LumCAT: SM23641
Luminaire: SM23641

Report No:	Voltage(V): 120.0600
Test No:	Current(A): 0.0740
LampCAT:	Power (W): 8.7190
Lamp flux(lm): -1.0	PF: 0.9839
Number of Lamps: 1	Ballast type:
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 410.07
Efficiency(%): 0.00%
Lumens(lm)/Power(W): 47.03
Central intensity(cd): 165.963
Maximum intensity(cd): 204.577
Angle of maximum intensity: C=240.0 γ=137.0
Beam Angle(50%Imax): [C0/180]Total=289.7
[C90/270]Total=276.9
Field angle(10%Imax): [C0/180]Total=300.6
[C90/270]Total=287.1
Maximum s/h(1/2): C0_180=1.12 C90_270=1.21
Maximum s/h(1/4): C0_180=1.14 C90_270=1.33
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 0.00%
Up flux rate of LUM(%): 25.96%
Down flux rate of LUM(%): 74.04%
CIE Type : Semidirect lighting
Output flux ratio in π solid angle : 71.528%

SM23641

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
0.0	165.199	.000	.000	.000%	.000%	.000%
1.0	164.809	.158	.158	.000%	.000%	.039%
2.0	163.720	.472	.629	.000%	.000%	.153%
3.0	163.013	.781	1.411	.000%	.000%	.344%
4.0	162.225	1.089	2.500	.000%	.000%	.610%
5.0	162.778	1.398	3.898	.000%	.000%	.951%
6.0	163.347	1.714	5.612	.000%	.000%	1.368%
7.0	164.647	2.036	7.647	.000%	.000%	1.865%
8.0	165.459	2.363	10.010	.000%	.000%	2.441%
9.0	165.565	2.683	12.693	.000%	.000%	3.095%
10.0	165.719	2.998	15.691	.000%	.000%	3.826%
11.0	165.029	3.305	18.996	.000%	.000%	4.632%
12.0	165.142	3.609	22.605	.000%	.000%	5.512%
13.0	165.183	3.920	26.525	.000%	.000%	6.468%
14.0	165.532	4.233	30.758	.000%	.000%	7.501%
15.0	165.443	4.544	35.302	.000%	.000%	8.609%
16.0	164.143	4.829	40.131	.000%	.000%	9.787%
17.0	161.754	5.075	45.206	.000%	.000%	11.024%
18.0	159.097	5.290	50.496	.000%	.000%	12.314%
19.0	157.301	5.505	56.001	.000%	.000%	13.657%
20.0	155.074	5.717	61.718	.000%	.000%	15.051%
21.0	152.864	5.913	67.631	.000%	.000%	16.493%
22.0	150.329	6.093	73.724	.000%	.000%	17.979%
23.0	147.704	6.254	79.978	.000%	.000%	19.504%
24.0	145.071	6.401	86.379	.000%	.000%	21.065%
25.0	141.870	6.524	92.903	.000%	.000%	22.656%
26.0	138.766	6.624	99.528	.000%	.000%	24.271%
27.0	134.890	6.695	106.223	.000%	.000%	25.904%
28.0	132.143	6.761	112.984	.000%	.000%	27.553%
29.0	129.998	6.858	119.842	.000%	.000%	29.225%
30.0	129.332	7.002	126.844	.000%	.000%	30.933%
31.0	129.096	7.192	134.035	.000%	.000%	32.686%
32.0	129.218	7.400	141.436	.000%	.000%	34.491%
33.0	128.901	7.604	149.040	.000%	.000%	36.345%
34.0	126.325	7.724	156.764	.000%	.000%	38.229%
35.0	122.116	7.716	164.480	.000%	.000%	40.111%
36.0	121.035	7.742	172.222	.000%	.000%	41.999%
37.0	119.719	7.852	180.074	.000%	.000%	43.913%

SM23641

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
38.0	116.509	7.885	187.959	.000%	.000%	45.836%
39.0	113.844	7.863	195.821	.000%	.000%	47.754%
40.0	112.251	7.885	203.707	.000%	.000%	49.677%
41.0	110.545	7.934	211.640	.000%	.000%	51.611%
42.0	109.594	7.998	219.638	.000%	.000%	53.562%
43.0	107.270	8.033	227.671	.000%	.000%	55.521%
44.0	98.770	7.777	235.448	.000%	.000%	57.417%
45.0	92.139	7.337	242.785	.000%	.000%	59.206%
46.0	88.735	7.074	249.858	.000%	.000%	60.931%
47.0	78.065	6.634	256.493	.000%	.000%	62.549%
48.0	69.281	5.957	262.449	.000%	.000%	64.002%
49.0	61.050	5.352	267.801	.000%	.000%	65.307%
50.0	51.502	4.693	272.494	.000%	.000%	66.451%
51.0	42.620	3.982	276.476	.000%	.000%	67.422%
52.0	36.550	3.397	279.873	.000%	.000%	68.251%
53.0	33.064	3.028	282.901	.000%	.000%	68.989%
54.0	26.035	2.605	285.506	.000%	.000%	69.625%
55.0	22.111	2.149	287.655	.000%	.000%	70.149%
56.0	14.732	1.665	289.320	.000%	.000%	70.555%
57.0	12.246	1.233	290.554	.000%	.000%	70.855%
58.0	10.474	1.051	291.604	.000%	.000%	71.112%
59.0	8.719	.897	292.502	.000%	.000%	71.331%
60.0	8.459	.812	293.313	.000%	.000%	71.528%
61.0	7.370	.755	294.069	.000%	.000%	71.713%
62.0	7.159	.700	294.769	.000%	.000%	71.883%
63.0	7.061	.692	295.460	.000%	.000%	72.052%
64.0	6.273	.654	296.115	.000%	.000%	72.212%
65.0	6.021	.608	296.723	.000%	.000%	72.360%
66.0	5.672	.583	297.307	.000%	.000%	72.502%
67.0	5.542	.564	297.870	.000%	.000%	72.640%
68.0	5.087	.538	298.409	.000%	.000%	72.771%
69.0	4.778	.503	298.912	.000%	.000%	72.894%
70.0	4.290	.466	299.378	.000%	.000%	73.007%
71.0	3.933	.425	299.803	.000%	.000%	73.111%
72.0	3.657	.395	300.197	.000%	.000%	73.207%
73.0	3.242	.361	300.558	.000%	.000%	73.295%
74.0	3.047	.331	300.889	.000%	.000%	73.376%
75.0	2.714	.304	301.193	.000%	.000%	73.450%

SM23641

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
76.0	4.364	.376	301.569	.000%	.000%	73.542%
77.0	2.950	.390	301.959	.000%	.000%	73.637%
78.0	2.357	.284	302.243	.000%	.000%	73.706%
79.0	3.250	.301	302.544	.000%	.000%	73.780%
80.0	3.234	.350	302.894	.000%	.000%	73.865%
81.0	2.105	.289	303.183	.000%	.000%	73.935%
82.0	1.828	.213	303.396	.000%	.000%	73.987%
83.0	.813	.144	303.540	.000%	.000%	74.022%
84.0	.187	.055	303.594	.000%	.000%	74.036%
85.0	.081	.015	303.609	.000%	.000%	74.039%
86.0	.024	.006	303.615	.000%	.000%	74.041%
87.0	.008	.002	303.616	.000%	.000%	74.041%
88.0	.033	.002	303.619	.000%	.000%	74.042%
89.0	.008	.002	303.621	.000%	.000%	74.042%
90.0	.073	.004	303.625	.000%	.000%	74.043%
91.0	.057	.007	303.633	.000%	.000%	74.045%
92.0	.081	.008	303.640	.000%	.000%	74.047%
93.0	.203	.016	303.656	.000%	.000%	74.051%
94.0	.431	.035	303.690	.000%	.000%	74.059%
95.0	.837	.069	303.760	.000%	.000%	74.076%
96.0	.886	.094	303.854	.000%	.000%	74.099%
97.0	1.373	.123	303.977	.000%	.000%	74.129%
98.0	1.999	.183	304.160	.000%	.000%	74.174%
99.0	2.251	.231	304.391	.000%	.000%	74.230%
100.0	2.446	.254	304.645	.000%	.000%	74.292%
101.0	2.332	.258	304.903	.000%	.000%	74.355%
102.0	2.519	.261	305.164	.000%	.000%	74.418%
103.0	3.153	.304	305.467	.000%	.000%	74.492%
104.0	3.714	.366	305.833	.000%	.000%	74.582%
105.0	3.770	.397	306.231	.000%	.000%	74.679%
106.0	4.388	.431	306.662	.000%	.000%	74.784%
107.0	5.006	.494	307.156	.000%	.000%	74.904%
108.0	5.071	.527	307.682	.000%	.000%	75.033%
109.0	5.103	.529	308.211	.000%	.000%	75.162%
110.0	4.713	.507	308.719	.000%	.000%	75.285%
111.0	5.038	.501	309.220	.000%	.000%	75.407%
112.0	5.387	.532	309.751	.000%	.000%	75.537%
113.0	6.411	.598	310.349	.000%	.000%	75.683%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
114.0	7.525	.701	311.050	.000%	.000%	75.854%
115.0	8.297	.789	311.839	.000%	.000%	76.046%
116.0	9.028	.857	312.697	.000%	.000%	76.255%
117.0	10.190	.943	313.640	.000%	.000%	76.485%
118.0	12.164	1.087	314.727	.000%	.000%	76.750%
119.0	12.327	1.180	315.907	.000%	.000%	77.038%
120.0	13.001	1.209	317.116	.000%	.000%	77.333%
121.0	15.106	1.328	318.444	.000%	.000%	77.657%
122.0	14.700	1.393	319.837	.000%	.000%	77.997%
123.0	16.634	1.449	321.286	.000%	.000%	78.350%
124.0	19.063	1.632	322.918	.000%	.000%	78.748%
125.0	22.379	1.873	324.791	.000%	.000%	79.205%
126.0	26.173	2.167	326.958	.000%	.000%	79.733%
127.0	27.977	2.387	329.345	.000%	.000%	80.315%
128.0	31.602	2.592	331.937	.000%	.000%	80.947%
129.0	36.867	2.938	334.875	.000%	.000%	81.664%
130.0	44.538	3.444	338.319	.000%	.000%	82.504%
131.0	49.129	3.905	342.224	.000%	.000%	83.456%
132.0	54.240	4.245	346.469	.000%	.000%	84.491%
133.0	55.532	4.438	350.907	.000%	.000%	85.573%
134.0	59.270	4.566	355.472	.000%	.000%	86.687%
135.0	59.985	4.664	360.136	.000%	.000%	87.824%
136.0	58.409	4.550	364.686	.000%	.000%	88.934%
137.0	59.116	4.436	369.122	.000%	.000%	90.015%
138.0	55.061	4.229	373.351	.000%	.000%	91.047%
139.0	47.455	3.725	377.076	.000%	.000%	91.955%
140.0	37.704	3.032	380.109	.000%	.000%	92.695%
141.0	30.334	2.373	382.481	.000%	.000%	93.273%
142.0	23.321	1.831	384.313	.000%	.000%	93.720%
143.0	16.219	1.320	385.633	.000%	.000%	94.042%
144.0	12.603	.940	386.573	.000%	.000%	94.271%
145.0	10.556	.737	387.310	.000%	.000%	94.451%
146.0	9.784	.632	387.942	.000%	.000%	94.605%
147.0	10.377	.610	388.552	.000%	.000%	94.754%
148.0	10.247	.608	389.159	.000%	.000%	94.902%
149.0	11.482	.622	389.782	.000%	.000%	95.054%
150.0	11.433	.638	390.420	.000%	.000%	95.209%
151.0	12.522	.647	391.066	.000%	.000%	95.367%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)	Sum/Lum(%)
152.0	13.481	.680	391.747	.000%	.000%	95.533%
153.0	15.277	.728	392.475	.000%	.000%	95.710%
154.0	18.340	.822	393.297	.000%	.000%	95.911%
155.0	20.079	.907	394.204	.000%	.000%	96.132%
156.0	20.705	.927	395.131	.000%	.000%	96.358%
157.0	16.788	.820	395.951	.000%	.000%	96.558%
158.0	17.211	.713	396.665	.000%	.000%	96.732%
159.0	18.681	.721	397.386	.000%	.000%	96.908%
160.0	19.177	.727	398.113	.000%	.000%	97.085%
161.0	22.891	.770	398.883	.000%	.000%	97.273%
162.0	29.546	.912	399.795	.000%	.000%	97.495%
163.0	37.696	1.109	400.904	.000%	.000%	97.766%
164.0	42.181	1.244	402.148	.000%	.000%	98.069%
165.0	47.463	1.314	403.461	.000%	.000%	98.389%
166.0	50.681	1.347	404.808	.000%	.000%	98.718%
167.0	51.697	1.310	406.119	.000%	.000%	99.038%
168.0	47.902	1.182	407.301	.000%	.000%	99.326%
169.0	41.637	.979	408.280	.000%	.000%	99.565%
170.0	33.771	.753	409.033	.000%	.000%	99.748%
171.0	22.809	.512	409.545	.000%	.000%	99.873%
172.0	13.099	.291	409.836	.000%	.000%	99.944%
173.0	7.711	.149	409.985	.000%	.000%	99.980%
174.0	1.674	.058	410.043	.000%	.000%	99.995%
175.0	1.024	.014	410.058	.000%	.000%	99.998%
176.0	.268	.006	410.063	.000%	.000%	99.999%
177.0	.228	.002	410.065	.000%	.000%	100.000%
178.0	.000	.001	410.065	.000%	.000%	100.000%
179.0	.000	.000	410.065	.000%	.000%	100.000%
180.0	.000	.000	410.065	.000%	.000%	100.000%

