
乐达凯

Client:

LumCAT: AUGW0808LAJMVBK

Luminaire: LED 灯具

Report No:

Ballast type:

Test No:

Voltage(V): 120.050

LampCAT:

Current(A): 0.077

Lamp flux(lm): 760.8

Power (W): 9.060

Number of Lamps: 1

PF: 0.979

Length(mm): 180

Width(mm): 50

Phm Type: C

Height(mm): 175

Photometric Results

Lumens(lm): 760.84, Efficiency(%): 100.00% , Luminous Efficacy(lm/W): 83.98

Central intensity(cd): 36.826, Maximum intensity(cd): 163.473

Angle of maximum intensity: C=90.0 γ =80.0

Beam Angle(50%Imax): [C0/180]Total=330.4

[C90/270]Total=131.9

Field angle(10%Imax): [C0/180]Total=N.A.

[C90/270]Total=223.1

Maximum s/h(1/2): C0_180=1.84 C90_270=3.45

Maximum s/h(1/4): C0_180=1.96 C90_270=3.37

Up flux rate of lamp(%): 50.53%

Down flux rate of lamp(%): 49.47%

Up flux rate of LUM(%): 50.53%

Down flux rate of LUM(%): 49.47%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 22.430%

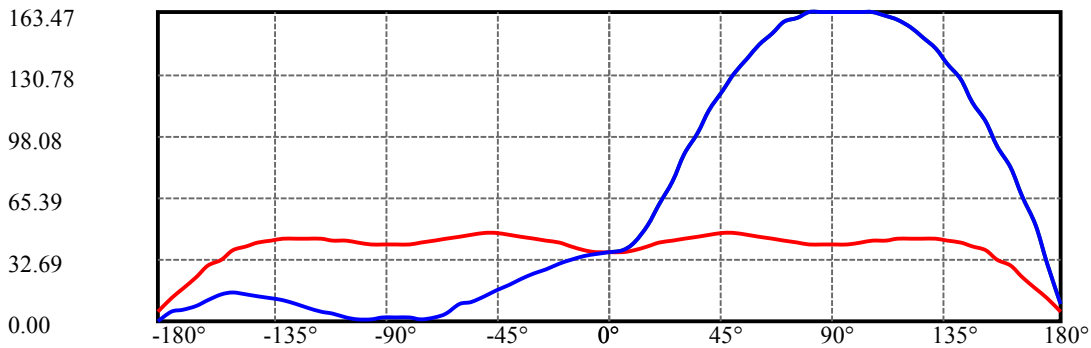
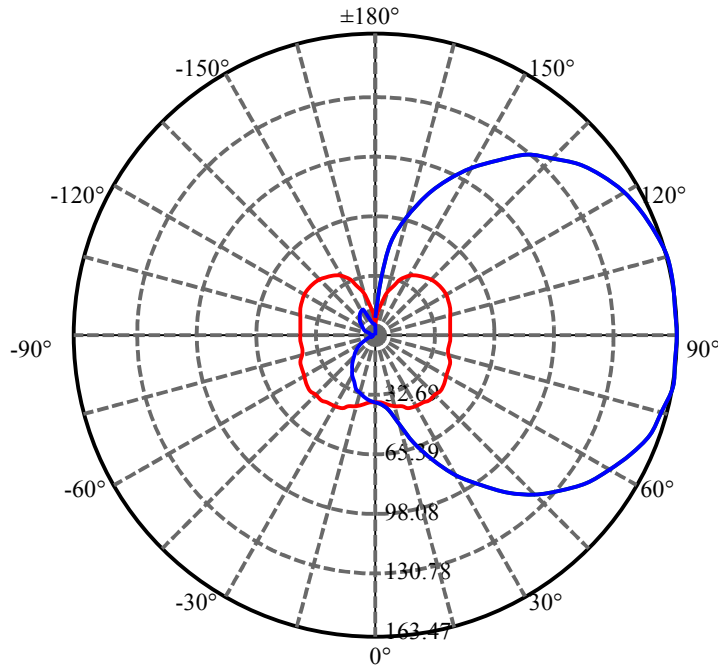
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	36.826	0.000	0	0.00%	0.00%
5.0	36.751	0.880	0.88	0.12%	0.12%
10.0	37.500	2.656	3.536	0.35%	0.46%
15.0	39.633	4.575	8.111	0.60%	1.07%
20.0	43.039	6.813	14.925	0.90%	1.96%
25.0	46.220	9.362	24.286	1.23%	3.19%
30.0	49.813	12.153	36.439	1.60%	4.79%
35.0	52.956	15.133	51.573	1.99%	6.78%
40.0	55.913	18.164	69.737	2.39%	9.17%
45.0	58.346	21.156	90.893	2.78%	11.95%
50.0	60.554	24.025	114.918	3.16%	15.10%
55.0	62.238	26.699	141.617	3.51%	18.61%
60.0	63.398	29.040	170.657	3.82%	22.43%
65.0	64.221	31.025	201.682	4.08%	26.51%
70.0	64.895	32.693	234.375	4.30%	30.80%
75.0	65.419	34.062	268.437	4.48%	35.28%
80.0	66.130	35.199	303.636	4.63%	39.91%
85.0	66.729	36.101	339.737	4.74%	44.65%
90.0	67.141	36.654	376.391	4.82%	49.47%
95.0	67.328	36.818	413.21	4.84%	54.31%
100.0	67.515	36.640	449.85	4.82%	59.13%
105.0	67.852	36.220	486.07	4.76%	63.89%
110.0	68.039	35.520	521.589	4.67%	68.55%
115.0	67.889	34.418	556.007	4.52%	73.08%
120.0	66.991	32.790	588.797	4.31%	77.39%
125.0	65.756	30.684	619.481	4.03%	81.42%
130.0	63.959	28.204	647.685	3.71%	85.13%
135.0	61.265	25.303	672.988	3.33%	88.45%
140.0	58.383	22.154	695.142	2.91%	91.37%
145.0	54.491	18.832	713.974	2.48%	93.84%
150.0	50.112	15.404	729.378	2.02%	95.86%
155.0	44.910	12.025	741.403	1.58%	97.45%
160.0	38.660	8.765	750.168	1.15%	98.60%
165.0	31.400	5.774	755.942	0.76%	99.36%
170.0	23.690	3.268	759.21	0.43%	99.79%
175.0	15.195	1.391	760.601	0.18%	99.97%
180.0	4.865	0.240	760.841	0.03%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	36.44	4.79%	4.79%
0-40	69.74	9.17%	9.17%
0-60	170.66	22.43%	22.43%
0-90	376.39	49.47%	49.47%
0-120	588.80	77.39%	77.39%
0-180	760.84	100.00%	100.00%
60-90	205.73	27.04%	27.04%
90-120	212.41	27.92%	27.92%
90-130	271.29	35.66%	35.66%
90-150	352.99	46.39%	46.39%
90-180	384.21	50.50%	50.50%
0-123.24	608.67	80.00%	80.00%

