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Nata

Client: NT

LumCAT: 1-1543-L & 92.70.378.00

Luminaire: 92.70.457.00

Report No: 20241113-B002

Ballast type: AC

Test No: 20241113-C002

Voltage(V): 35.280

LampCAT: LIMILEDS LUXEON 1202HD

Current(A): 0.200

Lamp flux(lm): 855.0

Power (W): 7.056

Number of Lamps: 1

PF: 0.000

Length(mm): 35

Width(mm): 35

Phm Type: C

Height(mm): 24

Photometric Results

Lumens(lm): 787.79, Efficiency(%): 92.14% , Luminous Efficacy(lm/W): 111.65

Central intensity(cd): 3587.634, Maximum intensity(cd): 3587.634

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=19.2

[C90/270]Total=19.2

Field angle(10%Imax): [C0/180]Total=51.2

[C90/270]Total=51.2

Maximum s/h(1/2): C0_180=0.33 C90_270=0.33

Maximum s/h(1/4): C0_180=0.37 C90_270=0.37

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.14%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.658%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3587.634	0.000	0	0.00%	0.00%
1.0	3566.273	3.423	3.423	0.40%	0.43%
2.0	3495.242	10.135	13.558	1.19%	1.72%
3.0	3383.391	16.451	30.01	1.92%	3.81%
4.0	3219.966	22.104	52.113	2.59%	6.62%
5.0	3008.847	26.796	78.909	3.13%	10.02%
6.0	2770.514	30.372	109.281	3.55%	13.87%
7.0	2489.094	32.646	141.928	3.82%	18.02%
8.0	2206.357	33.604	175.532	3.93%	22.28%
9.0	1941.177	33.614	209.146	3.93%	26.55%
10.0	1684.775	32.814	241.959	3.84%	30.71%
11.0	1441.270	31.236	273.195	3.65%	34.68%
12.0	1273.245	29.674	302.868	3.47%	38.45%
13.0	1168.124	28.973	331.841	3.39%	42.12%
14.0	1059.023	28.507	360.349	3.33%	45.74%
15.0	967.253	27.818	388.166	3.25%	49.27%
16.0	886.038	27.156	415.322	3.18%	52.72%
17.0	809.805	26.409	441.731	3.09%	56.07%
18.0	739.256	25.541	467.272	2.99%	59.31%
19.0	682.168	24.730	492.001	2.89%	62.45%
20.0	627.990	23.980	515.981	2.80%	65.50%
21.0	576.886	23.136	539.117	2.71%	68.43%
22.0	528.678	22.217	561.334	2.60%	71.25%
23.0	486.402	21.299	582.633	2.49%	73.96%
24.0	435.912	20.165	602.798	2.36%	76.52%
25.0	387.156	18.715	621.513	2.19%	78.89%
26.0	338.092	17.120	638.632	2.00%	81.07%
27.0	292.978	15.439	654.072	1.81%	83.03%
28.0	266.138	14.156	668.227	1.66%	84.82%
29.0	225.765	12.870	681.097	1.51%	86.46%
30.0	168.084	10.634	691.731	1.24%	87.81%
31.0	136.145	8.466	700.197	0.99%	88.88%
32.0	111.083	7.083	707.28	0.83%	89.78%
33.0	90.293	5.933	713.212	0.69%	90.53%
34.0	77.681	5.083	718.296	0.59%	91.18%
35.0	69.576	4.573	722.869	0.53%	91.76%
36.0	63.526	4.238	727.107	0.50%	92.30%
37.0	57.279	3.940	731.047	0.46%	92.80%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	51.134	3.619	734.666	0.42%	93.26%
39.0	45.048	3.283	737.949	0.38%	93.67%
40.0	39.451	2.947	740.896	0.34%	94.05%
41.0	34.718	2.641	743.537	0.31%	94.38%
42.0	30.571	2.372	745.909	0.28%	94.68%
43.0	27.213	2.140	748.049	0.25%	94.95%
44.0	24.316	1.945	749.994	0.23%	95.20%
45.0	21.990	1.780	751.774	0.21%	95.43%
46.0	19.898	1.638	753.412	0.19%	95.64%
47.0	18.230	1.516	754.928	0.18%	95.83%
48.0	16.891	1.420	756.348	0.17%	96.01%
49.0	15.764	1.341	757.689	0.16%	96.18%
50.0	14.711	1.271	758.96	0.15%	96.34%
51.0	13.833	1.208	760.167	0.14%	96.49%
52.0	13.124	1.157	761.324	0.14%	96.64%
53.0	12.473	1.113	762.438	0.13%	96.78%
54.0	11.895	1.074	763.512	0.13%	96.92%
55.0	11.383	1.039	764.551	0.12%	97.05%
56.0	10.951	1.009	765.56	0.12%	97.18%
57.0	10.534	0.982	766.542	0.11%	97.30%
58.0	10.154	0.957	767.499	0.11%	97.42%
59.0	9.803	0.933	768.432	0.11%	97.54%
60.0	9.481	0.911	769.343	0.11%	97.66%
61.0	9.195	0.891	770.234	0.10%	97.77%
62.0	8.925	0.873	771.107	0.10%	97.88%
63.0	8.632	0.854	771.961	0.10%	97.99%
64.0	8.369	0.834	772.795	0.10%	98.10%
65.0	8.105	0.815	773.611	0.10%	98.20%
66.0	7.849	0.796	774.407	0.09%	98.30%
67.0	7.586	0.776	775.183	0.09%	98.40%
68.0	7.286	0.753	775.936	0.09%	98.49%
69.0	7.001	0.729	776.665	0.09%	98.59%
70.0	6.737	0.706	777.371	0.08%	98.68%
71.0	6.474	0.683	778.053	0.08%	98.76%
72.0	6.240	0.661	778.714	0.08%	98.85%
73.0	6.013	0.641	779.355	0.07%	98.93%
74.0	5.830	0.623	779.978	0.07%	99.01%
75.0	5.611	0.605	780.582	0.07%	99.08%

