
AFX

Client:

LumCAT: AUGW0808LAJMVBP

Luminaire: LED灯具

Report No:

Ballast type:

Test No:

Voltage(V): 120.020

LampCAT:

Current(A): 0.085

Lamp flux(lm): 760.7

Power (W): 9.960

Number of Lamps: 1

PF: 0.981

Length(mm): 180

Width(mm): 55

Phm Type: C

Height(mm): 180

Photometric Results

Lumens(lm): 760.72, Efficiency(%): 100.00% , Luminous Efficacy(lm/W): 76.38

Central intensity(cd): 37.724, Maximum intensity(cd): 167.964

Angle of maximum intensity: C=90.0 γ =90.0

Beam Angle(50%Imax): [C0/180]Total=322.8

[C90/270]Total=185.1

Field angle(10%Imax): [C0/180]Total=358.0

[C90/270]Total=222.9

Maximum s/h(1/2): C0_180=1.79 C90_270=120.00

Maximum s/h(1/4): C0_180=1.93 C90_270=3.38

Up flux rate of lamp(%): 49.38%

Down flux rate of lamp(%): 50.62%

Up flux rate of LUM(%): 49.38%

Down flux rate of LUM(%): 50.62%

CIE Type : General diffuse lighting

Output flux ratio in π solid angle : 22.660%

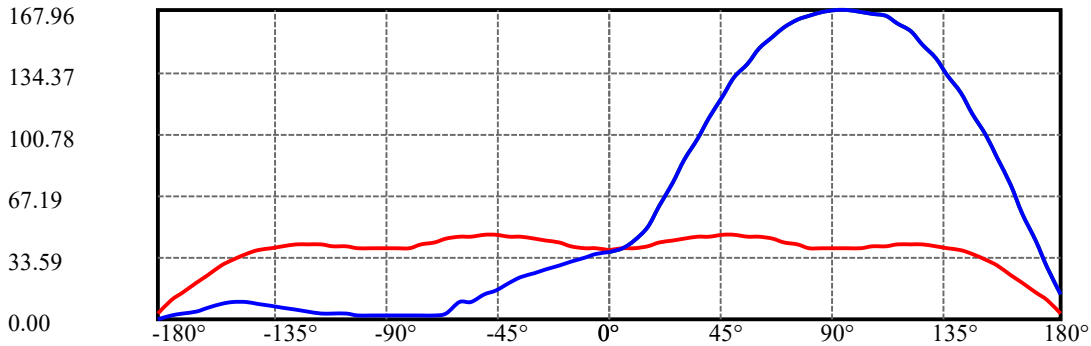
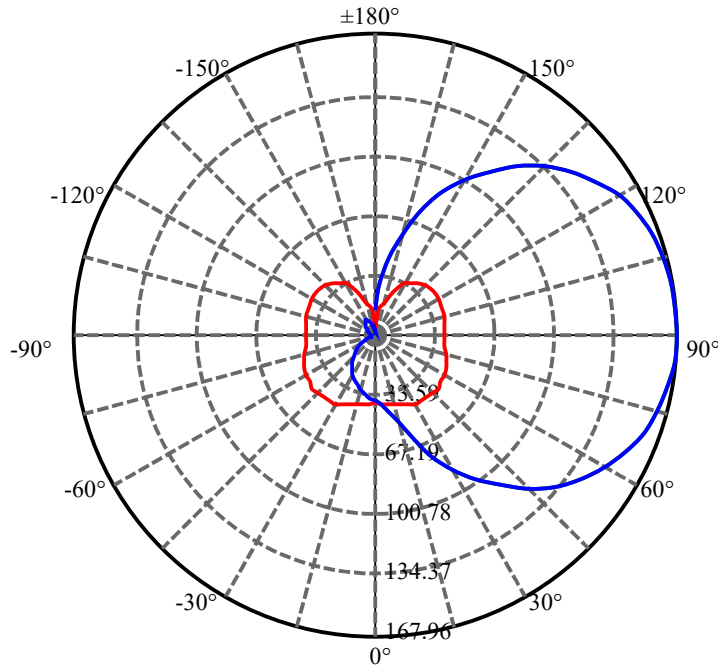
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	37.500	0.000	0	0.00%	0.00%
5.0	37.388	0.895	0.895	0.12%	0.12%
10.0	38.436	2.712	3.608	0.36%	0.47%
15.0	40.045	4.655	8.263	0.61%	1.09%
20.0	42.889	6.835	15.098	0.90%	1.98%
25.0	46.220	9.346	24.444	1.23%	3.21%
30.0	49.626	12.129	36.573	1.59%	4.81%
35.0	53.069	15.122	51.696	1.99%	6.80%
40.0	56.212	18.233	69.928	2.40%	9.19%
45.0	59.019	21.336	91.264	2.80%	12.00%
50.0	61.377	24.328	115.592	3.20%	15.20%
55.0	63.361	27.122	142.714	3.57%	18.76%
60.0	64.970	29.663	172.378	3.90%	22.66%
65.0	66.055	31.852	204.23	4.19%	26.85%
70.0	66.953	33.679	237.909	4.43%	31.27%
75.0	67.852	35.236	273.145	4.63%	35.91%
80.0	68.600	36.511	309.655	4.80%	40.71%
85.0	69.236	37.453	347.109	4.92%	45.63%
90.0	69.498	37.987	385.095	4.99%	50.62%
95.0	69.685	38.110	423.205	5.01%	55.63%
100.0	69.573	37.840	461.045	4.97%	60.61%
105.0	69.461	37.202	498.246	4.89%	65.50%
110.0	68.787	36.136	534.382	4.75%	70.25%
115.0	67.627	34.541	568.923	4.54%	74.79%
120.0	65.980	32.480	601.403	4.27%	79.06%
125.0	63.585	29.949	631.352	3.94%	82.99%
130.0	60.703	27.024	658.377	3.55%	86.55%
135.0	57.410	23.867	682.243	3.14%	89.68%
140.0	53.705	20.574	702.817	2.70%	92.39%
145.0	49.289	17.184	720.001	2.26%	94.65%
150.0	44.386	13.794	733.795	1.81%	96.46%
155.0	38.997	10.552	744.347	1.39%	97.85%
160.0	32.522	7.501	751.848	0.99%	98.83%
165.0	26.010	4.824	756.672	0.63%	99.47%
170.0	19.424	2.695	759.367	0.35%	99.82%
175.0	12.612	1.146	760.513	0.15%	99.97%
180.0	5.052	0.211	760.724	0.03%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	36.57	4.81%	4.81%
0-40	69.93	9.19%	9.19%
0-60	172.38	22.66%	22.66%
0-90	385.10	50.62%	50.62%
0-120	601.40	79.06%	79.06%
0-180	760.72	100.00%	100.00%
60-90	212.72	27.96%	27.96%
90-120	216.31	28.43%	28.43%
90-130	273.28	35.92%	35.92%
90-150	348.70	45.84%	45.84%
90-180	375.42	49.35%	49.35%
0-121.20	608.58	80.00%	80.00%