Zonal flux distribution table

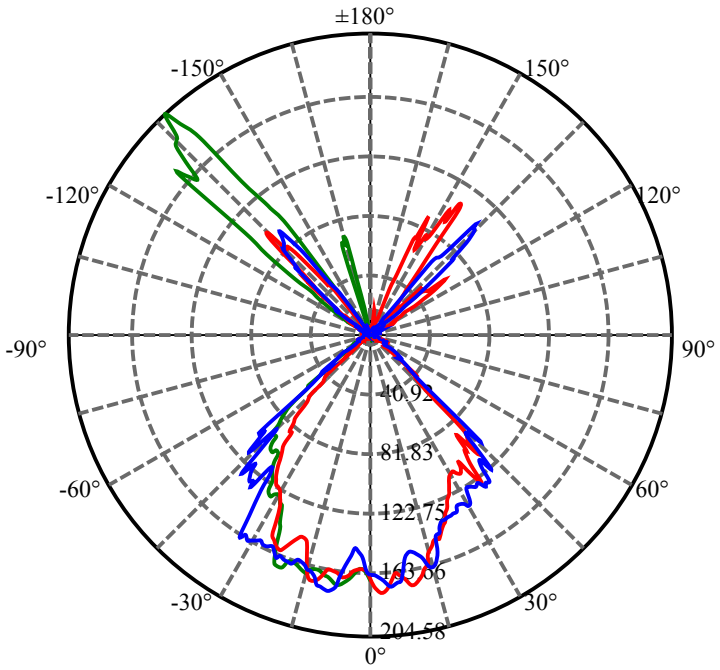
ZONAL LUMEN SUMMARY

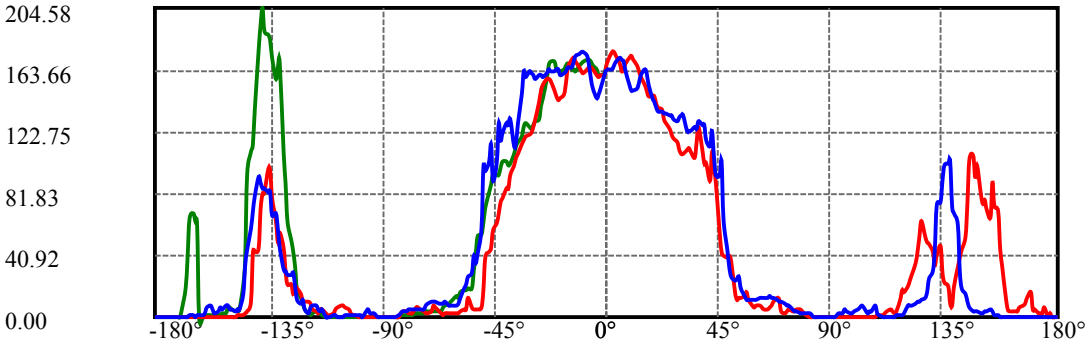
Zone	Lumens	%Lamp	%Fixt
0-30	126.84	N.A.	30.93%
0-40	203.71	N.A.	49.68%
0-60	293.31	N.A.	71.53%
0-90	303.63	N.A.	74.04%
0-120	317.12	N.A.	77.33%
0-180	410.07	N.A.	100.00%
60-90	11.12	N.A.	2.71%
90-120	13.49	N.A.	3.29%
90-130	34.70	N.A.	8.46%
90-150	86.80	N.A.	21.17%
90-180	106.44	N.A.	25.96%
0-126.46	328.05	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	15.69
10-20	46.03
20-30	65.13
30-40	76.86
40-50	68.79
50-60	20.82
60-70	6.06
70-80	3.52
80-90	0.73
90-100	1.02
100-110	4.07
110-120	8.40
120-130	21.20
130-140	41.79
140-150	10.31
150-160	7.69
160-170	10.92
170-180	1.03

Light Distribution Curve [Unit:cd]





C240(Max):

C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:143.8 Right:156.8
:C90/270Left:134.9 Right:152.3

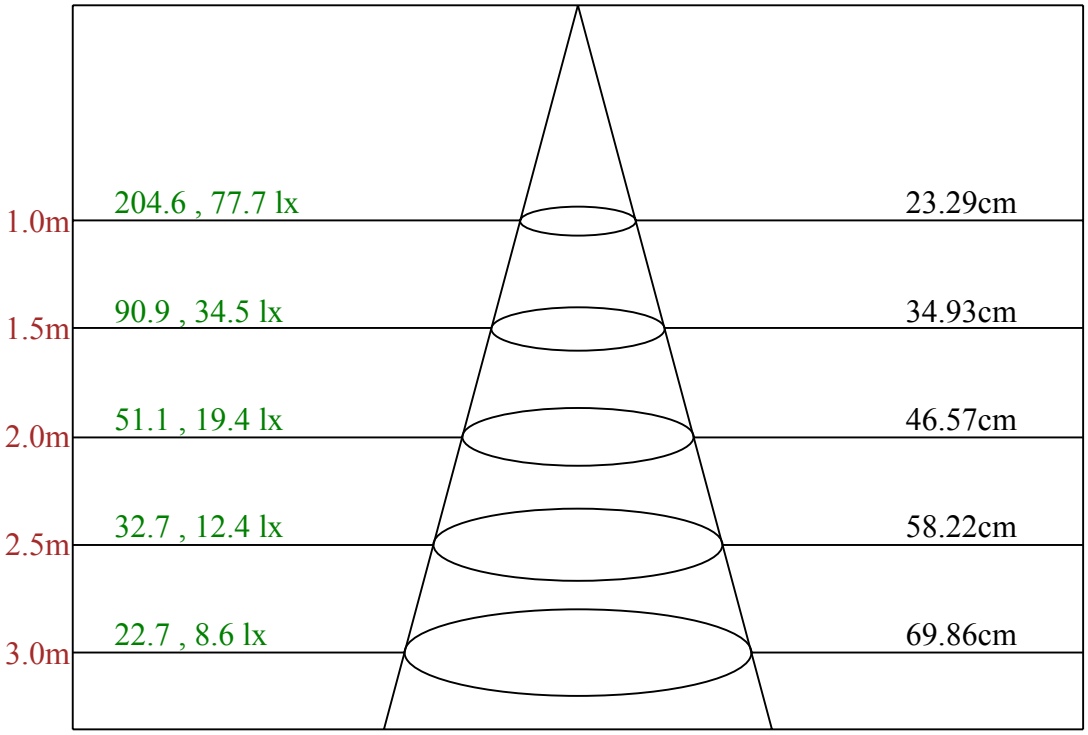
Beam Angle(50%Imax):C0/180Left:137.7 Right:152.1
:C90/270Left:129.4 Right:147.5

