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Client:

LumCAT: MXL2003 66W

Luminaire:

Report No: WH19035068P-3

Voltage(V): 119.9900

Test No: WH19035068P-3

Current(A): 0.5140

LampCAT:

Power (W): 61.2700

Lamp flux(lm)

PF: 0.9930

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): 6530.95, , Luminous Efficacy(lm/W): 106.59

Central intensity(cd): 869.171, Maximum intensity(cd): 1511.838

Angle of maximum intensity: C=180.0  $\gamma$ =65.0

Beam Angle(50%Imax): [C0/180]Total=188.3

[C90/270]Total=109.3

Field angle(10%Imax): [C0/180]Total=287.1

[C90/270]Total=157.2

Beam angle of C180 plane : 122.94

Average BeamAngle(IEC 61341):162.54

Maximum s/h(1/2): C0\_180=2.21 C90\_270=1.25

Maximum s/h(1/4): C0\_180=2.29 C90\_270=1.36

Up flux rate of LUM(%): 24.19%

Down flux rate of LUM(%): 75.81%

CIE Type : Semidirect lighting

Output flux ratio in  $\pi$  solid angle : 40.802%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	869.989	0.000	0	.000%	.000%
1.0	869.527	0.832	0.832	.013%	.013%
2.0	869.634	2.496	3.329	.038%	.051%
3.0	869.767	4.160	7.489	.064%	.115%
4.0	870.007	5.824	13.312	.089%	.204%
5.0	869.687	7.484	20.796	.115%	.318%
6.0	869.776	9.141	29.938	.140%	.458%
7.0	870.283	10.801	40.738	.165%	.624%
8.0	870.701	12.460	53.198	.191%	.815%
9.0	870.567	14.112	67.31	.216%	1.031%
10.0	870.763	15.758	83.068	.241%	1.272%
11.0	871.314	17.407	100.475	.267%	1.538%
12.0	871.101	19.047	119.522	.292%	1.830%
13.0	871.510	20.680	140.203	.317%	2.147%
14.0	871.412	22.309	162.512	.342%	2.488%
15.0	871.812	23.932	186.444	.366%	2.855%
16.0	871.643	25.547	211.99	.391%	3.246%
17.0	872.017	27.153	239.144	.416%	3.662%
18.0	871.332	28.744	267.888	.440%	4.102%
19.0	871.501	30.322	298.21	.464%	4.566%
20.0	871.190	31.896	330.106	.488%	5.054%
21.0	870.790	33.450	363.555	.512%	5.567%
22.0	870.158	34.985	398.54	.536%	6.102%
23.0	869.669	36.506	435.047	.559%	6.661%
24.0	869.509	38.025	473.071	.582%	7.244%
25.0	868.504	39.519	512.59	.605%	7.849%
26.0	868.024	40.991	553.581	.628%	8.476%
27.0	867.082	42.450	596.031	.650%	9.126%
28.0	866.068	43.880	639.91	.672%	9.798%
29.0	865.312	45.298	685.208	.694%	10.492%
30.0	864.503	46.705	731.913	.715%	11.207%
31.0	863.667	48.092	780.005	.736%	11.943%
32.0	862.502	49.453	829.458	.757%	12.700%
33.0	861.435	50.788	880.246	.778%	13.478%
34.0	860.688	52.117	932.362	.798%	14.276%
35.0	859.274	53.416	985.778	.818%	15.094%
36.0	857.940	54.676	1040.454	.837%	15.931%
37.0	856.615	55.919	1096.374	.856%	16.787%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	854.606	57.118	1153.492	.875%	17.662%
39.0	853.628	58.307	1211.799	.893%	18.555%
40.0	852.320	59.497	1271.296	.911%	19.466%
41.0	851.093	60.658	1331.954	.929%	20.394%
42.0	849.217	61.775	1393.729	.946%	21.340%
43.0	847.767	62.861	1456.59	.963%	22.303%
44.0	846.318	63.940	1520.53	.979%	23.282%
45.0	844.744	64.989	1585.519	.995%	24.277%
46.0	842.912	66.001	1651.52	1.011%	25.288%
47.0	841.756	67.004	1718.523	1.026%	26.314%
48.0	840.200	67.993	1786.517	1.041%	27.355%
49.0	838.093	68.920	1855.437	1.055%	28.410%
50.0	836.341	69.813	1925.25	1.069%	29.479%
51.0	834.367	70.685	1995.935	1.082%	30.561%
52.0	832.233	71.515	2067.45	1.095%	31.656%
53.0	830.027	72.308	2139.758	1.107%	32.763%
54.0	828.062	73.082	2212.84	1.119%	33.882%
55.0	825.119	73.795	2286.635	1.130%	35.012%
56.0	822.442	74.449	2361.084	1.140%	36.152%
57.0	819.712	75.083	2436.167	1.150%	37.302%
58.0	816.333	75.656	2511.823	1.158%	38.460%
59.0	813.603	76.201	2588.024	1.167%	39.627%
60.0	810.126	76.711	2664.735	1.175%	40.802%
61.0	806.649	77.156	2741.89	1.181%	41.983%
62.0	803.306	77.577	2819.467	1.188%	43.171%
63.0	798.860	77.922	2897.389	1.193%	44.364%
64.0	794.974	78.209	2975.598	1.198%	45.561%
65.0	791.070	78.492	3054.09	1.202%	46.763%
66.0	786.081	78.690	3132.78	1.205%	47.968%
67.0	781.475	78.821	3211.601	1.207%	49.175%
68.0	777.145	78.955	3290.555	1.209%	50.384%
69.0	771.658	79.012	3369.568	1.210%	51.594%
70.0	766.421	78.993	3448.561	1.210%	52.803%
71.0	761.539	78.973	3527.534	1.209%	54.013%
72.0	755.705	78.892	3606.426	1.208%	55.221%
73.0	750.041	78.740	3685.166	1.206%	56.426%
74.0	744.172	78.555	3763.72	1.203%	57.629%
75.0	738.125	78.319	3842.039	1.199%	58.828%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	730.762	77.974	3920.014	1.194%	60.022%
77.0	724.671	77.597	3997.611	1.188%	61.210%
78.0	718.144	77.235	4074.846	1.183%	62.393%
79.0	709.972	76.732	4151.578	1.175%	63.568%
80.0	703.107	76.182	4227.76	1.166%	64.734%
81.0	695.478	75.633	4303.394	1.158%	65.892%
82.0	687.030	74.971	4378.364	1.148%	67.040%
83.0	679.320	74.277	4452.641	1.137%	68.178%
84.0	671.877	73.611	4526.252	1.127%	69.305%
85.0	662.958	72.853	4599.104	1.115%	70.420%
86.0	654.733	72.027	4671.131	1.103%	71.523%
87.0	646.525	71.215	4742.347	1.090%	72.613%
88.0	638.095	70.369	4812.716	1.077%	73.691%
89.0	630.039	69.509	4882.224	1.064%	74.755%
90.0	620.586	68.570	4950.794	1.050%	75.805%
91.0	612.094	67.586	5018.38	1.035%	76.840%
92.0	603.727	66.641	5085.021	1.020%	77.860%
93.0	594.870	65.657	5150.678	1.005%	78.866%
94.0	584.252	64.531	5215.209	.988%	79.854%
95.0	571.590	63.180	5278.389	.967%	80.821%
96.0	555.450	61.512	5339.901	.942%	81.763%
97.0	538.608	59.602	5399.503	.913%	82.676%
98.0	519.196	57.504	5457.007	.880%	83.556%
99.0	496.681	55.089	5512.096	.844%	84.400%
100.0	471.098	52.336	5564.432	.801%	85.201%
101.0	446.128	49.450	5613.881	.757%	85.958%
102.0	416.499	46.349	5660.23	.710%	86.668%
103.0	391.111	43.232	5703.462	.662%	87.330%
104.0	362.042	40.155	5743.617	.615%	87.945%
105.0	331.924	36.838	5780.455	.564%	88.509%
106.0	307.052	33.761	5814.216	.517%	89.026%
107.0	282.314	30.984	5845.201	.474%	89.500%
108.0	268.468	28.802	5874.003	.441%	89.941%
109.0	257.495	27.349	5901.351	.419%	90.360%
110.0	248.478	26.151	5927.503	.400%	90.760%
111.0	244.655	25.326	5952.829	.388%	91.148%
112.0	242.618	24.858	5977.687	.381%	91.529%
113.0	237.665	24.330	6002.017	.373%	91.901%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	237.932	23.914	6025.931	.366%	92.267%
115.0	239.186	23.805	6049.736	.364%	92.632%
116.0	245.072	23.966	6073.702	.367%	92.999%
117.0	249.341	24.261	6097.963	.371%	93.370%
118.0	254.329	24.496	6122.459	.375%	93.745%
119.0	261.265	24.844	6147.303	.380%	94.126%
120.0	263.551	25.045	6172.348	.383%	94.509%
121.0	261.710	24.815	6197.163	.380%	94.889%
122.0	256.988	24.249	6221.413	.371%	95.260%
123.0	250.274	23.458	6244.871	.359%	95.620%
124.0	240.164	22.424	6267.295	.343%	95.963%
125.0	230.854	21.284	6288.579	.326%	96.289%
126.0	221.045	20.172	6308.751	.309%	96.598%
127.0	211.219	19.052	6327.803	.292%	96.889%
128.0	202.834	18.011	6345.814	.276%	97.165%
129.0	193.515	17.008	6362.822	.260%	97.426%
130.0	185.138	16.020	6378.842	.245%	97.671%
131.0	175.801	15.049	6393.891	.230%	97.901%
132.0	165.744	14.026	6407.917	.215%	98.116%
133.0	156.816	13.040	6420.956	.200%	98.316%
134.0	147.968	12.122	6433.078	.186%	98.501%
135.0	138.818	11.216	6444.294	.172%	98.673%
136.0	127.961	10.253	6454.546	.157%	98.830%
137.0	118.650	9.308	6463.854	.143%	98.973%
138.0	108.291	8.407	6472.261	.129%	99.101%
139.0	99.114	7.535	6479.796	.115%	99.217%
140.0	90.568	6.754	6486.551	.103%	99.320%
141.0	81.943	6.017	6492.567	.092%	99.412%
142.0	74.082	5.326	6497.893	.082%	99.494%
143.0	65.590	4.662	6502.555	.071%	99.565%
144.0	58.547	4.049	6506.603	.062%	99.627%
145.0	51.451	3.502	6510.106	.054%	99.681%
146.0	43.786	2.958	6513.064	.045%	99.726%
147.0	37.810	2.469	6515.533	.038%	99.764%
148.0	32.235	2.064	6517.596	.032%	99.796%
149.0	26.953	1.696	6519.292	.026%	99.821%
150.0	23.529	1.405	6520.697	.022%	99.843%
151.0	20.426	1.187	6521.884	.018%	99.861%

