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## Nata

Client:

LumCAT: 2-2752-L

Luminaire: 92.70.412.00

Report No: 2024815-B012

Ballast type:

Test No: 2024815-C012

Voltage(V): 35.330

LampCAT: BRIDGELUX V13B LES13

Current(A): 0.450

Lamp flux(lm): 2544.0

Power (W): 15.890

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

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## Photometric Results

Lumens(lm): 2362.20, Efficiency(%): 92.85% , Luminous Efficacy(lm/W): 148.66

Central intensity(cd): 8547.871, Maximum intensity(cd): 8547.871

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=25.0

[C90/270]Total=25.0

Field angle(10%Imax): [C0/180]Total=56.0

[C90/270]Total=56.0

Maximum s/h(1/2): C0\_180=0.42 C90\_270=0.42

Maximum s/h(1/4): C0\_180=0.44 C90\_270=0.44

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.85%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 99.237%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	8547.871	0.000	0	0.00%	0.00%
1.0	8496.531	8.155	8.155	0.32%	0.35%
2.0	8358.088	24.191	32.347	0.95%	1.37%
3.0	8154.651	39.493	71.84	1.55%	3.04%
4.0	7876.208	53.660	125.5	2.11%	5.31%
5.0	7564.204	66.424	191.924	2.61%	8.12%
6.0	7142.075	77.285	269.209	3.04%	11.40%
7.0	6744.465	86.194	355.403	3.39%	15.05%
8.0	6337.526	93.625	449.028	3.68%	19.01%
9.0	5899.037	99.171	548.199	3.90%	23.21%
10.0	5428.997	102.515	650.714	4.03%	27.55%
11.0	4975.901	103.966	754.68	4.09%	31.95%
12.0	4489.494	103.470	858.15	4.07%	36.33%
13.0	4068.765	101.565	959.715	3.99%	40.63%
14.0	3636.681	98.629	1058.344	3.88%	44.80%
15.0	3258.717	94.663	1153.007	3.72%	48.81%
16.0	2858.953	89.641	1242.648	3.52%	52.61%
17.0	2553.072	84.280	1326.928	3.31%	56.17%
18.0	2266.134	79.458	1406.386	3.12%	59.54%
19.0	2019.937	74.569	1480.955	2.93%	62.69%
20.0	1818.662	70.257	1551.212	2.76%	65.67%
21.0	1643.925	66.489	1617.701	2.61%	68.48%
22.0	1507.703	63.333	1681.034	2.49%	71.16%
23.0	1345.607	59.870	1740.904	2.35%	73.70%
24.0	1234.016	56.400	1797.304	2.22%	76.09%
25.0	1122.932	53.592	1850.896	2.11%	78.35%
26.0	1050.212	51.297	1902.193	2.02%	80.53%
27.0	945.987	48.837	1951.031	1.92%	82.59%
28.0	856.131	45.626	1996.656	1.79%	84.53%
29.0	766.092	42.442	2039.098	1.67%	86.32%
30.0	674.935	38.907	2078.006	1.53%	87.97%
31.0	588.004	35.146	2113.152	1.38%	89.46%
32.0	506.683	31.361	2144.513	1.23%	90.78%
33.0	422.951	27.387	2171.9	1.08%	91.94%
34.0	358.792	23.658	2195.558	0.93%	92.95%
35.0	300.112	20.463	2216.021	0.80%	93.81%
36.0	263.463	17.944	2233.966	0.71%	94.57%
37.0	219.777	15.761	2249.726	0.62%	95.24%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	185.289	13.521	2263.247	0.53%	95.81%
39.0	145.066	11.276	2274.523	0.44%	96.29%
40.0	119.672	9.233	2283.756	0.36%	96.68%
41.0	98.331	7.763	2291.519	0.31%	97.01%
42.0	80.486	6.497	2298.016	0.26%	97.28%
43.0	67.530	5.483	2303.499	0.22%	97.51%
44.0	55.342	4.638	2308.136	0.18%	97.71%
45.0	46.465	3.913	2312.049	0.15%	97.88%
46.0	39.915	3.378	2315.427	0.13%	98.02%
47.0	34.869	2.974	2318.401	0.12%	98.15%
48.0	31.137	2.668	2321.07	0.10%	98.26%
49.0	28.351	2.443	2323.512	0.10%	98.36%
50.0	26.288	2.278	2325.791	0.09%	98.46%
51.0	24.704	2.157	2327.948	0.08%	98.55%
52.0	23.357	2.062	2330.01	0.08%	98.64%
53.0	22.254	1.984	2331.994	0.08%	98.72%
54.0	21.216	1.916	2333.91	0.08%	98.80%
55.0	20.309	1.854	2335.764	0.07%	98.88%
56.0	19.553	1.801	2337.565	0.07%	98.96%
57.0	18.679	1.748	2339.313	0.07%	99.03%
58.0	17.812	1.687	2341.001	0.07%	99.10%
59.0	16.873	1.622	2342.622	0.06%	99.17%
60.0	16.012	1.554	2344.176	0.06%	99.24%
61.0	15.059	1.483	2345.659	0.06%	99.30%
62.0	13.936	1.397	2347.056	0.05%	99.36%
63.0	12.996	1.310	2348.366	0.05%	99.41%
64.0	12.096	1.231	2349.597	0.05%	99.47%
65.0	11.189	1.152	2350.749	0.05%	99.52%
66.0	10.289	1.072	2351.821	0.04%	99.56%
67.0	9.514	0.996	2352.817	0.04%	99.60%
68.0	8.699	0.923	2353.739	0.04%	99.64%
69.0	8.016	0.853	2354.592	0.03%	99.68%
70.0	7.378	0.791	2355.382	0.03%	99.71%
71.0	6.675	0.726	2356.109	0.03%	99.74%
72.0	6.071	0.663	2356.772	0.03%	99.77%
73.0	5.506	0.605	2357.377	0.02%	99.80%
74.0	5.033	0.554	2357.931	0.02%	99.82%
75.0	4.645	0.511	2358.442	0.02%	99.84%