Equipment: GMS 2000
Temperature(°C): 25.0

Date: 2016-7-25
Humidity(%): 60.0%

Operator: Shao Wang
Distance(m): 13.97

Lux distance Curve

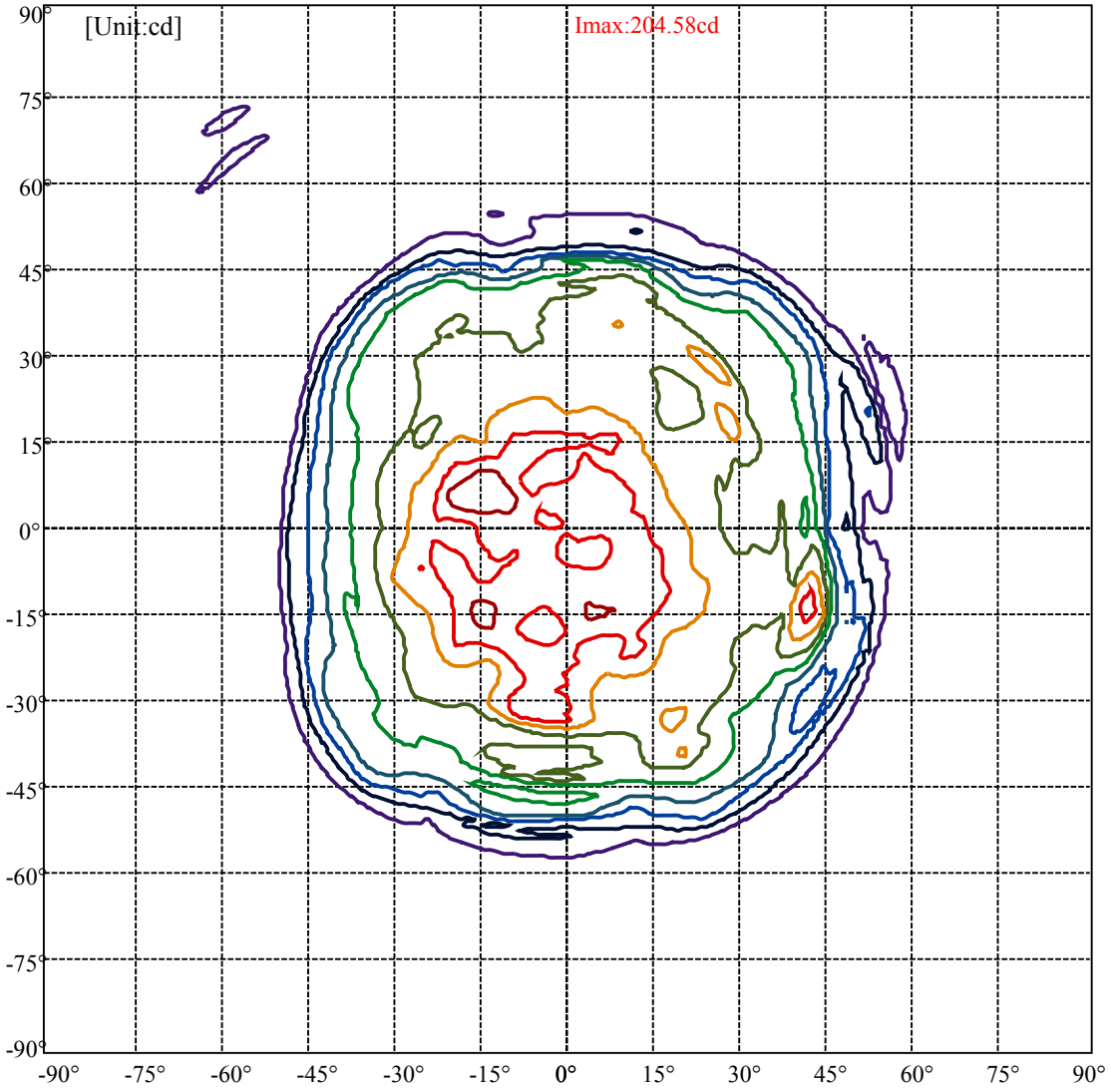


Max , Ave

Beam angle of C240plane187.64

SM23641

ISO-Intensity(V-H)



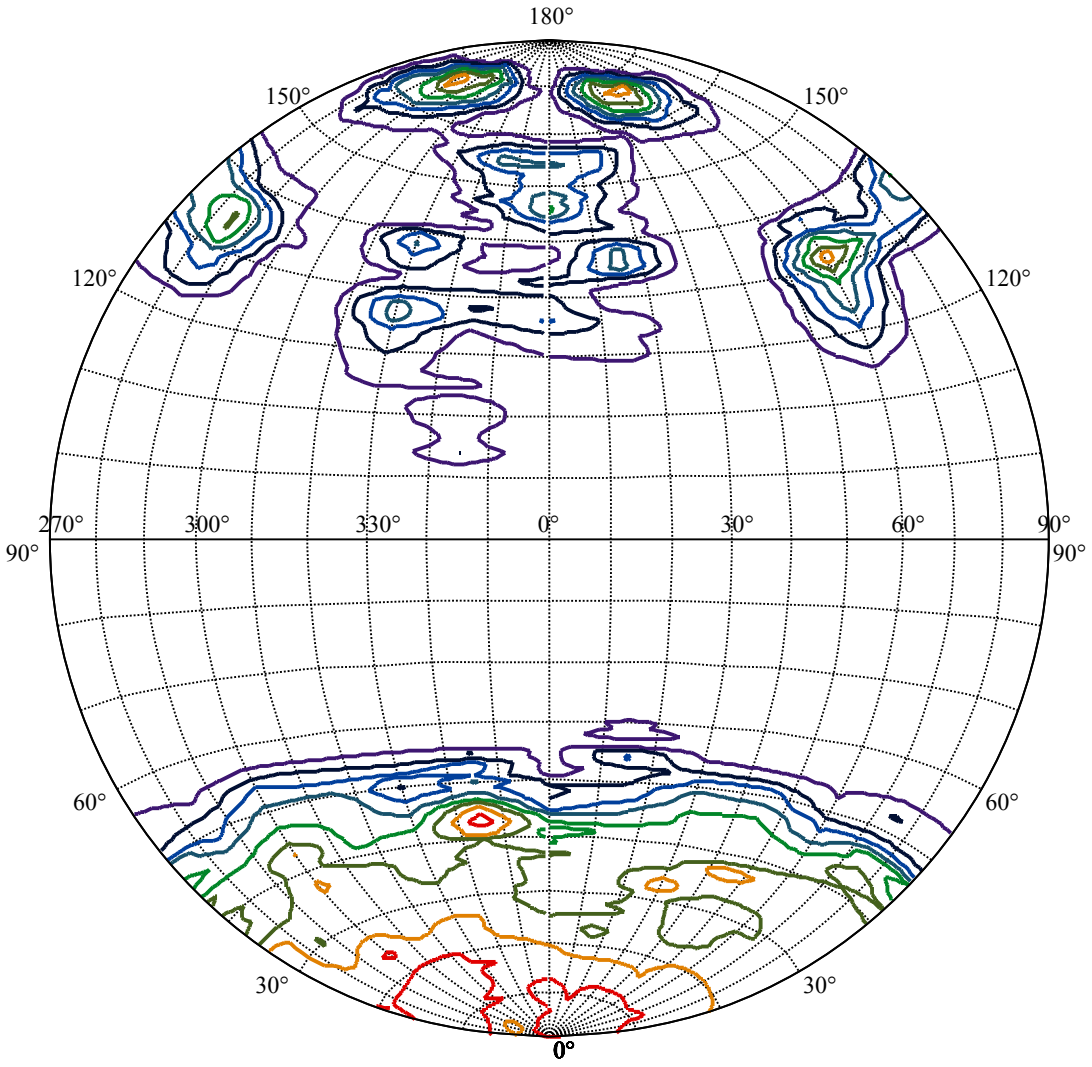
(10%Imax) 19.955
(20%Imax) 39.91
(30%Imax) 59.8649
(40%Imax) 79.8199
(50%Imax) 99.7749
(60%Imax) 119.73
(70%Imax) 139.685
(80%Imax) 159.64
(90%Imax) 179.595

Equipment: GMS 2000
Temperature(°C): 25.0

Date: 2016-7-25
Humidity(%): 60.0%

Operator: Shao Wang
Distance(m): 13.97

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:204.58

(10%Imax) 20.4577
(20%Imax) 40.9155
(30%Imax) 61.3732
(40%Imax) 81.8309
(50%Imax) 102.289
(60%Imax) 122.746
(70%Imax) 143.204
(80%Imax) 163.662

