	1.14	1.14	1.28	1.14
225.0	1.42	1.42	1.28	1.28	1.28	1.28	1.28	1.28	1.42
247.5	23.90	20.06	18.07	15.37	12.52	10.81	8.82	6.69	5.55
270.0	148.40	141.99	136.87	130.61	126.48	121.36	114.96	110.83	105.43
292.5	381.59	379.45	376.32	374.62	371.77	368.07	365.79	362.52	358.25
315.0	592.73	592.87	593.01	593.15	592.87	592.73	592.02	591.30	590.45
337.5	741.83	743.40	745.39	747.10	748.09	749.52	750.51	750.94	751.37
360.0	789.78	793.20	795.76	798.46	800.02	801.87	802.87	804.58	805.43
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	805.72	806.43	806.71	806.57	806.14	805.29	804.44	803.15	801.16
22.5	750.94	750.94	750.65	750.23	749.52	748.66	747.10	746.10	744.11
45.0	596.28	594.86	593.30	592.02	589.31	587.04	585.33	582.20	579.07
67.5	363.66	360.39	357.54	352.99	349.01	346.02	342.18	336.63	333.36
90.0	109.13	102.44	97.03	93.05	86.36	80.96	77.11	71.85	65.31
112.5	4.70	3.56	2.99	2.13	1.99	1.71	1.57	1.71	1.57
135.0	1.42	1.42	1.57	1.28	1.28	1.14	1.14	1.28	1.28
157.5	1.14	1.00	1.28	1.14	1.14	1.14	1.28	1.28	1.28
180.0	0.85	1.00	1.28	1.28	1.28	1.28	1.28	1.42	1.28
202.5	1.28	1.14	1.00	1.00	1.14	1.28	1.14	1.28	1.28
225.0	1.28	1.42	1.28	1.14	1.28	1.28	1.28	1.00	1.28
247.5	4.27	3.13	2.85	1.85	1.71	1.57	1.57	1.57	1.57
270.0	99.88	95.89	89.35	83.94	80.10	73.42	68.29	64.31	57.91
292.5	355.69	351.99	347.30	344.60	340.47	336.34	333.21	327.52	323.11
315.0	589.45	588.03	586.75	584.47	582.77	579.78	577.79	575.08	572.95
337.5	751.37	751.08	750.94	750.09	748.80	747.81	746.24	744.82	743.11
360.0	805.72	806.43	806.71	806.57	806.14	805.29	804.44	803.15	801.16
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	799.88	797.75	795.19	793.05	789.78	785.80	782.95	779.25	774.84
22.5	741.26	739.27	736.28	733.44	730.88	726.61	722.91	719.78	714.23
45.0	576.79	572.81	569.54	566.83	561.85	557.73	554.45	549.76	543.78
67.5	329.94	323.11	319.41	314.29	308.17	304.05	298.64	292.10	289.11
90.0	61.61	56.48	50.22	46.67	41.69	36.00	32.72	28.31	23.48
112.5	1.57	1.57	1.42	1.42	1.42	1.42	1.28	1.42	1.28
135.0	1.14	1.14	1.28	1.14	1.28	1.14	1.14	1.28	1.42
157.5	1.28	1.42	1.28	1.28	1.42	1.28	1.42	1.42	1.57
180.0	1.28	1.14	1.28	1.42	1.42	1.57	1.28	1.71	1.57
202.5	1.14	1.42	1.14	1.14	1.14	1.28	1.42	1.28	1.14
225.0	1.28	1.14	1.14	1.14	1.28	1.14	1.14	1.14	1.14
247.5	1.57	1.42	1.42	1.57	1.28	1.28	1.28	1.14	1.28
270.0	53.07	49.37	43.39	38.98	35.28	31.02	25.89	22.76	19.21
292.5	317.28	313.72	308.60	302.48	298.64	293.23	286.40	282.28	276.59
315.0	569.25	565.98	562.99	558.44	554.17	550.75	546.34	540.23	536.38
337.5	740.41	737.71	733.87	731.45	728.03	725.19	720.35	715.65	712.52
360.0	799.88	797.75	795.19	793.05	789.78	785.80	782.95	779.25	774.84