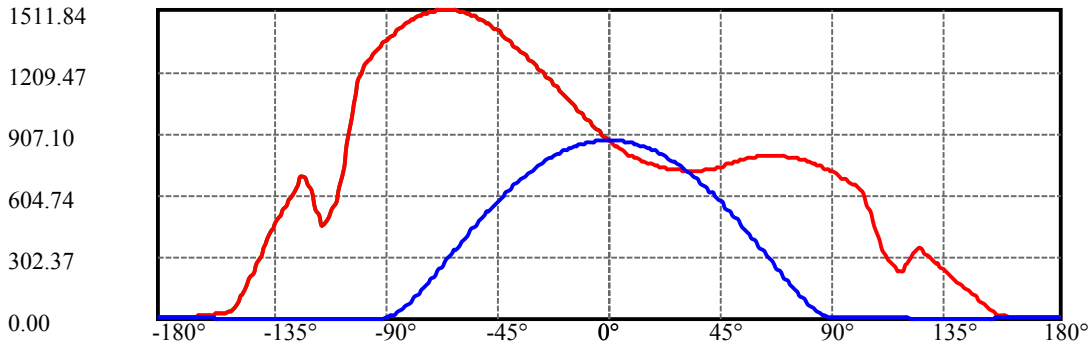
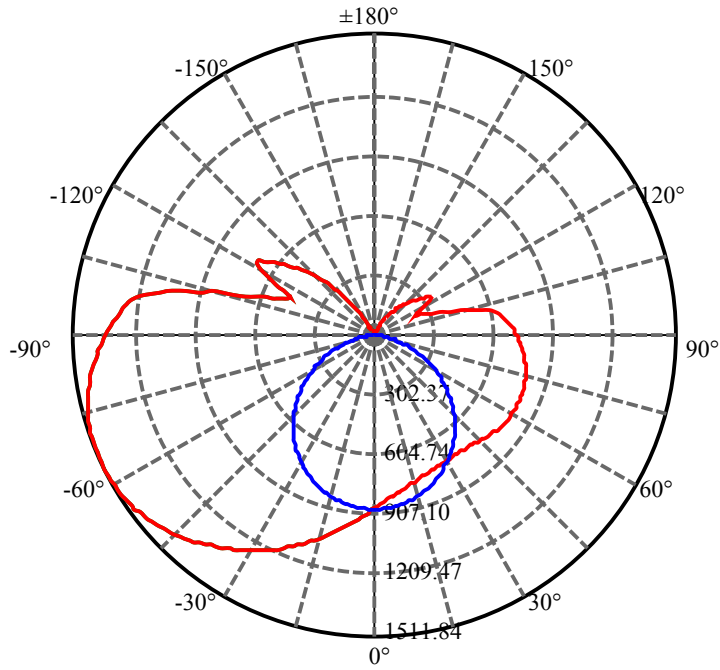
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	18.229	1.011	6522.895	.015%	99.877%
153.0	16.273	0.874	6523.769	.013%	99.890%
154.0	14.735	0.759	6524.527	.012%	99.902%
155.0	13.632	0.670	6525.197	.010%	99.912%
156.0	12.609	0.597	6525.793	.009%	99.921%
157.0	11.925	0.536	6526.33	.008%	99.929%
158.0	11.462	0.491	6526.821	.008%	99.937%
159.0	10.938	0.450	6527.271	.007%	99.944%
160.0	10.520	0.412	6527.683	.006%	99.950%
161.0	10.119	0.378	6528.06	.006%	99.956%
162.0	9.764	0.346	6528.406	.005%	99.961%
163.0	9.479	0.317	6528.724	.005%	99.966%
164.0	9.239	0.291	6529.015	.004%	99.970%
165.0	8.875	0.265	6529.281	.004%	99.974%
166.0	8.688	0.241	6529.522	.004%	99.978%
167.0	8.554	0.221	6529.742	.003%	99.982%
168.0	8.368	0.201	6529.943	.003%	99.985%
169.0	8.110	0.180	6530.123	.003%	99.987%
170.0	7.692	0.158	6530.281	.002%	99.990%
171.0	7.452	0.137	6530.418	.002%	99.992%
172.0	7.078	0.118	6530.536	.002%	99.994%
173.0	6.883	0.100	6530.636	.002%	99.995%
174.0	6.723	0.084	6530.72	.001%	99.996%
175.0	6.660	0.070	6530.791	.001%	99.998%
176.0	6.634	0.057	6530.848	.001%	99.998%
177.0	6.696	0.045	6530.892	.001%	99.999%
178.0	6.714	0.032	6530.925	.000%	100.000%
179.0	6.731	0.019	6530.944	.000%	100.000%
180.0	6.723	0.006	6530.95	.000%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	731.91	11.21%
0-40	1271.30	19.47%
0-60	2664.73	40.80%
0-90	4950.79	75.81%
0-120	6172.35	94.51%
0-180	6530.95	100.00%
60-90	2362.77	36.18%
90-120	1290.12	19.75%
90-130	1496.62	22.92%
90-150	1638.47	25.09%
90-180	1648.72	25.24%
0-94.15	5224.76	80.00%