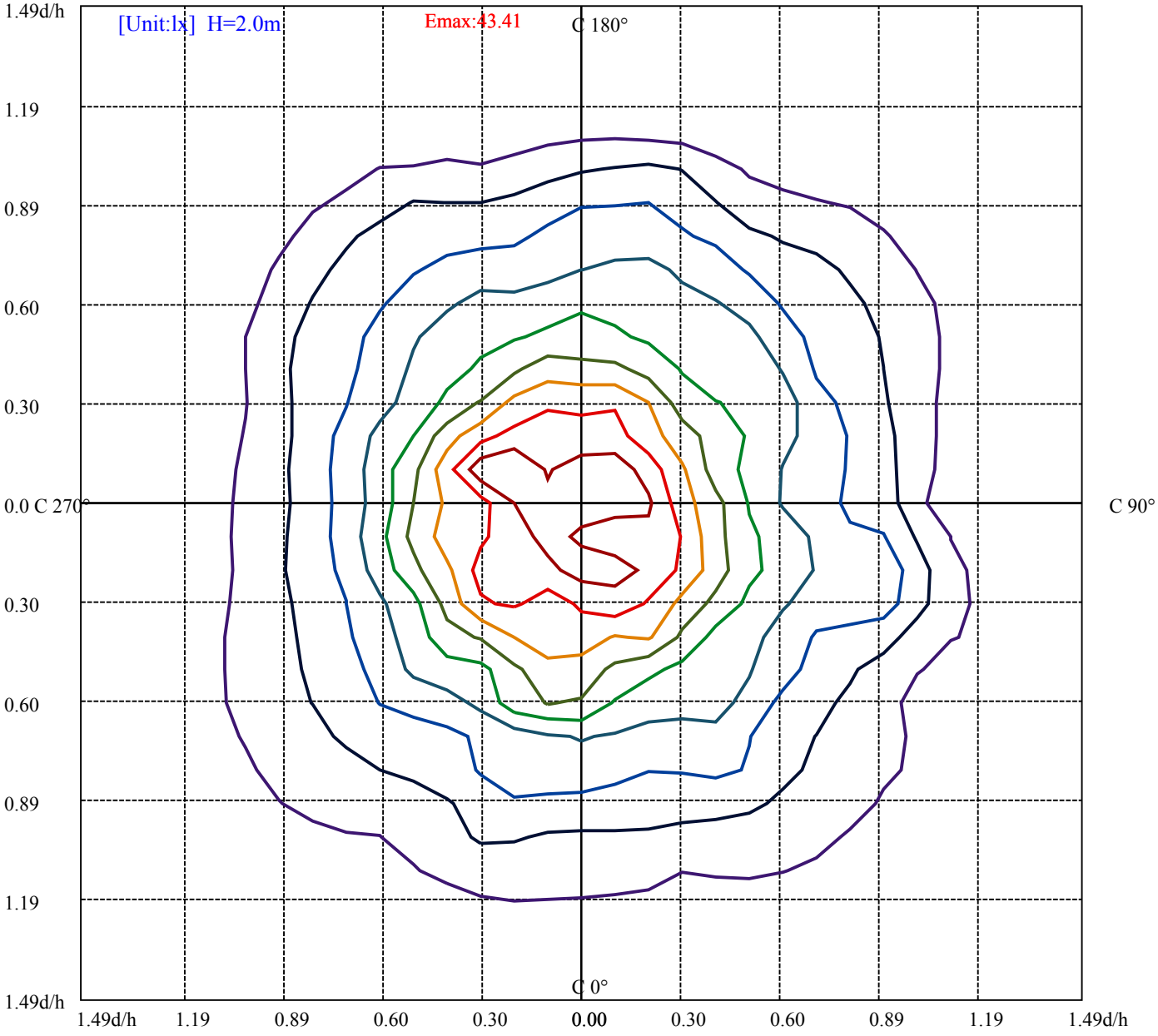
Equipment: GMS 2000
Temperature(°C): 25.0

Date: 2016-7-25
Humidity(%): 60.0%

Operator: Shao Wang
Distance(m): 13.97

SM23641

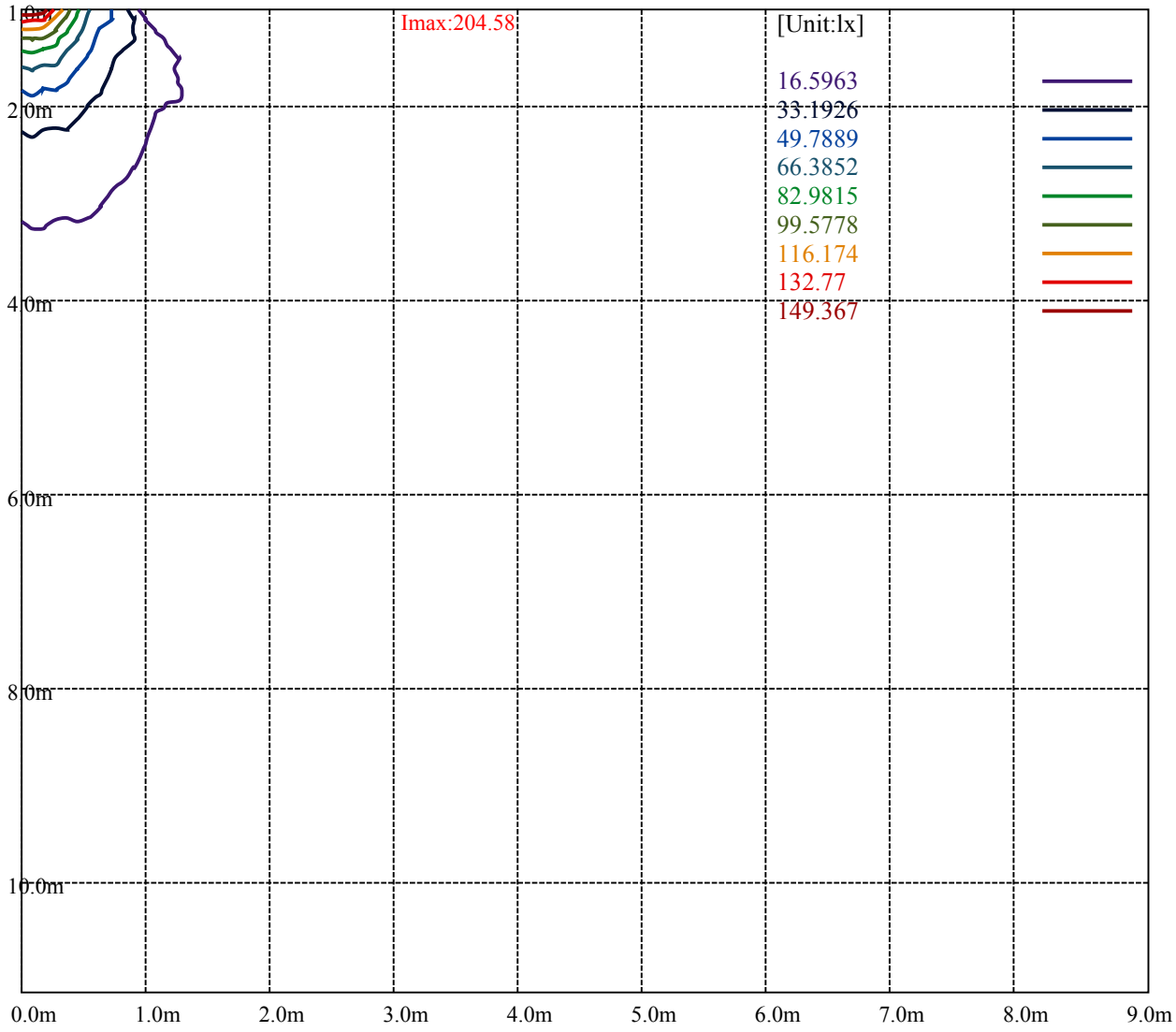
ISO illuminance diagram



(10%Emax) 4.340675
(20%Emax) 8.68135
(30%Emax) 13.02203
(40%Emax) 17.3627
(50%Emax) 21.70337
(60%Emax) 26.044
(70%Emax) 30.38475
(80%Emax) 34.7255
(90%Emax) 39.066

Equipment: GMS 2000
Temperature(°C): 25.0
Date: 2016-7-25
Humidity(%): 60.0%
Operator: Shao Wang
Distance(m): 13.97

Space ISO Lux diagram



Equipment: GMS 2000
Temperature(°C): 25.0

Date: 2016-7-25
Humidity(%): 60.0%

Operator: Shao Wang
Distance(m): 13.97

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	165.96	170.84	175.32	175.13	172.20	167.13	163.04	164.21	167.13
15.0	164.60	172.59	176.10	176.88	173.18	169.67	167.72	165.77	164.40
30.0	166.74	174.35	177.47	178.05	176.49	175.52	175.32	175.13	174.35
45.0	164.99	170.25	173.37	174.74	172.98	172.01	171.62	171.42	171.03
60.0	166.35	170.25	172.20	172.01	170.64	170.06	168.11	165.77	165.57
75.0	164.01	166.55	168.50	170.25	170.06	169.08	167.13	167.52	169.86
90.0	163.43	163.43	164.21	166.74	169.28	171.03	169.67	168.50	162.06
105.0	162.26	161.67	160.89	163.62	164.99	171.03	171.03	167.33	158.94
120.0	163.82	163.43	161.48	162.45	164.40	169.86	170.84	168.30	162.26
135.0	163.62	159.14	157.58	157.97	162.65	164.21	164.79	162.65	158.75
150.0	168.89	163.43	159.14	156.80	155.24	156.80	159.53	166.55	173.76
165.0	167.72	162.06	156.80	155.04	155.04	157.19	160.31	166.35	172.20
180.0	165.96	160.70	159.53	159.14	160.70	164.01	164.99	165.18	163.43
195.0	164.60	161.28	159.92	162.84	165.96	169.47	170.25	167.72	165.38
210.0	166.74	162.26	161.48	165.96	171.03	172.40	168.69	164.21	160.89
225.0	164.99	161.09	161.48	165.38	168.89	169.67	168.50	167.33	167.33
240.0	166.35	161.09	159.53	159.72	163.43	166.16	169.08	170.06	170.64
255.0	164.01	160.70	156.41	154.65	154.65	157.19	162.26	166.55	168.30
270.0	163.43	160.50	151.73	147.24	145.10	150.75	156.99	165.96	172.98
285.0	162.26	158.94	152.12	146.07	140.61	143.15	148.61	161.09	170.64
300.0	163.82	162.84	155.24	148.22	139.05	138.47	142.37	151.73	159.53
315.0	163.62	166.16	167.13	161.28	152.90	147.83	146.85	149.19	152.90
330.0	168.89	170.06	167.72	161.28	156.60	152.90	153.29	153.68	158.16
345.0	167.72	171.81	173.96	170.84	167.33	161.09	159.33	159.33	160.50
360.0	165.96	170.84	175.32	175.13	172.20	167.13	163.04	164.21	167.13