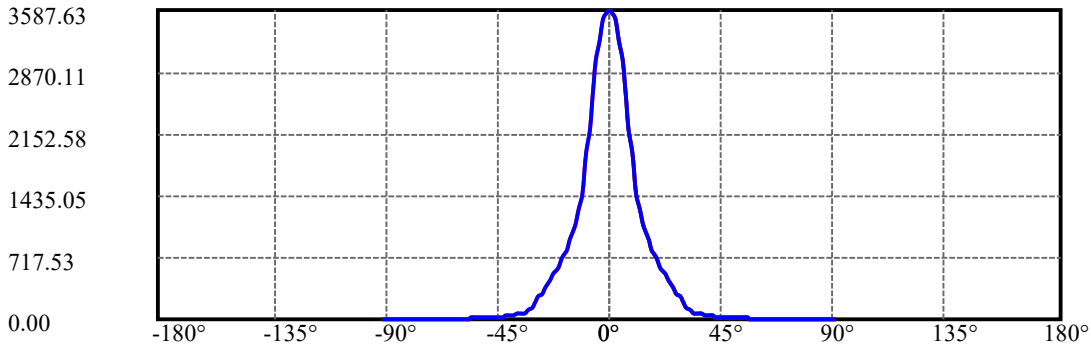
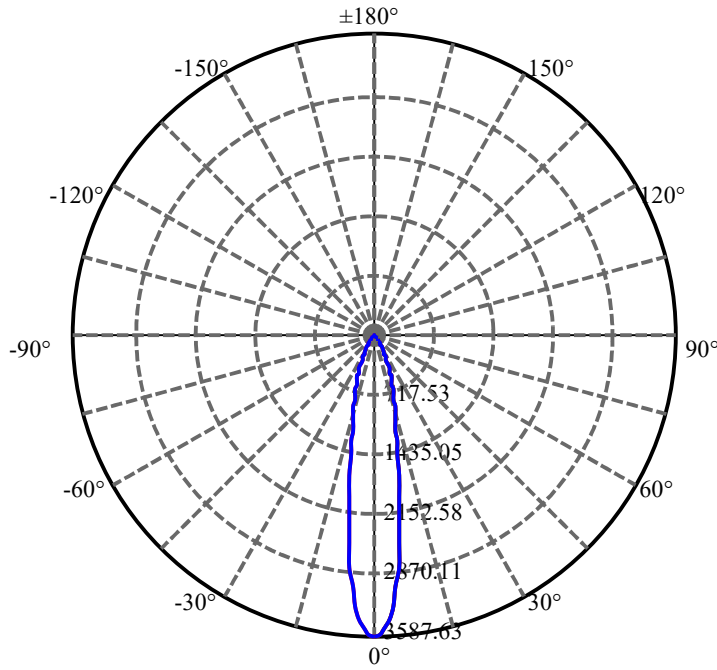
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.428	0.586	781.168	0.07%	99.16%
77.0	5.245	0.569	781.737	0.07%	99.23%
78.0	5.062	0.552	782.289	0.06%	99.30%
79.0	4.879	0.534	782.823	0.06%	99.37%
80.0	4.733	0.518	783.342	0.06%	99.43%
81.0	4.557	0.502	783.844	0.06%	99.50%
82.0	4.404	0.486	784.33	0.06%	99.56%
83.0	4.294	0.473	784.803	0.06%	99.62%
84.0	4.177	0.461	785.264	0.05%	99.68%
85.0	4.075	0.450	785.715	0.05%	99.74%
86.0	3.943	0.438	786.153	0.05%	99.79%
87.0	3.826	0.425	786.578	0.05%	99.85%
88.0	3.731	0.414	786.992	0.05%	99.90%
89.0	3.650	0.405	787.397	0.05%	99.95%
90.0	3.614	0.398	787.795	0.05%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	691.73	80.90%	87.81%
0-40	740.90	86.65%	94.05%
0-60	769.34	89.98%	97.66%
0-90	787.40	92.09%	99.95%
0-120	787.40	92.09%	99.95%
0-180	787.79	92.14%	100.00%
60-90	18.05	2.11%	2.29%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.51	630.24	73.71%	80.00%

ZONAL LUMEN SUMMARY

0-10	241.96
10-20	274.02
20-30	175.75
30-40	49.16
40-50	18.06
50-60	10.38
60-70	8.03
70-80	5.97
80-90	4.05
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