ZONAL LUMEN SUMMARY

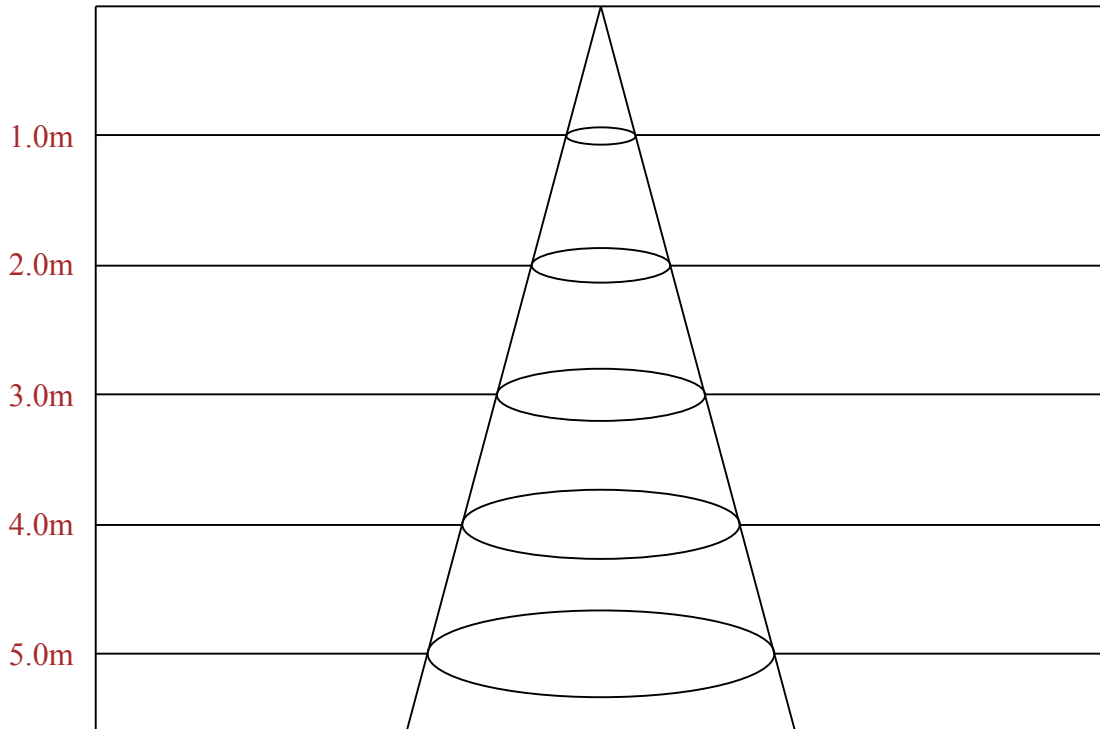
0-10	3.54
10-20	11.39
20-30	21.51
30-40	33.30
40-50	45.18
50-60	55.74
60-70	63.72
70-80	69.26
80-90	72.76
90-100	73.46
100-110	71.74
110-120	67.21
120-130	58.89
130-140	47.46
140-150	34.24
150-160	20.79
160-170	9.04
170-180	1.39