ZONAL LUMEN SUMMARY

0-10	83.07
10-20	247.04
20-30	401.81
30-40	539.38
40-50	653.95
50-60	739.48
60-70	783.83
70-80	779.20
80-90	723.03
90-100	613.64
100-110	363.07
110-120	244.85
120-130	206.49
130-140	107.71
140-150	34.15
150-160	6.99
160-170	2.60
170-180	0.66

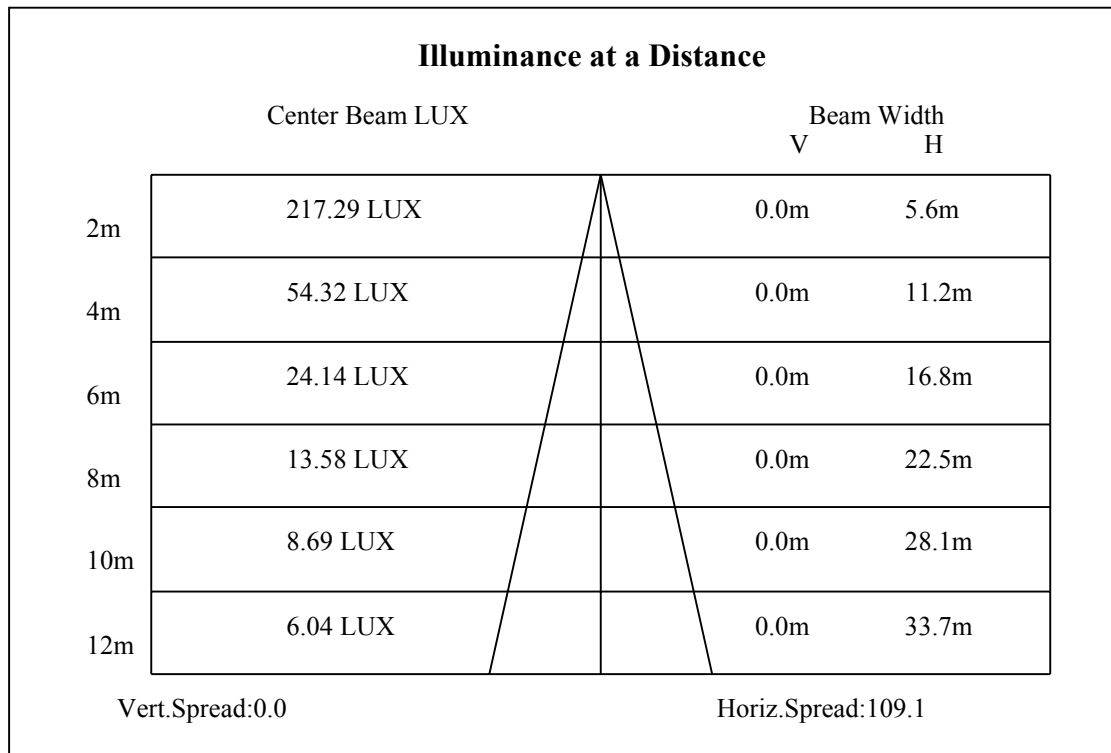


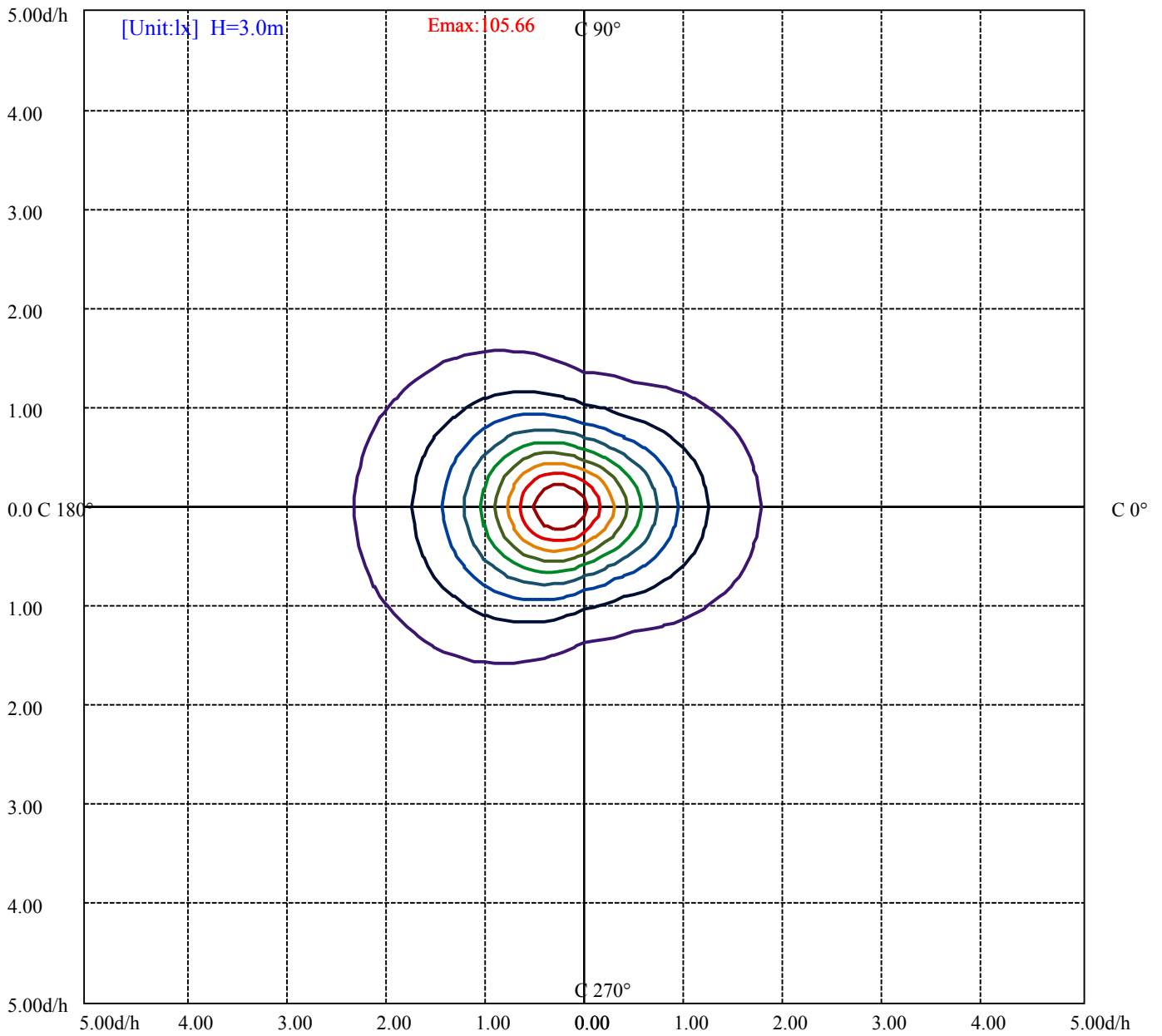
C180(Max): ———  
C0/C180: ———  
C90/C270: ———