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Intensity data(cd)

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	771.57	765.88	760.61	756.49	749.52	743.54	738.85	731.02	724.33
22.5	709.54	705.98	699.72	694.31	690.04	682.79	676.81	672.26	665.71
45.0	539.94	534.25	527.42	522.87	516.47	508.78	503.80	497.54	489.29
67.5	281.99	276.44	271.89	264.07	257.95	252.97	244.86	238.31	233.48
90.0	20.49	16.93	13.66	11.38	8.11	5.69	4.55	2.99	1.85
112.5	1.28	1.28	1.28	1.42	1.42	1.42	1.42	1.57	1.42
135.0	1.42	1.14	1.28	1.28	1.28	1.14	1.28	1.42	1.42
157.5	1.14	1.57	1.42	1.28	1.57	1.28	1.57	1.57	1.57
180.0	1.42	1.57	1.28	1.42	1.42	1.42	1.57	1.57	1.57
202.5	1.28	1.42	1.14	1.28	1.28	1.42	1.42	1.42	1.28
225.0	1.28	1.14	1.14	1.14	1.28	1.14	1.14	1.14	1.14
247.5	1.28	1.28	1.14	1.28	1.14	1.28	1.14	1.28	1.71
270.0	14.94	12.66	9.82	6.97	5.55	3.84	2.56	1.71	1.42
292.5	270.90	266.49	258.94	252.68	248.27	240.16	233.48	228.50	220.25
315.0	531.41	524.58	520.31	514.33	506.65	502.10	495.55	486.87	481.75
337.5	706.55	701.71	697.73	692.32	685.06	680.51	674.39	665.86	660.74
360.0	771.57	765.88	760.61	756.49	749.52	743.54	738.85	731.02	724.33
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	719.21	710.53	703.13	697.73	690.33	680.51	672.69	666.57	656.18
22.5	657.75	652.63	645.23	635.27	629.58	621.75	611.51	603.26	597.00
45.0	484.03	477.06	469.94	464.68	455.43	447.75	441.91	431.10	410.04
67.5	228.78	218.40	213.56	206.59	193.50	179.13	156.93	127.76	114.25
90.0	1.14	1.28	1.00	1.14	1.14	1.14	1.28	1.42	1.28
112.5	1.57	1.42	1.28	1.42	1.57	1.42	1.71	1.57	1.71
135.0	1.42	1.42	1.57	1.71	1.57	1.85	1.85	1.85	1.99
157.5	1.57	1.71	1.57	1.71	1.99	1.85	1.85	1.99	2.13
180.0	1.57	1.42	1.42	1.57	1.71	1.99	1.85	2.13	2.28
202.5	1.42	1.28	1.57	1.71	1.71	1.71	1.85	1.85	1.85
225.0	1.42	1.28	1.28	1.28	1.57	1.42	1.57	1.57	1.57
247.5	1.71	1.71	1.57	1.42	1.42	1.57	1.71	1.42	1.71
270.0	1.00	1.00	1.14	1.28	1.14	1.28	1.00	1.14	1.28
292.5	213.27	208.15	200.04	193.21	187.38	174.43	149.25	133.03	112.97
315.0	472.79	467.38	462.26	453.58	446.89	441.34	431.67	423.13	413.74
337.5	654.05	646.08	640.67	632.14	622.46	618.34	609.23	600.84	594.58
360.0	719.21	710.53	703.13	697.73	690.33	680.51	672.69	666.57	656.18
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	647.50	640.25	619.62	596.85	563.13	518.74	482.04	453.86	416.30
22.5	586.04	571.95	543.36	510.49	484.45	439.07	402.08	373.76	326.38
45.0	389.13	351.00	318.70	293.80	252.40	225.79	211.85	196.20	180.12
67.5	101.02	92.05	94.19	99.45	105.85	106.57	103.58	99.59	96.75
90.0	1.14	1.28	1.00	1.28	1.14	1.14	1.14	1.14	1.00
112.5	1.57	1.71	1.71	1.57	1.85	1.71	1.85	1.71	1.71
135.0	1.85	2.13	2.13	2.13	1.99	1.99	2.13	2.28	2.13
157.5	2.42	2.42	2.42	2.56	2.42	2.42	2.56	2.70	2.56
180.0	2.42	2.42	2.42	2.70	2.42	2.70	2.85	2.85	2.85
202.5	2.28	2.13	1.99	1.99	2.13	2.28	2.28	2.42	2.42
225.0	1.57	1.85	1.71	1.99	1.99	1.85	2.13	1.99	2.13
247.5	1.57	1.71	1.85	1.71	1.71	1.57	1.57	1.71	1.57
270.0	1.28	1.14	1.14	1.28	1.00	1.28	1.14	1.28	1.14
292.5	96.61	90.06	87.07	93.33	96.32	97.60	94.19	92.34	87.79
315.0	382.16	352.99	330.08	282.14	258.09	236.04	214.98	195.63	176.99
337.5	583.34	569.68	549.47	500.10	474.35	447.89	402.36	365.37	337.62
360.0	647.50	640.25	619.62	596.85	563.13	518.74	482.04	453.86	416.30