ZONAL LUMEN SUMMARY

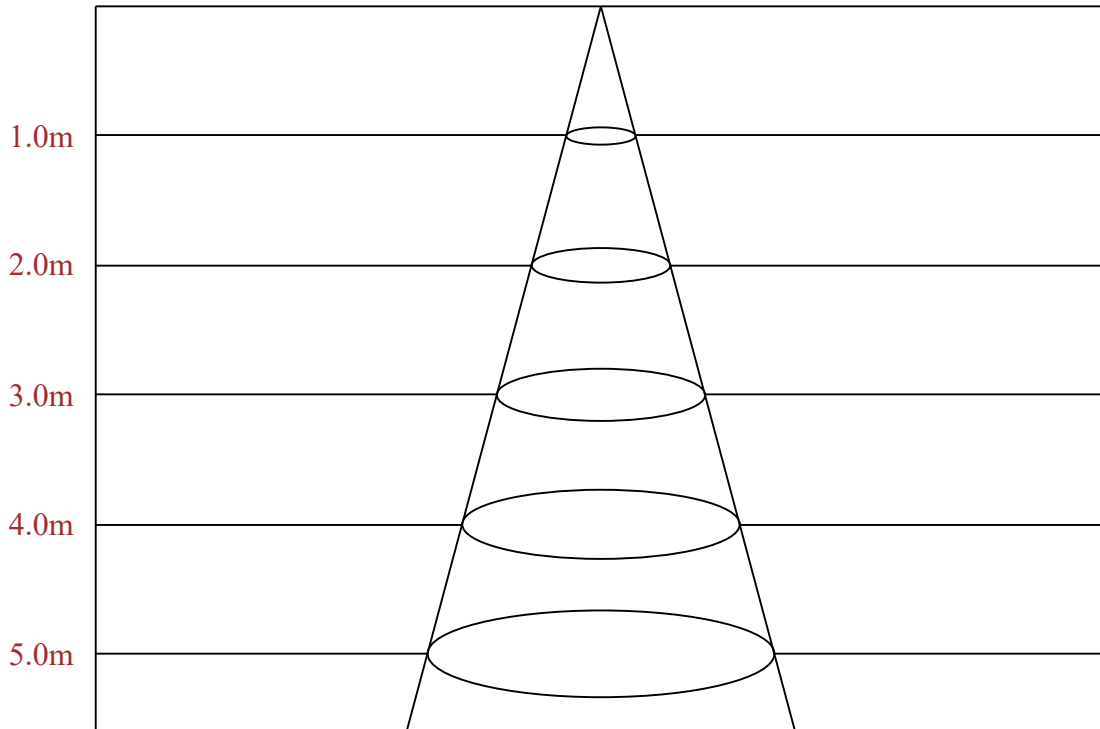
0-10	3.61
10-20	11.49
20-30	21.48
30-40	33.36
40-50	45.66
50-60	56.79
60-70	65.53
70-80	71.75
80-90	75.44
90-100	75.95
100-110	73.34
110-120	67.02
120-130	56.97
130-140	44.44
140-150	30.98
150-160	18.05
160-170	7.52
170-180	1.15