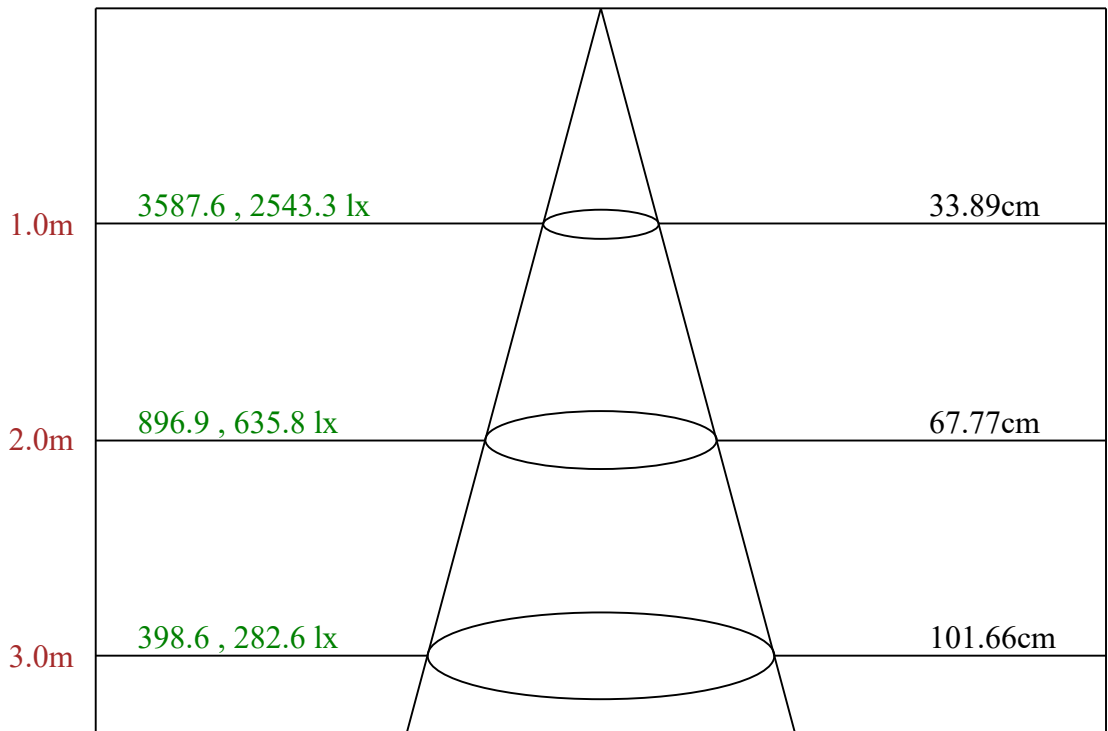
C0(Max): —————

C0/C180: —————

C90/C270: —————

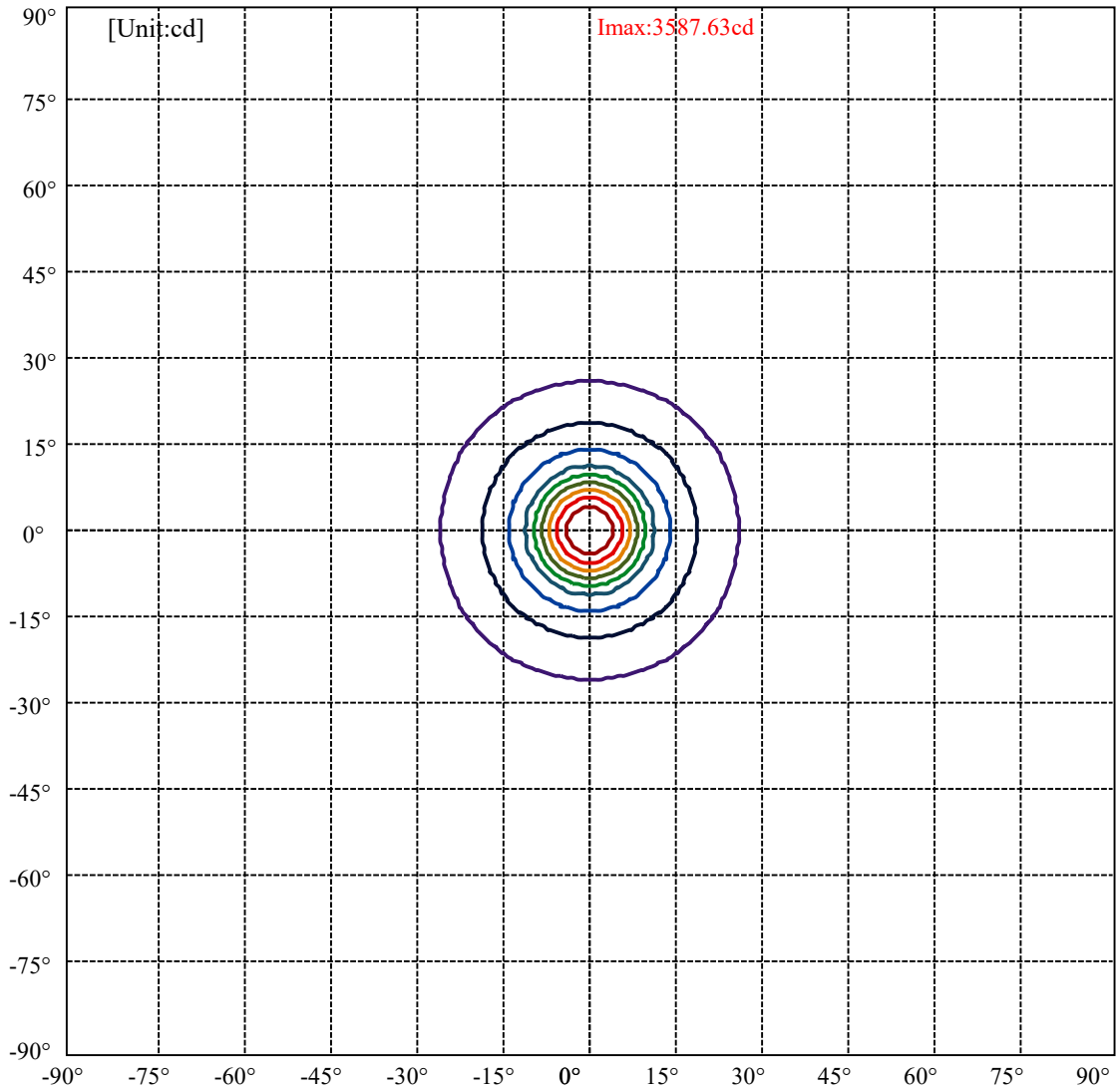
Field angle(10%Imax):C0/180Left:25.6 Right:25.6
:C90/270Left:25.6 Right:25.6

