LumCAT: E21080-01SN
Luminaire: E21080-01SN

Report No:	Voltage(V): 120.0500
Test No:	Current(A): 0.1040
LampCAT:	Power (W): 12.4200
Lamp flux(lm): -1.0	PF: 0.9948
Number of Lamps: 1	Ballast type:
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 510.68
Efficiency(%): 0.00%
Lumens(lm)/Power(W): 41.12
Central intensity(cd): 52.808
Maximum intensity(cd): 143.809
Angle of maximum intensity: C=300.0 γ=27.0
Beam Angle(50%Imax): [C0/180]Total=137.8
[C90/270]Total=130.6
Field angle(10%Imax): [C0/180]Total=324.5
[C90/270]Total=295.8
Maximum s/h(1/2): C0_180=1.59 C90_270=2.39
Maximum s/h(1/4): C0_180=1.64 C90_270=2.30
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 0.00%
Up flux rate of LUM(%): 27.10%
Down flux rate of LUM(%): 72.90%
CIE Type : Semidirect lighting
Output flux ratio in π solid angle : 48.844%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
0.0	53.242	.000	.000	.000%	.000%	.000%
1.0	53.557	.051	.051	.000%	.000%	.010%
2.0	54.056	.154	.206	.000%	.000%	.040%
3.0	54.946	.261	.466	.000%	.000%	.091%
4.0	55.938	.371	.837	.000%	.000%	.164%
5.0	57.404	.488	1.325	.000%	.000%	.259%
6.0	58.982	.612	1.937	.000%	.000%	.379%
7.0	60.586	.742	2.679	.000%	.000%	.525%
8.0	62.410	.880	3.559	.000%	.000%	.697%
9.0	64.140	1.026	4.585	.000%	.000%	.898%
10.0	65.877	1.177	5.761	.000%	.000%	1.128%
11.0	67.777	1.335	7.097	.000%	.000%	1.390%
12.0	69.517	1.501	8.598	.000%	.000%	1.684%
13.0	71.304	1.671	10.269	.000%	.000%	2.011%
14.0	73.298	1.851	12.120	.000%	.000%	2.373%
15.0	75.134	2.038	14.157	.000%	.000%	2.772%
16.0	76.932	2.228	16.386	.000%	.000%	3.209%
17.0	78.904	2.427	18.812	.000%	.000%	3.684%
18.0	80.803	2.633	21.446	.000%	.000%	4.199%
19.0	82.565	2.842	24.288	.000%	.000%	4.756%
20.0	84.464	3.057	27.345	.000%	.000%	5.355%
21.0	86.302	3.279	30.624	.000%	.000%	5.997%
22.0	88.212	3.507	34.131	.000%	.000%	6.683%
23.0	90.155	3.743	37.874	.000%	.000%	7.416%
24.0	91.847	3.979	41.853	.000%	.000%	8.196%
25.0	92.469	4.191	46.044	.000%	.000%	9.016%
26.0	93.614	4.392	50.436	.000%	.000%	9.876%
27.0	93.477	4.577	55.013	.000%	.000%	10.773%
28.0	94.021	4.747	59.761	.000%	.000%	11.702%
29.0	94.400	4.930	64.690	.000%	.000%	12.667%
30.0	94.114	5.090	69.780	.000%	.000%	13.664%
31.0	94.071	5.237	75.017	.000%	.000%	14.690%
32.0	93.805	5.382	80.399	.000%	.000%	15.744%
33.0	93.432	5.516	85.915	.000%	.000%	16.824%
34.0	93.352	5.653	91.568	.000%	.000%	17.931%
35.0	92.651	5.777	97.345	.000%	.000%	19.062%
36.0	91.720	5.870	103.215	.000%	.000%	20.211%
37.0	91.160	5.965	109.180	.000%	.000%	21.379%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
38.0	90.377	6.059	115.239	.000%	.000%	22.566%
39.0	90.409	6.171	121.410	.000%	.000%	23.774%
40.0	88.692	6.246	127.656	.000%	.000%	24.997%
41.0	87.516	6.275	133.931	.000%	.000%	26.226%
42.0	86.391	6.318	140.249	.000%	.000%	27.463%
43.0	85.473	6.366	146.615	.000%	.000%	28.710%
44.0	84.673	6.422	153.037	.000%	.000%	29.967%
45.0	82.731	6.434	159.471	.000%	.000%	31.227%
46.0	80.408	6.380	165.851	.000%	.000%	32.476%
47.0	79.093	6.344	172.195	.000%	.000%	33.719%
48.0	78.211	6.359	178.554	.000%	.000%	34.964%
49.0	77.480	6.394	184.947	.000%	.000%	36.216%
50.0	75.516	6.379	191.326	.000%	.000%	37.465%
51.0	72.503	6.262	197.589	.000%	.000%	38.691%
52.0	69.742	6.104	203.692	.000%	.000%	39.887%
53.0	68.304	6.005	209.697	.000%	.000%	41.062%
54.0	67.279	5.976	215.673	.000%	.000%	42.233%
55.0	66.528	5.973	221.646	.000%	.000%	43.402%
56.0	64.762	5.933	227.579	.000%	.000%	44.564%
57.0	61.173	5.758	233.337	.000%	.000%	45.691%
58.0	57.865	5.505	238.842	.000%	.000%	46.769%
59.0	56.235	5.334	244.176	.000%	.000%	47.814%
60.0	55.100	5.260	249.436	.000%	.000%	48.844%
61.0	53.969	5.205	254.641	.000%	.000%	49.863%
62.0	52.596	5.135	259.776	.000%	.000%	50.869%
63.0	50.789	5.028	264.804	.000%	.000%	51.853%
64.0	49.206	4.907	269.710	.000%	.000%	52.814%
65.0	48.236	4.822	274.533	.000%	.000%	53.758%
66.0	47.067	4.755	279.288	.000%	.000%	54.689%
67.0	45.586	4.659	283.947	.000%	.000%	55.602%
68.0	44.611	4.569	288.516	.000%	.000%	56.496%
69.0	43.679	4.504	293.020	.000%	.000%	57.378%
70.0	42.893	4.446	297.466	.000%	.000%	58.249%
71.0	41.776	4.376	301.842	.000%	.000%	59.106%
72.0	40.630	4.285	306.127	.000%	.000%	59.945%
73.0	39.985	4.216	310.343	.000%	.000%	60.770%
74.0	39.316	4.169	314.512	.000%	.000%	61.587%
75.0	38.568	4.115	318.627	.000%	.000%	62.393%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
76.0	37.651	4.046	322.673	.000%	.000%	63.185%
77.0	36.801	3.969	326.642	.000%	.000%	63.962%
78.0	36.051	3.900	330.542	.000%	.000%	64.726%
79.0	35.290	3.833	334.375	.000%	.000%	65.476%
80.0	34.434	3.759	338.134	.000%	.000%	66.213%
81.0	33.657	3.682	341.816	.000%	.000%	66.934%
82.0	32.923	3.611	345.427	.000%	.000%	67.641%
83.0	32.387	3.550	348.977	.000%	.000%	68.336%
84.0	31.764	3.495	352.472	.000%	.000%	69.020%
85.0	31.156	3.434	355.906	.000%	.000%	69.693%
86.0	30.634	3.378	359.284	.000%	.000%	70.354%
87.0	30.173	3.328	362.612	.000%	.000%	71.006%
88.0	29.659	3.277	365.889	.000%	.000%	71.647%
89.0	29.207	3.227	369.116	.000%	.000%	72.279%
90.0	28.815	3.181	372.297	.000%	.000%	72.902%
91.0	28.475	3.141	375.438	.000%	.000%	73.517%
92.0	28.140	3.103	378.541	.000%	.000%	74.125%
93.0	27.912	3.070	381.612	.000%	.000%	74.726%
94.0	27.756	3.047	384.658	.000%	.000%	75.323%
95.0	27.598	3.026	387.684	.000%	.000%	75.915%
96.0	27.574	3.011	390.695	.000%	.000%	76.505%
97.0	27.692	3.011	393.706	.000%	.000%	77.094%
98.0	27.821	3.018	396.724	.000%	.000%	77.685%
99.0	28.023	3.028	399.752	.000%	.000%	78.278%
100.0	28.191	3.040	402.792	.000%	.000%	78.874%
101.0	28.361	3.049	405.841	.000%	.000%	79.471%
102.0	28.530	3.057	408.897	.000%	.000%	80.069%
103.0	28.728	3.065	411.962	.000%	.000%	80.669%
104.0	28.884	3.072	415.034	.000%	.000%	81.271%
105.0	29.055	3.076	418.110	.000%	.000%	81.873%
106.0	29.028	3.069	421.179	.000%	.000%	82.474%
107.0	28.781	3.039	424.218	.000%	.000%	83.069%
108.0	28.327	2.986	427.204	.000%	.000%	83.654%
109.0	27.911	2.924	430.128	.000%	.000%	84.227%
110.0	27.495	2.864	432.992	.000%	.000%	84.787%
111.0	27.043	2.801	435.793	.000%	.000%	85.336%
112.0	26.643	2.739	438.532	.000%	.000%	85.872%
113.0	26.173	2.675	441.207	.000%	.000%	86.396%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
114.0	25.682	2.607	443.815	.000%	.000%	86.907%
115.0	25.204	2.539	446.354	.000%	.000%	87.404%
116.0	24.798	2.475	448.828	.000%	.000%	87.888%
117.0	24.282	2.408	451.236	.000%	.000%	88.360%
118.0	23.874	2.342	453.578	.000%	.000%	88.819%
119.0	23.527	2.284	455.863	.000%	.000%	89.266%
120.0	23.178	2.229	458.091	.000%	.000%	89.702%
121.0	22.972	2.180	460.272	.000%	.000%	90.129%
122.0	22.779	2.139	462.411	.000%	.000%	90.548%
123.0	22.626	2.100	464.510	.000%	.000%	90.959%
124.0	22.509	2.064	466.574	.000%	.000%	91.363%
125.0	22.488	2.033	468.607	.000%	.000%	91.761%
126.0	22.454	2.006	470.613	.000%	.000%	92.154%
127.0	22.391	1.977	472.590	.000%	.000%	92.541%
128.0	22.330	1.945	474.535	.000%	.000%	92.922%
129.0	22.299	1.915	476.450	.000%	.000%	93.297%
130.0	22.147	1.880	478.331	.000%	.000%	93.666%
131.0	21.925	1.838	480.168	.000%	.000%	94.025%
132.0	21.738	1.793	481.961	.000%	.000%	94.376%
133.0	21.472	1.747	483.708	.000%	.000%	94.719%
134.0	21.220	1.698	485.406	.000%	.000%	95.051%
135.0	21.006	1.651	487.058	.000%	.000%	95.374%
136.0	20.728	1.604	488.661	.000%	.000%	95.688%
137.0	20.374	1.551	490.213	.000%	.000%	95.992%
138.0	19.985	1.495	491.708	.000%	.000%	96.285%
139.0	19.587	1.438	493.145	.000%	.000%	96.566%
140.0	19.109	1.378	494.523	.000%	.000%	96.836%
141.0	18.607	1.315	495.839	.000%	.000%	97.094%
142.0	18.024	1.250	497.089	.000%	.000%	97.339%
143.0	17.475	1.185	498.274	.000%	.000%	97.571%
144.0	16.809	1.118	499.392	.000%	.000%	97.790%
145.0	16.134	1.049	500.441	.000%	.000%	97.995%
146.0	15.445	.981	501.422	.000%	.000%	98.187%
147.0	14.853	.917	502.339	.000%	.000%	98.367%
148.0	14.067	.852	503.191	.000%	.000%	98.533%
149.0	13.447	.788	503.979	.000%	.000%	98.688%
150.0	12.785	.730	504.709	.000%	.000%	98.831%
151.0	12.095	.672	505.381	.000%	.000%	98.962%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
152.0	11.437	.616	505.996	.000%	.000%	99.083%
153.0	10.792	.563	506.559	.000%	.000%	99.193%
154.0	10.113	.511	507.071	.000%	.000%	99.293%
155.0	9.500	.463	507.533	.000%	.000%	99.384%
156.0	8.905	.418	507.952	.000%	.000%	99.466%
157.0	8.282	.376	508.328	.000%	.000%	99.539%
158.0	7.676	.335	508.663	.000%	.000%	99.605%
159.0	7.153	.298	508.961	.000%	.000%	99.663%
160.0	6.634	.265	509.225	.000%	.000%	99.715%
161.0	6.133	.234	509.459	.000%	.000%	99.761%
162.0	5.597	.204	509.663	.000%	.000%	99.801%
163.0	5.123	.177	509.840	.000%	.000%	99.836%
164.0	4.611	.152	509.991	.000%	.000%	99.865%
165.0	4.130	.128	510.119	.000%	.000%	99.890%
166.0	3.695	.107	510.227	.000%	.000%	99.911%
167.0	3.308	.090	510.316	.000%	.000%	99.929%
168.0	2.946	.074	510.391	.000%	.000%	99.943%
169.0	2.663	.061	510.452	.000%	.000%	99.955%
170.0	2.443	.051	510.503	.000%	.000%	99.965%
171.0	2.229	.042	510.545	.000%	.000%	99.974%
172.0	2.056	.035	510.580	.000%	.000%	99.980%
173.0	1.887	.028	510.608	.000%	.000%	99.986%
174.0	1.706	.022	510.631	.000%	.000%	99.990%
175.0	1.558	.017	510.648	.000%	.000%	99.994%
176.0	1.424	.013	510.661	.000%	.000%	99.996%
177.0	1.303	.009	510.670	.000%	.000%	99.998%
178.0	1.244	.006	510.676	.000%	.000%	99.999%
179.0	1.199	.004	510.679	.000%	.000%	100.000%
180.0	1.203	.001	510.680	.000%	.000%	100.000%