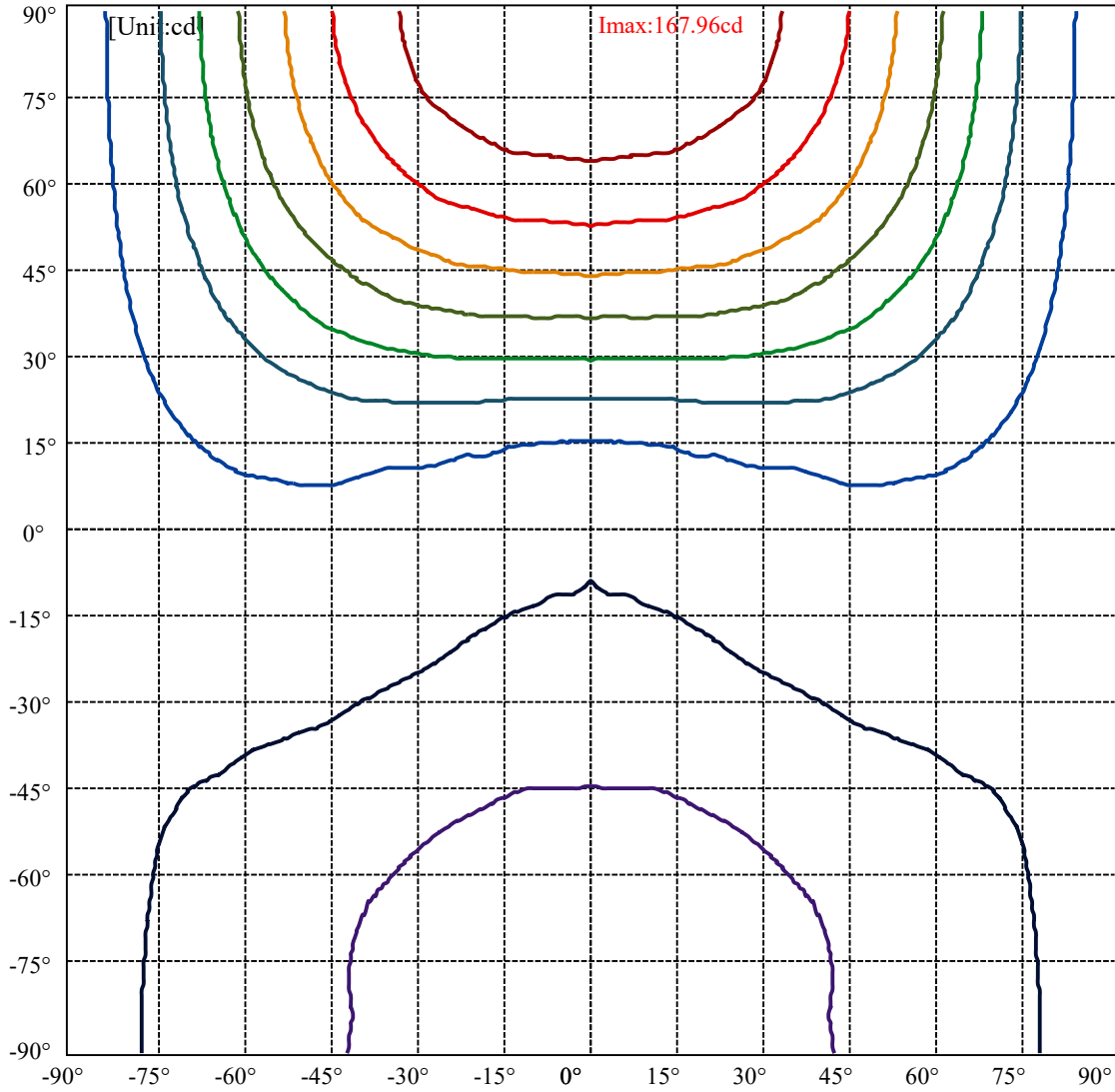
C90(Max): ——
 C0/C180: ——
 C90/C270: ——

Field angle(10%Imax):C0/180Left:179.0 Right:179.0
 :C90/270Left:44.1 Right:178.8

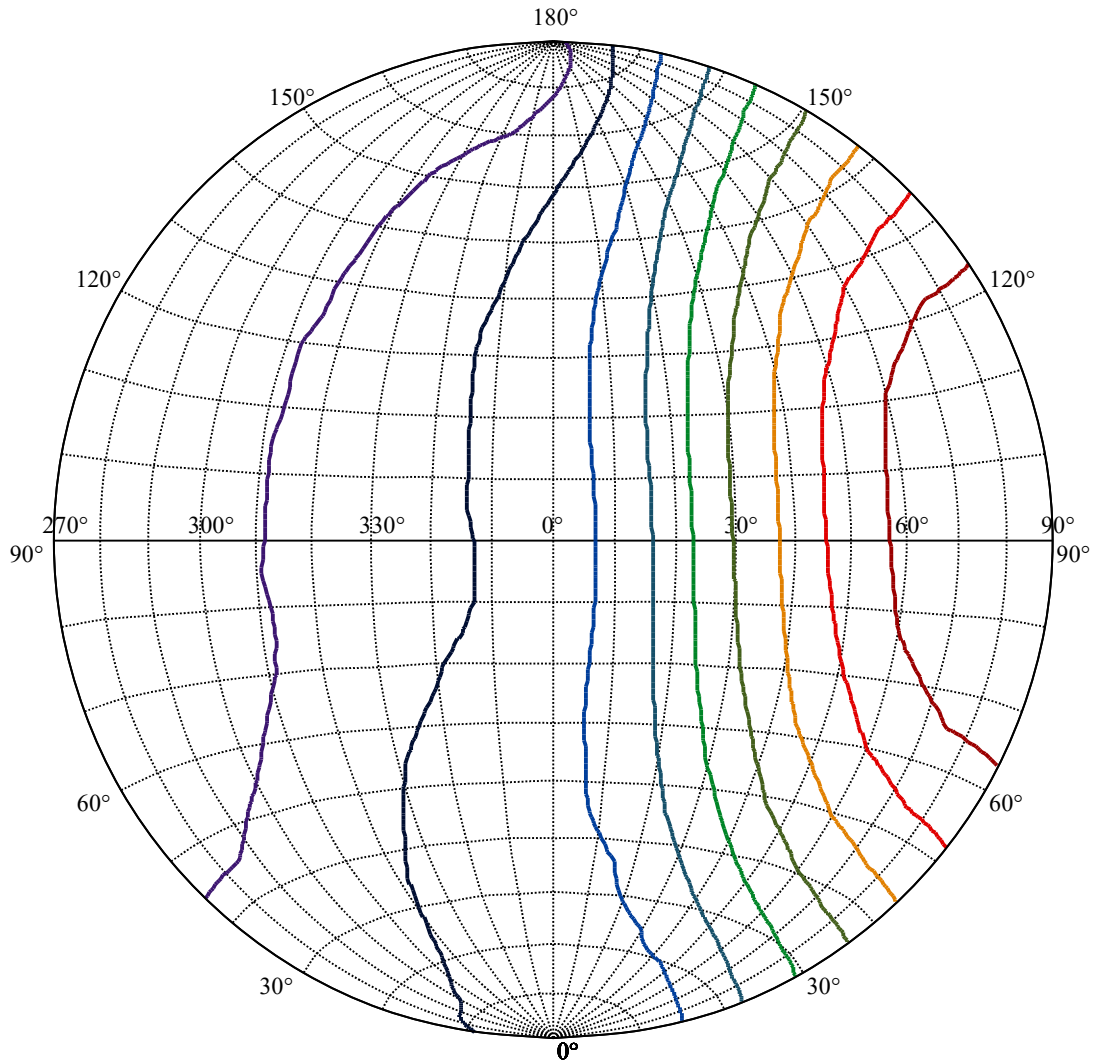
Beam Angle(50%Imax):C0/180Left:161.4 Right:161.4
 :C90/270Left:29.0 Right:156.1