Beam Angle(50%Imax):C0/180Left:9.6 Right:9.6
:C90/270Left:9.6 Right:9.6



Max , Ave Beam angle of C0 plane 19.23

ISO-Intensity(V-H)

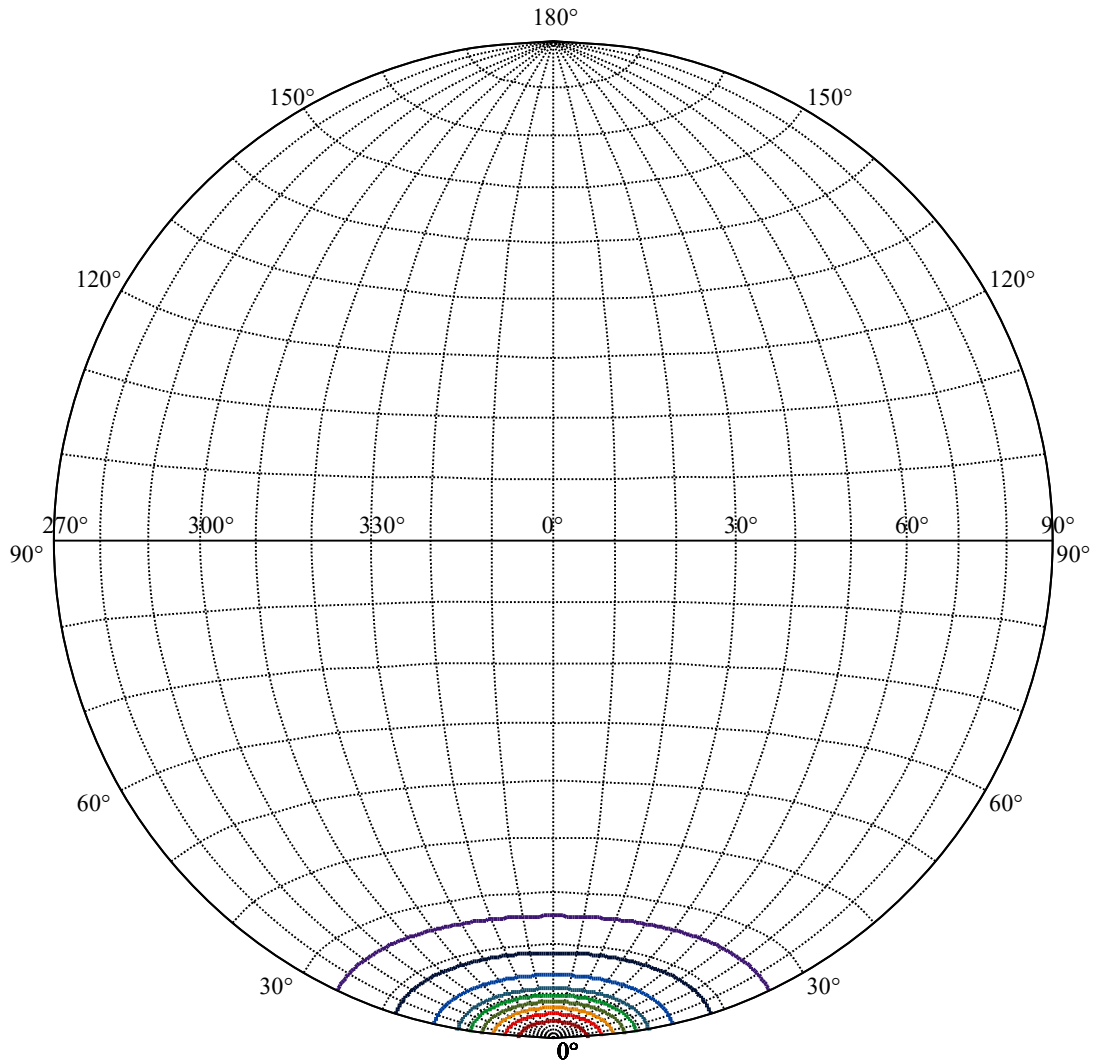


(10%Imax) 358.763	—
(20%Imax) 717.527	—
(30%Imax) 1076.29	—
(40%Imax) 1435.05	—
(50%Imax) 1793.82	—
(60%Imax) 2152.58	—
(70%Imax) 2511.34	—
(80%Imax) 2870.11	—
(90%Imax) 3228.87	—

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/11/13
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65