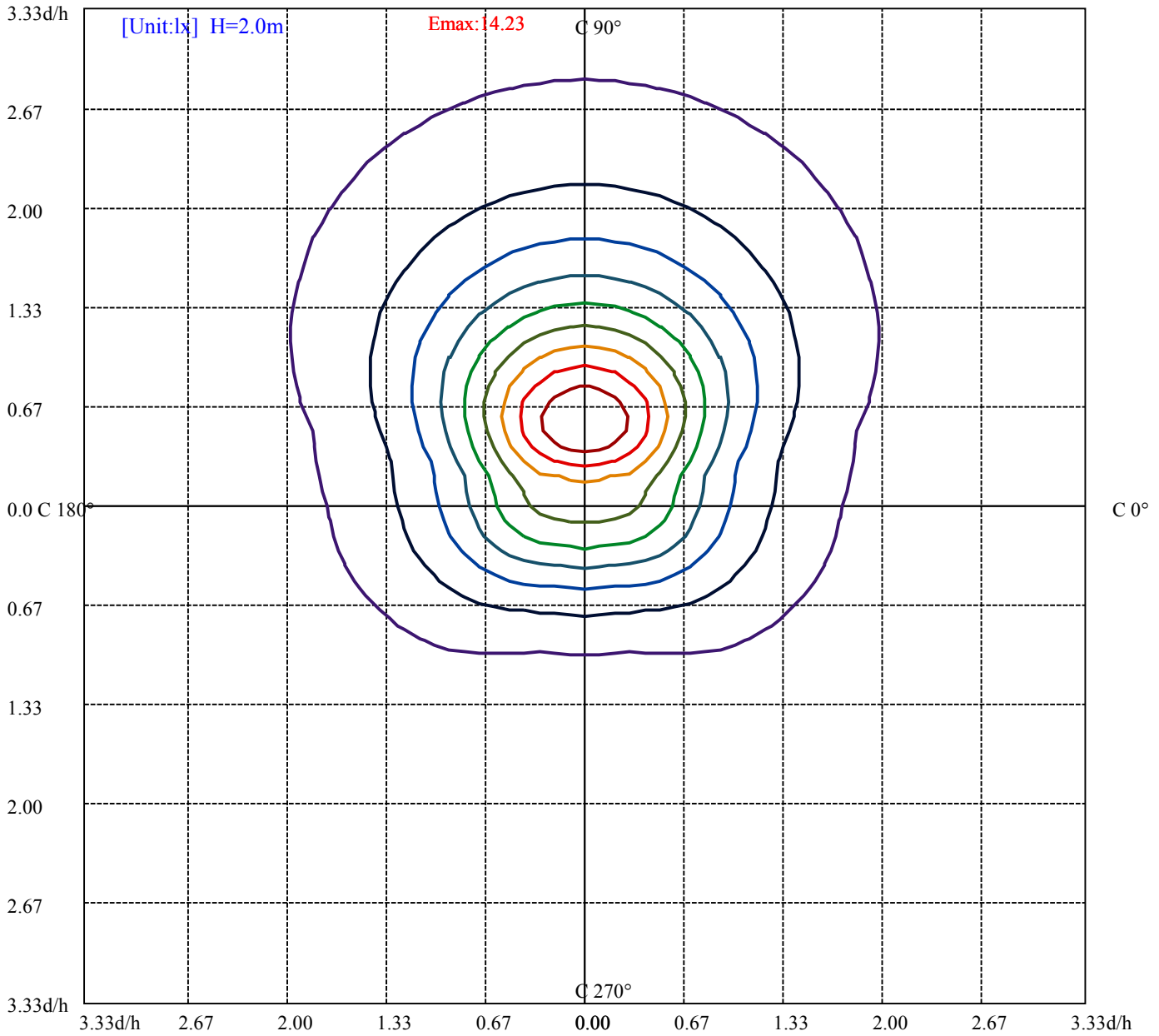
C90(Max): ——
 C0/C180: ——
 C90/C270: ——