Zonal flux distribution table

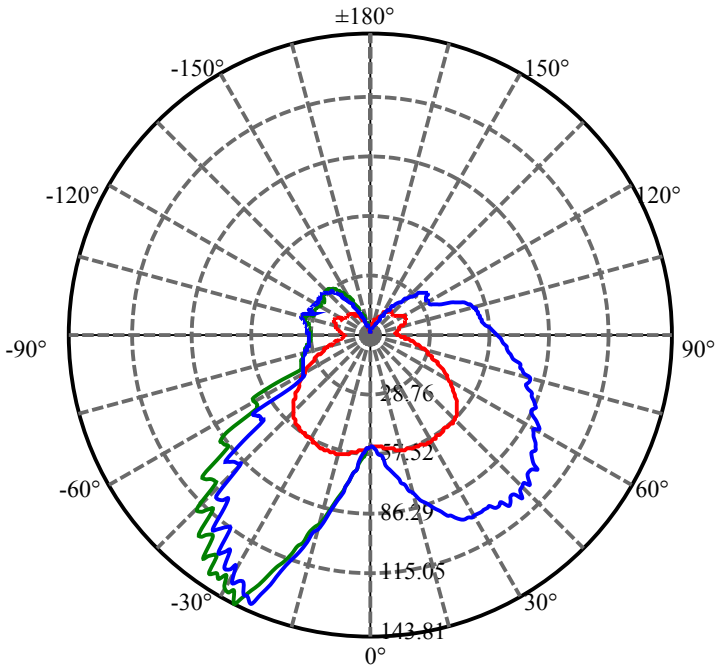
ZONAL LUMEN SUMMARY

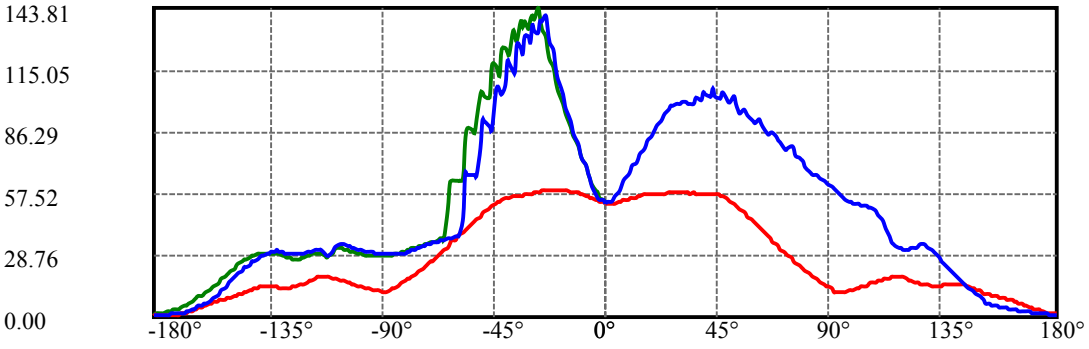
Zone	Lumens	%Lamp	%Fixt
0-30	69.78	N.A.	13.66%
0-40	127.66	N.A.	25.00%
0-60	249.44	N.A.	48.84%
0-90	372.30	N.A.	72.90%
0-120	458.09	N.A.	89.70%
0-180	510.68	N.A.	100.00%
60-90	128.12	N.A.	25.09%
90-120	88.98	N.A.	17.42%
90-130	109.22	N.A.	21.39%
90-150	135.59	N.A.	26.55%
90-180	141.56	N.A.	27.72%
0-101.88	408.54	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	5.76
10-20	21.58
20-30	42.43
30-40	57.88
40-50	63.67
50-60	58.11
60-70	48.03
70-80	40.67
80-90	34.16
90-100	30.50
100-110	30.20
110-120	25.10
120-130	20.24
130-140	16.19
140-150	10.19
150-160	4.52
160-170	1.28
170-180	0.18

Light Distribution Curve [Unit:cd]





C300(Max):

C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:135.3 Right:189.3
:C90/270Left:127.4 Right:168.3

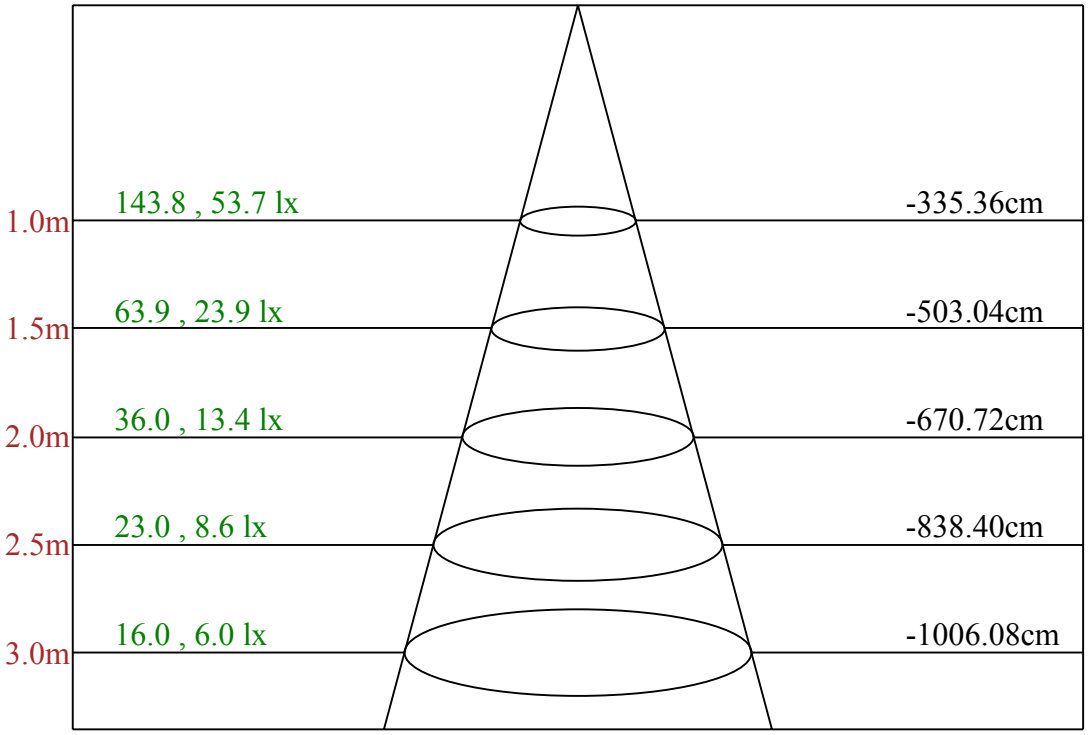
Beam Angle(50%Imax):C0/180Left:42.8 Right:94.9
:C90/270Left:26.7 Right:103.9