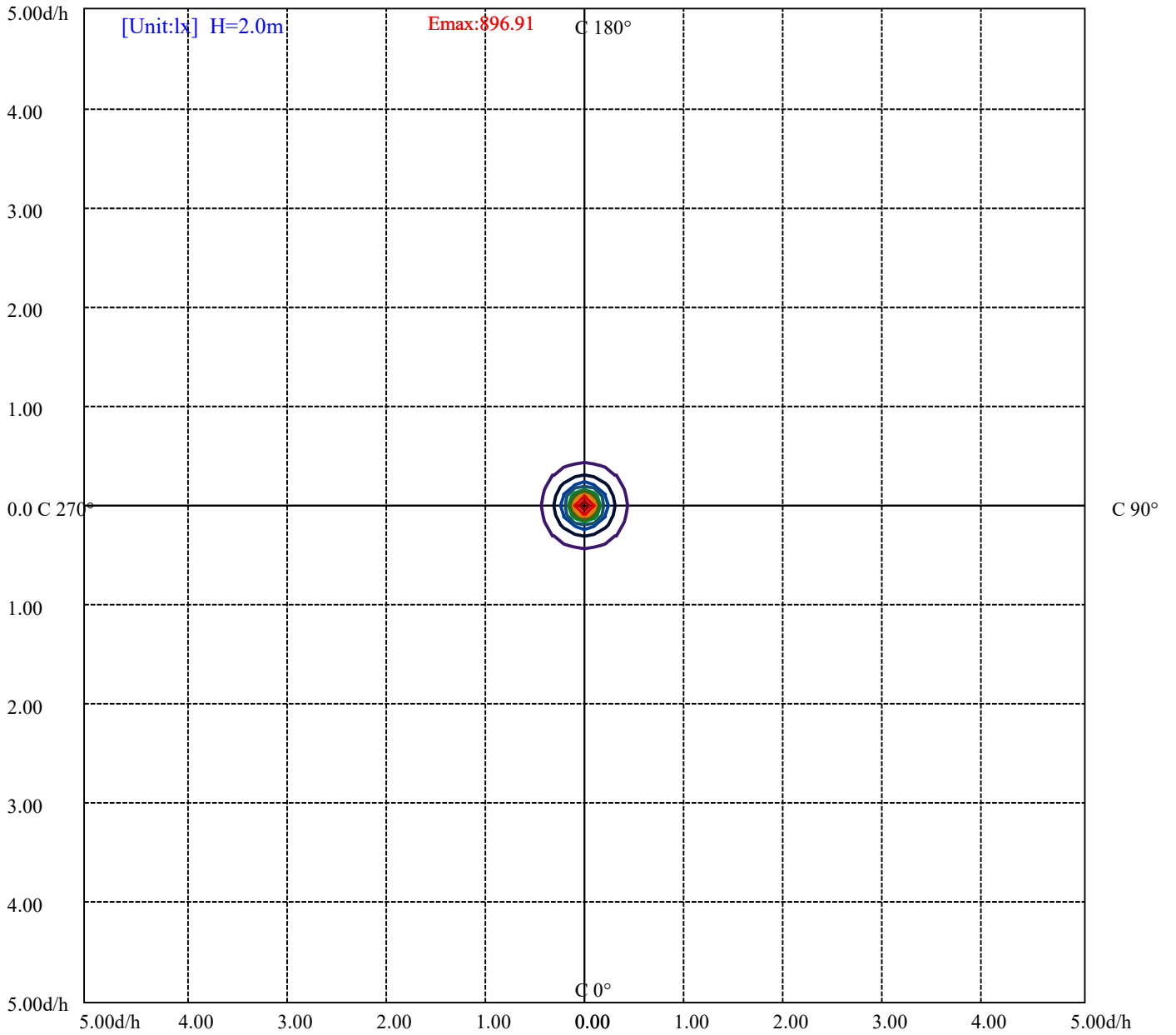
House

[Unit:cd]

Road

Imax:3587.63

(10%Imax) 358.763	—
(20%Imax) 717.527	—
(30%Imax) 1076.29	—
(40%Imax) 1435.05	—
(50%Imax) 1793.82	—
(60%Imax) 2152.58	—
(70%Imax) 2511.34	—
(80%Imax) 2870.11	—
(90%Imax) 3228.87	—



- (10%Emax) 89.69075
- (20%Emax) 179.3815
- (30%Emax) 269.0725
- (40%Emax) 358.7625
- (50%Emax) 448.455
- (60%Emax) 538.145
- (70%Emax) 627.835
- (80%Emax) 717.525
- (90%Emax) 807.2175

Luminance Limiting Curve(no luminous side)