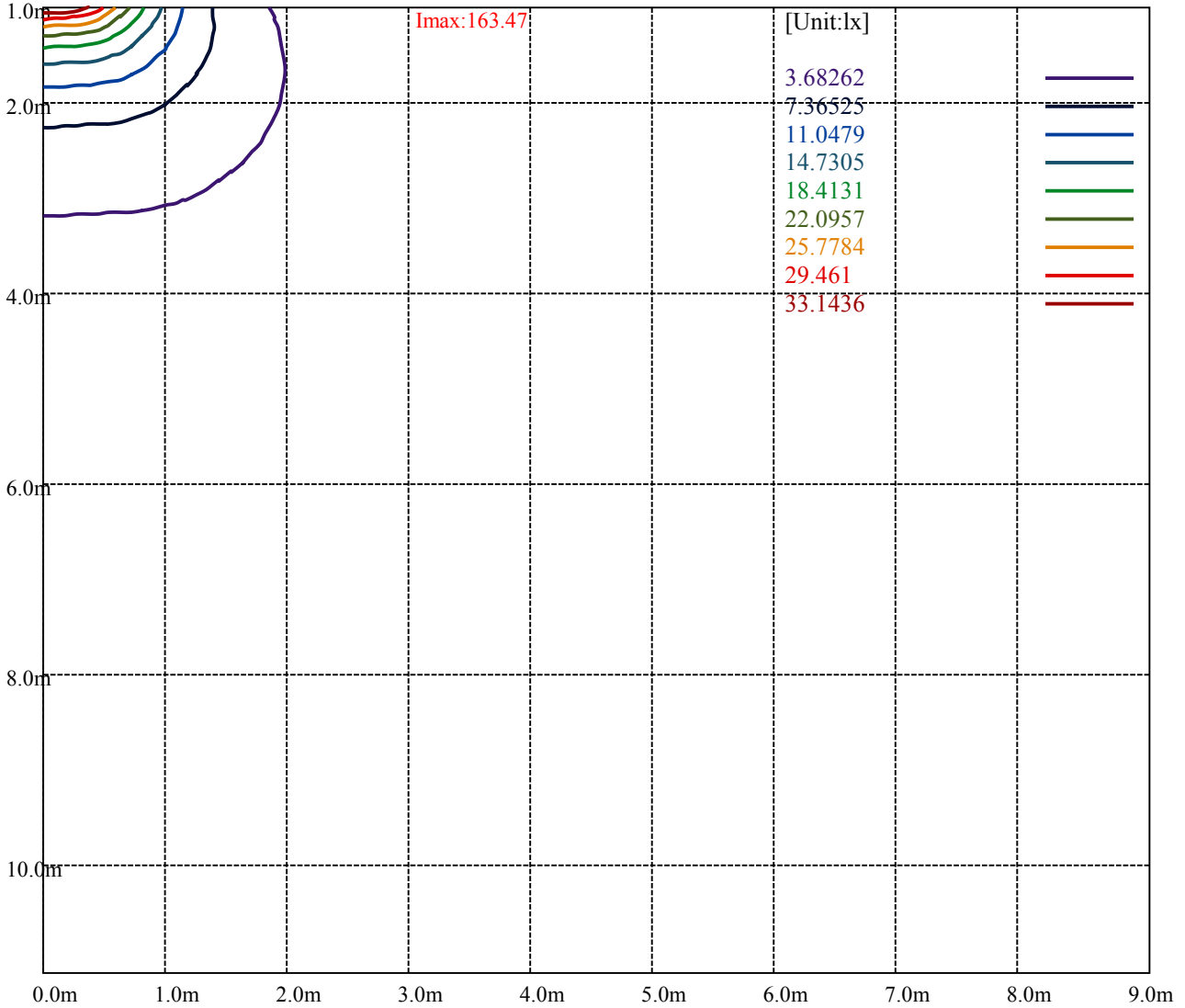
Field angle(10%Imax):C0/180Left:0.0 Right:0.0
 :C90/270Left:149.8 Right:73.3