Max , Ave Beam angle of C90 plane 221.72



(10%I _{max}) 16.7964	—
(20%I _{max}) 33.5927	—
(30%I _{max}) 50.3891	—
(40%I _{max}) 67.1854	—
(50%I _{max}) 83.9818	—
(60%I _{max}) 100.778	—
(70%I _{max}) 117.574	—
(80%I _{max}) 134.371	—
(90%I _{max}) 151.167	—



House

[Unit:cd]

Road

Imax:167.96

(10%Imax) 16.7964

(20%Imax) 33.5927

(30%Imax) 50.3891

(40%Imax) 67.1854

(50%Imax) 83.9818

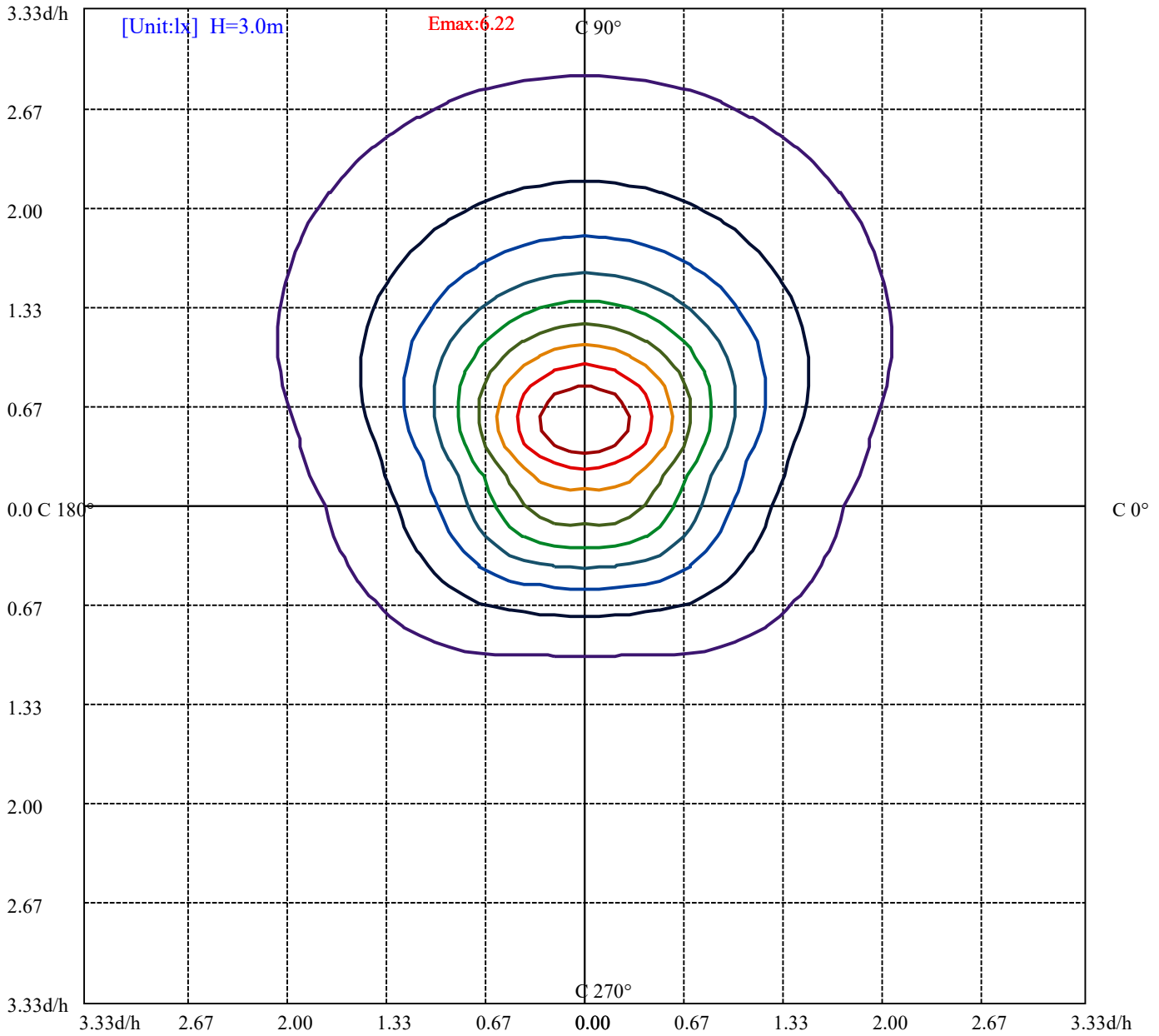
(60%Imax) 100.778

(70%Imax) 117.574