Luminance Table

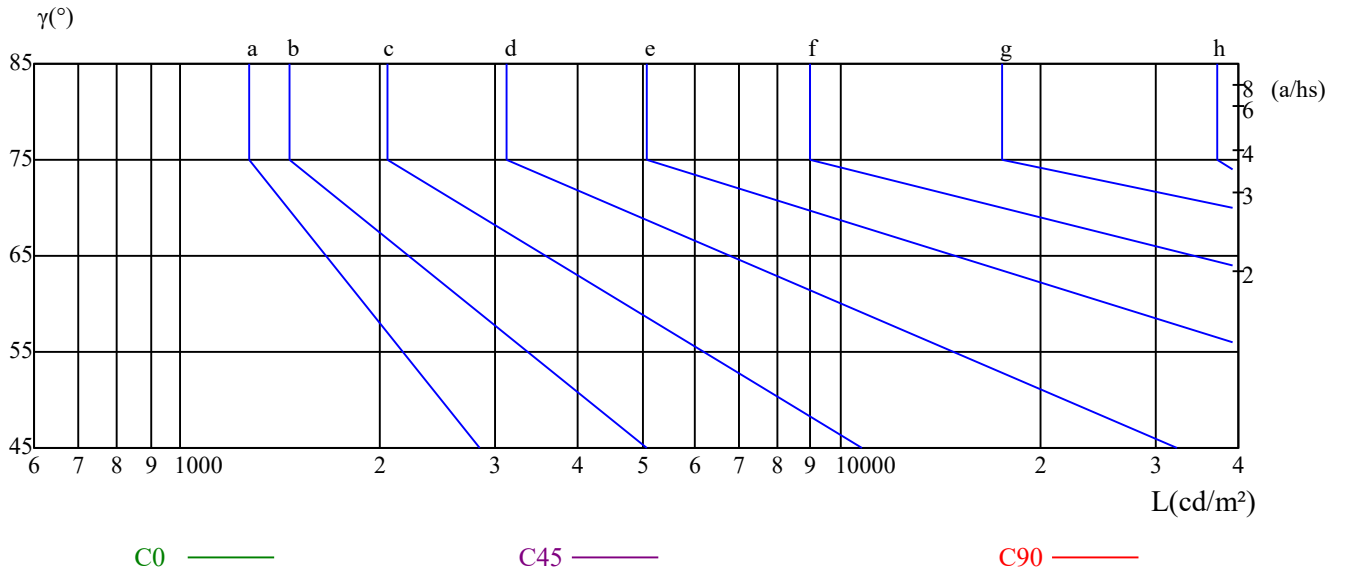
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

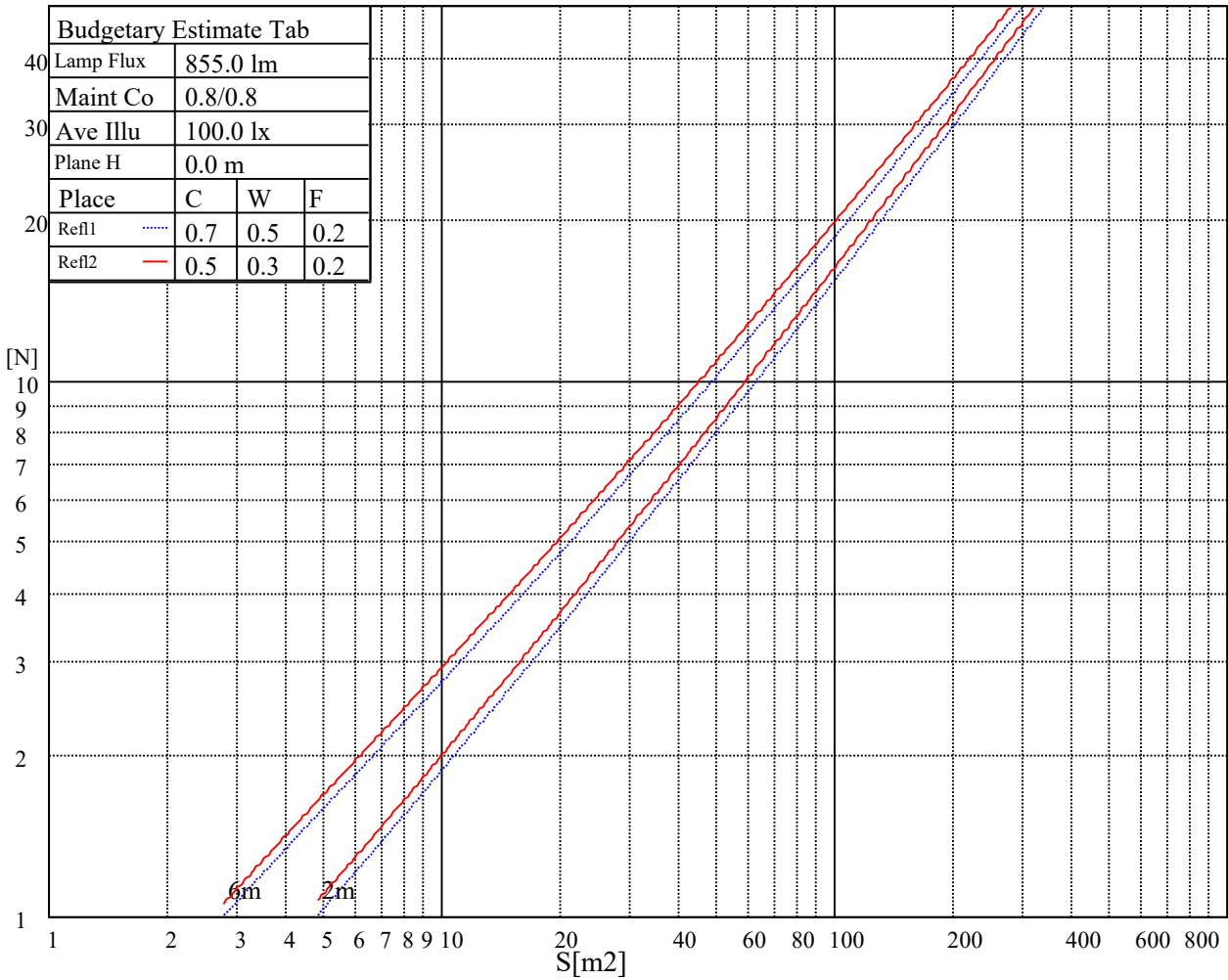
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve



Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
4H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
8H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
12H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
Variation with the observer position at spacings:											
S = 1.0H	非数字/非数字					非数字/非数字					
S = 1.5H	非数字/非数字					非数字/非数字					
S = 2.0H	非数字/非数字					非数字/非数字					
Standard tables:	BK0					BK0					
Uncorrected UGR	负无穷大					负无穷大					

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.10	1.10	1.10	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.03	1.01	0.99	1.01	0.99	0.97	0.97	0.96	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.87
2	0.97	0.94	0.91	0.96	0.93	0.90	0.93	0.90	0.88	0.90	0.88	0.86	0.88	0.86	0.85	0.83
3	0.92	0.88	0.85	0.91	0.87	0.85	0.89	0.86	0.83	0.86	0.84	0.82	0.84	0.82	0.81	0.79
4	0.88	0.84	0.80	0.87	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.82	0.79	0.77	0.76
5	0.84	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.75	0.79	0.76	0.74	0.73
6	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.72	0.76	0.74	0.71	0.70
7	0.77	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.68
8	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.72	0.69	0.66	0.65
9	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.63
10	0.70	0.65	0.63	0.69	0.65	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.61

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	3598.61	3583.98	3519.02	3406.07	3216.46	3021.58	2796.85	2472.05	2218.06
45.0	3567.00	3603.29	3595.68	3535.40	3437.08	3259.18	3061.96	2838.40	2574.46
90.0	3599.78	3576.37	3494.44	3400.22	3208.26	2992.31	2747.69	2402.99	2136.13
135.0	3585.15	3597.44	3566.42	3474.54	3358.66	3197.14	2925.60	2666.93	2325.74
180.0	3598.61	3579.88	3511.41	3405.48	3266.20	3034.45	2805.63	2534.08	2210.45
225.0	3567.00	3494.44	3345.20	3183.68	2987.63	2686.24	2418.21	2159.54	1858.73
270.0	3599.78	3578.12	3509.65	3375.64	3224.06	3039.72	2819.67	2502.48	2247.91
315.0	3585.15	3516.68	3420.11	3286.10	3061.37	2840.16	2588.51	2336.28	2079.36
360.0	3598.61	3583.98	3519.02	3406.07	3216.46	3021.58	2796.85	2472.05	2218.06
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1920.77	1705.99	1517.55	1155.82	1155.82	1078.80	992.42	915.06	823.12
45.0	2239.71	1993.92	1761.00	1507.01	1327.93	1190.99	1060.49	975.63	898.38
90.0	1897.36	1611.77	1148.80	1148.80	1119.48	1020.52	920.91	847.93	777.65
135.0	2062.39	1824.20	1606.50	1409.28	1212.64	1093.84	996.11	913.59	819.96
180.0	1965.24	1678.48	1480.09	1307.45	1166.41	1032.40	946.37	869.70	798.89
225.0	1649.81	1340.81	1166.06	1136.68	1036.49	952.16	882.34	797.13	733.81
270.0	2003.87	1730.57	1540.37	1370.07	1202.11	1096.18	1008.99	911.25	838.10
315.0	1790.26	1592.46	1309.79	1150.84	1124.10	1007.29	930.39	858.00	788.53
360.0	1920.77	1705.99	1517.55	1155.82	1155.82	1078.80	992.42	915.06	823.12
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	756.40	699.52	648.78	588.79	546.37	504.29	442.25	393.27	336.33
45.0	811.77	745.64	691.21	639.71	578.26	533.78	489.89	443.07	382.80
90.0	703.44	654.87	605.59	548.06	506.75	462.04	402.46	357.98	313.56
135.0	756.75	702.33	638.54	591.72	538.47	500.43	460.05	400.94	355.88
180.0	721.64	667.22	615.72	573.58	520.32	478.77	423.76	378.11	333.05
225.0	677.69	613.78	565.91	512.60	473.97	432.31	387.01	333.64	292.50
270.0	773.14	714.62	647.32	595.82	551.34	508.62	457.12	411.47	366.41
315.0	713.21	659.37	610.86	564.80	513.94	470.99	424.76	378.76	324.21
360.0	756.40	699.52	648.78	588.79	546.37	504.29	442.25	393.27	336.33
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	292.79	251.65	204.48	169.77	138.52	111.95	90.01	78.07	71.05
45.0	335.39	302.03	302.03	198.98	165.56	136.24	106.22	89.66	76.20
90.0	261.24	221.86	187.45	155.38	120.73	98.79	84.33	75.55	67.18
135.0	309.06	297.94	297.94	180.48	148.24	121.96	99.66	82.22	74.79
180.0	300.28	300.28	199.68	158.54	128.57	104.17	87.14	74.21	68.06
225.0	252.23	213.84	169.31	137.82	112.13	91.65	75.20	67.59	59.99
270.0	311.40	300.86	250.77	183.41	149.41	121.20	93.23	80.12	71.98
315.0	281.43	240.64	194.47	160.29	126.00	102.71	86.55	74.03	67.36
360.0	292.79	251.65	204.48	169.77	138.52	111.95	90.01	78.07	71.05
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	64.67	57.59	51.97	46.41	39.97	35.64	31.89	27.92	25.11
45.0	69.93	63.97	58.35	50.86	45.47	40.26	35.99	31.13	28.03
90.0	61.16	55.36	48.28	42.90	36.23	32.19	28.62	25.57	22.41
135.0	68.94	61.62	55.71	47.93	42.08	36.64	31.49	28.27	25.40
180.0	61.98	56.77	50.15	44.95	39.33	34.47	30.08	27.15	23.99
225.0	54.78	49.16	43.60	37.34	32.83	29.09	25.34	22.88	20.72
270.0	65.55	58.35	52.73	47.11	41.67	35.70	31.84	28.50	25.11
315.0	61.21	55.42	48.28	42.90	38.04	33.77	29.32	26.28	23.76
360.0	64.67	57.59	51.97	46.41	39.97	35.64	31.89	27.92	25.11