Beam Angle(50%Imax):C0/180Left:215.2 Right:115.2
 :C90/270Left:77.3 Right:54.6



Max , Ave Beam angle of C90 plane 221.15





Luminance Table

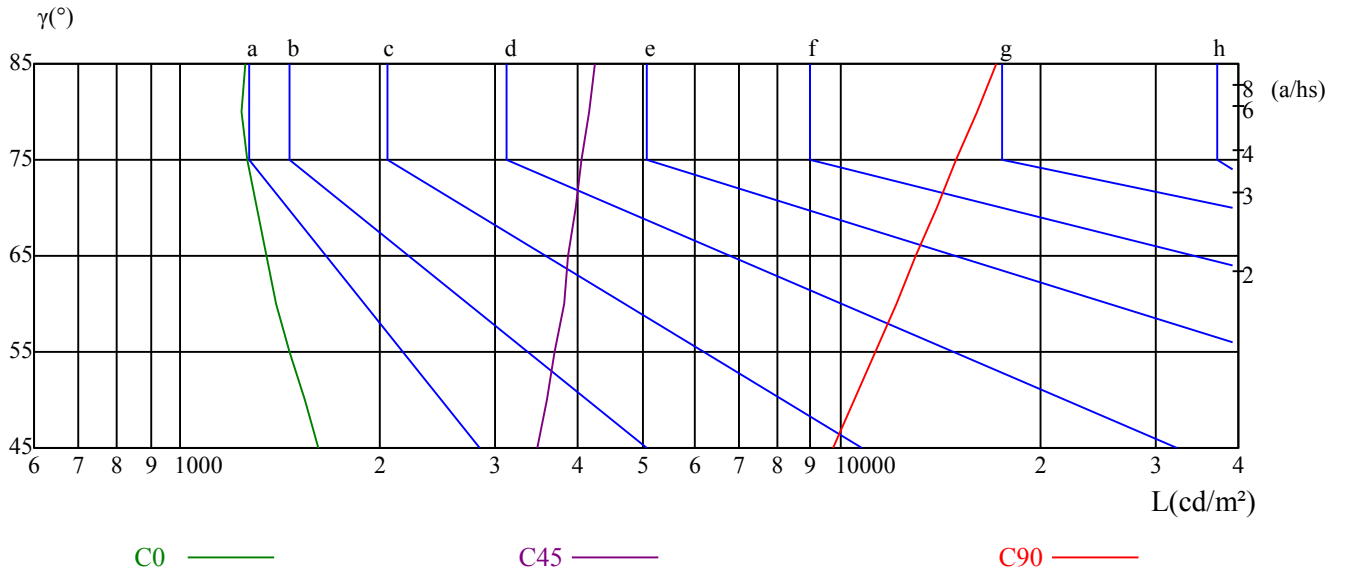
γ	45	50	55	60	65	70	75	80	85
C0	1615	1546	1465	1399	1347	1306	1261	1240	1257
C45	3476	3581	3690	3806	3869	3961	4051	4158	4254
C90	9733	10501	11291	12122	13013	13989	14913	16058	17206