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Intensity data(cd)

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	368.64	341.47	313.72	290.53	278.01	262.93	245.85	237.75	231.63
22.5	295.23	269.05	256.10	240.16	229.49	214.70	207.87	216.26	229.78
45.0	172.87	169.03	183.40	194.78	210.14	227.36	235.61	238.60	230.20
67.5	91.77	88.64	84.65	79.96	75.83	72.85	68.15	65.02	62.32
90.0	1.14	1.00	1.28	1.00	1.14	1.14	1.00	1.14	1.14
112.5	1.71	1.57	1.71	1.71	1.71	1.57	1.42	1.71	1.42
135.0	2.13	1.99	2.13	1.99	1.99	1.99	1.99	1.99	1.85
157.5	2.56	2.56	2.70	2.56	2.56	2.42	2.56	2.42	2.42
180.0	2.70	2.70	2.85	2.70	2.85	2.85	2.85	2.70	2.70
202.5	2.28	2.28	2.28	2.28	2.28	2.13	2.13	2.28	2.13
225.0	2.13	1.99	1.99	1.99	1.85	1.85	1.85	1.71	1.71
247.5	1.71	1.57	1.57	1.57	1.42	1.42	1.42	1.42	1.28
270.0	1.00	1.14	1.28	1.14	1.14	1.14	1.28	1.14	1.00
292.5	84.09	81.10	76.26	72.56	69.86	65.59	62.32	59.90	55.77
315.0	174.43	168.17	173.15	187.52	205.45	218.54	226.51	231.48	226.36
337.5	291.95	276.30	258.80	239.03	228.50	216.55	208.86	209.57	229.92
360.0	368.64	341.47	313.72	290.53	278.01	262.93	245.85	237.75	231.63
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	242.44	258.38	279.15	299.35	314.01	335.63	347.44	349.01	336.06
22.5	254.39	273.46	287.26	307.46	316.14	313.01	306.47	290.96	283.27
45.0	225.94	215.41	207.01	200.61	190.65	182.40	178.56	166.89	159.49
67.5	57.91	53.64	50.22	45.81	39.84	36.28	32.44	25.47	21.91
90.0	1.14	1.00	1.14	1.00	1.00	1.00	1.00	1.00	1.00
112.5	1.42	1.42	1.28	1.42	1.42	1.28	1.14	1.28	1.14
135.0	1.71	1.85	1.71	1.71	1.71	1.57	1.71	1.71	1.28
157.5	2.28	2.28	2.13	2.13	2.13	1.99	1.99	2.13	1.99
180.0	2.42	2.70	2.28	2.42	2.28	2.42	2.13	1.99	2.13
202.5	1.99	1.85	1.99	1.85	1.99	1.99	1.85	1.85	1.71
225.0	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.57	1.57
247.5	1.28	1.42	1.28	1.28	1.28	1.28	1.00	1.14	1.14
270.0	1.14	1.14	1.00	1.14	1.14	1.00	1.14	1.14	1.00
292.5	51.79	48.66	44.11	38.41	35.00	30.45	24.76	21.34	17.36
315.0	218.40	210.29	200.18	194.21	186.24	176.57	170.87	163.19	153.80
337.5	248.99	263.21	285.55	301.20	309.60	308.74	298.64	290.96	277.87
360.0	242.44	258.38	279.15	299.35	314.01	335.63	347.44	349.01	336.06
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	324.39	315.57	300.92	289.11	280.29	265.77	254.25	245.71	234.33
22.5	270.18	259.80	251.97	241.73	229.07	221.53	211.28	198.90	191.65
45.0	153.94	145.27	138.58	133.60	127.05	119.37	114.96	108.98	100.45
67.5	17.64	12.95	10.53	8.39	6.83	6.40	5.83	5.41	5.41
90.0	1.14	1.28	1.14	1.00	1.00	1.28	1.00	1.14	1.00
112.5	1.28	1.42	1.14	1.14	1.14	1.28	1.14	1.28	1.28
135.0	1.57	1.57	1.57	1.42	1.28	1.28	1.42	1.28	1.42
157.5	1.71	1.85	1.71	1.71	1.71	1.57	1.71	1.57	1.57
180.0	1.99	1.85	1.99	1.85	1.85	1.71	1.71	1.71	1.71
202.5	1.85	1.71	1.85	1.71	1.71	1.57	1.71	1.71	1.71
225.0	1.57	1.42	1.14	1.57	1.28	1.28	1.42	1.28	1.42
247.5	1.14	1.14	1.00	1.14	1.28	1.00	1.14	1.28	1.14
270.0	1.00	1.14	1.00	1.00	1.00	1.14	1.00	1.14	1.14
292.5	12.52	9.53	7.83	6.26	5.83	5.55	5.26	5.12	4.98
315.0	148.54	141.57	133.46	130.18	122.64	116.67	112.40	104.72	97.74
337.5	267.77	259.94	249.55	236.89	229.07	219.39	206.73	199.47	189.94
360.0	324.39	315.57	300.92	289.11	280.29	265.77	254.25	245.71	234.33

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Appendix Page: 16 Total:17

Intensity data(cd)