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	22.77	20.25	18.67	17.38	16.27	14.98	14.16	13.46	12.82
45.0	25.34	22.41	20.54	18.84	17.21	16.09	14.86	14.05	13.34
90.0	20.37	18.55	17.09	15.57	14.57	13.69	12.82	12.17	11.65
135.0	23.00	20.48	18.79	17.38	16.15	14.92	14.10	13.34	12.52
180.0	21.95	20.13	18.32	17.15	16.04	15.16	14.10	13.40	12.76
225.0	18.61	17.21	16.04	14.81	13.99	13.23	12.58	11.82	11.35
270.0	22.77	20.78	18.84	17.62	16.50	15.33	14.51	13.87	13.05
315.0	21.13	19.37	17.56	16.39	15.39	14.28	13.52	12.87	12.29
360.0	22.77	20.25	18.67	17.38	16.27	14.98	14.16	13.46	12.82
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	12.11	11.59	11.12	10.59	10.18	9.77	9.42	9.13	8.90
45.0	12.64	12.00	11.47	11.06	10.71	10.30	9.95	9.71	9.42
90.0	11.06	10.65	10.36	9.89	9.60	9.31	9.01	8.78	8.54
135.0	12.00	11.47	10.94	10.59	10.12	9.83	9.54	9.25	9.01
180.0	12.23	11.59	11.18	10.83	10.36	10.01	9.71	9.36	9.07
225.0	10.94	10.53	10.12	9.77	9.48	9.13	8.90	8.60	8.37
270.0	12.52	12.00	11.59	11.06	10.65	10.36	9.89	9.54	9.31
315.0	11.65	11.24	10.83	10.48	10.12	9.71	9.42	9.19	8.78
360.0	12.11	11.59	11.12	10.59	10.18	9.77	9.42	9.13	8.90
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	8.60	8.31	8.13	7.90	7.61	7.32	7.02	6.79	6.50
45.0	9.13	8.90	8.60	8.37	8.13	7.78	7.49	7.20	6.96
90.0	8.31	8.08	7.84	7.61	7.43	7.08	6.85	6.55	6.26
135.0	8.66	8.43	8.19	7.96	7.67	7.37	7.02	6.79	6.55
180.0	8.78	8.49	8.19	7.96	7.61	7.37	7.08	6.85	6.55
225.0	8.13	7.84	7.55	7.32	7.08	6.85	6.55	6.32	6.14
270.0	8.90	8.66	8.37	8.02	7.72	7.43	7.20	6.85	6.55
315.0	8.54	8.25	7.96	7.67	7.43	7.08	6.79	6.55	6.26
360.0	8.60	8.31	8.13	7.90	7.61	7.32	7.02	6.79	6.50
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.26	5.97	5.85	5.62	5.38	5.27	5.03	4.86	4.68
45.0	6.61	6.44	6.20	5.97	5.74	5.56	5.38	5.15	5.03
90.0	6.09	5.79	5.62	5.50	5.33	5.09	4.97	4.80	4.62
135.0	6.26	6.03	5.85	5.62	5.50	5.27	5.15	4.97	4.80
180.0	6.32	6.14	5.91	5.68	5.50	5.27	5.09	4.92	4.74
225.0	5.97	5.74	5.56	5.33	5.15	5.03	4.80	4.68	4.68
270.0	6.38	6.14	5.91	5.74	5.56	5.33	5.15	4.92	4.74
315.0	6.03	5.85	5.74	5.44	5.27	5.15	4.92	4.74	4.56
360.0	6.26	5.97	5.85	5.62	5.38	5.27	5.03	4.86	4.68
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.51	4.39	4.27	4.16	4.10	3.92	3.80	3.75	3.69
45.0	4.80	4.62	4.51	4.33	4.27	4.10	3.98	3.86	3.80
90.0	4.45	4.33	4.21	4.16	4.04	3.92	3.80	3.75	3.63
135.0	4.62	4.45	4.33	4.21	4.10	3.98	3.86	3.75	3.63
180.0	4.56	4.39	4.27	4.21	4.10	3.92	3.80	3.75	3.63
225.0	4.51	4.33	4.21	4.10	3.98	3.86	3.75	3.63	3.63
270.0	4.62	4.45	4.33	4.21	4.10	3.98	3.86	3.75	3.63
315.0	4.39	4.27	4.21	4.04	3.92	3.86	3.75	3.63	3.57
360.0	4.51	4.39	4.27	4.16	4.10	3.92	3.80	3.75	3.69

Intensity data(cd)

C/γ(°)	90.0
0.0	3.63
45.0	3.69
90.0	3.57
135.0	3.57
180.0	3.63
225.0	3.63
270.0	3.63
315.0	3.57
360.0	3.63