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
11453	20545	18006	17738	34704	30269	51528	105347	92179

Glare Table

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

Luminance Limiting Curve



RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.07	1.07	1.07	0.99	0.99	0.99	0.83	0.83	0.83	0.69	0.69	0.69	0.56	0.56	0.56	0.49
1	0.87	0.81	0.76	0.79	0.74	0.70	0.66	0.62	0.58	0.53	0.50	0.48	0.42	0.39	0.37	0.32
2	0.73	0.65	0.58	0.67	0.60	0.54	0.55	0.49	0.45	0.44	0.40	0.36	0.34	0.31	0.28	0.23
3	0.63	0.54	0.46	0.57	0.49	0.43	0.47	0.41	0.35	0.37	0.33	0.29	0.29	0.25	0.22	0.17
4	0.54	0.45	0.38	0.50	0.41	0.35	0.41	0.34	0.29	0.33	0.27	0.23	0.25	0.21	0.18	0.14
5	0.48	0.39	0.32	0.44	0.35	0.29	0.36	0.29	0.24	0.29	0.23	0.19	0.22	0.18	0.15	0.11
6	0.43	0.33	0.27	0.39	0.31	0.25	0.32	0.25	0.20	0.26	0.20	0.16	0.19	0.15	0.12	0.09
7	0.38	0.29	0.23	0.35	0.27	0.21	0.29	0.22	0.18	0.23	0.18	0.14	0.18	0.14	0.11	0.08
8	0.34	0.26	0.20	0.31	0.24	0.18	0.26	0.20	0.15	0.21	0.16	0.12	0.16	0.12	0.09	0.07
9	0.31	0.23	0.17	0.29	0.21	0.16	0.24	0.18	0.13	0.19	0.14	0.11	0.15	0.11	0.08	0.06
10	0.28	0.21	0.15	0.26	0.19	0.14	0.22	0.16	0.12	0.17	0.13	0.09	0.14	0.10	0.07	0.05

Intensity data(cd)