C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	220.10	211.99	201.04	187.52	179.98	169.88	157.64	150.53	141.00
22.5	182.26	170.59	163.90	155.22	144.70	138.44	130.04	120.51	112.83
45.0	95.04	87.22	77.26	71.57	63.46	53.50	45.53	39.55	32.01
67.5	5.26	4.98	4.98	4.70	4.41	4.13	4.27	4.13	3.84
90.0	1.14	1.00	1.14	1.28	1.28	1.14	1.14	1.28	1.42
112.5	1.28	1.28	1.28	1.28	1.14	1.14	1.42	1.42	1.42
135.0	1.28	1.42	1.42	1.42	1.57	1.42	1.57	1.57	1.57
157.5	1.57	1.57	1.42	1.57	1.57	1.71	1.85	1.57	1.71
180.0	1.71	1.71	1.71	1.57	1.71	1.85	1.71	1.71	1.71
202.5	1.57	1.71	1.71	1.71	1.85	1.57	1.71	1.71	1.71
225.0	1.28	1.42	1.42	1.42	1.42	1.57	1.42	1.71	1.85
247.5	1.14	1.28	1.28	1.42	1.28	1.42	1.42	1.42	1.57
270.0	1.14	1.28	1.14	1.14	1.00	1.28	1.28	1.28	1.28
292.5	4.84	4.70	4.55	4.41	4.27	4.13	3.98	3.70	3.56
315.0	88.35	82.81	74.70	68.72	58.76	50.51	41.12	35.28	28.17
337.5	178.13	171.30	162.48	151.67	145.41	136.87	128.48	121.08	108.13
360.0	220.10	211.99	201.04	187.52	179.98	169.88	157.64	150.53	141.00
C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	127.48	121.79	107.42	95.89	87.07	72.56	60.75	52.36	38.98
22.5	99.88	89.35	81.38	68.29	57.62	49.94	37.42	28.46	22.34
45.0	23.48	19.21	14.37	11.52	10.39	9.67	8.68	8.11	7.83
67.5	3.70	3.56	3.41	3.13	2.85	2.70	2.42	2.28	2.28
90.0	1.42	1.28	1.28	1.57	1.42	1.57	1.57	1.71	1.71
112.5	1.42	1.42	1.57	1.57	1.57	1.57	1.57	1.57	1.71
135.0	1.42	1.71	1.57	1.57	1.71	1.85	1.71	1.71	1.71
157.5	1.71	1.71	1.71	1.85	1.85	1.85	1.85	1.99	1.99
180.0	1.71	1.85	1.71	1.85	1.85	1.99	1.85	1.99	1.85