Equipment: GMS 2000
Temperature(°C): 25.0

Date: 2017-1-12
Humidity(%): 60.0%

Operator: 王少
Distance(m): 14.08

Lux distance Curve



Max , Ave

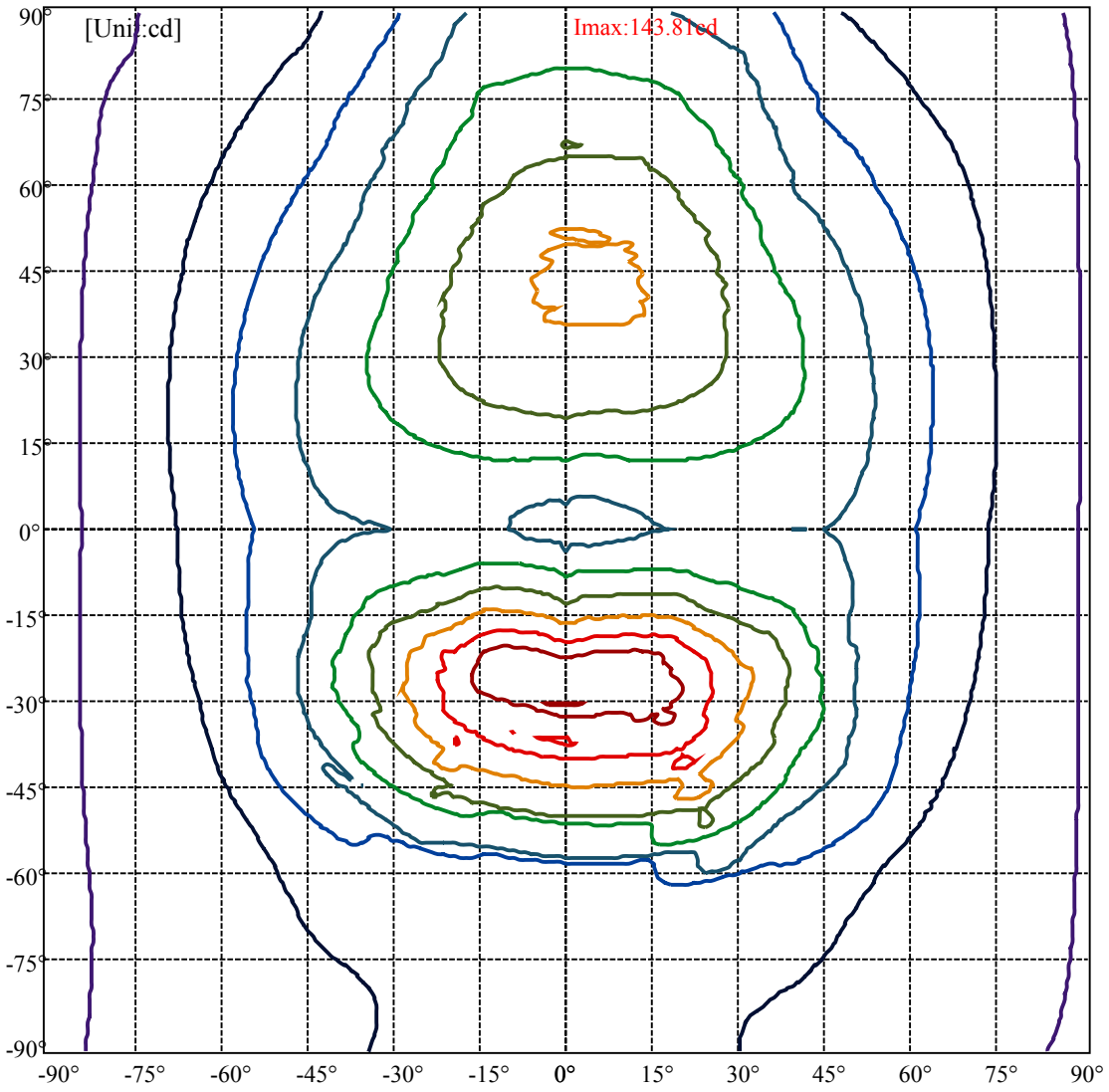
Beam angle of C300plane254.59

Equipment: GMS 2000
Temperature(°C): 25.0

Date: 2017-1-12
Humidity(%): 60.0%

Operator: 王少
Distance(m): 14.08

ISO-Intensity(V-H)



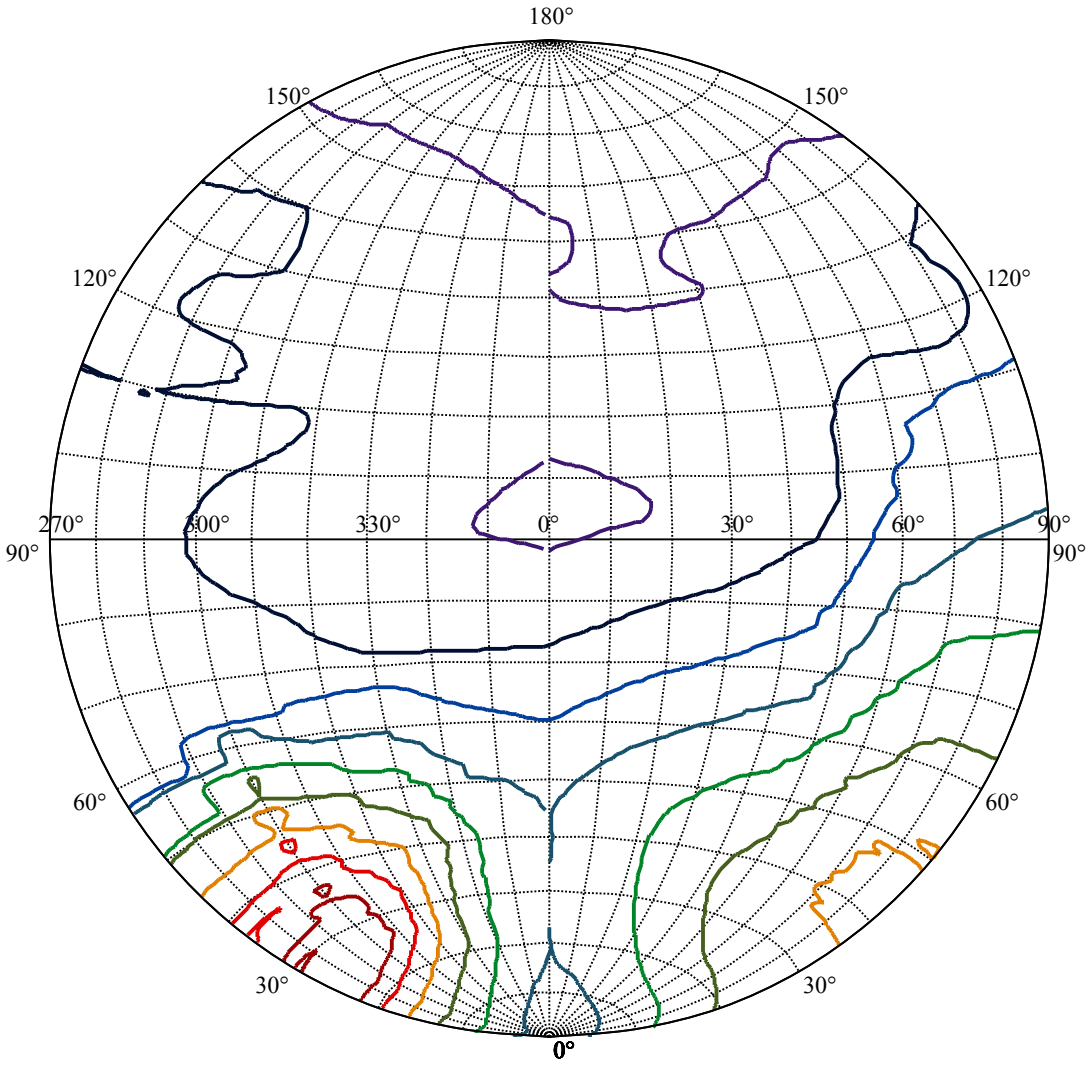
(10%Imax) 14.2954
(20%Imax) 28.5908
(30%Imax) 42.8862
(40%Imax) 57.1816
(50%Imax) 71.4771
(60%Imax) 85.7725
(70%Imax) 100.068
(80%Imax) 114.363
(90%Imax) 128.659

Equipment: GMS 2000
Temperature(°C): 25.0

Date: 2017-1-12
Humidity(%): 60.0%

Operator: 王少
Distance(m): 14.08

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:143.81

(10%Imax) 14.3809
(20%Imax) 28.7618
(30%Imax) 43.1427
(40%Imax) 57.5237
(50%Imax) 71.9046
(60%Imax) 86.2855
(70%Imax) 100.666
(80%Imax) 115.047
(90%Imax) 129.428

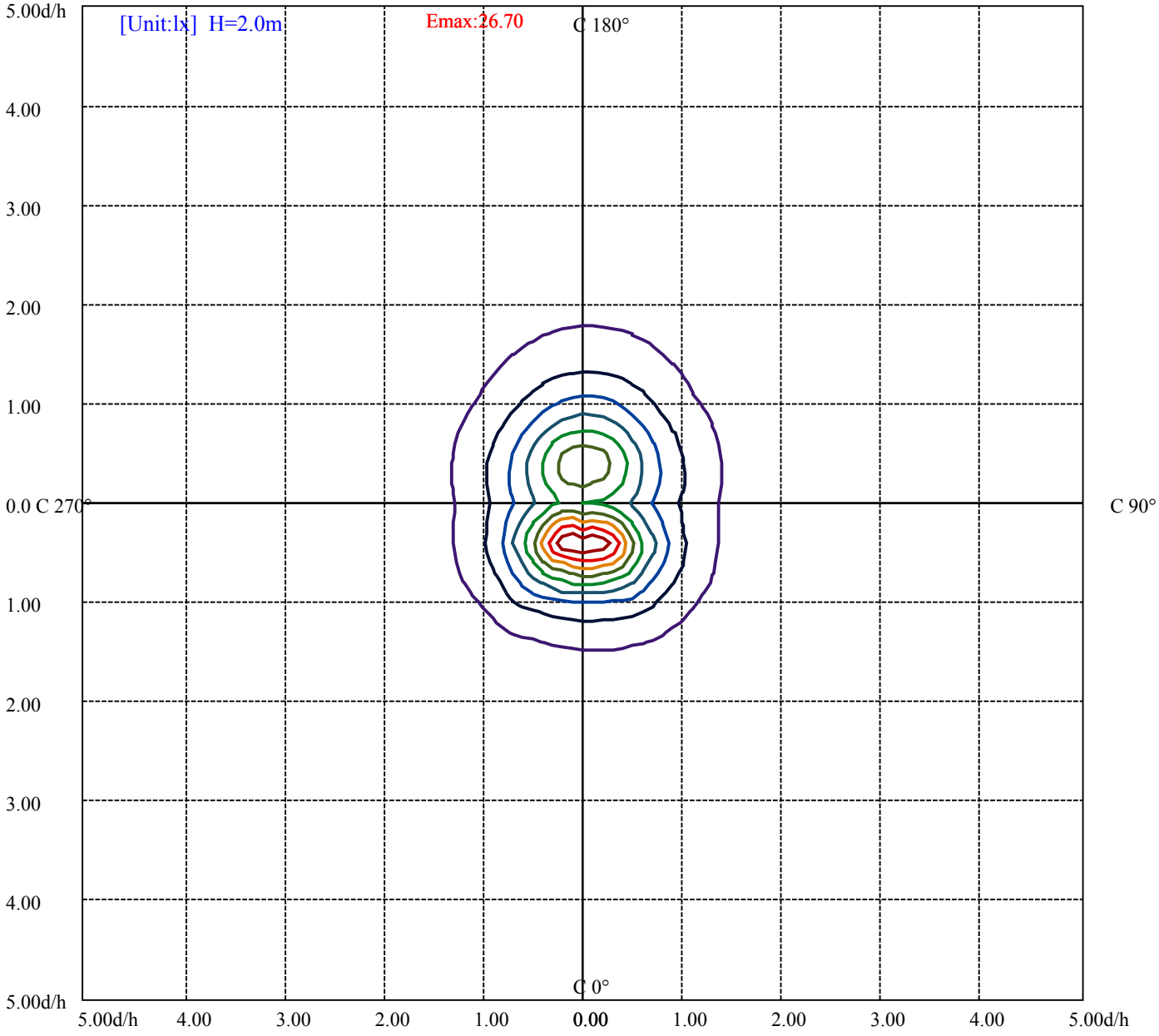
Equipment: GMS 2000
Temperature(°C): 25.0