Field angle(10%Imax):C0/180Left:80.2 Right:206.9  
:C90/270Left:78.8 Right:78.4

Beam Angle(50%Imax):C0/180Left:40.9 Right:147.4  
:C90/270Left:55.1 Right:54.2







- (10%Emax) 10.56556
- (20%Emax) 21.13111
- (30%Emax) 31.69666
- (40%Emax) 42.26222
- (50%Emax) 52.82778
- (60%Emax) 63.39333
- (70%Emax) 73.95889
- (80%Emax) 84.52444
- (90%Emax) 95.09

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Intensity data(cd)

Appendix Page: 11 Total:17

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	869.17	861.20	849.11	841.85	833.03	822.93	817.24	810.13	801.73
22.5	873.58	858.93	849.68	838.72	832.18	824.35	815.25	809.84	803.01
45.0	872.02	860.78	852.95	847.69	840.29	831.33	826.06	819.23	811.12
67.5	876.00	869.60	866.18	861.35	855.09	851.39	845.98	840.72	836.45
90.0	873.58	873.30	872.87	871.73	870.88	869.46	867.04	865.61	863.20
112.5	855.94	861.77	866.47	868.74	872.02	875.57	877.57	879.98	882.26
135.0	871.31	880.41	887.53	893.22	901.90	909.01	914.42	923.09	929.92
157.5	868.32	882.83	893.22	900.61	911.14	924.09	932.06	942.73	956.39
180.0	869.17	879.98	893.93	905.03	919.40	925.37	940.17	952.40	965.07
202.5	873.58	878.56	888.95	901.47	909.29	919.68	927.65	938.46	952.12
225.0	872.02	876.00	883.40	893.07	898.34	906.02	915.13	920.68	927.93
247.5	876.00	879.13	881.98	886.53	889.80	892.22	895.63	898.20	900.19
270.0	873.58	873.58	873.01	872.59	871.45	869.60	868.03	866.61	863.62
292.5	855.94	854.52	849.68	845.13	841.85	835.74	830.61	826.77	821.51
315.0	871.31	858.36	851.10	845.55	836.87	829.76	824.35	816.24	809.70
337.5	868.32	863.48	854.09	842.99	836.59	828.48	819.23	813.83	807.00
360.0	869.17	861.20	849.11	841.85	833.03	822.93	817.24	810.13	801.73
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	798.18	790.35	784.80	780.25	773.56	768.58	765.02	759.48	756.20
22.5	796.61	791.63	784.23	778.11	774.13	767.30	761.89	758.05	752.22
45.0	804.72	799.74	791.77	785.09	780.53	772.71	766.02	761.47	755.21
67.5	829.05	823.07	818.66	810.70	804.15	799.31	790.78	783.81	778.40
90.0	859.64	857.22	854.23	849.68	846.41	842.00	836.45	832.46	827.34
112.5	883.54	885.82	887.24	888.24	889.37	890.09	890.51	890.80	890.80
135.0	935.19	943.72	950.70	955.96	964.64	969.62	976.45	984.84	991.25
157.5	964.64	976.02	984.98	999.50	1011.16	1019.56	1033.93	1045.45	1059.54
180.0	978.01	987.83	1004.33	1017.85	1027.67	1041.18	1057.69	1067.93	1081.02
202.5	960.37	972.04	986.55	998.07	1006.90	1021.27	1033.07	1041.61	1056.27
225.0	936.61	940.31	949.27	956.67	961.94	970.47	977.44	982.71	990.96
247.5	902.04	904.46	905.74	907.02	908.01	908.87	909.58	909.86	910.00
270.0	862.20	858.64	855.51	850.96	847.97	843.70	840.43	834.46	829.19
292.5	814.54	810.13	804.44	796.61	792.20	785.80	777.54	772.71	765.74
315.0	805.00	797.04	790.49	780.96	777.97	771.71	766.87	759.19	752.79
337.5	798.74	794.19	788.07	781.96	777.54	770.43	765.31	761.47	755.35
360.0	798.18	790.35	784.80	780.25	773.56	768.58	765.02	759.48	756.20
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	752.08	747.67	744.82	742.12	738.85	736.00	734.29	731.87	730.45
22.5	747.81	744.54	739.41	735.57	733.15	729.74	725.61	722.91	720.63
45.0	747.67	742.97	736.71	729.31	724.76	718.93	711.67	707.40	701.85
67.5	769.44	764.03	756.06	748.24	738.28	729.74	723.62	713.24	706.69
90.0	821.79	817.24	809.56	803.30	798.03	789.07	781.81	772.14	766.16
112.5	890.80	890.37	889.52	889.09	888.24	886.81	885.68	884.11	881.83
135.0	996.08	1003.91	1009.88	1014.15	1019.99	1026.96	1031.08	1036.49	1043.03
157.5	1068.22	1079.46	1093.54	1101.51	1112.47	1123.28	1131.81	1145.05	1155.58
180.0	1097.81	1107.49	1120.72	1137.08	1147.04	1160.13	1175.92	1185.60	1198.26
202.5	1061.81	1076.04	1087.57	1096.10	1110.19	1121.57	1135.37	1143.62	1154.29
225.0	997.79	1005.62	1010.03	1016.29	1020.41	1026.25	1033.22	1036.92	1042.04
247.5	909.86	909.29	908.87	908.16	907.16	905.59	904.46	902.75	900.19
270.0	825.21	817.95	811.83	807.00	798.89	791.91	784.52	779.11	769.29
292.5	757.06	749.52	743.97	736.43	726.89	720.92	712.81	702.56	696.30
315.0	748.24	740.41	734.15	729.88	722.34	716.51	712.10	706.41	699.29
337.5	749.66	747.52	742.40	738.42	735.86	731.30	728.17	725.90	722.48
360.0	752.08	747.67	744.82	742.12	738.85	736.00	734.29	731.87	730.45

Intensity data(cd)