202.5	1.71	1.85	1.85	1.85	1.85	1.71	1.99	2.13	1.99
225.0	1.57	1.71	1.57	1.71	1.85	1.85	1.85	1.99	1.85
247.5	1.28	1.42	1.57	1.71	1.71	1.71	1.85	1.71	1.71
270.0	1.42	1.42	1.42	1.57	1.42	1.57	1.57	1.71	1.42
292.5	3.56	3.41	3.27	3.13	2.42	2.42	2.28	1.99	2.13
315.0	23.19	17.36	12.24	10.96	9.96	9.11	8.68	7.97	7.54
337.5	98.03	90.20	76.97	66.44	58.48	45.67	36.14	29.17	19.63
360.0	127.48	121.79	107.42	95.89	87.07	72.56	60.75	52.36	38.98
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	29.02	22.48	14.80	12.24	11.10	10.10	8.82	8.54	7.54
22.5	15.37	12.66	11.52	10.39	9.25	8.96	7.97	7.26	6.69
45.0	7.54	6.69	5.55	4.70	4.27	3.98	3.56	3.27	3.27
67.5	2.28	2.13	2.28	2.13	1.99	2.42	2.28	2.28	2.28
90.0	1.85	1.71	1.71	1.85	1.99	1.57	1.99	1.99	1.85
112.5	1.57	1.85	1.71	1.85	1.85	2.13	1.99	2.13	2.13
135.0	1.71	1.99	1.99	1.99	2.13	2.13	2.13	2.13	1.99
157.5	1.85	1.99	1.99	1.99	2.13	2.13	1.99	2.28	1.99
180.0	2.13	1.99	2.13	1.99	2.13	1.99	2.13	2.13	1.99
202.5	2.13	1.99	1.99	2.13	2.28	1.99	2.13	2.13	2.13
225.0	1.99	1.85	1.99	1.99	1.99	2.13	1.99	1.99	1.99
247.5	1.57	1.85	1.99	1.99	1.85	2.13	2.13	1.99	2.13
270.0	1.71	1.71	1.57	1.71	1.85	1.99	1.99	1.85	1.99
292.5	2.13	2.13	2.28	1.99	2.13	2.13	2.13	2.13	2.28
315.0	6.97	6.40	4.98	4.70	3.84	3.41	3.41	3.13	2.99
337.5	14.51	12.52	10.96	9.96	9.67	8.39	7.83	7.11	6.69
360.0	29.02	22.48	14.80	12.24	11.10	10.10	8.82	8.54	7.54

Equipment: GMS-2000  
Temperature(°C): 25.0

Date: 2019/8/29  
Humidity(%): 50.0%

Operator:  
Distance(m): 11.93



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Intensity data(cd)