Date: 2017-1-12
Humidity(%): 60.0%

Operator: 王少
Distance(m): 14.08

E21080-01SN

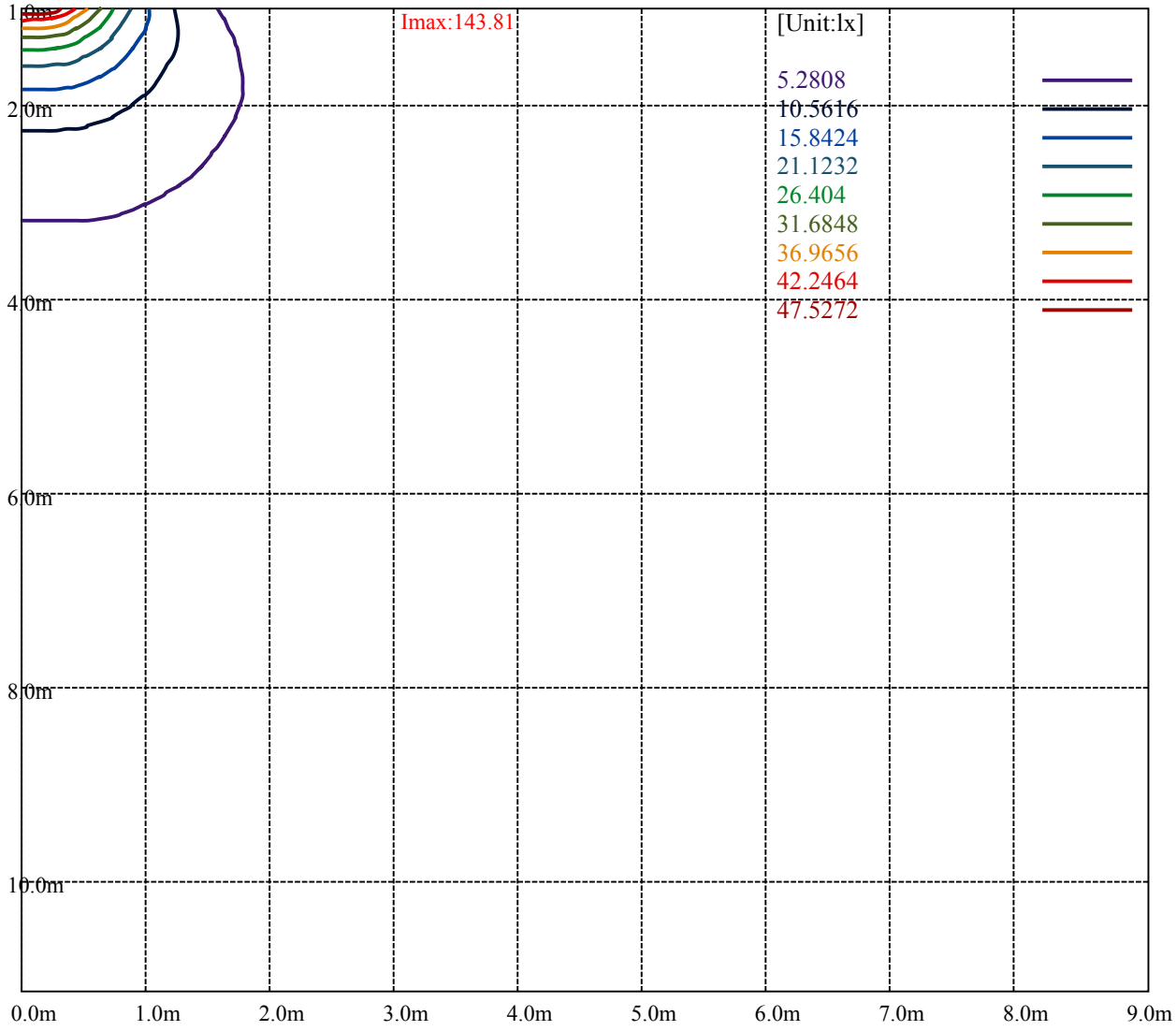
ISO illuminance diagram



(10%Emax) 2.669775
(20%Emax) 5.33955
(30%Emax) 8.0093
(40%Emax) 10.67908
(50%Emax) 13.34885
(60%Emax) 16.01863
(70%Emax) 18.6884
(80%Emax) 21.35818
(90%Emax) 24.02793

Equipment: GMS 2000
Temperature(°C): 25.0
Date: 2017-1-12
Humidity(%): 60.0%
Operator: 王少
Distance(m): 14.08

Space ISO Lux diagram



Equipment: GMS 2000
Temperature(°C): 25.0

Date: 2017-1-12
Humidity(%): 60.0%

Operator: 王少
Distance(m): 14.08

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	52.81	52.87	52.95	52.97	52.99	53.22	53.66	54.08	54.32
15.0	53.20	52.67	52.53	52.51	52.39	52.57	53.11	53.72	54.24
30.0	53.28	52.49	52.31	52.45	52.81	53.24	53.98	54.77	55.49
45.0	53.24	52.67	52.23	52.89	53.62	54.02	54.87	56.52	57.65
60.0	53.32	52.79	52.47	53.13	53.68	55.21	56.64	57.71	59.33
75.0	53.22	52.75	52.81	53.60	54.28	55.58	57.73	59.21	61.22
90.0	52.87	53.24	53.98	54.71	56.54	58.38	59.89	62.41	64.35
105.0	53.32	53.09	53.46	54.10	55.17	56.64	58.30	60.26	62.78
120.0	53.52	53.26	53.62	54.26	55.29	56.50	57.61	59.79	61.59
135.0	53.44	53.40	53.80	54.28	55.25	56.08	56.97	58.20	59.99
150.0	53.26	53.42	53.84	54.22	54.79	55.66	56.08	56.71	57.63
165.0	53.13	53.66	53.96	54.26	54.63	54.95	55.33	55.98	56.32
180.0	53.15	53.62	54.02	54.61	54.77	55.11	55.54	55.88	56.52
195.0	53.40	54.20	54.73	55.54	55.52	55.66	56.16	57.19	57.94
210.0	53.28	54.35	55.07	56.36	57.57	58.62	60.68	62.60	64.17
225.0	53.24	54.67	55.52	56.97	59.37	61.18	63.91	67.34	69.45
240.0	53.32	54.51	56.26	57.73	60.44	64.45	66.85	69.96	73.02
255.0	53.22	54.33	55.80	57.45	60.94	64.17	66.81	70.22	74.22
270.0	52.87	54.20	54.43	55.80	57.27	60.84	64.27	66.79	70.62
285.0	53.32	54.37	55.80	57.73	59.65	63.64	67.56	69.76	73.03
300.0	53.52	54.18	55.29	58.08	58.76	62.01	64.73	66.89	70.62
315.0	53.44	53.98	54.69	56.22	57.23	58.86	61.91	63.14	65.90
330.0	53.26	53.48	54.28	54.89	55.31	56.48	57.77	58.90	60.86
345.0	53.13	53.15	53.50	53.98	54.26	54.63	55.23	56.04	56.62
360.0	52.81	52.87	52.95	52.97	52.99	53.22	53.66	54.08	54.32

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	54.67	54.97	55.25	55.72	56.08	56.36	56.73	56.91	57.09
15.0	54.87	55.58	56.08	56.69	57.45	57.94	58.54	59.15	59.63
30.0	56.81	58.02	58.90	60.58	61.83	62.80	64.31	65.44	66.23
45.0	59.31	60.58	62.58	64.27	66.29	67.52	69.03	70.91	72.02
60.0	61.59	63.06	64.94	67.22	68.63	70.44	72.72	74.09	75.91
75.0	63.79	65.26	67.22	69.07	70.46	72.78	74.74	76.19	78.63
90.0	65.86	68.24	70.16	71.67	73.67	76.21	77.73	79.66	82.04
105.0	64.73	66.17	68.53	70.40	71.79	74.07	75.08	77.42	79.26
120.0	62.98	65.26	67.01	68.34	70.42	72.06	73.25	75.24	76.80
135.0	61.14	62.74	64.63	65.70	66.99	68.59	69.49	70.62	72.04
150.0	58.36	59.53	60.54	61.26	62.51	63.48	64.21	65.26	66.07
165.0	56.85	57.39	57.61	58.00	58.20	58.40	58.78	59.13	59.41
180.0	56.89	57.23	57.73	58.00	58.10	58.42	58.62	58.74	58.78
195.0	59.07	59.97	61.02	62.07	62.92	64.07	64.96	65.14	65.52
210.0	66.69	68.65	70.04	71.88	73.83	75.16	77.06	79.60	80.39
225.0	72.18	75.32	76.66	80.03	82.77	84.81	88.42	91.32	93.56
240.0	75.26	79.22	82.34	84.79	89.02	92.51	95.09	99.61	103.36
255.0	76.72	80.15	84.62	87.29	91.34	96.28	98.95	103.12	108.69
270.0	73.57	75.91	80.25	83.74	86.50	91.24	95.70	98.62	103.85
285.0	75.43	78.79	83.09	85.65	89.18	93.78	97.56	100.82	105.02
300.0	73.35	75.63	79.40	82.63	85.17	88.40	92.59	95.36	98.97
315.0	69.35	71.41	73.79	76.23	78.21	81.50	84.14	86.18	89.71
330.0	62.49	63.83	65.92	68.49	69.98	71.88	74.26	75.65	77.50
345.0	57.39	58.12	58.36	58.66	59.97	60.44	61.24	62.21	63.20
360.0	54.67	54.97	55.25	55.72	56.08	56.36	56.73	56.91	57.09

Intensity data(cd)