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	171.23	172.40	170.45	166.16	163.23	159.14	153.29	149.58	146.46
15.0	163.04	161.48	160.11	159.33	157.19	155.82	154.26	151.53	145.29
30.0	173.76	171.81	169.08	164.21	158.75	155.24	151.92	148.80	146.27
45.0	174.54	174.93	170.84	163.82	155.04	150.17	146.85	143.15	142.17
60.0	165.96	165.96	162.06	158.36	154.26	155.63	161.67	162.26	162.65
75.0	167.13	164.21	165.77	162.65	160.11	158.36	160.11	160.11	158.36
90.0	153.68	149.97	149.39	151.34	154.85	160.70	163.62	161.48	154.07
105.0	149.00	145.10	140.42	147.44	156.21	165.96	168.69	166.35	159.14
120.0	155.43	151.73	151.14	158.55	164.21	168.11	170.84	169.47	165.96
135.0	156.60	156.60	157.77	160.89	162.65	164.79	164.79	162.26	159.72
150.0	177.27	180.98	185.08	187.42	188.98	191.71	195.02	197.95	190.73
165.0	175.91	180.78	180.98	180.78	182.15	184.49	187.22	192.68	196.78
180.0	161.87	162.06	164.60	168.69	171.03	170.06	165.38	154.85	147.83
195.0	161.87	160.11	161.09	163.43	164.01	161.09	156.21	154.65	153.48
210.0	158.94	158.94	158.75	158.36	157.77	156.80	154.85	153.68	155.63
225.0	172.20	173.96	174.54	174.35	173.76	173.18	172.79	174.15	176.10
240.0	169.08	167.33	165.96	163.23	163.43	164.40	167.52	166.16	164.21
255.0	169.67	168.50	165.77	163.04	161.28	159.53	154.46	149.39	146.85
270.0	175.71	175.91	174.54	172.59	168.69	165.77	164.60	162.84	160.89
285.0	175.13	176.69	178.25	179.61	180.59	181.37	182.15	181.76	176.69
300.0	162.06	166.16	166.94	170.06	174.15	175.52	178.64	180.59	176.10
315.0	160.89	165.96	163.23	165.18	167.52	168.89	171.42	172.20	170.45
330.0	160.70	162.65	160.70	161.87	162.84	162.84	161.67	161.67	164.99
345.0	161.87	163.04	163.23	162.06	161.67	163.23	162.65	161.87	161.28
360.0	171.23	172.40	170.45	166.16	163.23	159.14	153.29	149.58	146.46

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	145.88	145.68	141.59	138.27	136.71	131.05	127.74	124.23	120.91
15.0	140.61	135.34	133.39	126.76	121.50	119.74	123.45	132.61	123.64
30.0	141.00	136.71	133.20	129.30	127.35	127.54	127.93	128.71	129.88
45.0	141.00	138.27	134.95	130.86	126.18	122.67	118.96	116.04	114.87
60.0	161.09	155.24	148.80	136.12	131.64	129.10	125.59	124.62	125.01
75.0	154.85	151.34	143.73	140.42	137.88	135.93	137.10	135.54	131.83
90.0	144.32	142.37	138.47	135.73	135.54	134.17	134.56	133.98	132.81
105.0	152.70	150.36	149.78	147.05	145.10	139.64	133.78	131.25	129.69
120.0	161.28	158.36	154.46	151.73	147.44	140.81	134.37	129.69	125.98
135.0	152.12	145.10	138.86	137.10	135.34	135.15	132.61	126.18	123.25
150.0	183.32	173.57	164.60	161.67	158.75	153.09	150.17	141.20	132.61
165.0	199.70	199.51	191.32	182.93	172.79	158.55	152.70	146.27	141.78
180.0	144.90	144.12	146.66	150.17	156.21	158.16	157.38	154.07	150.56
195.0	157.97	162.65	165.96	168.11	165.77	162.84	159.53	159.14	160.50
210.0	160.70	166.74	169.47	169.08	163.04	158.94	154.26	151.34	149.00
225.0	180.39	185.86	189.17	190.54	183.12	175.52	169.08	165.38	164.01
240.0	163.04	162.26	164.21	168.89	169.08	166.74	156.99	145.29	140.03
255.0	144.51	148.02	154.46	164.79	171.23	174.54	173.57	169.67	163.82
270.0	160.70	164.21	164.01	163.04	162.26	163.62	160.89	158.75	159.72
285.0	170.06	161.09	153.48	151.34	151.53	151.53	150.17	144.12	137.69
300.0	172.98	166.74	163.04	160.70	161.67	163.62	167.33	158.75	153.29
315.0	167.72	169.28	166.35	159.72	153.29	149.78	146.46	138.27	131.83
330.0	161.87	160.50	162.06	158.16	154.26	155.04	151.73	155.63	154.26
345.0	155.63	151.92	149.78	146.27	140.22	137.10	135.34	134.17	133.39
360.0	145.88	145.68	141.59	138.27	136.71	131.05	127.74	124.23	120.91

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	117.79	115.06	110.58	108.43	107.65	110.38	111.55	109.02	105.31
15.0	115.26	122.08	118.38	118.96	110.77	112.53	114.28	114.09	117.01
30.0	129.30	128.91	128.32	126.76	132.03	153.68	152.12	143.54	127.54
45.0	112.72	111.16	110.97	110.38	112.92	116.23	125.40	130.86	127.74
60.0	125.40	124.03	122.08	119.55	119.55	121.11	125.40	126.76	127.15
75.0	125.40	122.86	123.45	126.57	128.52	128.91	133.98	137.69	137.88
90.0	130.47	130.08	131.64	133.98	132.81	123.25	123.25	123.84	125.98
105.0	127.74	125.98	122.67	120.91	119.55	116.82	116.23	116.82	116.04
120.0	125.01	124.23	122.86	127.54	135.93	139.25	138.66	138.27	128.71
135.0	122.28	123.25	123.25	125.40	131.25	124.81	124.62	125.40	124.23
150.0	125.20	115.84	114.28	116.23	121.89	117.60	114.28	108.04	103.17
165.0	140.03	137.88	135.73	134.37	130.47	124.81	121.69	117.79	113.31
180.0	141.78	130.86	125.20	122.47	120.72	119.35	117.21	114.28	108.43
195.0	157.97	155.24	152.70	145.29	140.42	133.00	123.84	118.18	110.77
210.0	143.54	137.10	130.27	124.62	122.67	122.86	120.52	114.67	111.55
225.0	162.26	156.02	151.53	144.90	135.73	134.76	137.10	135.34	133.78
240.0	130.66	130.08	126.76	125.01	126.18	128.52	125.79	119.94	115.84
255.0	162.26	163.04	166.55	174.74	173.18	170.25	167.33	148.80	120.91
270.0	159.72	157.97	159.72	161.67	162.45	159.14	162.45	147.05	128.71
285.0	135.15	129.88	125.20	122.28	122.28	125.01	125.79	125.01	123.25
300.0	149.78	139.83	132.42	128.52	126.96	128.32	127.15	129.69	139.05
315.0	126.57	124.03	124.23	123.64	125.79	125.40	125.01	128.52	128.91
330.0	140.42	136.90	133.00	130.08	127.74	125.59	122.86	120.13	116.62
345.0	130.66	129.10	128.13	131.64	130.86	139.64	137.10	138.08	138.86
360.0	117.79	115.06	110.58	108.43	107.65	110.38	111.55	109.02	105.31

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	115.84	126.18	110.58	101.02	101.80	90.29	109.21	97.71	89.32
15.0	119.35	116.23	115.45	112.92	111.16	107.65	103.56	98.68	86.20
30.0	120.91	115.26	110.38	104.73	104.14	105.51	106.87	106.68	105.90
45.0	150.95	160.70	130.66	117.79	112.92	112.53	113.11	112.92	111.36
60.0	127.15	127.93	128.71	124.62	119.16	115.65	115.26	101.02	91.46
75.0	141.98	136.51	138.08	134.95	128.13	121.89	129.30	137.29	123.64
90.0	124.62	129.49	127.54	127.54	117.21	112.92	123.25	106.87	94.59
105.0	113.11	111.55	109.60	105.90	104.73	104.34	101.22	93.03	75.08
120.0	123.06	121.11	119.16	121.50	124.62	115.65	112.53	110.38	115.06
135.0	123.25	121.30	120.33	117.40	115.06	112.33	109.60	109.41	110.58
150.0	101.61	101.41	104.34	105.70	105.90	108.63	110.77	109.41	98.88
165.0	109.60	102.58	98.10	96.34	91.46	88.15	82.69	71.96	66.70
180.0	105.12	99.85	94.20	85.22	85.22	79.18	76.06	69.23	62.60
195.0	104.53	101.22	98.49	100.83	101.61	91.66	85.22	78.98	67.09
210.0	107.65	105.31	104.92	105.90	104.34	102.78	97.90	94.00	92.64
225.0	136.32	126.18	120.13	117.60	119.16	115.84	104.34	103.56	104.73
240.0	112.92	107.85	102.00	100.44	103.36	102.39	98.88	94.00	93.42
255.0	115.84	111.94	113.70	132.42	135.93	132.03	116.62	131.05	92.25
270.0	116.04	113.31	130.86	127.15	128.52	122.28	116.62	128.52	103.17
285.0	119.74	112.14	107.46	109.41	116.43	114.28	109.02	102.19	103.56
300.0	142.95	145.29	143.93	138.47	128.32	130.08	142.37	143.73	128.13
315.0	131.83	133.20	126.96	112.33	108.04	103.75	98.49	96.34	95.95
330.0	111.36	109.41	107.07	105.90	104.53	104.92	109.41	98.49	90.49
345.0	129.10	137.29	133.59	126.18	122.28	158.36	157.97	179.03	167.72
360.0	115.84	126.18	110.58	101.02	101.80	90.29	109.21	97.71	89.32