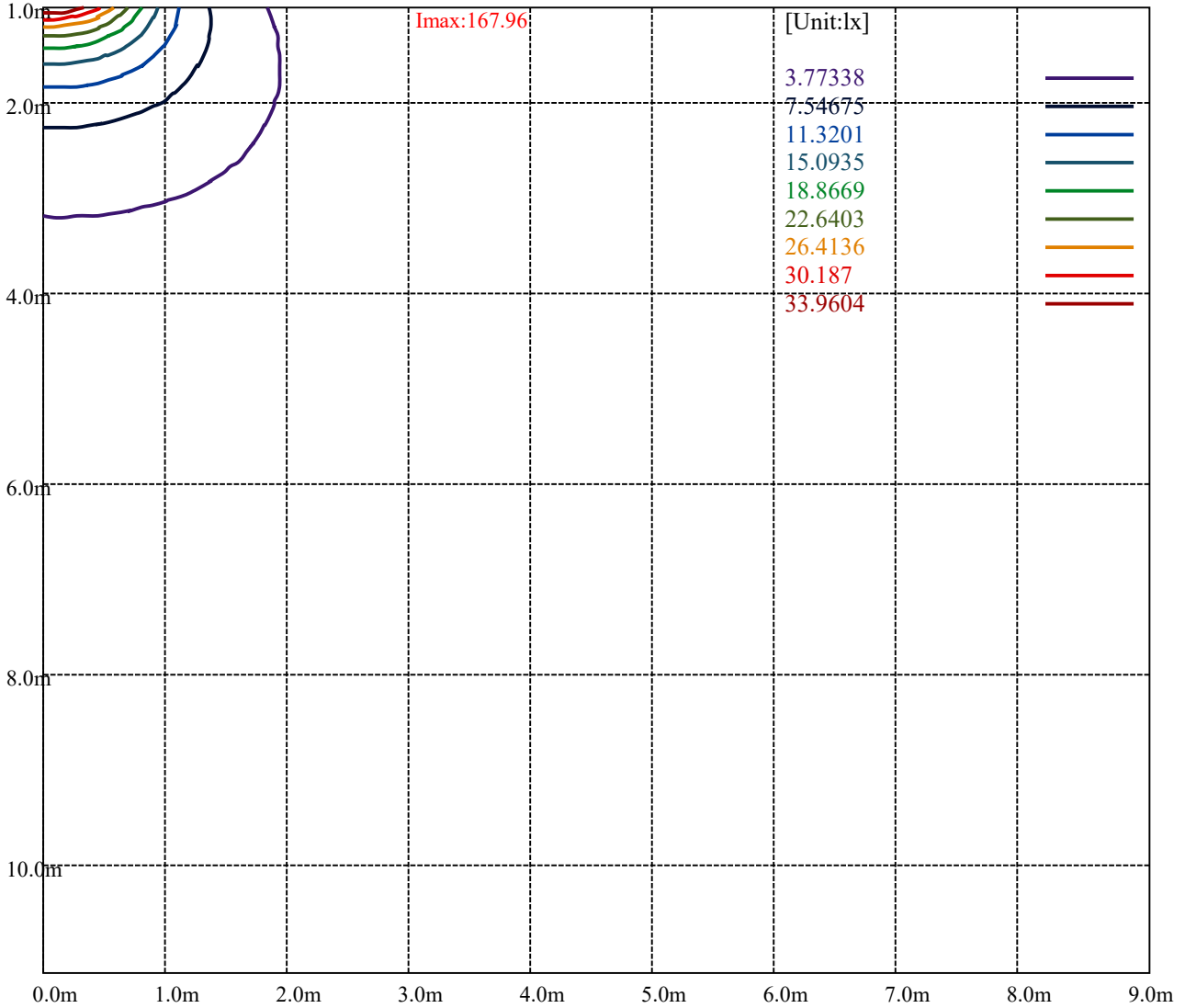
(80%Imax) 134.371

(90%Imax) 151.167





- (10%Emax) 0.6217678
- (20%Emax) 1.243533
- (30%Emax) 1.8653
- (40%Emax) 2.487067
- (50%Emax) 3.108833
- (60%Emax) 3.7306
- (70%Emax) 4.352377
- (80%Emax) 4.974144
- (90%Emax) 5.595911



Luminance Table

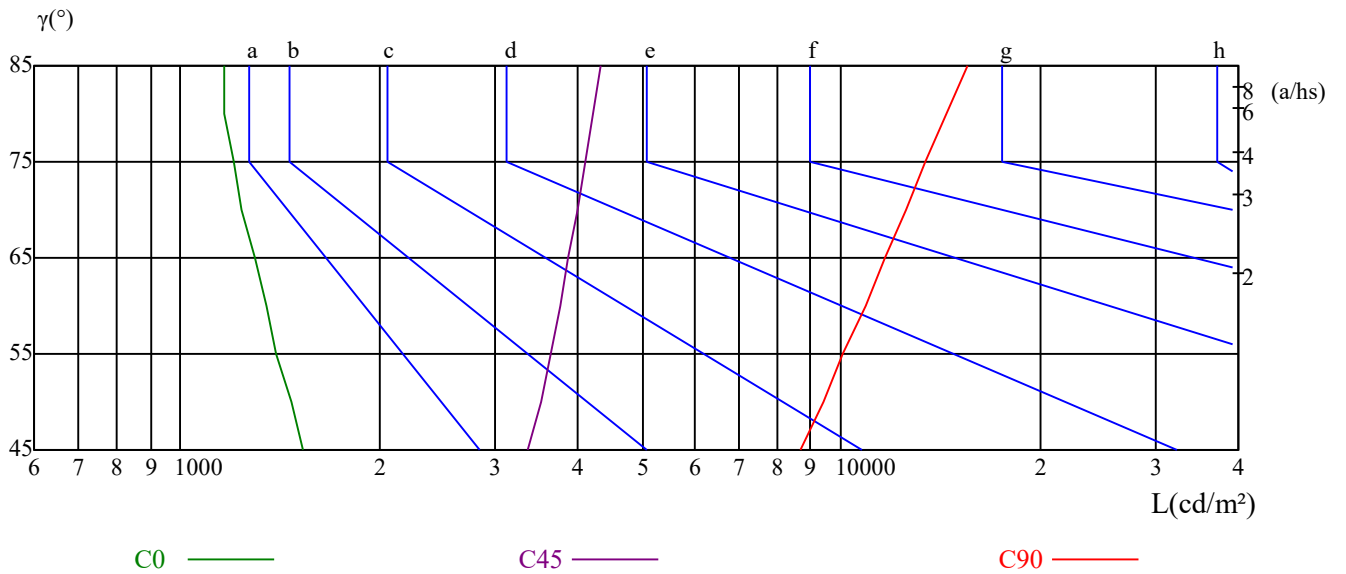
γ	45	50	55	60	65	70	75	80	85
C0	1532	1469	1394	1347	1299	1235	1207	1162	1165
C45	3366	3513	3631	3755	3875	3993	4098	4206	4336
C90	8661	9402	10097	10892	11674	12529	13408	14410	15577