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	57.19	57.29	57.33	57.45	57.47	57.51	57.59	57.65	57.83
15.0	60.38	60.94	61.32	62.05	62.56	62.90	63.52	63.89	64.21
30.0	67.26	68.47	69.17	70.06	71.07	71.63	72.30	73.07	73.55
45.0	73.47	75.12	76.11	77.38	78.25	79.34	80.59	81.46	82.12
60.0	78.15	79.48	81.19	83.23	84.46	86.04	87.63	88.78	90.64
75.0	80.55	81.94	84.32	86.14	87.53	89.81	91.64	93.08	95.32
90.0	83.54	85.41	87.67	89.06	90.88	93.18	94.59	96.34	98.02
105.0	80.63	82.85	84.66	86.76	88.01	89.71	91.02	93.12	94.67
120.0	77.89	79.34	81.07	82.06	83.33	84.87	85.75	86.96	88.32
135.0	72.88	73.95	75.10	75.53	76.53	77.26	77.83	78.69	79.18
150.0	66.61	67.42	68.06	68.47	69.11	69.64	70.04	70.52	70.83
165.0	59.79	60.09	60.32	60.74	61.12	61.43	61.87	62.07	62.21
180.0	58.80	58.74	58.82	58.74	58.86	58.94	58.80	58.66	58.24
195.0	66.11	66.21	65.46	66.57	66.07	67.50	68.63	68.22	68.91
210.0	80.93	81.48	81.84	82.49	82.89	84.85	83.86	86.48	87.59
225.0	97.25	100.38	102.28	102.88	105.40	104.98	107.50	107.46	108.39
240.0	106.25	111.19	114.28	118.80	124.67	129.41	133.56	138.20	138.99
255.0	112.06	116.96	123.38	126.38	133.38	138.51	141.87	136.71	139.21
270.0	108.63	112.08	117.16	123.98	128.06	133.99	140.56	137.70	137.52
285.0	110.73	114.38	119.42	123.36	130.66	136.17	140.04	138.57	139.35
300.0	103.75	106.63	110.75	116.11	119.64	124.26	130.44	134.27	139.17
315.0	92.53	94.75	98.58	101.63	103.77	107.68	110.61	113.27	117.24
330.0	79.82	81.17	82.97	85.23	86.52	87.37	87.83	87.91	88.64
345.0	64.07	65.30	65.90	66.15	66.85	66.71	66.27	66.17	66.57
360.0	57.19	57.29	57.33	57.45	57.47	57.51	57.59	57.65	57.83

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	58.12	58.06	58.18	58.00	58.02	57.98	57.65	57.59	57.67
15.0	64.73	65.18	65.42	65.76	66.01	66.09	66.21	66.37	66.45
30.0	74.15	74.78	75.10	75.49	75.83	76.21	76.49	76.56	76.70
45.0	83.15	84.02	84.62	85.51	86.08	86.70	87.35	87.61	87.95
60.0	92.09	93.16	94.77	96.00	96.43	96.75	96.85	96.95	96.79
75.0	97.05	97.98	98.58	99.13	99.37	99.63	99.75	99.67	99.57
90.0	98.48	98.93	99.21	99.51	99.65	99.63	99.53	99.33	99.11
105.0	95.76	97.37	97.86	98.18	98.46	98.54	98.50	98.32	97.96
120.0	89.16	90.19	91.30	92.01	92.47	92.55	92.39	92.21	91.97
135.0	79.76	80.37	80.83	81.11	81.46	81.68	81.88	82.06	82.04
150.0	71.25	71.49	71.75	71.83	71.92	71.94	71.94	71.83	71.92
165.0	62.35	62.45	62.52	62.54	62.64	62.64	62.60	62.60	62.68
180.0	57.88	57.71	57.61	57.27	56.93	56.85	56.54	56.48	56.60
195.0	69.11	68.16	68.63	68.83	69.19	69.27	69.33	69.17	68.49
210.0	86.20	88.66	89.39	89.24	89.81	90.45	91.89	93.44	92.23
225.0	112.99	112.48	115.31	120.23	112.22	112.02	113.83	110.57	109.25
240.0	135.54	138.22	133.10	133.26	130.76	125.90	129.25	124.71	120.87
255.0	131.79	135.74	128.98	128.76	131.77	122.35	123.15	126.48	120.03
270.0	132.53	132.90	135.48	127.39	130.42	130.56	122.55	124.87	126.52
285.0	133.95	134.35	137.58	129.91	130.88	133.40	123.50	124.63	128.04
300.0	143.81	138.40	140.10	138.47	134.09	137.15	135.22	137.15	128.28
315.0	118.82	118.72	120.94	121.50	122.69	122.77	124.26	120.43	119.16
330.0	88.26	88.84	89.69	89.97	92.23	91.54	92.98	93.24	94.83
345.0	66.53	68.35	68.63	68.85	68.34	68.73	68.73	68.18	68.51
360.0	58.12	58.06	58.18	58.00	58.02	57.98	57.65	57.59	57.67

Intensity data(cd)

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	57.37	57.25	57.25	57.15	57.09	57.13	57.29	57.39	57.33
15.0	66.55	66.67	66.73	66.79	66.85	66.79	66.71	66.67	66.65
30.0	76.80	76.84	76.82	76.70	76.56	76.45	76.03	75.73	75.28
45.0	87.95	87.85	87.39	86.92	86.60	85.77	85.01	84.32	83.27
60.0	96.53	96.28	95.70	95.19	94.73	94.13	95.60	93.56	92.69
75.0	99.77	101.95	100.84	104.45	104.03	102.72	103.38	102.07	101.95
90.0	101.85	102.05	100.74	104.72	103.91	102.54	102.82	106.67	103.10
105.0	97.68	97.25	96.73	96.89	97.13	97.35	97.70	95.66	96.61
120.0	91.62	90.90	90.15	88.74	87.87	87.57	87.83	85.98	87.17
135.0	81.90	81.54	81.05	80.89	79.52	78.49	77.97	76.94	75.67
150.0	71.79	71.59	71.29	70.93	70.62	70.28	69.68	68.97	68.63
165.0	62.66	62.60	62.49	62.49	62.43	62.33	61.87	61.32	60.90
180.0	56.12	55.94	55.76	55.47	55.19	54.57	53.80	53.28	52.49
195.0	68.79	66.47	65.02	64.61	63.04	62.92	63.06	61.04	60.48
210.0	92.53	89.43	89.51	90.92	84.89	82.73	81.13	78.37	79.14
225.0	106.41	104.15	105.16	102.28	96.28	96.18	96.39	89.57	89.89
240.0	122.83	123.03	111.27	112.12	115.19	115.27	102.96	100.44	102.48
255.0	113.92	116.17	119.18	114.18	102.58	105.24	106.51	106.77	90.47
270.0	114.12	114.16	117.79	118.82	107.94	103.20	105.74	106.85	104.15
285.0	124.16	114.60	118.17	119.64	115.29	103.91	105.26	106.92	107.76
300.0	130.17	132.68	122.55	123.11	125.31	124.45	112.75	114.30	116.58
315.0	115.95	114.78	112.02	109.05	109.30	106.35	102.68	99.94	101.45
330.0	94.23	94.09	96.00	97.84	97.33	95.11	93.72	92.88	92.77
345.0	69.58	69.56	69.45	69.92	68.93	68.91	67.48	65.72	65.24
360.0	57.37	57.25	57.25	57.15	57.09	57.13	57.29	57.39	57.33

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	56.91	56.58	56.08	55.25	54.63	53.82	52.97	51.98	51.18
15.0	66.49	66.09	65.84	65.06	64.23	63.60	62.45	61.47	60.66
30.0	74.54	74.13	73.37	72.40	71.53	70.85	69.80	68.39	67.52
45.0	82.36	83.84	81.54	80.49	81.78	78.31	76.74	77.28	74.60
60.0	93.40	91.62	91.08	91.60	90.27	88.94	90.37	88.78	87.13
75.0	101.97	102.96	99.96	101.47	99.67	100.56	98.20	98.99	96.45
90.0	101.79	101.39	104.19	101.55	99.89	99.98	102.58	99.07	96.41
105.0	95.82	94.55	93.96	96.26	93.60	93.06	92.67	91.95	90.53
120.0	85.17	83.70	84.71	82.83	81.22	80.41	81.68	78.03	77.28
135.0	74.82	73.81	72.40	71.39	70.14	68.59	67.78	66.43	65.04
150.0	67.92	66.77	65.88	64.92	63.58	62.70	61.39	59.87	59.05
165.0	59.93	59.03	58.44	57.29	56.30	55.39	54.02	52.95	52.13
180.0	51.52	50.84	50.13	48.88	47.99	46.80	45.53	44.84	43.88
195.0	58.74	56.44	55.11	54.83	54.81	53.72	50.57	49.71	49.69
210.0	79.06	74.58	73.63	67.54	64.27	64.19	64.01	62.86	57.92
225.0	90.60	84.32	77.83	74.07	75.39	77.08	74.90	63.77	58.56
240.0	103.40	96.41	84.50	85.03	86.26	86.54	85.41	67.46	63.12
255.0	87.79	89.43	90.43	90.70	86.64	66.13	66.17	66.39	66.67
270.0	87.57	88.13	89.26	90.80	91.00	78.90	65.86	65.78	65.88
285.0	97.64	88.32	89.47	90.55	91.40	90.45	77.02	65.96	66.29
300.0	117.02	103.22	101.51	102.54	104.17	103.89	92.25	86.08	86.64
315.0	100.62	95.70	89.69	90.43	90.62	89.04	77.44	75.24	75.51
330.0	86.74	84.42	84.85	79.42	78.90	78.77	74.48	75.00	71.29
345.0	63.73	63.50	64.37	61.75	61.24	60.66	55.78	55.52	55.82
360.0	56.91	56.58	56.08	55.25	54.63	53.82	52.97	51.98	51.18

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	50.17	48.88	48.01	46.82	45.35	44.50	43.39	41.86	41.01
15.0	59.29	58.14	57.33	55.88	54.55	53.58	51.99	50.71	49.67
30.0	66.35	65.62	63.93	62.72	61.14	60.22	59.09	57.31	56.26
45.0	72.56	71.63	71.13	68.43	67.11	67.05	65.12	63.40	61.34
60.0	85.77	86.94	84.36	83.05	81.86	81.15	80.65	79.28	76.60
75.0	97.35	95.88	93.98	94.65	92.41	90.66	90.92	90.15	89.89
90.0	94.57	96.26	95.19	94.02	92.09	90.68	90.33	92.43	90.07
105.0	89.85	87.79	88.46	87.85	85.39	84.36	84.12	83.37	82.67
120.0	77.56	75.49	74.32	73.05	73.21	71.90	70.12	68.18	67.26
135.0	64.19	62.52	61.18	60.09	58.34	57.53	56.32	54.61	53.26
150.0	57.79	56.40	55.39	53.72	52.39	51.22	49.54	48.19	46.56
165.0	50.65	49.38	48.49	46.98	45.77	44.72	43.51	41.92	41.03
180.0	42.46	41.47	40.45	39.14	38.83	37.18	36.11	35.36	33.81
195.0	48.39	45.05	44.16	43.82	42.50	41.74	37.92	36.79	36.59
210.0	56.52	56.71	56.22	52.69	49.10	48.52	47.91	47.26	43.11
225.0	56.95	58.06	58.36	48.17	46.28	46.18	45.97	45.39	45.01
240.0	63.36	63.28	63.22	62.60	54.85	37.28	36.86	36.45	36.01
255.0	67.05	66.27	54.28	40.59	38.29	37.97	37.70	37.24	36.98
270.0	66.13	66.45	66.03	46.40	38.09	37.58	37.18	36.98	36.69
285.0	66.55	67.30	67.18	64.47	40.31	38.19	37.72	37.48	37.14
300.0	87.19	87.63	81.42	65.14	63.28	63.32	63.38	63.46	62.01
315.0	75.39	73.75	67.42	65.24	59.51	57.33	54.95	46.88	45.65
330.0	63.50	62.54	62.43	61.69	58.08	57.84	56.02	55.25	49.54
345.0	55.13	53.22	51.34	50.92	50.01	48.92	45.59	45.33	44.14
360.0	50.17	48.88	48.01	46.82	45.35	44.50	43.39	41.86	41.01