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	55.58	43.49	40.37	38.81	40.95	36.47	16.38	11.70	13.26
15.0	78.59	70.79	52.85	46.42	44.46	36.86	31.79	31.01	52.46
30.0	106.09	100.44	95.95	91.27	84.05	69.43	62.60	47.59	35.30
45.0	109.41	104.34	99.66	91.07	77.03	74.69	67.87	47.20	29.45
60.0	78.40	63.19	60.46	56.36	39.39	29.64	22.43	20.67	19.31
75.0	112.33	116.82	85.42	56.75	40.76	27.30	30.23	43.29	35.10
90.0	93.61	102.78	64.36	43.88	32.76	27.11	24.18	24.96	26.33
105.0	57.53	52.66	49.93	34.91	27.50	14.63	15.02	15.02	15.60
120.0	117.40	106.87	91.27	70.40	65.72	61.24	40.17	30.03	23.01
135.0	108.63	102.58	99.07	85.22	75.08	67.09	34.91	20.87	16.38
150.0	94.39	85.42	72.16	69.82	56.56	29.64	22.04	18.14	17.16
165.0	60.26	48.17	41.54	32.57	15.21	6.05	5.27	5.07	5.07
180.0	56.95	46.03	43.49	39.00	17.55	6.63	5.46	5.07	5.27
195.0	60.85	60.26	54.41	50.12	45.83	28.86	14.04	7.41	6.05
210.0	94.78	94.20	93.42	90.49	83.27	73.91	62.99	55.00	41.34
225.0	103.56	98.10	94.39	94.20	95.17	91.86	86.78	69.23	65.53
240.0	94.00	87.56	82.49	72.94	62.21	55.19	52.85	42.12	31.01
255.0	88.93	118.96	101.02	90.49	96.34	85.81	62.60	31.01	53.05
270.0	89.90	114.09	102.58	96.54	98.88	58.31	42.12	35.49	40.95
285.0	91.46	89.51	80.93	70.99	57.92	52.46	52.85	43.68	24.96
300.0	120.52	111.94	103.75	99.07	95.95	91.86	77.62	72.55	68.65
315.0	95.76	96.34	97.12	98.68	97.71	88.15	77.03	64.94	48.95
330.0	83.66	73.72	65.53	56.36	46.61	38.61	54.02	64.36	47.78
345.0	158.75	141.39	101.41	86.39	68.26	84.25	61.63	70.79	71.57
360.0	55.58	43.49	40.37	38.81	40.95	36.47	16.38	11.70	13.26

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	13.26	13.85	16.38	11.90	7.41	6.83	7.22	7.02	6.05
15.0	62.99	60.65	17.36	16.58	37.44	24.18	26.52	11.31	11.70
30.0	22.82	17.36	14.43	9.17	9.95	7.02	6.83	5.66	4.68
45.0	21.06	14.63	8.78	8.97	7.02	6.05	6.05	5.66	6.63
60.0	17.36	15.99	14.43	13.26	12.48	11.51	9.56	8.78	8.39
75.0	23.40	17.75	13.26	12.68	12.87	12.87	12.68	12.09	11.70
90.0	18.53	14.43	11.31	11.12	11.12	11.31	11.90	12.48	12.09
105.0	17.75	21.45	15.99	15.21	14.82	13.65	12.29	10.53	8.39
120.0	19.50	13.07	11.70	9.75	9.17	8.19	6.83	5.85	4.88
135.0	8.58	6.83	6.44	6.05	4.88	4.29	3.51	2.93	2.54
150.0	16.77	16.19	11.90	6.83	4.88	6.05	6.83	4.29	2.93
165.0	7.41	8.78	4.49	3.71	3.12	3.12	2.73	2.15	2.73
180.0	6.63	13.26	5.66	4.49	3.51	2.93	2.93	2.34	2.15
195.0	4.88	4.68	5.66	3.51	3.12	2.93	2.93	3.51	4.68
210.0	26.33	20.48	17.16	12.87	6.83	6.05	4.49	3.90	3.51
225.0	53.05	34.32	23.01	16.38	9.17	8.19	8.78	10.53	10.34
240.0	18.72	18.53	17.75	17.16	15.99	12.87	14.04	11.70	10.53
255.0	35.88	27.89	21.84	17.75	11.51	8.78	8.19	8.39	8.39
270.0	29.06	26.33	22.04	18.53	12.29	8.39	7.80	8.00	7.61
285.0	21.26	18.53	15.60	14.04	11.70	9.95	9.36	10.14	10.92
300.0	59.29	41.93	25.35	18.14	13.65	10.14	8.39	7.22	6.63
315.0	43.49	35.30	20.28	15.60	10.53	8.19	7.61	7.22	7.61
330.0	37.25	26.91	19.31	13.26	8.39	6.83	6.24	6.44	7.80
345.0	39.59	41.54	13.46	16.97	9.56	8.97	9.36	8.78	8.97
360.0	13.26	13.85	16.38	11.90	7.41	6.83	7.22	7.02	6.05

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	5.07	5.46	6.05	7.80	10.34	12.48	11.70	4.29	2.93
15.0	9.36	5.46	4.88	4.29	4.29	3.51	3.32	3.32	2.54
30.0	5.46	7.41	5.85	3.32	2.73	2.73	2.34	2.73	3.90
45.0	7.80	6.24	4.68	4.10	3.51	2.93	2.93	3.12	2.93
60.0	6.24	5.27	6.24	5.07	3.71	3.51	3.32	3.51	3.51
75.0	11.12	10.92	11.31	10.73	8.78	6.83	6.05	5.85	5.85
90.0	12.87	13.07	13.65	13.26	12.09	11.31	10.53	10.34	8.78
105.0	6.63	6.05	5.07	4.29	3.71	3.71	3.71	3.90	3.12
120.0	4.49	4.29	4.49	5.85	6.24	5.85	6.83	9.95	8.97
135.0	2.34	1.95	1.76	1.37	1.37	1.17	1.37	3.71	5.27
150.0	2.34	1.95	1.56	1.37	1.17	0.98	0.78	0.78	0.78
165.0	3.71	6.63	10.92	11.70	8.58	2.15	1.17	1.37	1.37
180.0	1.95	1.95	1.76	2.34	4.29	6.83	8.19	4.10	2.34
195.0	7.02	4.49	2.93	2.15	1.56	1.17	0.78	0.59	0.39
210.0	2.93	2.34	1.95	1.95	1.76	2.15	2.93	3.51	3.32
225.0	10.14	4.29	4.29	3.90	3.12	2.93	2.73	2.73	3.12
240.0	8.97	7.22	6.05	4.29	3.90	3.71	3.90	3.51	3.32
255.0	8.78	8.58	8.97	9.36	9.36	8.97	7.22	5.85	5.27
270.0	8.19	9.75	8.58	8.58	9.17	9.75	10.14	9.95	8.58
285.0	11.70	9.95	8.19	6.63	6.63	4.68	3.90	3.12	2.34
300.0	8.19	8.39	7.02	5.85	7.22	3.90	3.90	3.90	3.90
315.0	9.56	6.83	5.66	4.68	4.68	4.49	4.29	3.71	2.93
330.0	7.02	5.27	5.07	4.29	4.10	3.90	3.71	4.29	4.68
345.0	7.61	6.83	7.61	8.97	10.73	12.48	8.97	4.88	4.29
360.0	5.07	5.46	6.05	7.80	10.34	12.48	11.70	4.29	2.93

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	3.51	4.68	4.29	4.10	4.68	4.68	3.71	2.54	1.37
15.0	2.34	2.34	1.95	1.76	1.56	1.17	0.98	0.78	0.20
30.0	3.90	3.32	2.54	1.56	1.37	0.78	0.39	0.39	0.20
45.0	3.71	4.10	5.46	2.34	2.34	2.15	1.56	1.37	1.17
60.0	3.51	3.51	3.12	2.34	1.95	1.76	1.37	1.17	0.78
75.0	4.49	3.71	3.51	2.73	3.51	3.71	3.71	2.93	2.34
90.0	8.00	7.02	4.88	4.10	3.51	2.93	2.34	2.34	2.15
105.0	2.34	2.15	1.95	1.56	1.56	1.56	1.17	0.98	1.17
120.0	6.83	5.27	4.68	2.93	2.34	1.76	1.37	1.17	0.59
135.0	4.68	2.73	2.54	2.34	2.34	1.37	0.78	0.78	0.59
150.0	0.78	1.37	1.37	1.76	40.95	13.65	6.83	20.09	30.03
165.0	1.37	1.17	2.15	2.73	3.51	2.93	2.54	2.15	1.76
180.0	2.93	3.51	5.07	6.44	5.85	3.12	2.34	3.12	3.51
195.0	0.39	0.20	0.20	0.20	0.39	0.78	4.29	16.97	12.48
210.0	2.15	1.56	1.17	0.59	0.20	0.20	0.20	0.20	0.20
225.0	2.93	2.93	3.12	2.73	1.95	1.76	1.17	0.78	0.59
240.0	3.51	2.54	2.15	1.95	1.95	1.56	1.37	1.37	1.37
255.0	5.07	4.88	5.27	5.85	6.24	6.24	5.27	3.90	2.93
270.0	7.02	5.27	4.49	4.49	4.68	4.68	4.88	4.49	4.10
285.0	2.15	1.95	1.56	1.56	1.56	1.37	1.17	0.98	1.17
300.0	3.71	3.51	3.51	2.73	2.15	2.15	1.37	1.56	0.98
315.0	2.93	2.73	2.54	1.95	1.76	1.95	1.76	1.95	1.95
330.0	5.85	4.49	2.73	3.32	3.71	3.71	1.56	1.37	1.37
345.0	3.71	2.93	2.93	3.12	4.68	4.88	4.49	4.68	4.68
360.0	3.51	4.68	4.29	4.10	4.68	4.68	3.71	2.54	1.37

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.39	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.0	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.0	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00
45.0	0.98	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00
60.0	0.59	0.39	0.20	0.20	0.00	0.00	0.00	0.00	0.00
75.0	1.76	1.76	2.34	0.39	0.20	0.00	0.00	0.00	0.00
90.0	2.15	1.17	0.59	0.00	0.00	0.00	0.00	0.00	0.00
105.0	1.17	0.39	0.20	0.20	0.00	0.00	0.00	0.20	0.00
120.0	0.39	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	9.75	1.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	1.56	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	3.51	2.73	0.20	0.00	0.00	0.00	0.00	0.00	0.00
195.0	12.29	20.28	5.07	0.20	0.00	0.00	0.00	0.00	0.00
210.0	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00
225.0	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00
240.0	1.37	0.98	0.39	0.20	0.00	0.00	0.00	0.00	0.00
255.0	2.73	2.34	1.95	0.98	0.20	0.20	0.20	0.00	0.00
270.0	3.51	2.73	1.56	0.59	0.20	0.00	0.00	0.00	0.00
285.0	1.17	1.37	1.17	0.20	0.20	0.00	0.00	0.20	0.00
300.0	0.59	0.59	2.15	1.17	1.17	0.39	0.00	0.00	0.00
315.0	1.95	1.37	1.17	0.20	0.00	0.00	0.00	0.00	0.20
330.0	0.78	0.39	0.20	0.00	0.00	0.00	0.00	0.00	0.00
345.0	2.93	3.90	1.95	0.20	0.00	0.00	0.00	0.00	0.00
360.0	0.39	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20
15.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.0	0.00	0.39	0.00	0.20	1.56	2.93	4.49	6.24	6.83
90.0	0.20	0.20	0.78	1.95	2.93	5.07	3.71	2.34	2.93
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.20	0.20	0.59	1.56	2.73	3.51	5.07
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	1.95
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
195.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
210.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
240.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
255.0	0.00	0.39	0.00	0.20	1.56	2.93	0.20	0.98	4.29
270.0	0.20	0.20	0.78	1.95	2.93	5.07	3.71	0.39	1.37
285.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.0	0.00	0.00	0.20	0.20	0.59	1.56	2.73	3.51	5.07
315.0	1.37	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
345.0	0.00	0.00	0.00	0.20	0.20	0.98	3.71	14.82	20.09
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20