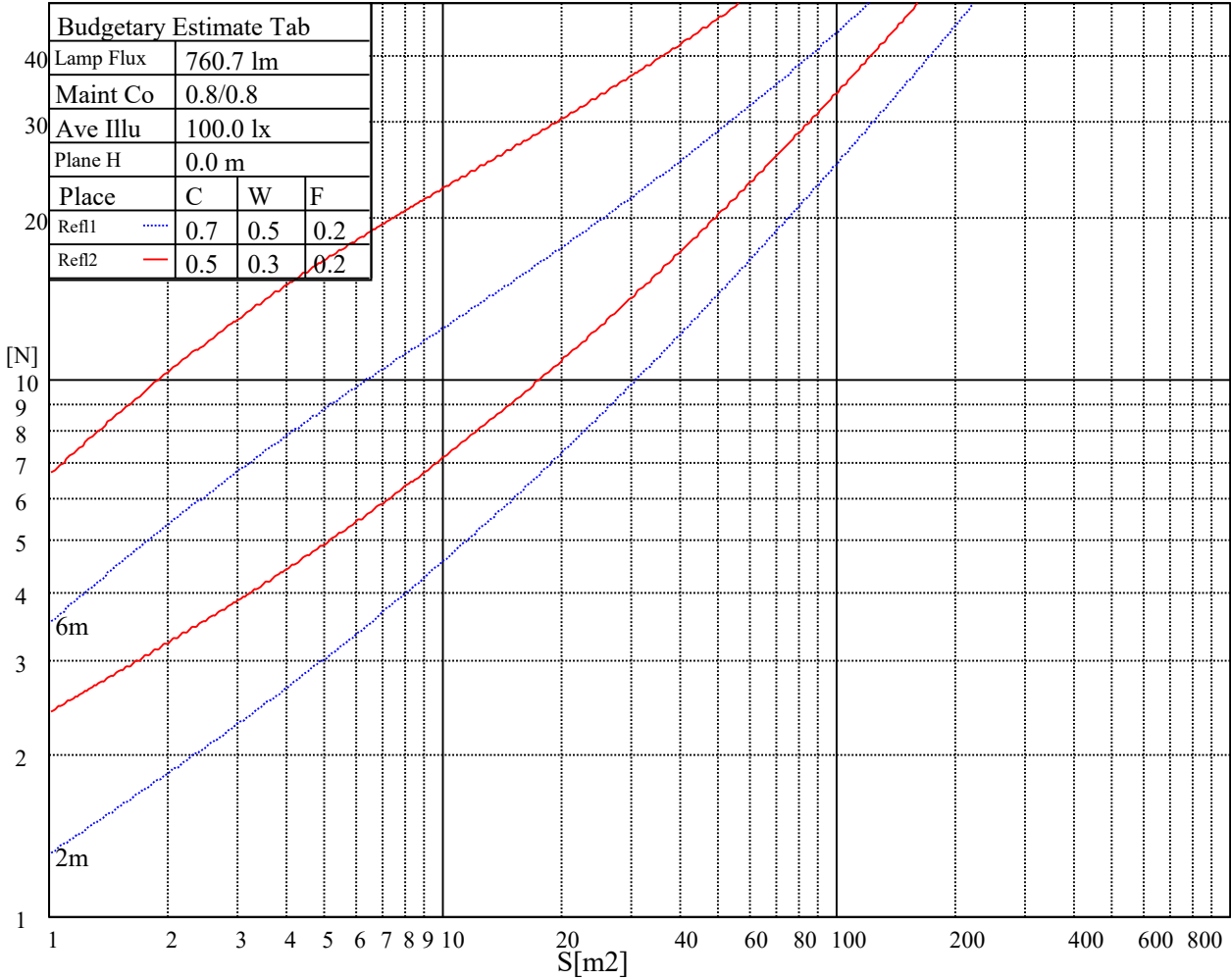
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
10412	18784	17013	15950	32075	28745	44762	97852	88223

Glare Table

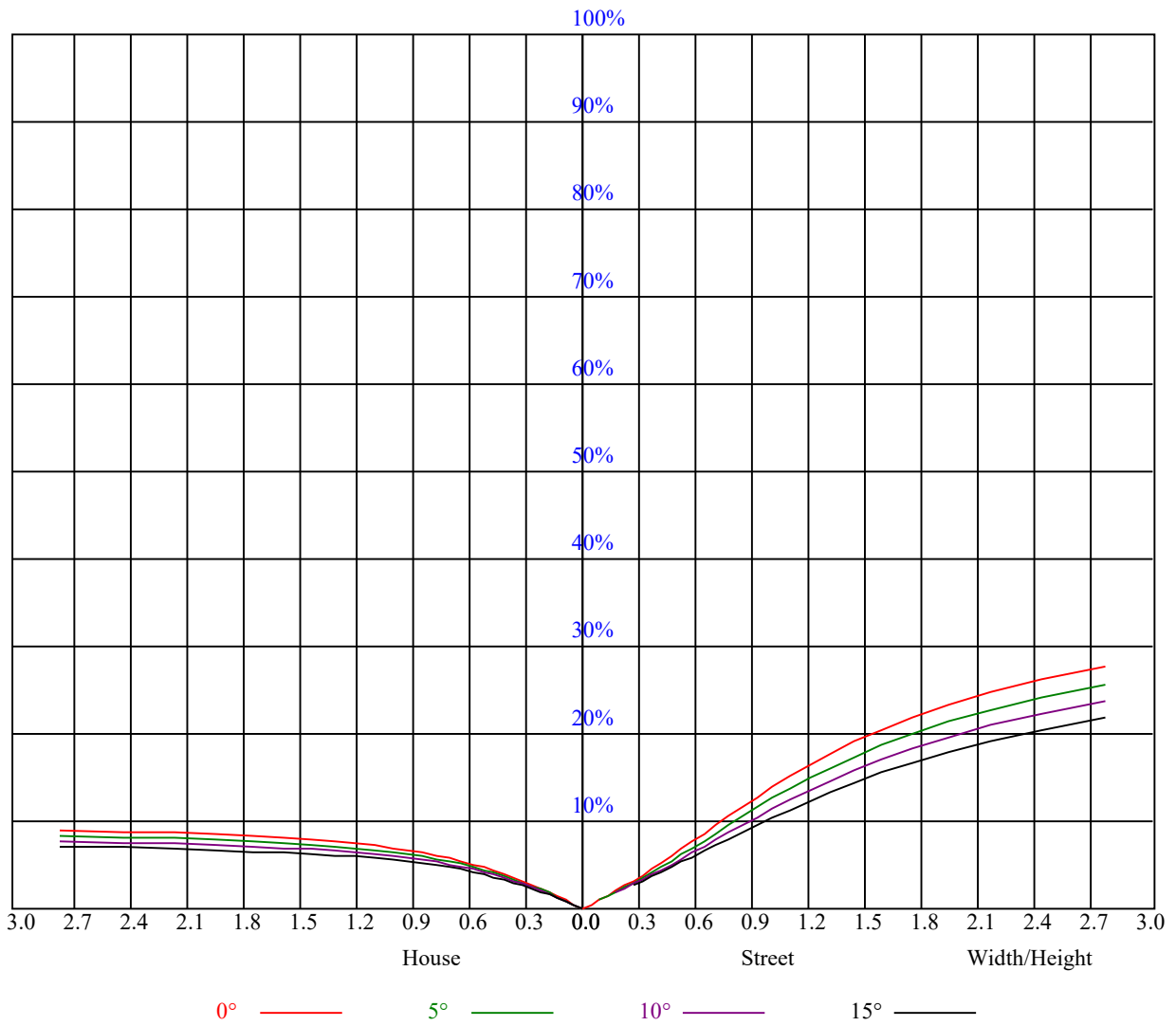
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