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	39.88	38.41	37.48	36.27	35.02	34.11	32.78	31.65	30.80
15.0	48.39	46.74	45.71	44.32	42.71	41.72	40.37	38.79	37.84
30.0	55.17	53.15	52.09	50.65	49.50	48.09	45.99	44.78	43.63
45.0	61.53	59.99	58.66	55.70	54.83	55.29	53.38	52.17	49.67
60.0	75.75	76.43	73.73	72.66	72.56	70.64	69.41	69.68	68.95
75.0	86.76	85.94	85.63	84.46	84.16	82.79	81.36	80.45	78.96
90.0	88.05	85.81	85.29	86.12	85.65	84.26	82.32	81.62	79.02
105.0	81.84	81.09	79.70	79.84	80.07	77.93	76.86	75.99	74.60
120.0	67.84	66.33	65.06	63.34	61.93	60.98	61.67	59.99	58.48
135.0	52.47	51.10	49.83	48.74	47.32	46.20	45.49	44.26	43.37
150.0	45.65	44.22	43.21	41.62	40.47	39.48	37.99	36.84	36.11
165.0	39.76	38.17	37.28	36.13	34.60	33.63	32.46	31.03	30.18
180.0	32.42	31.61	30.28	29.31	28.48	27.21	26.18	25.48	24.27
195.0	35.34	34.31	32.28	29.19	28.48	27.90	26.87	25.96	25.46
210.0	39.50	39.05	38.33	37.28	30.84	28.97	28.30	27.46	27.13
225.0	36.77	33.22	32.80	32.42	31.89	31.59	31.21	30.74	30.46
240.0	35.73	35.40	35.10	34.64	34.23	33.75	33.45	33.08	32.72
255.0	36.75	36.31	35.97	35.71	35.20	34.82	34.54	34.11	33.67
270.0	36.35	36.13	35.87	35.54	35.26	34.84	34.50	34.23	33.75
285.0	36.88	36.53	36.21	35.91	35.56	35.06	34.78	34.43	33.91
300.0	49.97	36.96	36.45	36.19	35.73	35.26	35.00	34.64	34.17
315.0	45.47	45.15	44.58	40.61	33.53	32.58	32.07	32.05	31.69
330.0	47.83	47.39	46.80	46.03	40.14	38.31	37.16	36.69	33.95
345.0	42.83	41.50	39.32	36.92	35.93	35.24	34.13	33.31	29.82
360.0	39.88	38.41	37.48	36.27	35.02	34.11	32.78	31.65	30.80

Intensity data(cd)

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	29.37	28.28	27.48	26.24	25.16	24.33	23.02	22.03	21.36
15.0	36.47	34.90	33.97	32.78	31.21	30.36	29.19	28.04	27.15
30.0	41.90	40.55	39.60	38.15	37.12	35.81	34.43	33.43	32.20
45.0	48.78	49.22	47.30	44.90	43.86	42.46	42.38	41.78	39.20
60.0	67.96	66.95	65.92	65.12	63.89	63.26	62.82	62.49	60.11
75.0	77.48	76.56	75.75	75.43	75.12	72.12	70.95	69.96	68.59
90.0	77.77	78.31	79.50	78.65	75.34	73.85	73.13	72.58	70.00
105.0	73.49	73.53	72.94	72.46	71.85	70.69	69.70	68.02	67.30
120.0	56.73	55.96	55.33	55.09	53.70	52.67	51.42	49.77	48.86
135.0	42.00	40.93	39.68	39.01	37.70	36.37	35.64	34.60	33.35
150.0	34.76	33.33	32.54	31.45	30.04	29.21	28.18	26.87	26.16
165.0	29.03	27.64	27.17	25.80	24.75	23.92	22.67	21.73	21.02
180.0	23.30	22.59	21.44	20.56	19.89	19.06	18.01	17.43	16.64
195.0	24.77	23.92	23.36	22.47	21.56	21.12	20.33	19.61	19.37
210.0	26.55	26.14	25.76	25.22	24.83	24.51	24.07	23.54	23.24
225.0	30.10	29.61	29.43	28.95	28.56	28.22	27.72	27.37	27.13
240.0	32.48	31.97	31.59	31.31	30.82	30.56	30.18	29.75	29.49
255.0	33.37	32.92	32.30	32.01	31.53	31.07	30.80	30.46	30.22
270.0	33.35	33.14	32.58	32.11	31.71	31.13	30.72	30.38	29.90
285.0	33.53	33.26	32.80	32.38	31.95	31.39	31.17	30.74	30.34
300.0	33.81	33.39	32.88	32.58	32.16	31.81	31.55	31.01	30.56
315.0	31.19	30.76	30.48	30.04	29.59	29.33	28.91	28.42	28.14
330.0	28.36	27.94	27.11	26.31	25.98	25.52	24.93	24.59	24.11
345.0	28.54	27.86	26.69	26.61	25.32	24.45	23.30	22.35	21.97
360.0	29.37	28.28	27.48	26.24	25.16	24.33	23.02	22.03	21.36

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	20.46	19.26	18.56	17.71	16.66	16.10	15.35	14.46	13.90
15.0	25.66	24.59	23.82	23.30	21.58	20.84	19.67	18.72	18.03
30.0	31.03	29.45	28.67	27.66	26.18	25.36	24.35	23.62	22.37
45.0	37.99	37.18	35.87	34.84	34.15	33.12	31.87	31.17	30.22
60.0	59.71	58.98	58.50	56.26	55.68	54.71	54.00	52.77	51.50
75.0	66.00	64.75	63.81	62.76	62.15	61.24	60.20	59.87	58.66
90.0	68.32	67.38	66.35	65.72	64.90	63.89	63.24	62.37	61.30
105.0	65.98	64.83	64.35	64.23	63.58	63.06	62.62	61.12	59.87
120.0	47.95	46.90	46.28	45.43	44.34	43.67	42.83	41.76	41.13
135.0	32.68	31.75	31.03	30.10	28.99	28.14	27.43	26.29	25.48
150.0	25.14	23.90	23.22	22.29	21.18	20.50	19.65	18.82	18.24
165.0	19.89	19.04	18.44	17.41	16.58	15.90	15.53	14.12	13.96
180.0	15.77	15.21	14.56	13.72	13.13	12.31	12.00	11.98	12.06
195.0	18.72	18.28	17.93	17.37	16.92	16.52	16.24	16.24	16.22
210.0	22.86	22.47	22.29	22.01	21.73	21.58	21.54	21.60	21.65
225.0	26.81	26.55	26.43	26.29	26.24	26.16	26.18	26.24	26.29
240.0	29.31	29.17	29.13	29.13	29.09	29.09	29.13	29.21	29.29
255.0	30.06	30.00	30.04	30.04	30.06	30.10	30.14	30.18	30.22
270.0	29.69	29.55	29.39	29.45	29.51	29.55	29.59	29.63	29.67
285.0	30.14	29.88	29.75	29.80	29.84	29.84	29.86	29.88	29.94
300.0	30.28	29.79	29.47	29.21	28.89	28.73	28.67	28.58	28.58
315.0	27.76	27.17	26.91	26.53	26.08	25.86	25.70	25.54	25.44
330.0	23.56	23.22	22.78	22.23	21.93	21.56	21.24	21.02	20.68
345.0	21.99	20.88	19.69	18.82	18.36	17.39	17.13	16.64	16.26
360.0	20.46	19.26	18.56	17.71	16.66	16.10	15.35	14.46	13.90

Intensity data(cd)

C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	13.11	12.06	11.58	11.48	11.60	11.80	12.06	12.31	12.47
15.0	16.86	16.62	15.19	14.26	14.06	14.02	14.04	14.32	14.46
30.0	21.42	20.66	19.45	18.62	17.95	17.59	17.23	17.23	17.33
45.0	28.99	28.24	27.25	26.18	25.62	24.79	23.88	23.68	23.72
60.0	50.88	50.71	50.05	48.41	47.41	45.45	43.86	43.69	44.68
75.0	57.75	56.97	55.96	55.09	54.32	52.71	51.72	51.34	50.88
90.0	60.44	59.77	58.92	58.18	56.67	55.33	54.53	53.84	53.48
105.0	58.92	57.29	56.26	55.62	54.12	53.05	52.91	52.57	51.24
120.0	40.39	39.28	38.65	38.09	37.96	37.94	38.03	37.94	37.70
135.0	25.01	24.21	23.58	23.14	23.18	23.30	23.36	23.48	23.58
150.0	17.65	17.21	17.01	17.03	17.17	17.37	17.51	17.63	17.73
165.0	13.86	13.88	13.98	14.20	14.50	14.67	14.91	15.27	15.47
180.0	12.29	12.41	12.61	12.83	13.05	13.39	13.70	13.98	14.36
195.0	16.44	16.58	16.72	16.99	17.23	17.45	17.79	18.20	18.38
210.0	21.77	21.97	22.09	22.49	22.59	22.80	23.18	23.50	23.74
225.0	26.49	26.59	26.67	27.03	27.19	27.41	27.72	28.14	28.40
240.0	29.37	29.49	29.61	29.75	29.98	30.36	30.58	30.92	31.19
255.0	30.30	30.42	30.56	30.66	30.96	31.21	31.43	31.89	32.24
270.0	29.71	29.77	29.90	30.00	30.24	30.32	30.70	30.92	31.27
285.0	29.96	30.04	30.16	30.32	30.42	30.72	31.01	31.23	31.71
300.0	28.60	28.54	28.58	28.60	28.73	28.87	28.99	29.21	29.55
315.0	25.32	25.28	25.30	25.36	25.50	25.60	25.86	26.12	26.33
330.0	20.45	20.35	20.33	20.54	20.58	20.84	21.08	21.28	21.67
345.0	15.59	15.07	14.95	15.01	15.11	15.37	15.69	15.94	16.12
360.0	13.11	12.06	11.58	11.48	11.60	11.80	12.06	12.31	12.47