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	729.60	728.03	727.32	726.89	726.33	725.76	725.47	725.76	726.18
22.5	717.79	715.23	714.09	711.67	710.25	709.25	708.54	707.12	706.55
45.0	694.74	690.76	685.06	680.08	675.96	669.84	666.14	661.59	655.61
67.5	698.01	686.77	677.67	670.84	659.31	649.78	642.95	633.56	621.89
90.0	757.77	746.96	740.27	731.02	721.63	714.23	701.85	691.47	683.50
112.5	880.27	878.13	875.00	872.73	869.88	865.90	864.90	859.78	855.80
135.0	1046.59	1051.29	1057.40	1060.82	1065.37	1070.49	1073.48	1077.61	1082.59
157.5	1163.40	1176.35	1186.59	1193.99	1206.94	1216.90	1221.59	1236.10	1243.22
180.0	1210.64	1220.17	1235.54	1248.06	1262.85	1271.67	1286.47	1292.45	1307.10
202.5	1163.26	1176.35	1184.32	1194.56	1207.36	1214.76	1224.72	1236.82	1244.21
225.0	1048.44	1052.00	1056.41	1062.24	1066.37	1071.20	1074.19	1077.61	1080.31
247.5	898.62	895.63	892.36	890.09	886.67	882.55	879.56	875.72	871.73
270.0	761.04	754.64	743.97	734.72	723.19	716.08	705.84	698.72	685.49
292.5	688.05	677.10	670.55	661.73	650.78	643.95	634.70	625.88	618.91
315.0	695.17	689.48	682.93	678.80	673.40	667.14	663.15	662.30	657.46
337.5	719.92	718.22	715.51	713.80	712.38	710.53	709.39	708.54	707.83
360.0	729.60	728.03	727.32	726.89	726.33	725.76	725.47	725.76	726.18
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	726.61	727.46	729.03	730.02	731.73	733.30	736.57	739.41	743.54
22.5	705.98	705.84	705.84	706.12	706.41	706.83	707.54	708.97	709.82
45.0	651.20	647.93	642.52	638.54	635.55	631.00	627.30	624.74	621.18
67.5	614.35	604.68	592.73	585.47	575.80	563.99	556.87	547.20	535.25
90.0	669.98	659.03	650.35	636.12	624.45	615.35	600.13	587.46	577.93
112.5	852.81	847.69	842.99	837.44	833.74	828.91	824.50	817.67	813.54
135.0	1085.57	1088.85	1091.27	1095.25	1098.38	1101.23	1103.36	1106.49	1108.20
157.5	1252.61	1263.99	1270.82	1279.78	1290.74	1297.28	1305.68	1316.63	1322.75
180.0	1318.34	1326.88	1332.43	1351.92	1360.17	1373.83	1384.36	1392.32	1405.13
202.5	1253.60	1262.99	1270.11	1281.49	1290.74	1301.69	1308.24	1316.92	1327.73
225.0	1084.01	1087.99	1090.70	1093.83	1097.24	1099.23	1102.22	1105.92	1107.49
247.5	868.60	863.05	858.22	854.80	848.26	842.71	838.72	831.18	825.07
270.0	674.96	666.71	655.47	641.24	632.56	620.61	605.53	596.28	583.91
292.5	607.24	597.71	590.88	578.93	569.54	562.56	550.61	541.22	529.27
315.0	653.91	648.07	643.38	640.11	634.56	631.43	627.44	622.75	619.90
337.5	707.26	706.98	706.98	706.98	707.26	707.54	708.40	709.11	710.39
360.0	726.61	727.46	729.03	730.02	731.73	733.30	736.57	739.41	743.54
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	746.39	750.51	756.35	759.90	764.46	768.58	771.85	776.55	779.82
22.5	711.24	713.80	715.37	717.93	720.78	723.05	726.61	729.60	731.59
45.0	617.63	615.35	612.65	609.37	607.67	605.82	603.26	602.26	600.41
67.5	532.97	518.60	509.21	502.10	490.43	481.04	474.35	462.69	453.86
90.0	568.40	548.91	538.80	525.43	508.21	497.83	484.03	466.10	455.29
112.5	807.71	800.31	795.76	789.64	781.53	776.69	770.00	761.33	758.05
135.0	1110.90	1113.75	1115.74	1117.16	1119.29	1120.86	1122.00	1123.85	1124.70
157.5	1331.29	1339.40	1345.23	1354.34	1361.02	1368.85	1373.40	1379.24	1385.64
180.0	1414.80	1421.92	1431.02	1441.69	1447.81	1455.64	1464.32	1469.58	1475.98
202.5	1335.84	1342.10	1352.06	1357.61	1364.44	1371.13	1375.82	1382.79	1387.63
225.0	1109.62	1112.61	1114.31	1116.16	1118.58	1119.72	1122.00	1123.56	1124.84
247.5	817.67	812.97	806.71	802.02	795.33	787.08	781.96	775.13	766.16
270.0	567.97	558.30	545.06	528.56	521.87	505.08	491.14	480.75	462.97
292.5	515.04	512.62	505.51	496.26	484.45	475.21	463.68	456.85	447.89
315.0	616.20	612.08	608.95	606.67	603.11	601.69	598.56	596.43	593.86
337.5	712.24	713.38	715.37	718.36	720.49	723.19	726.89	729.03	731.73
360.0	746.39	750.51	756.35	759.90	764.46	768.58	771.85	776.55	779.82

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Intensity data(cd)