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	0.84	0.84	0.84	0.70	0.70	0.70	0.57	0.57	0.57	0.51
1	0.86	0.81	0.76	0.79	0.74	0.70	0.66	0.62	0.58	0.54	0.51	0.48	0.42	0.40	0.38	0.32
2	0.73	0.65	0.58	0.67	0.59	0.53	0.55	0.49	0.45	0.44	0.40	0.36	0.34	0.31	0.28	0.23
3	0.62	0.53	0.46	0.57	0.49	0.42	0.47	0.41	0.35	0.38	0.33	0.29	0.29	0.25	0.22	0.18
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	0.38	0.31	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	0.42	0.33	0.26	0.39	0.30	0.24	0.32	0.25	0.20	0.26	0.20	0.16	0.20	0.16	0.12	0.09
7	0.38	0.29	0.23	0.35	0.27	0.21	0.29	0.22	0.17	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	0.28	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	0.20	0.15	0.26	0.19	0.14	0.22	0.16	0.12	0.18	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	37.72	37.72	38.62	39.52	40.42	42.22	43.11	44.01	44.91
15.0	37.72	38.62	39.52	40.42	43.11	45.81	47.60	49.40	51.20
30.0	37.72	38.62	40.42	43.11	45.81	50.30	55.69	61.98	67.37
45.0	37.72	38.62	41.32	44.91	50.30	58.38	67.37	76.35	84.43
60.0	36.83	38.62	42.22	46.71	54.79	65.57	77.25	88.02	98.80
75.0	36.83	38.62	43.11	49.40	59.28	71.86	83.53	96.11	105.99
90.0	36.83	38.62	43.11	50.30	61.08	74.55	86.23	97.90	109.58
105.0	36.83	38.62	43.11	49.40	60.18	72.75	84.43	96.11	108.68
120.0	37.72	38.62	43.11	47.60	56.59	67.37	78.14	89.82	100.60
135.0	38.62	38.62	41.32	44.91	51.20	60.18	69.16	79.04	88.02
150.0	37.72	38.62	40.42	43.11	50.30	51.20	57.48	63.77	70.06
165.0	37.72	37.72	39.52	40.42	43.11	45.81	48.50	50.30	52.99
180.0	37.72	38.62	39.52	40.42	42.22	43.11	44.91	45.81	45.81
195.0	37.72	37.72	37.72	38.62	39.52	40.42	41.32	41.32	41.32
210.0	37.72	36.83	36.83	36.83	36.83	36.83	36.83	36.83	35.93
225.0	37.72	35.93	35.03	35.03	34.13	33.23	32.34	31.44	30.54
240.0	36.83	35.93	34.13	33.23	31.44	29.64	27.84	26.05	24.25
255.0	36.83	35.03	34.13	32.34	30.54	27.84	25.15	22.46	19.76
270.0	36.83	35.03	33.23	31.44	29.64	26.95	25.15	22.46	19.76
285.0	36.83	35.03	34.13	32.34	29.64	27.84	25.15	22.46	21.56
300.0	37.72	35.93	34.13	33.23	31.44	29.64	26.95	25.15	23.35
315.0	38.62	35.93	35.03	34.13	33.23	32.34	31.44	30.54	28.74
330.0	37.72	36.83	35.93	35.93	35.93	35.93	35.93	35.93	35.03
345.0	37.72	36.83	36.83	37.72	38.62	39.52	39.52	40.42	40.42
360.0	37.72	37.72	38.62	39.52	40.42	42.22	43.11	44.01	44.91
C/ γ (°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	45.81	45.81	44.91	44.91	44.01	42.22	41.32	39.52	38.62
15.0	53.89	55.69	57.48	59.28	60.18	61.08	61.08	61.98	61.98
30.0	73.65	78.14	83.53	87.13	90.72	94.31	96.11	97.90	98.80
45.0	93.41	100.60	107.78	114.07	119.46	123.95	126.65	129.34	131.14
60.0	108.68	117.66	125.75	132.93	139.22	144.61	148.20	150.90	152.69
75.0	116.77	126.65	135.63	143.71	150.00	156.29	159.88	163.47	164.37
90.0	121.26	131.14	139.22	147.30	153.59	158.98	162.57	165.27	167.07
105.0	118.56	128.44	137.42	144.61	151.80	157.19	161.68	164.37	166.17
120.0	111.38	119.46	129.34	135.63	141.92	147.30	151.80	154.49	156.29
135.0	96.11	105.09	111.38	117.66	123.05	127.54	131.14	132.93	134.73
150.0	76.35	81.74	87.13	90.72	95.21	97.90	100.60	102.39	103.29
165.0	55.69	57.48	59.28	61.98	62.87	64.67	64.67	65.57	65.57
180.0	45.81	45.81	44.91	44.01	43.11	41.32	40.42	38.62	38.62
195.0	40.42	40.42	39.52	38.62	36.83	35.93	34.13	33.23	33.23
210.0	35.03	34.13	33.23	31.44	29.64	27.84	26.95	26.95	26.95
225.0	28.74	26.95	25.15	23.35	21.56	19.76	18.86	18.86	19.76
240.0	21.56	19.76	17.07	14.37	12.57	9.88	9.88	9.88	10.78
255.0	17.07	13.47	9.88	7.19	4.49	1.80	1.80	1.80	1.80
270.0	16.17	13.47	9.88	8.98	3.59	1.80	1.80	1.80	1.80
285.0	17.07	13.47	10.78	7.19	4.49	1.80	1.80	1.80	1.80
300.0	20.66	18.86	16.17	13.47	10.78	8.98	8.98	8.98	8.98
315.0	27.84	26.05	24.25	22.46	20.66	18.86	17.96	17.96	18.86
330.0	34.13	33.23	32.34	30.54	29.64	27.84	26.95	26.05	26.05
345.0	40.42	39.52	38.62	37.72	35.93	35.03	33.23	32.34	32.34
360.0	45.81	45.81	44.91	44.91	44.01	42.22	41.32	39.52	38.62