C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	12.89	13.23	13.50	14.00	14.42	14.73	15.25	15.67	15.96
15.0	14.71	15.03	15.25	15.55	15.92	16.00	16.46	16.84	17.07
30.0	17.51	17.63	17.81	18.05	18.22	18.36	18.54	18.68	18.78
45.0	23.82	23.86	23.95	24.03	24.13	24.17	24.23	24.25	24.25
60.0	44.48	43.65	42.22	41.41	41.17	41.03	41.41	41.78	40.63
75.0	50.57	50.31	50.09	49.91	49.60	49.12	49.00	48.82	47.77
90.0	52.95	52.71	52.37	52.15	51.82	51.52	51.30	50.81	49.79
105.0	50.77	50.21	49.67	49.44	49.02	48.70	48.76	49.20	48.74
120.0	37.78	38.01	38.17	37.76	37.76	37.92	37.02	36.07	35.34
135.0	23.68	23.78	23.94	24.09	24.07	24.13	24.13	24.05	23.80
150.0	17.93	18.11	18.26	18.50	18.68	18.74	18.96	19.20	19.35
165.0	15.75	16.12	16.34	16.64	17.01	17.25	17.55	17.87	18.09
180.0	14.73	15.01	15.49	15.88	16.14	16.58	16.95	17.21	17.55
195.0	18.76	19.22	19.51	19.83	20.31	20.52	20.94	21.38	21.60
210.0	24.19	24.53	24.87	25.32	25.66	25.94	26.39	26.75	26.99
225.0	28.75	29.23	29.63	29.92	30.36	30.66	30.99	31.35	31.59
240.0	31.71	32.09	32.56	32.82	33.22	33.55	33.53	32.78	31.97
255.0	32.88	33.00	33.49	33.79	34.13	34.07	33.77	31.21	30.08
270.0	31.65	31.93	32.46	32.88	33.24	33.73	34.09	33.95	33.35
285.0	31.99	32.36	32.86	33.16	33.53	33.89	33.73	33.41	31.89
300.0	29.77	30.06	30.50	30.76	31.15	31.61	31.91	32.16	32.01
315.0	26.77	27.37	27.80	28.22	28.46	28.83	29.35	29.65	30.00
330.0	22.01	22.27	22.71	23.06	23.40	23.80	24.27	24.53	24.59
345.0	16.52	16.90	17.19	17.55	18.07	18.36	18.78	19.06	19.55
360.0	12.89	13.23	13.50	14.00	14.42	14.73	15.25	15.67	15.96

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	16.44	16.82	17.09	17.57	17.97	18.24	18.52	18.86	18.98
15.0	17.39	17.75	17.87	18.24	18.46	18.58	18.84	18.94	19.06
30.0	18.96	19.06	19.18	19.37	19.47	19.63	19.71	19.79	19.85
45.0	24.27	24.23	24.55	24.35	24.23	24.07	23.82	23.56	23.90
60.0	38.35	37.48	36.63	34.84	33.85	32.88	31.27	30.22	28.91
75.0	46.32	45.51	43.37	39.68	37.32	34.39	31.27	29.61	27.84
90.0	48.80	47.63	45.95	43.57	41.31	37.24	35.00	34.09	33.02
105.0	47.02	45.31	43.55	41.74	37.96	35.02	34.09	32.50	31.33
120.0	33.08	30.64	28.95	26.37	24.47	23.46	23.02	21.58	21.40
135.0	23.58	23.02	22.35	21.87	21.14	20.29	19.61	18.90	18.50
150.0	19.53	19.73	19.77	19.73	19.57	19.41	19.22	18.72	18.32
165.0	18.50	18.78	18.98	19.31	19.51	19.59	19.45	19.16	18.86
180.0	17.93	18.16	18.42	18.78	18.94	19.02	18.72	18.46	17.97
195.0	21.91	22.29	22.55	22.77	23.02	23.20	22.84	22.35	21.87
210.0	27.31	27.66	27.94	28.18	27.90	27.43	26.75	25.76	25.18
225.0	32.01	31.89	31.47	30.52	29.57	28.99	28.62	28.34	28.18
240.0	31.33	30.78	30.28	30.04	29.79	29.63	29.49	29.39	29.19
255.0	29.05	29.03	29.96	30.72	30.34	29.73	29.41	29.05	28.81
270.0	32.14	30.58	28.60	28.95	29.73	31.41	31.57	31.23	30.97
285.0	29.63	28.65	28.85	29.49	31.11	31.13	30.82	30.40	30.04
300.0	31.31	29.49	28.36	28.04	28.54	29.27	29.21	29.57	29.41
315.0	29.94	29.53	28.77	27.64	27.25	27.09	26.89	26.81	26.65
330.0	25.07	25.44	25.72	26.16	26.47	26.63	26.10	25.54	25.01
345.0	19.97	20.41	20.72	21.08	21.52	21.81	22.13	22.09	21.89
360.0	16.44	16.82	17.09	17.57	17.97	18.24	18.52	18.86	18.98

C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	18.96	18.64	18.32	17.85	17.11	16.86	16.50	16.06	15.84
15.0	19.14	19.02	18.86	18.44	18.01	17.57	16.88	16.32	15.82
30.0	19.83	19.59	19.35	19.00	18.70	18.09	17.49	16.99	16.22
45.0	22.65	21.95	21.18	20.33	20.80	19.51	18.01	17.57	17.01
60.0	27.82	27.03	26.18	25.54	25.30	25.09	24.61	24.33	24.07
75.0	25.14	24.05	22.96	21.97	21.36	21.08	21.56	21.30	22.35
90.0	32.56	32.03	31.71	31.59	31.65	31.79	32.07	32.56	33.47
105.0	30.84	30.00	28.83	28.22	27.29	26.43	25.68	24.55	24.09
120.0	21.83	21.85	22.13	22.90	23.44	24.17	25.01	25.18	25.42
135.0	18.03	17.73	17.69	17.59	17.47	17.47	17.57	17.67	17.61
150.0	17.69	16.88	16.28	15.41	15.01	14.79	14.69	14.91	15.21
165.0	18.24	17.79	17.45	16.84	16.42	16.16	15.94	15.67	15.67
180.0	17.19	16.74	16.14	15.55	15.23	14.81	14.46	14.24	13.88
195.0	20.96	20.33	20.13	19.81	19.55	19.41	19.16	19.06	18.90
210.0	24.81	24.57	24.49	24.31	24.11	24.01	23.92	23.78	23.64
225.0	27.94	27.76	27.64	27.43	27.33	27.25	27.13	27.11	27.07
240.0	29.03	28.89	28.73	28.65	28.60	28.54	28.63	28.77	28.93
255.0	28.65	28.44	28.36	28.32	28.30	28.36	28.46	28.65	28.81
270.0	30.64	30.48	30.22	29.86	29.75	29.61	29.61	29.69	29.71
285.0	29.65	29.39	29.15	28.91	28.83	28.79	28.87	28.99	29.13
300.0	29.21	28.79	28.40	28.06	27.56	27.09	26.97	27.09	27.21
315.0	26.51	26.43	26.47	26.57	26.71	27.25	27.66	27.74	27.66
330.0	24.09	23.62	23.60	23.46	23.28	23.20	23.10	23.08	23.10
345.0	21.36	20.98	20.37	19.67	19.51	19.37	19.08	18.90	18.86
360.0	18.96	18.64	18.32	17.85	17.11	16.86	16.50	16.06	15.84

Intensity data(cd)

C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	15.51	15.13	14.93	14.75	14.58	14.44	14.26	14.18	14.26
15.0	15.29	14.63	14.20	13.60	12.89	12.53	12.16	11.88	11.92
30.0	15.69	15.01	14.67	14.34	14.18	14.18	14.56	14.93	15.35
45.0	16.82	16.28	16.30	16.52	16.56	16.48	16.48	16.50	16.64
60.0	23.62	23.44	22.55	20.98	20.19	19.10	18.44	17.61	16.80
75.0	23.48	24.09	25.18	26.37	25.54	24.77	24.59	23.99	23.64
90.0	34.01	33.87	33.10	32.48	31.29	30.04	29.09	27.52	26.24
105.0	23.30	21.93	19.47	17.95	15.96	13.72	12.43	10.77	9.06
120.0	25.66	25.78	25.80	25.64	25.26	24.87	23.86	23.02	22.35
135.0	17.39	17.05	16.92	16.92	17.07	17.05	17.11	17.07	16.90
150.0	15.55	15.84	16.14	16.74	17.15	17.39	17.51	17.37	17.23
165.0	15.75	16.06	16.30	16.66	17.01	17.27	17.55	17.91	18.03
180.0	13.68	13.56	13.50	13.64	13.80	14.08	14.24	14.40	14.58
195.0	18.72	18.70	18.70	18.62	18.62	18.62	18.60	18.54	18.46
210.0	23.52	23.46	23.48	23.60	23.64	23.68	23.56	23.48	23.38
225.0	27.01	26.95	26.87	26.75	26.63	26.57	26.39	26.08	25.68
240.0	28.95	29.03	29.15	29.15	29.21	29.21	29.15	29.01	28.75
255.0	29.09	29.96	30.48	30.72	30.52	30.28	30.10	29.82	29.61
270.0	29.71	29.77	29.84	30.18	30.56	30.92	30.58	29.96	29.51
285.0	29.27	29.49	30.24	30.88	31.25	31.37	31.17	30.96	30.64
300.0	27.39	27.72	28.44	28.89	29.37	29.63	29.73	29.77	29.80
315.0	27.54	27.43	27.25	27.15	27.01	26.35	26.29	26.22	26.06
330.0	23.10	23.26	23.46	23.68	24.17	24.41	24.45	24.35	24.23
345.0	18.88	18.92	18.94	18.98	19.06	19.24	19.41	19.99	20.19
360.0	15.51	15.13	14.93	14.75	14.58	14.44	14.26	14.18	14.26

C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	14.75	15.01	15.17	15.29	15.37	15.37	15.31	15.25	15.11
15.0	12.24	12.51	12.59	12.55	12.55	12.59	12.65	12.69	12.65
30.0	15.59	15.55	15.43	15.21	14.97	14.69	14.20	13.46	12.93
45.0	16.64	16.68	16.22	15.71	15.41	15.03	14.75	14.63	14.42
60.0	16.50	16.36	16.16	16.26	16.14	16.06	15.80	15.51	15.11
75.0	23.46	23.36	22.98	22.67	22.55	21.69	20.50	19.87	19.41
90.0	24.61	23.64	22.39	21.48	20.31	18.88	18.03	16.90	15.47
105.0	8.19	7.02	5.85	5.33	4.70	4.03	3.89	3.59	3.47
120.0	21.24	20.37	19.71	18.60	17.63	16.86	15.61	14.58	13.76
135.0	16.76	16.62	16.42	16.32	16.30	16.18	16.12	15.96	15.55
150.0	17.15	16.97	16.90	16.70	16.56	16.40	16.24	15.98	15.78
165.0	18.07	17.69	17.41	16.66	16.12	15.69	14.97	14.38	13.98
180.0	14.67	14.61	14.28	13.92	13.64	13.27	12.71	12.33	11.88
195.0	18.34	18.09	17.93	17.39	16.80	16.36	15.78	15.07	14.61
210.0	23.02	22.51	22.03	21.26	20.62	20.19	19.55	18.76	18.18
225.0	25.42	25.01	24.49	24.11	23.54	23.08	22.23	21.46	20.84
240.0	28.46	27.94	27.41	27.05	26.29	25.64	25.11	24.09	23.20
255.0	29.47	29.25	28.81	28.44	27.90	27.03	26.45	25.56	24.35
270.0	29.11	28.62	28.14	27.80	26.97	26.22	25.58	24.51	23.58
285.0	30.44	30.18	29.75	28.97	28.83	28.10	27.39	26.81	25.94
300.0	29.82	29.75	29.57	29.39	29.13	28.73	28.40	27.68	27.03
315.0	25.84	25.64	25.40	25.05	24.81	24.43	23.84	23.44	22.86
330.0	24.07	23.74	23.56	23.18	22.77	22.07	21.58	20.92	20.54
345.0	20.29	20.37	20.39	20.31	20.17	20.03	19.87	19.14	18.72
360.0	14.75	15.01	15.17	15.29	15.37	15.37	15.31	15.25	15.11