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	782.10	785.80	788.07	791.20	792.48	794.05	794.90	796.33	797.18
22.5	734.72	736.57	738.13	740.27	741.55	742.69	743.83	744.68	744.96
45.0	599.27	598.70	597.85	597.71	597.28	596.85	596.28	595.86	594.72
67.5	447.46	436.79	428.40	422.14	412.03	404.35	398.66	391.40	382.87
90.0	440.92	422.56	411.47	396.67	381.59	370.49	351.71	340.18	324.82
112.5	749.52	742.54	737.28	728.32	721.06	715.37	706.12	698.58	692.89
135.0	1125.27	1125.70	1125.84	1125.27	1124.84	1123.71	1122.00	1119.58	1118.30
157.5	1389.19	1393.32	1397.87	1400.43	1402.57	1405.13	1407.12	1408.26	1409.26
180.0	1482.96	1486.80	1491.78	1496.90	1499.74	1502.73	1505.58	1507.28	1509.28
202.5	1393.61	1396.74	1400.29	1404.56	1406.84	1408.69	1410.39	1412.10	1412.67
225.0	1126.27	1127.40	1127.97	1128.26	1128.12	1127.69	1126.98	1125.70	1124.70
247.5	760.90	753.78	744.68	737.56	732.02	722.77	715.80	710.25	703.13
270.0	448.74	437.93	419.72	405.21	386.71	375.61	360.67	342.03	334.35
292.5	441.20	430.53	421.85	411.32	405.06	397.10	391.12	383.44	374.19
315.0	592.87	591.02	589.60	588.74	587.89	587.75	587.46	586.89	585.76
337.5	734.01	735.72	738.28	740.84	741.55	742.69	743.40	743.83	743.83
360.0	782.10	785.80	788.07	791.20	792.48	794.05	794.90	796.33	797.18
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	797.61	798.18	798.18	798.18	797.75	797.18	796.47	795.04	793.34
22.5	744.82	744.54	744.54	743.97	743.26	742.54	741.26	739.56	738.13
45.0	593.15	592.16	590.31	588.32	586.75	585.04	581.34	578.64	576.65
67.5	377.89	371.49	363.80	359.53	354.27	347.87	344.03	339.47	333.78
90.0	305.75	290.39	278.86	259.51	244.43	232.91	214.13	199.19	188.09
112.5	683.50	677.81	670.13	662.58	652.63	646.93	639.11	629.01	622.60
135.0	1114.74	1111.61	1108.77	1103.93	1099.66	1095.96	1089.70	1084.86	1080.74
157.5	1409.82	1410.11	1409.82	1408.83	1407.98	1405.84	1403.42	1400.15	1397.73
180.0	1510.84	1511.55	1511.84	1511.13	1510.56	1509.42	1507.85	1506.00	1502.30
202.5	1413.10	1413.10	1412.67	1411.82	1410.11	1407.69	1405.84	1403.14	1399.01
225.0	1123.14	1120.58	1118.58	1115.45	1111.61	1107.91	1105.21	1099.94	1095.25
247.5	693.89	688.48	681.22	671.98	666.57	659.17	649.35	643.38	635.41
270.0	315.43	300.20	288.68	269.62	254.39	242.72	223.94	208.86	197.77
292.5	368.92	361.95	353.70	349.01	342.75	335.63	331.51	326.10	318.84
315.0	585.47	584.05	583.05	581.34	579.35	577.50	574.80	572.10	570.10
337.5	743.68	743.40	742.97	742.12	741.55	739.98	738.56	737.28	734.86
360.0	797.61	798.18	798.18	798.18	797.75	797.18	796.47	795.04	793.34
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	792.20	790.07	787.08	785.37	782.10	778.11	775.27	771.43	766.30
22.5	736.14	734.01	730.45	727.46	724.48	722.06	719.07	713.09	709.82
45.0	572.67	570.39	567.12	562.71	558.72	555.73	552.32	545.63	542.22
67.5	331.36	325.81	320.98	317.28	311.02	305.61	301.63	294.66	289.39
90.0	169.59	155.37	144.70	130.90	114.11	104.29	94.61	76.55	68.15
112.5	613.50	602.26	595.00	585.47	573.09	565.84	555.59	545.35	537.67
135.0	1073.62	1067.36	1062.24	1055.55	1046.31	1044.60	1032.51	1022.12	1015.29
157.5	1394.17	1391.19	1385.64	1380.23	1372.97	1368.00	1361.17	1353.91	1347.65
180.0	1498.75	1495.76	1489.64	1484.66	1480.68	1473.00	1466.31	1460.90	1451.23
202.5	1396.17	1391.61	1385.21	1381.08	1374.68	1368.00	1362.59	1353.77	1346.37
225.0	1091.27	1084.58	1078.03	1072.77	1065.66	1055.70	1049.58	1041.18	1029.80
247.5	625.17	621.18	610.51	601.69	594.58	583.05	573.38	565.98	553.60
270.0	179.27	165.18	154.37	140.14	123.07	113.11	100.31	84.94	76.12
292.5	317.56	311.73	306.75	303.05	296.51	291.24	287.40	280.14	274.45
315.0	567.12	563.42	561.00	557.58	552.89	548.76	545.49	540.08	536.38
337.5	732.73	730.74	728.03	724.05	721.35	717.65	713.09	709.82	705.27
360.0	792.20	790.07	787.08	785.37	782.10	778.11	775.27	771.43	766.30

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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	763.03	758.34	752.08	747.95	742.54	736.57	732.16	724.33	719.64
22.5	704.13	699.15	695.31	688.76	683.07	678.80	671.55	665.57	660.88
45.0	535.67	530.27	526.00	520.31	512.62	507.79	501.67	493.70	488.86
67.5	285.41	278.01	272.03	267.77	261.36	253.40	248.70	241.73	233.76
90.0	57.62	45.39	38.56	30.59	22.05	17.64	13.37	10.24	8.54
112.5	524.58	513.91	505.65	492.14	481.04	466.95	458.42	446.47	437.64
135.0	1003.48	993.38	985.41	974.31	960.23	951.83	939.60	923.81	913.99
157.5	1337.12	1326.02	1318.77	1308.81	1296.00	1290.17	1275.94	1263.71	1254.03
180.0	1444.82	1435.86	1424.19	1416.51	1406.27	1392.89	1384.36	1372.69	1360.31
202.5	1339.97	1328.87	1319.62	1312.22	1299.13	1287.32	1272.67	1263.42	1250.76
225.0	1022.69	1012.59	999.92	992.10	981.14	966.77	957.95	945.57	932.63
247.5	543.21	535.25	521.87	510.35	501.67	490.29	475.77	466.67	454.15
270.0	64.88	51.93	42.40	36.00	26.18	21.06	15.51	11.10	8.25
292.5	270.18	262.93	256.95	252.54	244.72	238.17	231.77	226.79	218.54
315.0	531.55	525.00	519.74	515.47	509.49	502.24	497.26	490.86	484.17
337.5	699.29	695.59	690.61	684.21	679.80	673.82	667.71	662.87	654.48
360.0	763.03	758.34	752.08	747.95	742.54	736.57	732.16	724.33	719.64
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	711.24	704.13	698.87	690.04	682.50	677.10	669.56	659.60	653.62
22.5	654.33	646.08	640.53	632.42	623.17	615.78	609.80	599.84	593.72
45.0	483.60	473.36	467.95	460.84	451.87	448.03	438.78	430.25	415.88
67.5	232.05	222.38	213.98	209.01	200.04	176.99	160.49	137.58	118.80
90.0	7.11	6.97	6.97	7.11	6.97	6.83	6.97	6.97	7.11
112.5	421.85	409.76	397.24	387.99	357.68	321.12	290.67	260.65	216.83
135.0	900.90	884.25	874.44	860.63	843.99	837.16	796.89	746.39	704.56
157.5	1244.21	1224.58	1214.19	1196.98	1183.03	1172.36	1153.58	1138.36	1126.27
180.0	1350.78	1334.70	1321.33	1311.08	1293.58	1279.07	1267.69	1248.34	1232.69
202.5	1231.84	1228.71	1212.77	1199.97	1190.01	1172.93	1158.56	1147.61	1127.12
225.0	916.12	906.73	894.50	885.68	869.88	856.37	845.13	817.81	767.44
247.5	438.64	429.11	416.59	400.08	387.42	353.70	297.07	261.51	220.67
270.0	4.41	3.70	3.13	2.85	2.42	2.28	2.28	2.13	2.28
292.5	208.44	206.73	198.90	192.07	186.53	169.31	149.11	133.46	109.27
315.0	477.62	470.65	463.68	456.71	450.02	444.90	436.36	428.97	422.71
337.5	646.22	641.67	634.56	624.45	618.91	611.51	604.25	598.28	588.17
360.0	711.24	704.13	698.87	690.04	682.50	677.10	669.56	659.60	653.62
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	645.37	633.56	616.49	594.58	552.60	526.28	490.43	453.58	406.91
22.5	585.61	563.13	549.05	509.07	474.64	447.60	401.79	364.51	317.99
45.0	382.01	359.39	327.95	287.26	262.50	233.62	210.14	198.62	185.39
67.5	103.01	97.60	98.60	102.01	108.84	110.12	106.14	103.44	99.31
90.0	7.11	6.83	6.83	6.83	6.40	6.54	6.40	6.26	6.12
112.5	201.75	193.50	199.61	205.45	210.29	205.88	201.18	194.35	185.81
135.0	630.29	568.82	521.73	459.70	425.55	403.78	373.90	356.83	353.27
157.5	1088.42	1015.72	967.91	900.90	848.68	759.62	669.13	617.91	568.40
180.0	1200.96	1162.26	1099.94	1050.43	982.14	892.93	837.73	743.68	669.98
202.5	1098.66	1057.83	975.88	906.87	853.24	779.68	685.92	630.29	564.98
225.0	723.19	652.06	603.26	520.02	456.28	420.57	380.59	355.55	340.75
247.5	195.20	182.97	182.40	196.77	207.30	217.26	212.99	208.29	199.47
270.0	2.13	2.13	2.28	1.99	1.99	1.99	1.99	1.99	1.99
292.5	96.89	90.49	87.79	94.47	96.46	99.02	95.33	92.76	89.21
315.0	406.91	380.73	358.97	321.12	289.68	250.27	235.47	210.71	199.05
337.5	579.35	570.53	539.37	506.51	481.18	437.50	401.65	374.05	328.38
360.0	645.37	633.56	616.49	594.58	552.60	526.28	490.43	453.58	406.91