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	38.62	38.62	38.62	40.42	41.32	42.22	43.11	43.11	43.11
15.0	61.98	62.87	62.87	63.77	63.77	63.77	62.87	61.08	59.28
30.0	99.70	100.60	100.60	99.70	98.80	97.01	94.31	91.62	87.13
45.0	131.14	132.04	131.14	131.14	129.34	126.65	122.16	117.66	111.38
60.0	153.59	154.49	153.59	152.69	150.00	147.30	142.81	136.53	129.34
75.0	165.27	165.27	165.27	164.37	161.68	158.08	153.59	146.41	138.32
90.0	167.96	167.96	167.07	166.17	164.37	160.78	156.29	149.10	141.92
105.0	166.17	166.17	166.17	165.27	163.47	159.88	154.49	147.30	139.22
120.0	157.19	157.19	157.19	155.39	153.59	150.00	144.61	138.32	131.14
135.0	135.63	135.63	135.63	134.73	132.93	130.24	124.85	119.46	112.28
150.0	104.19	104.19	104.19	104.19	102.39	99.70	96.11	92.51	87.13
165.0	66.47	66.47	66.47	67.37	66.47	64.67	62.87	60.18	57.48
180.0	38.62	38.62	39.52	38.62	38.62	38.62	38.62	37.72	36.83
195.0	33.23	33.23	32.34	32.34	31.44	30.54	30.54	29.64	27.84
210.0	26.95	26.95	26.05	25.15	24.25	22.46	21.56	20.66	18.86
225.0	18.86	18.86	18.86	17.96	16.17	15.27	15.27	12.57	11.68
240.0	9.88	9.88	9.88	8.98	8.98	8.08	7.19	6.29	5.39
255.0	1.80	1.80	1.80	1.80	2.69	2.69	3.59	4.49	5.39
270.0	1.80	1.80	1.80	2.69	2.69	3.59	4.49	5.39	6.29
285.0	1.80	1.80	1.80	2.69	3.59	4.49	6.29	7.19	8.08
300.0	8.98	8.98	8.98	9.88	10.78	11.68	12.57	13.47	13.47
315.0	18.86	18.86	18.86	19.76	19.76	20.66	20.66	20.66	21.56
330.0	26.95	26.95	26.95	27.84	28.74	28.74	28.74	28.74	28.74
345.0	32.34	33.23	34.13	34.13	35.03	35.93	35.93	35.93	35.03
360.0	38.62	38.62	38.62	40.42	41.32	42.22	43.11	43.11	43.11
C/ γ (°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	42.22	41.32	39.52	37.72	34.13	30.54	25.15	18.86	13.47
15.0	56.59	53.89	50.30	45.81	42.22	37.72	31.44	24.25	15.27
30.0	81.74	76.35	70.06	62.87	54.79	46.71	39.52	30.54	17.96
45.0	105.09	97.01	88.02	78.14	68.26	57.48	46.71	35.93	22.46
60.0	121.26	111.38	101.50	89.82	78.14	65.57	52.99	39.52	26.95
75.0	130.24	120.36	109.58	97.01	84.43	70.96	56.59	42.22	27.84
90.0	132.93	123.05	111.38	99.70	87.13	72.75	57.48	43.11	27.84
105.0	131.14	121.26	109.58	97.01	85.33	70.06	56.59	41.32	26.95
120.0	122.16	112.28	101.50	89.82	78.14	64.67	51.20	36.83	24.25
135.0	104.19	96.11	87.13	76.35	65.57	54.79	43.11	30.54	20.66
150.0	80.84	73.65	67.37	59.28	52.10	43.11	32.34	23.35	17.96
165.0	53.89	50.30	45.81	41.32	35.93	29.64	23.35	17.07	13.47
180.0	35.03	33.23	31.44	27.84	23.35	17.96	13.47	10.78	7.19
195.0	26.95	25.15	22.46	19.76	16.17	12.57	9.88	8.08	5.39
210.0	17.96	17.96	14.37	13.47	11.68	8.98	7.19	6.29	4.49
225.0	10.78	9.88	9.88	8.98	8.08	6.29	5.39	4.49	1.80
240.0	6.29	6.29	6.29	6.29	5.39	4.49	3.59	3.59	0.00
255.0	5.39	6.29	6.29	6.29	6.29	3.59	2.69	2.69	0.90
270.0	7.19	8.08	8.98	9.88	8.08	6.29	4.49	2.69	1.80
285.0	8.98	9.88	10.78	11.68	10.78	8.98	6.29	4.49	2.69
300.0	14.37	14.37	14.37	14.37	13.47	11.68	8.98	7.19	3.59
315.0	20.66	20.66	19.76	18.86	17.96	15.27	12.57	8.98	5.39
330.0	27.84	26.95	25.15	24.25	21.56	18.86	15.27	10.78	6.29
345.0	34.13	33.23	31.44	28.74	26.95	21.56	17.96	12.57	8.08
360.0	42.22	41.32	39.52	37.72	34.13	30.54	25.15	18.86	13.47

Intensity data(cd)

C/ γ ($^{\circ}$)	180.0
0.0	6.29
15.0	7.19
30.0	8.08
45.0	8.98
60.0	8.98
75.0	10.78
90.0	13.47
105.0	13.47
120.0	13.47
135.0	11.68
150.0	10.78
165.0	8.08
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	6.29