C/γ(°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	6.69	6.26	5.55	5.12	4.70	4.27	3.56	3.41	2.99
22.5	5.98	5.55	5.26	4.70	3.84	3.56	2.85	2.70	2.70
45.0	3.27	2.99	2.99	2.99	2.85	2.85	2.70	2.70	2.42
67.5	2.28	2.13	2.13	2.28	2.13	2.13	2.28	2.42	2.28
90.0	2.13	2.13	2.13	2.13	2.28	2.28	2.28	2.28	2.42
112.5	2.13	2.13	2.13	2.28	2.28	2.42	2.28	2.28	2.28
135.0	1.99	2.13	2.13	2.28	2.28	2.28	2.13	2.28	2.28
157.5	2.13	2.13	2.28	2.28	2.28	1.99	2.28	2.28	2.28
180.0	2.13	2.13	1.99	2.13	2.13	2.28	2.13	2.13	2.13
202.5	2.28	2.13	2.13	2.13	2.13	2.13	2.13	2.28	2.28
225.0	2.28	2.13	2.13	2.28	2.13	2.28	2.13	2.28	2.13
247.5	2.13	2.28	2.13	2.13	1.99	2.13	2.28	2.13	2.13
270.0	1.99	1.99	2.13	2.28	2.13	2.13	2.28	2.13	2.13
292.5	2.28	2.28	2.28	2.28	2.42	2.42	2.28	2.28	2.42
315.0	2.99	2.99	2.99	2.85	2.85	2.99	2.85	2.56	2.42
337.5	5.83	5.41	4.84	4.27	3.84	2.99	2.85	2.42	2.28
360.0	6.69	6.26	5.55	5.12	4.70	4.27	3.56	3.41	2.99
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	2.99	2.70	2.42	2.28	2.13	2.28	2.28	2.28	2.42
22.5	2.42	2.13	2.28	2.13	2.28	2.42	2.28	2.42	2.42
45.0	2.28	2.28	2.42	1.99	2.28	2.28	2.13	2.28	2.28
67.5	2.28	2.28	2.28	2.56	2.28	2.42	2.28	2.42	2.42
90.0	2.28	2.28	2.28	2.42	2.56	2.42	2.28	2.42	2.28
112.5	2.28	2.13	2.42	2.28	2.42	2.42	2.28	2.28	2.13
135.0	2.42	1.99	2.28	2.42	2.42	2.42	2.28	2.28	2.28
157.5	2.28	2.13	2.28	2.28	2.28	2.13	2.28	2.13	2.28
180.0	2.42	2.28	2.42	2.42	2.42	2.56	2.42	2.42	2.56
202.5	2.28	2.28	2.28	2.42	2.42	2.13	2.28	2.28	2.28
225.0	2.13	2.42	2.13	2.13	2.13	2.42	2.42	2.28	2.28
247.5	2.28	2.28	2.13	2.28	2.28	2.28	2.28	2.28	2.28
270.0	2.28	2.42	2.42	2.28	2.28	2.28	2.28	2.42	2.28
292.5	2.42	2.28	2.42	2.28	2.42	2.28	2.42	2.42	2.56
315.0	2.42	2.42	2.28	2.28	2.28	2.28	2.42	2.42	2.42
337.5	2.13	2.13	2.28	1.99	1.99	2.28	2.13	2.28	2.42
360.0	2.99	2.70	2.42	2.28	2.13	2.28	2.28	2.28	2.42
C/γ(°)	180.0								
0.0	2.28								
22.5	2.28								
45.0	2.28								
67.5	2.42								
90.0	2.28								
112.5	2.28								
135.0	2.28								
157.5	2.28								
180.0	2.28								
202.5	2.28								
225.0	2.28								
247.5	2.42								
270.0	2.28								
292.5	2.28								
315.0	2.28								
337.5	2.28								
360.0	2.28								