## Intensity data(cd)

C/ $\gamma$ (°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	378.74	342.18	309.03	295.37	278.58	263.50	249.70	238.74	233.19
22.5	296.22	275.02	261.65	242.01	228.07	214.27	210.85	218.40	236.61
45.0	173.58	173.01	181.97	196.63	214.98	225.37	236.46	238.17	233.05
67.5	94.19	91.34	87.22	83.09	80.10	75.41	71.57	68.86	64.74
90.0	5.98	5.83	5.83	5.69	5.69	5.41	5.26	5.26	5.12
112.5	180.41	172.72	161.77	154.37	143.56	129.61	120.94	109.55	95.33
135.0	378.46	406.34	426.97	458.70	476.77	476.77	461.83	447.18	435.94
157.5	531.69	507.36	471.79	448.03	433.95	425.84	452.73	481.18	529.84
180.0	627.30	576.79	544.78	523.86	499.11	473.36	462.97	464.25	507.79
202.5	512.62	487.01	456.57	425.12	410.90	400.51	421.28	453.01	496.12
225.0	328.52	340.33	365.79	408.62	439.92	460.55	479.76	475.21	463.68
247.5	192.36	187.09	177.99	170.02	162.62	152.24	138.15	126.06	116.81
270.0	2.13	1.99	1.99	2.13	2.13	2.13	1.99	1.85	1.99
292.5	84.51	81.81	77.97	73.13	71.42	67.15	63.74	61.46	57.20
315.0	185.53	172.58	168.31	173.15	191.22	201.75	215.41	228.78	231.91
337.5	323.25	298.50	276.02	254.53	242.87	228.78	214.27	209.01	211.85
360.0	378.74	342.18	309.03	295.37	278.58	263.50	249.70	238.74	233.19
C/ $\gamma$ (°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	238.31	258.23	273.74	298.92	317.70	330.65	346.44	346.16	338.05
22.5	251.12	275.02	292.66	304.33	316.42	311.02	306.61	291.10	280.57
45.0	224.80	214.55	208.01	199.61	191.65	185.53	179.70	168.03	162.48
67.5	61.04	57.91	52.36	47.81	44.25	37.99	33.29	29.74	24.90
90.0	5.12	4.84	4.84	4.55	4.55	4.55	4.27	4.27	4.27
112.5	87.07	76.12	65.73	58.05	45.96	37.28	31.59	25.61	23.05
135.0	421.43	403.21	392.26	377.75	360.25	348.86	332.79	311.59	298.50
157.5	567.26	593.01	629.01	636.12	621.89	607.95	584.33	569.82	550.61
180.0	538.66	579.92	629.29	656.47	686.49	694.45	690.61	660.45	638.68
202.5	537.52	566.69	609.09	630.43	629.43	606.95	588.17	574.23	550.47
225.0	448.60	429.53	418.01	403.07	384.15	369.35	358.54	339.62	327.10
247.5	101.87	92.91	80.81	66.59	55.63	47.66	35.14	27.03	22.34
270.0	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.99
292.5	53.50	50.22	44.82	40.12	34.57	30.87	26.46	23.05	19.21
315.0	226.65	216.55	210.57	202.46	192.50	186.53	178.84	169.31	163.62
337.5	224.66	248.70	267.20	288.68	300.06	310.31	305.75	300.77	287.83
360.0	238.31	258.23	273.74	298.92	317.70	330.65	346.44	346.16	338.05
C/ $\gamma$ (°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	323.82	312.01	303.19	291.67	277.01	268.48	257.09	243.15	234.62
22.5	272.60	262.22	249.55	241.87	231.63	224.37	211.99	201.89	189.66
45.0	153.23	146.40	141.28	133.31	126.77	122.22	114.68	108.70	103.72
67.5	19.63	16.65	13.37	11.81	10.24	9.11	8.39	7.97	7.97
90.0	3.98	3.98	3.84	3.98	3.84	3.84	3.70	3.70	3.56
112.5	22.05	20.91	19.78	19.21	18.50	17.50	16.79	16.22	15.37
135.0	280.14	256.95	242.44	223.23	209.01	185.10	166.18	151.95	138.44
157.5	526.71	507.36	493.27	479.33	465.10	434.66	406.91	389.70	366.36
180.0	622.60	595.57	579.21	552.46	531.12	509.78	494.27	465.67	441.49
202.5	531.55	517.32	494.13	475.77	461.40	442.20	415.59	399.09	376.18
225.0	309.88	292.24	278.58	254.82	235.61	221.10	197.05	177.99	163.62
247.5	18.07	15.08	14.37	13.80	13.37	13.09	12.52	12.24	11.95
270.0	1.99	1.85	1.85	2.13	2.13	2.28	2.28	2.28	2.42
292.5	14.37	12.24	9.82	8.11	7.68	7.54	7.26	7.11	7.11
315.0	156.22	148.96	143.56	135.59	129.61	124.78	117.52	111.83	107.42
337.5	279.86	269.76	257.09	249.13	239.17	226.79	219.68	209.57	197.62
360.0	323.82	312.01	303.19	291.67	277.01	268.48	257.09	243.15	234.62

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Intensity data(cd)