C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	36.83	36.83	37.72	39.52	41.32	43.11	44.01	44.91	45.81
15.0	36.83	37.72	38.62	40.42	43.11	44.91	47.60	49.40	51.20
30.0	36.83	37.72	38.62	41.32	44.91	50.30	56.59	62.87	68.26
45.0	36.83	37.72	39.52	43.11	51.20	60.18	69.16	78.14	87.13
60.0	36.83	37.72	40.42	46.71	56.59	68.26	79.94	90.72	101.50
75.0	36.83	37.72	41.32	49.40	61.08	73.65	86.23	97.90	108.68
90.0	36.83	37.72	41.32	50.30	61.98	74.55	88.02	99.70	111.38
105.0	36.83	37.72	41.32	48.50	60.18	71.86	83.53	96.11	106.89
120.0	36.83	37.72	40.42	45.81	55.69	65.57	77.25	88.02	97.90
135.0	36.83	37.72	39.52	43.11	49.40	57.48	65.57	73.65	81.74
150.0	36.83	37.72	38.62	41.32	47.60	48.50	52.99	57.48	62.87
165.0	36.83	36.83	38.62	40.42	42.22	44.01	45.81	47.60	48.50
180.0	36.83	36.83	37.72	39.52	41.32	43.11	44.01	44.91	45.81
195.0	36.83	36.83	36.83	38.62	39.52	40.42	41.32	41.32	41.32
210.0	36.83	35.93	35.93	36.83	36.83	36.83	36.83	36.83	35.93
225.0	36.83	35.93	35.03	35.03	34.13	33.23	32.34	30.54	29.64
240.0	36.83	35.93	34.13	33.23	31.44	29.64	27.84	25.15	23.35
255.0	36.83	35.03	34.13	32.34	30.54	27.84	25.15	22.46	18.86
270.0	36.83	35.03	34.13	32.34	30.54	27.84	25.15	22.46	19.76
285.0	36.83	35.03	34.13	32.34	30.54	27.84	25.15	22.46	21.56
300.0	36.83	35.93	34.13	33.23	32.34	29.64	28.74	26.05	24.25
315.0	36.83	35.93	35.03	34.13	34.13	33.23	33.23	32.34	30.54
330.0	36.83	35.93	35.93	35.93	36.83	36.83	37.72	37.72	36.83
345.0	36.83	36.83	36.83	37.72	39.52	40.42	41.32	42.22	42.22
360.0	36.83	36.83	37.72	39.52	41.32	43.11	44.01	44.91	45.81
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	46.71	46.71	45.81	44.91	44.01	43.11	41.32	40.42	40.42
15.0	52.99	54.79	56.59	57.48	58.38	59.28	59.28	59.28	60.18
30.0	73.65	79.04	83.53	87.13	90.72	92.51	94.31	95.21	97.01
45.0	95.21	102.39	108.68	114.97	118.56	122.16	124.85	127.54	128.44
60.0	110.48	119.46	127.54	133.83	140.12	144.61	147.30	149.10	150.90
75.0	119.46	128.44	137.42	143.71	150.90	154.49	158.98	160.78	161.68
90.0	122.16	131.14	139.22	146.41	152.69	158.08	160.78	163.47	163.47
105.0	117.66	126.65	134.73	141.92	147.30	152.69	156.29	158.08	158.98
120.0	106.89	114.97	122.16	128.44	133.83	138.32	141.02	143.71	144.61
135.0	88.92	95.21	101.50	106.89	110.48	114.07	116.77	118.56	119.46
150.0	66.47	70.96	74.55	77.25	79.94	82.63	83.53	84.43	86.23
165.0	49.40	50.30	50.30	50.30	50.30	50.30	49.40	49.40	50.30
180.0	45.81	45.81	44.91	44.01	43.11	42.22	41.32	40.42	40.42
195.0	41.32	41.32	40.42	39.52	37.72	36.83	35.93	35.93	35.93
210.0	35.03	34.13	33.23	31.44	30.54	28.74	28.74	28.74	28.74
225.0	27.84	26.95	25.15	23.35	21.56	19.76	18.86	19.76	19.76
240.0	20.66	17.96	16.17	13.47	10.78	8.98	8.98	8.98	9.88
255.0	16.17	13.47	9.88	6.29	3.59	1.80	0.90	0.90	1.80
270.0	16.17	13.47	9.88	8.98	3.59	1.80	0.90	1.80	1.80
285.0	16.17	13.47	10.78	7.19	4.49	1.80	1.80	1.80	1.80
300.0	22.46	19.76	17.96	15.27	13.47	11.68	10.78	11.68	11.68
315.0	29.64	28.74	26.95	25.15	23.35	22.46	21.56	21.56	21.56
330.0	36.83	35.93	35.03	33.23	32.34	31.44	29.64	29.64	30.54
345.0	42.22	42.22	41.32	40.42	39.52	37.72	36.83	35.93	35.93
360.0	46.71	46.71	45.81	44.91	44.01	43.11	41.32	40.42	40.42