Intensity data(cd)

C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	14.63	13.94	13.56	13.09	12.49	12.12	11.66	11.16	10.89
15.0	12.33	11.96	11.66	11.24	10.95	10.73	10.37	10.07	9.92
30.0	12.26	11.80	11.09	10.59	10.01	9.68	9.32	8.96	8.82
45.0	14.14	13.92	13.52	13.13	12.81	12.33	11.76	11.40	10.91
60.0	14.77	14.48	14.12	13.96	13.90	13.80	13.43	13.11	12.95
75.0	18.03	17.09	16.36	15.61	14.60	13.82	13.03	12.49	11.42
90.0	14.34	13.52	12.26	11.24	10.57	9.38	8.65	7.63	6.60
105.0	3.43	3.35	3.25	3.21	2.99	2.82	2.72	2.54	2.34
120.0	12.69	11.32	10.53	9.52	8.29	7.63	7.00	6.21	5.81
135.0	15.17	14.69	13.96	13.66	13.03	12.51	12.10	11.28	10.57
150.0	15.45	15.01	14.81	14.54	14.18	14.12	13.27	12.55	11.98
165.0	13.29	12.73	12.31	11.58	11.03	10.63	10.05	9.68	9.40
180.0	11.30	10.99	10.53	9.99	9.70	9.28	8.80	8.59	8.29
195.0	14.02	13.33	12.89	12.37	11.72	11.32	10.77	10.17	9.88
210.0	17.51	16.64	16.10	15.45	14.58	13.98	13.35	12.55	12.06
225.0	19.81	18.92	17.91	17.25	16.32	15.27	14.65	13.96	13.39
240.0	22.49	21.18	20.13	19.31	16.99	16.70	15.78	14.54	13.01
255.0	23.58	22.49	20.94	20.29	18.60	17.23	16.22	14.56	13.21
270.0	22.84	21.75	20.35	19.57	18.40	16.86	15.94	14.73	13.17
285.0	24.85	24.11	23.08	22.27	20.80	19.67	18.12	17.15	15.88
300.0	26.45	25.46	24.59	23.86	22.63	21.60	20.78	19.45	18.38
315.0	22.03	21.48	20.74	19.83	19.28	18.54	17.61	17.23	16.48
330.0	20.09	19.73	19.10	18.60	18.16	17.61	16.92	16.44	15.78
345.0	17.91	17.33	16.90	16.30	15.59	15.11	14.54	13.80	13.37
360.0	14.63	13.94	13.56	13.09	12.49	12.12	11.66	11.16	10.89

C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	10.49	10.03	9.78	9.44	9.06	8.80	8.59	8.33	8.13
15.0	9.56	9.26	9.00	8.55	8.15	7.87	7.58	7.36	7.18
30.0	8.61	8.37	8.19	7.97	7.85	7.61	7.30	7.00	6.76
45.0	10.55	10.37	10.05	9.97	9.48	8.94	8.51	8.09	7.52
60.0	12.39	11.86	11.16	10.29	9.82	9.18	8.41	7.95	7.36
75.0	10.57	10.17	9.62	9.10	8.73	7.99	7.44	7.08	6.44
90.0	6.13	5.63	5.29	5.08	4.90	4.62	4.34	4.16	3.97
105.0	2.26	2.24	2.24	2.18	2.10	1.96	1.88	1.80	1.82
120.0	5.22	4.52	4.10	3.57	2.84	2.42	1.96	1.69	1.55
135.0	10.05	9.22	8.51	7.95	6.96	6.13	5.49	4.58	3.93
150.0	10.95	10.15	9.58	8.69	7.85	7.28	6.29	5.55	5.00
165.0	8.96	8.35	7.97	7.85	6.82	6.44	6.01	5.37	4.98
180.0	7.91	7.71	7.34	6.90	6.58	6.01	5.55	5.22	4.62
195.0	9.50	9.02	8.76	8.29	7.69	7.26	6.58	5.97	5.55
210.0	11.42	10.67	10.03	9.26	8.47	7.91	6.96	6.31	5.77
225.0	12.51	11.36	10.73	9.86	8.67	7.89	7.24	6.19	5.57
240.0	12.04	10.91	9.70	9.08	8.35	7.36	6.80	6.01	5.10
255.0	12.16	10.51	9.20	8.33	7.10	6.33	5.87	5.12	4.56
270.0	12.26	11.05	9.56	8.65	7.67	6.70	6.37	5.95	5.49
285.0	14.28	13.33	12.06	10.55	10.09	9.02	8.53	8.03	7.26
300.0	17.51	16.12	14.97	14.14	13.17	12.10	11.64	10.93	10.01
315.0	15.92	15.39	14.44	13.58	13.05	11.96	11.14	10.51	9.54
330.0	14.97	14.34	13.92	13.17	12.65	12.02	11.16	10.57	9.88
345.0	12.79	12.12	11.78	11.26	10.71	10.41	10.03	9.46	9.22
360.0	10.49	10.03	9.78	9.44	9.06	8.80	8.59	8.33	8.13

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	7.63	7.24	6.92	6.41	5.99	5.61	5.04	4.68	4.38
15.0	6.94	6.62	6.31	5.91	5.45	5.18	4.80	4.34	4.12
30.0	6.33	5.99	5.69	5.20	4.80	4.52	4.12	3.93	3.77
45.0	6.78	6.41	5.89	5.12	4.72	4.34	4.01	3.85	3.57
60.0	6.72	6.37	5.83	5.35	5.04	4.48	4.01	3.67	3.23
75.0	5.97	5.65	5.06	4.66	4.32	3.91	3.43	3.15	2.78
90.0	3.75	3.47	3.27	3.11	2.82	2.66	2.46	2.36	2.14
105.0	1.82	1.80	1.78	1.75	1.67	1.69	1.63	1.59	1.47
120.0	1.43	1.35	1.29	1.25	1.23	1.25	1.27	1.35	1.29
135.0	3.47	2.86	2.18	1.88	1.67	1.45	1.41	1.27	1.13
150.0	4.24	3.63	3.21	2.64	2.16	1.88	1.63	1.49	1.41
165.0	4.46	3.85	3.49	3.03	2.46	2.14	1.73	1.47	1.37
180.0	4.14	3.81	3.23	2.76	2.44	1.88	1.57	1.39	1.23
195.0	4.84	4.28	3.89	3.21	2.72	2.34	1.86	1.55	1.39
210.0	4.96	4.34	3.85	3.15	2.60	2.24	1.76	1.49	1.33
225.0	4.76	3.79	3.13	2.72	2.12	1.80	1.59	1.35	1.13
240.0	4.54	3.83	2.99	2.56	1.96	1.49	1.25	1.03	0.95
255.0	4.10	3.53	2.86	2.50	1.98	1.43	1.13	0.93	0.89
270.0	4.94	4.56	4.01	3.33	2.93	2.46	2.10	1.67	1.55
285.0	6.60	6.07	5.26	4.62	4.18	3.39	2.90	2.60	2.28
300.0	9.52	8.76	7.83	7.30	6.54	5.65	5.12	4.52	3.93
315.0	8.73	8.19	7.22	6.58	6.11	5.61	5.04	4.68	4.18
330.0	9.04	8.55	7.89	7.28	6.50	6.09	5.53	4.94	4.58
345.0	8.61	8.01	7.58	6.80	6.27	5.91	5.33	4.64	4.54
360.0	7.63	7.24	6.92	6.41	5.99	5.61	5.04	4.68	4.38

C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	3.93	3.61	3.39	2.95	2.54	2.20	1.84	1.71	1.51
15.0	3.85	3.53	3.41	3.01	2.60	2.34	1.90	1.73	1.61
30.0	3.57	3.31	3.13	2.74	2.38	2.16	1.90	1.71	1.55
45.0	3.23	3.05	2.82	2.50	2.30	2.04	1.84	1.73	1.49
60.0	2.99	2.78	2.36	2.14	2.02	1.75	1.53	1.41	1.31
75.0	2.50	2.34	2.06	1.80	1.67	1.53	1.45	1.37	1.27
90.0	2.02	1.92	1.69	1.61	1.53	1.37	1.25	1.13	1.03
105.0	1.49	1.43	1.33	1.29	1.17	1.07	1.01	0.89	0.89
120.0	1.25	1.19	1.07	0.97	0.89	0.89	0.93	0.95	1.05
135.0	1.07	0.97	0.91	0.93	0.91	0.93	0.93	0.93	0.95
150.0	1.23	1.09	0.99	0.97	0.95	0.95	0.95	0.95	0.95
165.0	1.21	1.07	0.99	0.87	0.83	0.83	0.85	0.85	0.97
180.0	1.09	0.99	0.91	0.85	0.85	0.85	0.99	1.11	1.21
195.0	1.19	1.07	0.99	0.89	0.89	0.91	0.97	1.05	1.19
210.0	1.15	1.03	0.91	0.89	0.87	0.87	0.95	1.03	1.19
225.0	1.03	0.93	0.87	0.91	0.89	0.91	0.93	1.07	1.17
240.0	0.85	0.93	0.87	0.89	0.91	0.93	0.89	1.01	1.15
255.0	0.95	0.95	0.99	0.97	0.93	0.91	0.89	0.95	0.97
270.0	1.49	1.39	1.37	1.25	1.21	1.13	1.01	0.93	0.93
285.0	2.08	1.88	1.75	1.63	1.49	1.37	1.17	1.11	0.97
300.0	3.65	3.37	2.97	2.74	2.36	2.04	1.75	1.51	1.37
315.0	3.63	3.33	2.95	2.44	2.22	1.88	1.63	1.43	1.17
330.0	4.09	3.55	3.21	2.84	2.52	2.12	1.84	1.67	1.43
345.0	3.97	3.61	3.33	2.86	2.46	2.18	1.84	1.65	1.45
360.0	3.93	3.61	3.39	2.95	2.54	2.20	1.84	1.71	1.51

Intensity data(cd)

C/γ(°)	180.0
0.0	1.53
15.0	1.33
30.0	1.47
45.0	1.29
60.0	1.21
75.0	1.19
90.0	0.97
105.0	0.91
120.0	1.29
135.0	0.97
150.0	1.17
165.0	1.11
180.0	1.53
195.0	1.33
210.0	1.47
225.0	1.29
240.0	1.21
255.0	1.19
270.0	0.97
285.0	0.91
300.0	1.29
315.0	0.97
330.0	1.17
345.0	1.11
360.0	1.53