C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	0.00	0.20	0.20	0.59	0.59	0.20	0.20	0.20	0.59
15.0	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.20
30.0	0.00	0.00	0.00	0.20	0.00	0.00	0.20	0.20	0.20
45.0	0.00	0.00	1.37	0.00	0.00	0.20	0.20	0.78	1.56
60.0	0.00	0.00	0.00	0.00	0.00	0.20	0.39	1.37	2.15
75.0	8.39	10.14	12.29	8.19	7.22	6.63	7.41	7.41	6.83
90.0	4.29	5.07	6.05	7.61	6.05	3.12	3.90	4.29	7.41
105.0	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.20
120.0	4.49	3.12	0.20	0.20	0.00	0.00	0.20	0.20	0.20
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20
150.0	0.00	0.00	0.00	0.00	0.20	0.20	0.20	0.20	0.39
165.0	2.73	4.10	5.07	5.46	6.63	7.61	8.97	17.75	23.21
180.0	0.39	0.78	1.76	2.73	5.46	6.83	7.02	7.02	6.24
195.0	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.20
210.0	0.00	0.00	0.00	0.20	0.00	0.00	0.20	0.20	0.20
225.0	0.00	0.00	1.37	0.00	0.00	0.20	0.20	0.78	1.56
240.0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.20	0.20
255.0	10.92	16.77	11.70	11.70	15.21	20.48	28.67	34.32	35.88
270.0	1.76	1.56	1.37	1.37	1.37	0.98	0.39	0.20	0.59
285.0	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.20
300.0	4.49	3.12	0.20	0.20	0.00	0.00	0.20	0.20	0.20
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.59	1.17
330.0	0.00	0.20	0.20	0.59	0.78	0.98	1.95	2.93	4.49
345.0	16.58	13.65	14.24	21.06	32.18	41.34	29.45	25.94	26.13
360.0	0.00	0.20	0.20	0.59	0.59	0.20	0.20	0.20	0.59

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	1.17	1.17	1.56	2.34	3.71	5.46	3.32	2.73	3.90
15.0	0.20	0.20	0.39	0.59	1.17	1.56	2.73	5.27	8.58
30.0	0.20	0.20	0.59	0.59	1.17	1.17	1.56	1.56	1.56
45.0	2.15	3.12	2.93	3.51	3.12	2.73	2.15	1.56	1.37
60.0	3.51	0.59	0.00	0.00	8.78	10.53	14.43	22.82	26.72
75.0	8.00	7.80	2.15	0.00	0.00	0.00	0.20	0.78	0.59
90.0	2.73	0.98	0.20	0.00	0.00	0.00	0.20	0.39	1.17
105.0	0.20	0.00	0.00	0.00	0.20	1.17	2.15	3.32	6.63
120.0	0.20	0.20	0.20	0.20	0.20	0.00	0.00	0.20	3.12
135.0	0.20	0.59	0.39	0.59	0.78	1.17	1.17	0.98	0.78
150.0	0.59	0.78	0.98	1.56	2.93	3.90	4.88	6.83	8.39
165.0	18.72	16.97	27.11	38.22	38.61	42.71	43.10	29.84	38.22
180.0	5.46	2.15	1.37	1.56	2.93	5.27	5.66	2.54	3.32
195.0	0.20	0.20	0.39	0.59	0.20	0.20	0.20	0.20	0.20
210.0	0.20	0.20	0.59	0.59	1.17	0.20	1.56	1.56	1.56
225.0	2.15	3.12	2.93	3.51	0.20	0.78	1.17	0.78	1.56
240.0	0.20	0.20	0.00	0.00	0.20	1.56	1.95	4.10	4.10
255.0	36.66	35.49	14.24	3.51	0.00	8.39	28.08	39.00	34.13
270.0	1.17	0.98	0.20	0.00	0.00	5.46	4.29	5.07	8.19
285.0	0.20	0.00	0.00	0.00	0.20	1.17	2.15	0.20	2.93
300.0	0.20	1.37	7.02	9.17	12.68	13.46	14.43	12.87	1.37
315.0	1.37	1.76	3.51	5.07	7.41	9.56	11.12	5.66	4.29
330.0	5.85	6.63	7.22	11.12	12.48	14.63	18.72	25.55	33.74
345.0	30.23	37.83	39.20	38.22	31.20	22.82	15.41	25.35	20.28
360.0	1.17	1.17	1.56	2.34	3.71	5.46	3.32	2.73	3.90

C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	11.12	17.16	16.58	20.09	24.57	28.28	35.69	43.29	52.85
15.0	10.92	16.97	20.67	25.35	24.96	23.99	23.01	32.57	31.40
30.0	1.76	2.15	2.34	2.54	2.93	2.93	3.12	2.54	2.54
45.0	1.37	1.37	1.56	2.15	3.90	3.90	5.07	5.46	6.05
60.0	36.47	46.61	53.83	60.26	62.60	69.62	84.05	92.64	94.98
75.0	0.59	0.98	1.37	1.37	1.56	1.76	1.95	2.15	3.71
90.0	1.17	1.37	2.54	7.80	7.61	8.00	8.78	9.75	10.14
105.0	9.56	12.68	19.11	23.99	24.77	15.80	9.56	7.02	8.19
120.0	8.19	6.44	6.63	4.29	4.49	9.17	14.82	16.97	14.24
135.0	0.20	0.20	0.00	0.00	0.20	0.78	1.56	2.34	3.71
150.0	8.97	10.73	3.51	1.95	2.15	0.20	0.20	2.54	21.45
165.0	48.76	76.64	63.19	46.61	44.85	38.22	34.52	11.12	1.17
180.0	5.27	8.39	10.73	10.53	10.73	15.60	19.31	20.87	14.63
195.0	0.39	0.59	0.59	0.20	24.96	0.20	4.49	5.85	4.88
210.0	1.76	2.15	2.34	2.54	0.59	0.98	1.56	2.54	3.12
225.0	4.49	5.27	4.49	1.95	2.93	4.68	4.88	2.93	1.95
240.0	3.12	1.56	2.34	5.07	8.97	12.68	17.94	33.35	42.71
255.0	27.30	14.24	17.36	24.18	21.84	16.77	17.55	18.72	17.75
270.0	8.19	6.24	2.34	4.88	11.51	8.39	11.51	20.28	28.86
285.0	9.95	10.34	11.51	11.90	13.26	18.53	22.23	37.83	52.85
300.0	0.98	1.37	0.78	0.59	0.39	0.98	1.56	2.34	3.71
315.0	4.49	5.46	5.46	4.88	3.90	3.51	2.93	1.95	1.56
330.0	33.15	35.49	37.64	42.51	49.93	56.56	58.90	64.36	85.61
345.0	6.44	7.61	8.97	6.44	8.97	11.31	14.04	18.14	29.06
360.0	11.12	17.16	16.58	20.09	24.57	28.28	35.69	43.29	52.85

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	63.58	53.24	49.73	48.37	43.68	33.93	40.37	47.59	28.86
15.0	28.47	22.23	9.36	5.07	3.71	8.97	19.50	37.64	72.16
30.0	2.93	2.93	3.12	3.51	3.51	3.51	3.71	4.10	4.29
45.0	7.80	7.41	7.61	9.75	14.82	12.87	10.53	10.14	9.75
60.0	98.88	100.63	105.31	122.67	131.83	153.09	151.73	122.08	116.62
75.0	5.27	9.36	10.92	37.05	49.34	55.39	81.32	64.36	54.80
90.0	10.92	12.09	16.38	25.35	31.01	44.27	73.33	75.86	90.29
105.0	25.16	36.47	49.15	61.63	82.88	99.85	121.50	133.98	153.68
120.0	10.53	9.95	12.09	11.70	13.07	20.87	20.28	19.11	15.41
135.0	4.29	3.90	3.71	3.71	3.90	3.90	3.90	4.49	5.27
150.0	36.47	46.42	57.53	62.41	67.28	77.81	80.93	76.25	83.86
165.0	1.37	2.15	14.43	32.37	50.51	67.67	74.89	76.25	65.33
180.0	21.06	22.23	30.23	45.24	55.97	49.73	63.38	78.79	95.95
195.0	8.97	14.43	16.19	23.21	34.91	35.30	31.59	42.12	49.15
210.0	3.90	4.88	4.68	5.46	4.49	5.07	10.92	10.53	7.02
225.0	1.56	1.56	1.56	1.95	2.93	5.27	6.63	3.71	3.71
240.0	50.32	63.58	89.32	108.82	168.11	165.57	157.97	171.03	183.12
255.0	20.09	24.57	36.86	48.17	62.21	81.91	84.83	91.86	77.03
270.0	27.69	28.28	30.23	31.98	46.03	58.90	68.84	67.67	82.30
285.0	58.51	64.16	75.28	75.67	85.61	108.82	118.57	124.03	124.03
300.0	4.10	5.27	7.02	7.02	6.83	8.39	10.92	14.43	26.72
315.0	1.37	1.37	1.56	1.95	2.15	2.34	3.12	3.32	4.49
330.0	91.27	90.88	88.54	62.21	52.66	35.10	23.21	22.04	46.03
345.0	43.68	43.49	37.64	49.54	51.49	40.56	39.78	31.40	22.62
360.0	63.58	53.24	49.73	48.37	43.68	33.93	40.37	47.59	28.86