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C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	223.52	209.86	201.61	191.22	178.42	171.02	161.20	149.68	142.56
22.5	187.38	173.44	162.48	155.94	147.54	139.57	133.31	121.65	111.40
45.0	96.46	86.93	81.10	73.27	63.46	57.62	49.51	40.12	34.57
67.5	7.83	7.54	7.11	7.11	7.11	6.97	6.69	6.54	6.40
90.0	3.70	3.70	3.56	3.84	3.56	3.70	3.70	3.56	3.56
112.5	14.65	14.23	13.80	13.37	12.80	12.09	11.95	11.67	10.96
135.0	111.69	98.60	81.95	62.60	52.07	41.69	33.44	30.73	28.31
157.5	348.44	317.56	292.52	260.94	242.01	217.40	192.93	175.00	145.55
180.0	428.82	390.69	364.80	344.74	311.16	284.13	263.78	229.78	203.03
202.5	347.16	328.80	303.90	272.18	253.40	228.50	197.91	185.53	155.51
225.0	140.71	122.64	109.41	87.79	71.57	59.90	46.38	35.28	31.02
247.5	11.81	11.24	11.24	10.81	10.39	10.10	9.96	9.67	9.67
270.0	2.56	2.70	2.70	2.70	2.85	2.99	2.99	2.99	3.27
292.5	6.83	6.69	6.40	6.54	6.26	6.40	6.26	6.26	6.26
315.0	99.17	91.63	85.94	76.40	68.58	62.74	52.93	47.09	39.55
337.5	190.37	181.12	169.88	163.19	154.66	144.27	138.15	129.76	117.81
360.0	223.52	209.86	201.61	191.22	178.42	171.02	161.20	149.68	142.56
C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	132.46	118.37	110.12	98.60	87.36	78.68	64.31	53.21	45.24
22.5	103.72	90.77	80.24	72.42	59.33	49.37	41.83	30.59	23.05
45.0	27.74	20.35	17.36	14.80	13.37	12.66	11.81	11.52	11.10
67.5	6.12	6.26	6.12	5.83	5.55	5.26	5.41	5.41	5.55
90.0	3.70	3.84	3.84	4.13	4.13	4.13	4.27	4.41	4.41
112.5	10.81	10.39	10.10	9.82	9.82	10.10	10.39	10.96	11.24
135.0	26.75	25.61	24.47	22.91	21.91	21.06	19.63	19.21	17.93
157.5	122.93	106.57	80.24	61.04	50.22	38.56	33.58	31.59	29.45
180.0	183.40	157.22	126.34	108.27	85.37	60.04	49.23	39.70	35.28
202.5	132.60	115.67	88.78	68.86	55.77	40.98	34.29	31.44	28.88
225.0	27.03	24.90	24.33	22.62	21.48	21.06	20.06	19.07	18.21
247.5	9.25	9.11	8.82	8.54	8.54	8.54	8.96	9.53	10.10
270.0	3.13	3.41	3.56	3.56	3.56	3.70	3.84	3.98	4.13
292.5	5.98	6.12	5.83	5.55	5.55	5.12	5.12	5.12	4.98
315.0	30.73	24.47	20.35	15.51	14.37	12.95	12.24	11.52	11.38
337.5	110.41	100.16	90.06	82.52	69.43	59.05	51.50	39.55	30.73
360.0	132.46	118.37	110.12	98.60	87.36	78.68	64.31	53.21	45.24
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	33.01	24.76	19.92	16.08	14.65	14.23	13.09	12.66	11.67
22.5	19.35	16.65	14.65	13.94	13.09	12.24	11.67	11.24	10.24
45.0	10.53	10.10	9.25	7.83	7.40	7.26	7.11	7.11	6.97
67.5	5.41	5.55	5.55	5.69	5.55	5.83	5.98	5.98	6.12
90.0	4.70	4.98	4.84	5.12	5.12	5.26	5.26	5.41	5.83
112.5	11.10	10.53	10.39	9.96	9.53	9.11	8.96	8.54	8.39
135.0	16.79	16.22	15.37	14.23	13.52	13.09	12.52	12.24	12.52
157.5	28.03	26.46	24.33	23.19	21.91	20.06	19.21	17.64	16.22
180.0	31.44	29.17	28.17	25.89	24.04	22.91	21.20	19.63	18.50
202.5	27.32	26.18	24.47	22.62	21.48	20.49	18.78	17.78	16.65
225.0	17.36	16.65	15.94	14.65	14.23	13.66	12.66	12.38	11.81
247.5	10.24	10.39	9.96	9.67	9.11	8.82	8.54	8.25	7.97
270.0	4.27	4.27	4.55	4.55	4.70	4.84	4.98	5.12	5.26
292.5	5.12	5.12	5.12	5.12	5.26	5.55	5.69	5.83	5.98
315.0	10.67	10.39	9.96	8.54	7.68	7.11	7.11	6.83	6.83
337.5	25.04	18.35	15.65	14.65	13.52	12.95	12.24	11.67	10.96
360.0	33.01	24.76	19.92	16.08	14.65	14.23	13.09	12.66	11.67



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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	10.81	10.24	9.82	9.11	8.54	8.11	7.68	7.40	7.11
22.5	10.10	9.53	8.96	8.68	8.11	7.40	6.97	6.83	6.83
45.0	6.83	6.83	6.97	6.97	7.26	7.11	6.97	6.97	6.83
67.5	5.98	6.26	6.40	6.40	6.54	6.54	6.69	6.69	6.69
90.0	5.83	5.98	5.98	6.12	6.26	6.26	6.26	6.54	6.69
112.5	7.83	7.54	7.26	6.97	6.69	6.97	6.69	6.69	6.54
135.0	12.95	13.37	12.80	11.67	11.10	10.53	9.25	8.54	7.68
157.5	15.79	14.37	13.37	12.80	13.23	13.66	13.52	12.24	10.96
180.0	16.79	15.51	14.51	13.37	12.66	12.80	13.37	12.66	11.52
202.5	15.37	14.23	13.52	12.66	12.66	13.23	13.37	12.80	10.96
225.0	11.81	12.52	12.95	12.80	11.81	11.10	10.24	9.39	8.68
247.5	7.83	7.40	7.26	6.83	6.40	6.40	6.40	6.26	6.40
270.0	5.41	5.69	5.55	5.83	5.83	5.98	6.12	6.26	6.12
292.5	5.98	5.98	6.26	6.12	6.26	6.26	6.54	6.54	6.54
315.0	6.69	6.54	6.83	6.83	7.11	7.11	6.83	6.97	6.83
337.5	10.24	9.67	9.39	8.82	8.54	7.40	6.97	6.97	6.69
360.0	10.81	10.24	9.82	9.11	8.54	8.11	7.68	7.40	7.11
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	6.97	6.69	6.69	6.40	6.69	6.40	6.69	6.54	6.69
22.5	6.83	6.69	6.69	6.54	6.69	6.83	6.69	6.69	6.83
45.0	6.83	6.69	6.83	6.97	6.83	6.83	6.83	6.69	6.69
67.5	6.83	6.83	6.83	6.83	6.83	6.83	6.83	6.97	6.97
90.0	6.69	6.69	6.54	6.83	6.83	6.83	6.69	6.69	6.69
112.5	6.54	6.54	6.83	6.69	6.54	6.69	6.69	6.97	6.83
135.0	6.97	6.83	6.83	6.69	6.54	6.54	6.54	6.69	6.69
157.5	10.24	8.54	7.54	6.83	6.97	6.40	6.54	6.54	6.54
180.0	10.39	8.68	7.97	7.26	6.54	6.54	6.54	6.54	6.69
202.5	10.10	8.96	7.83	6.83	6.54	6.40	6.40	6.40	6.54
225.0	7.97	7.26	6.83	6.69	6.40	6.40	6.54	6.69	6.69
247.5	6.40	6.40	6.40	6.54	6.40	6.40	6.69	6.83	6.69
270.0	6.54	6.40	6.40	6.54	6.54	6.69	6.69	6.69	6.69
292.5	6.54	6.69	6.54	6.69	6.83	6.83	6.97	6.83	6.97
315.0	6.69	6.83	6.69	6.69	6.69	6.83	6.97	6.83	6.69
337.5	6.69	6.54	6.69	6.54	6.69	6.69	6.83	6.83	6.83
360.0	6.97	6.69	6.69	6.40	6.69	6.40	6.69	6.54	6.69
C/γ(°)	180.0								
0.0	6.54								
22.5	6.54								
45.0	6.69								
67.5	6.83								
90.0	6.83								
112.5	6.83								
135.0	6.83								
157.5	6.69								
180.0	6.54								
202.5	6.54								
225.0	6.69								
247.5	6.83								
270.0	6.83								
292.5	6.83								
315.0	6.83								
337.5	6.69								
360.0	6.54								