Intensity data(cd)									
C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	40.42	40.42	41.32	42.22	43.11	44.01	44.01	44.91	44.01
15.0	61.98	61.98	62.87	63.77	64.67	64.67	64.67	63.77	62.87
30.0	97.90	98.80	98.80	98.80	98.80	97.90	96.11	93.41	90.72
45.0	128.44	130.24	129.34	129.34	127.54	126.65	123.05	119.46	114.07
60.0	150.90	151.80	151.80	150.90	149.10	146.41	142.81	137.42	131.14
75.0	162.57	161.68	162.57	160.78	159.88	157.19	152.69	147.30	141.02
90.0	163.47	163.47	163.47	163.47	161.68	158.98	155.39	150.00	143.71
105.0	159.88	159.88	158.98	158.98	157.19	154.49	150.90	145.51	139.22
120.0	145.51	145.51	145.51	145.51	143.71	141.02	137.42	132.93	126.65
135.0	121.26	121.26	121.26	121.26	120.36	118.56	115.87	112.28	107.78
150.0	87.13	88.02	88.92	88.92	88.92	88.92	87.13	85.33	81.74
165.0	51.20	52.10	52.99	53.89	54.79	55.69	55.69	55.69	54.79
180.0	40.42	40.42	41.32	42.22	43.11	43.11	44.01	43.11	43.11
195.0	35.93	35.93	36.83	36.83	37.72	38.62	38.62	38.62	37.72
210.0	28.74	28.74	29.64	29.64	30.54	30.54	30.54	30.54	30.54
225.0	19.76	19.76	19.76	20.66	20.66	21.56	21.56	22.46	22.46
240.0	9.88	9.88	8.98	9.88	10.78	12.57	13.47	14.37	16.17
255.0	1.80	1.80	0.90	2.69	4.49	5.39	7.19	8.98	11.68
270.0	1.80	0.90	0.90	1.80	3.59	5.39	7.19	8.98	10.78
285.0	1.80	2.69	2.69	2.69	4.49	6.29	7.19	8.98	10.78
300.0	11.68	11.68	11.68	12.57	13.47	15.27	16.17	17.07	17.07
315.0	21.56	21.56	22.46	22.46	23.35	24.25	24.25	25.15	25.15
330.0	30.54	30.54	30.54	31.44	32.34	32.34	32.34	32.34	32.34
345.0	36.83	36.83	36.83	37.72	38.62	39.52	39.52	39.52	39.52
360.0	40.42	40.42	41.32	42.22	43.11	44.01	44.01	44.91	44.01
C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	43.11	42.22	40.42	38.62	34.13	30.54	25.15	18.86	12.57
15.0	61.08	58.38	54.79	51.20	45.81	39.52	32.34	24.25	13.47
30.0	86.23	80.84	75.45	68.26	61.98	52.99	43.11	32.34	17.07
45.0	108.68	101.50	92.51	83.53	75.45	64.67	52.10	38.62	22.46
60.0	123.95	115.87	105.99	95.21	84.43	71.86	60.18	44.91	26.05
75.0	132.93	123.95	113.17	102.39	90.72	77.25	63.77	48.50	29.64
90.0	135.63	127.54	115.87	105.09	92.51	80.84	65.57	50.30	30.54
105.0	131.14	122.16	111.38	100.60	89.82	77.25	63.77	48.50	30.54
120.0	119.46	111.38	103.29	92.51	81.74	70.06	57.48	44.91	27.84
135.0	101.50	95.21	88.02	79.04	70.06	61.08	50.30	37.72	25.15
150.0	78.14	73.65	68.26	62.87	56.59	48.50	40.42	29.64	21.56
165.0	52.99	51.20	48.50	45.81	41.32	35.93	29.64	22.46	16.17
180.0	42.22	40.42	38.62	35.93	31.44	27.84	21.56	15.27	10.78
195.0	36.83	35.93	35.03	31.44	29.64	27.84	18.86	12.57	9.88
210.0	29.64	29.64	26.95	26.05	24.25	19.76	15.27	11.68	8.08
225.0	22.46	22.46	21.56	19.76	17.96	15.27	11.68	9.88	6.29
240.0	16.17	17.07	17.07	16.17	14.37	10.78	9.88	7.19	1.80
255.0	12.57	14.37	15.27	16.17	14.37	10.78	8.08	7.19	2.69
270.0	11.68	13.47	14.37	15.27	14.37	10.78	8.08	6.29	5.39
285.0	11.68	12.57	13.47	13.47	12.57	10.78	8.98	7.19	7.19
300.0	17.96	17.96	17.96	17.96	16.17	13.47	11.68	9.88	8.08
315.0	24.25	24.25	23.35	22.46	20.66	18.86	15.27	11.68	9.88
330.0	31.44	31.44	30.54	28.74	26.95	23.35	18.86	13.47	9.88
345.0	38.62	37.72	35.93	34.13	30.54	27.84	21.56	15.27	11.68
360.0	43.11	42.22	40.42	38.62	34.13	30.54	25.15	18.86	12.57

Intensity data(cd)

C/ γ (°)	180.0
0.0	9.88
15.0	8.08
30.0	7.19
45.0	7.19
60.0	7.19
75.0	7.19
90.0	8.98
105.0	10.78
120.0	12.57
135.0	13.47
150.0	12.57
165.0	11.68
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	9.88