C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	22.62	20.09	9.36	7.80	20.87	32.57	39.78	44.85	53.24
15.0	93.03	89.51	88.93	89.71	63.58	40.56	33.15	41.54	39.20
30.0	4.49	4.29	4.49	4.68	4.88	5.07	5.07	5.27	5.46
45.0	8.19	8.78	8.78	6.83	6.83	6.83	6.44	5.66	5.27
60.0	94.39	53.83	59.48	62.41	26.13	20.28	10.92	5.27	4.68
75.0	35.10	27.89	30.23	21.26	24.38	22.43	9.36	7.22	4.88
90.0	100.24	102.00	102.39	73.52	68.45	60.46	30.03	18.53	14.82
105.0	183.12	197.56	203.02	166.35	145.29	114.87	93.81	59.09	12.68
120.0	14.43	11.31	5.66	11.70	14.82	5.46	2.73	2.73	1.56
135.0	3.90	2.73	2.15	1.95	1.76	1.76	1.76	1.37	1.17
150.0	77.23	75.28	79.57	78.79	48.17	26.91	34.32	30.42	5.85
165.0	63.58	81.13	84.44	75.47	67.48	53.24	39.59	15.02	3.71
180.0	97.90	82.30	81.32	71.57	45.83	43.68	41.34	10.53	4.29
195.0	64.16	60.46	62.41	66.31	38.61	26.72	32.57	16.97	4.88
210.0	2.15	1.37	1.17	1.95	1.76	1.95	0.98	0.98	0.78
225.0	3.32	3.71	4.10	3.71	4.49	4.88	6.24	10.14	4.68
240.0	186.83	189.17	204.58	193.07	177.08	136.71	114.87	109.60	93.61
255.0	75.86	75.86	76.84	81.71	102.19	65.53	41.93	30.62	8.58
270.0	83.08	85.03	85.03	88.73	93.03	79.96	70.01	58.31	44.85
285.0	125.20	117.60	108.04	79.96	58.90	33.74	32.37	26.91	20.67
300.0	26.91	23.79	21.06	20.28	19.89	20.48	20.87	20.67	18.72
315.0	7.02	9.56	8.00	8.58	7.02	6.24	5.27	5.07	5.07
330.0	56.75	60.46	66.50	84.83	77.23	62.99	28.28	15.21	12.09
345.0	10.14	18.14	21.26	20.28	20.28	31.59	26.33	17.75	18.53
360.0	22.62	20.09	9.36	7.80	20.87	32.57	39.78	44.85	53.24

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	76.06	103.75	106.87	92.44	100.24	80.93	74.89	77.81	71.38
15.0	31.01	23.21	27.50	36.27	42.51	40.37	37.64	45.05	57.34
30.0	5.46	6.05	6.05	5.46	6.05	9.36	7.80	5.46	4.88
45.0	5.46	6.83	5.66	4.49	4.10	4.29	4.49	5.07	5.07
60.0	4.29	3.71	3.12	2.73	2.93	3.32	4.68	4.29	4.49
75.0	3.90	3.51	2.73	2.73	2.93	3.32	3.32	3.51	2.73
90.0	10.34	5.85	3.71	3.71	3.51	2.93	2.54	3.32	3.51
105.0	3.32	2.34	2.15	1.37	1.17	1.17	1.37	2.34	2.73
120.0	1.17	1.17	1.17	1.17	0.78	0.78	0.39	0.39	0.20
135.0	0.78	0.59	0.39	0.20	0.20	0.20	0.20	0.00	0.00
150.0	1.76	0.78	0.20	0.20	0.20	0.00	0.20	0.00	0.00
165.0	3.12	2.73	2.34	2.15	2.93	0.98	1.37	1.95	2.73
180.0	2.34	1.56	0.98	0.78	0.20	0.20	0.20	0.20	0.20
195.0	1.56	0.98	0.78	0.59	0.20	40.37	37.64	45.05	57.34
210.0	0.59	0.39	0.20	0.39	0.59	0.39	0.20	0.20	0.20
225.0	2.15	1.37	1.56	1.56	1.37	1.37	1.17	0.98	1.17
240.0	39.00	21.45	5.46	4.88	4.10	5.07	5.85	6.05	2.93
255.0	6.83	6.24	5.66	5.07	5.07	4.88	5.46	4.88	5.85
270.0	34.71	15.41	5.07	4.68	4.29	4.49	5.27	7.61	7.02
285.0	14.63	4.29	3.71	3.71	3.90	3.90	5.46	11.12	13.85
300.0	8.97	6.24	5.85	5.46	5.46	6.05	5.07	4.68	4.29
315.0	5.27	4.68	4.68	5.07	5.27	5.07	5.46	4.88	4.68
330.0	10.53	6.63	4.88	7.61	7.61	9.17	15.21	15.41	19.11
345.0	29.25	23.60	34.13	56.36	40.37	47.00	48.56	50.32	51.88
360.0	76.06	103.75	106.87	92.44	100.24	80.93	74.89	77.81	71.38

C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	65.53	88.54	73.72	69.43	45.44	33.93	12.87	4.49	3.71
15.0	63.77	68.06	70.21	70.40	40.56	28.67	13.07	8.78	8.58
30.0	4.88	6.44	9.17	14.04	18.72	19.31	21.06	30.42	43.10
45.0	4.68	5.85	9.17	17.55	29.45	38.81	54.41	67.09	76.84
60.0	4.88	13.07	21.45	29.45	31.59	40.17	51.10	46.81	45.05
75.0	1.95	1.56	1.37	1.17	0.98	0.98	0.59	0.20	0.20
90.0	5.66	3.71	1.76	1.17	0.59	0.39	0.20	0.20	0.00
105.0	1.37	0.98	0.78	1.37	0.39	0.20	0.20	0.20	0.00
120.0	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	2.15	0.59	2.54	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
195.0	63.77	68.06	70.21	70.40	40.56	28.67	13.07	8.78	8.58
210.0	4.88	0.20	9.17	14.04	18.72	19.31	21.06	30.42	43.10
225.0	4.29	7.41	13.26	12.68	0.78	0.20	54.41	67.09	76.84
240.0	1.95	1.56	1.76	1.56	1.56	1.56	1.17	0.59	0.20
255.0	6.05	4.88	2.34	1.76	1.56	1.17	1.17	0.78	0.20
270.0	5.46	6.63	3.71	3.12	5.07	7.61	6.44	1.95	1.37
285.0	22.43	26.72	41.93	41.15	43.88	69.82	74.11	64.75	93.22
300.0	6.05	10.73	16.38	33.35	32.57	38.42	53.05	71.18	88.34
315.0	4.68	5.07	5.46	6.83	16.38	22.04	25.55	31.40	42.51
330.0	23.99	34.13	42.12	28.47	25.74	22.43	13.65	8.19	13.07
345.0	67.87	85.81	85.22	78.98	48.37	39.39	31.20	16.97	4.49
360.0	65.53	88.54	73.72	69.43	45.44	33.93	12.87	4.49	3.71

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	3.71	3.51	3.90	6.63	8.19	9.36	13.07	16.77	5.07
15.0	12.68	20.67	30.62	46.42	55.39	67.87	81.71	78.40	65.72
30.0	73.13	96.15	109.41	123.84	135.34	141.98	134.56	134.17	114.09
45.0	102.39	121.50	130.47	132.42	147.83	154.65	117.21	76.06	64.16
60.0	53.05	60.26	63.77	68.45	64.94	38.81	19.11	5.46	0.20
75.0	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.20	0.20	0.20	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
195.0	12.68	20.67	30.62	46.42	55.39	67.87	81.71	78.40	65.72
210.0	73.13	96.15	109.41	123.84	135.34	141.98	134.56	134.17	114.09
225.0	102.39	121.50	130.47	132.42	147.83	154.65	117.21	76.06	64.16
240.0	0.20	60.26	63.77	68.45	64.94	38.81	19.11	5.46	0.20
255.0	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.98	0.78	0.59	0.78	0.78	0.39	0.20	0.00	0.00
285.0	99.66	92.44	87.37	69.04	54.02	50.12	49.93	38.03	10.92
300.0	101.02	111.94	122.28	146.66	148.41	159.92	150.75	116.04	67.67
315.0	54.80	74.50	88.73	104.92	111.36	115.45	126.57	136.90	126.57
330.0	14.82	19.70	35.69	59.68	70.01	74.11	74.69	74.89	93.61
345.0	4.10	4.29	4.68	8.97	16.38	24.77	29.25	28.47	18.33
360.0	3.71	3.51	3.90	6.63	8.19	9.36	13.07	16.77	5.07

C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	5.66	2.15	2.93	2.93	6.05	0.00	2.73	0.00	0.00
15.0	56.17	39.78	29.64	6.24	3.51	0.98	1.37	0.00	0.00
30.0	74.30	42.32	13.26	2.34	1.17	0.20	0.00	0.00	0.00
45.0	17.16	0.78	0.20	0.00	0.00	0.00	0.00	0.00	0.00
60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
195.0	56.17	39.78	29.64	6.24	3.51	0.98	1.37	0.00	0.00
210.0	74.30	42.32	13.26	2.34	1.17	0.20	0.00	0.00	0.00
225.0	17.16	0.78	0.20	0.00	0.00	0.00	0.00	0.00	0.00
240.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
255.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.0	43.68	4.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	117.99	83.47	50.12	5.27	0.20	0.00	0.00	0.00	0.00
330.0	63.58	47.78	30.62	8.19	2.93	0.20	0.00	0.00	0.00
345.0	20.48	10.34	15.21	6.63	6.05	3.90	0.00	0.00	0.00
360.0	5.66	2.15	2.93	2.93	6.05	0.00	2.73	0.00	0.00

Intensity data(cd)

C/γ(°)	180.0
0.0	0.00
15.0	0.00
30.0	0.00
45.0	0.00
60.0	0.00
75.0	0.00
90.0	0.00
105.0	0.00
120.0	0.00
135.0	0.00
150.0	0.00
165.0	0.00
180.0	0.00
195.0	0.00
210.0	0.00
225.0	0.00
240.0	0.00
255.0	0.00
270.0	0.00
285.0	0.00
300.0	0.00
315.0	0.00
330.0	0.00
345.0	0.00
360.0	0.00