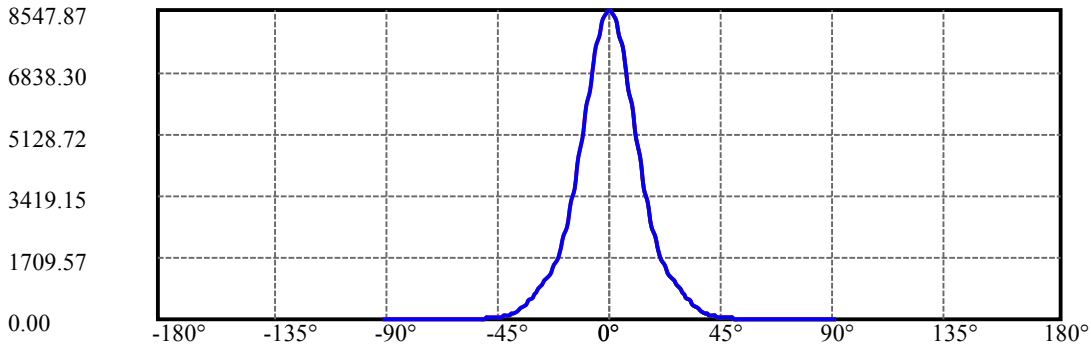
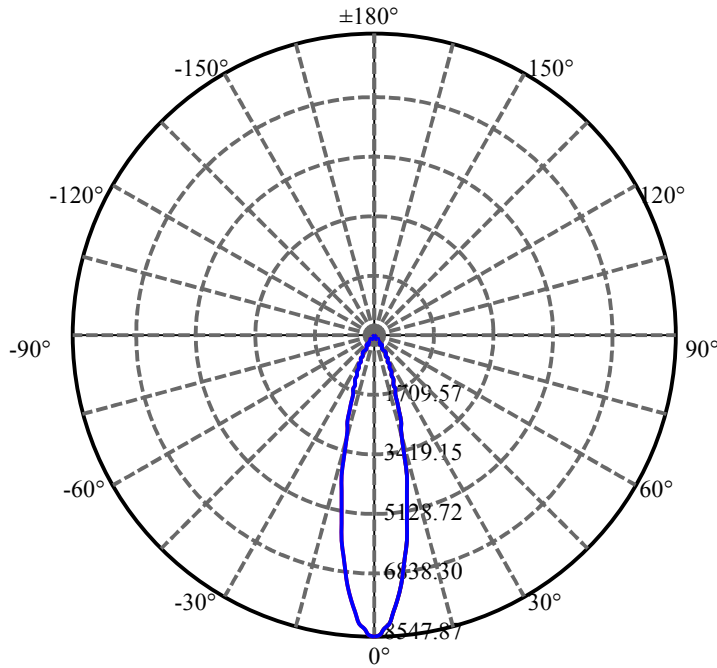
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.218	0.470	2358.913	0.02%	99.86%
77.0	3.870	0.431	2359.344	0.02%	99.88%
78.0	3.535	0.396	2359.74	0.02%	99.90%
79.0	3.187	0.361	2360.102	0.01%	99.91%
80.0	2.884	0.327	2360.429	0.01%	99.92%
81.0	2.582	0.296	2360.725	0.01%	99.94%
82.0	2.319	0.266	2360.99	0.01%	99.95%
83.0	2.004	0.235	2361.225	0.01%	99.96%
84.0	1.761	0.205	2361.43	0.01%	99.97%
85.0	1.544	0.180	2361.611	0.01%	99.97%
86.0	1.347	0.158	2361.769	0.01%	99.98%
87.0	1.163	0.137	2361.906	0.01%	99.99%
88.0	0.979	0.117	2362.024	0.00%	99.99%
89.0	0.795	0.097	2362.121	0.00%	100.00%
90.0	0.690	0.081	2362.202	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2078.01	81.68%	87.97%
0-40	2283.76	89.77%	96.68%
0-60	2344.18	92.15%	99.24%
0-90	2362.12	92.85%	100.00%
0-120	2362.12	92.85%	100.00%
0-180	2362.20	92.85%	100.00%
60-90	17.94	0.71%	0.76%
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%
0-25.76	1889.76	74.28%	80.00%

ZONAL LUMEN SUMMARY

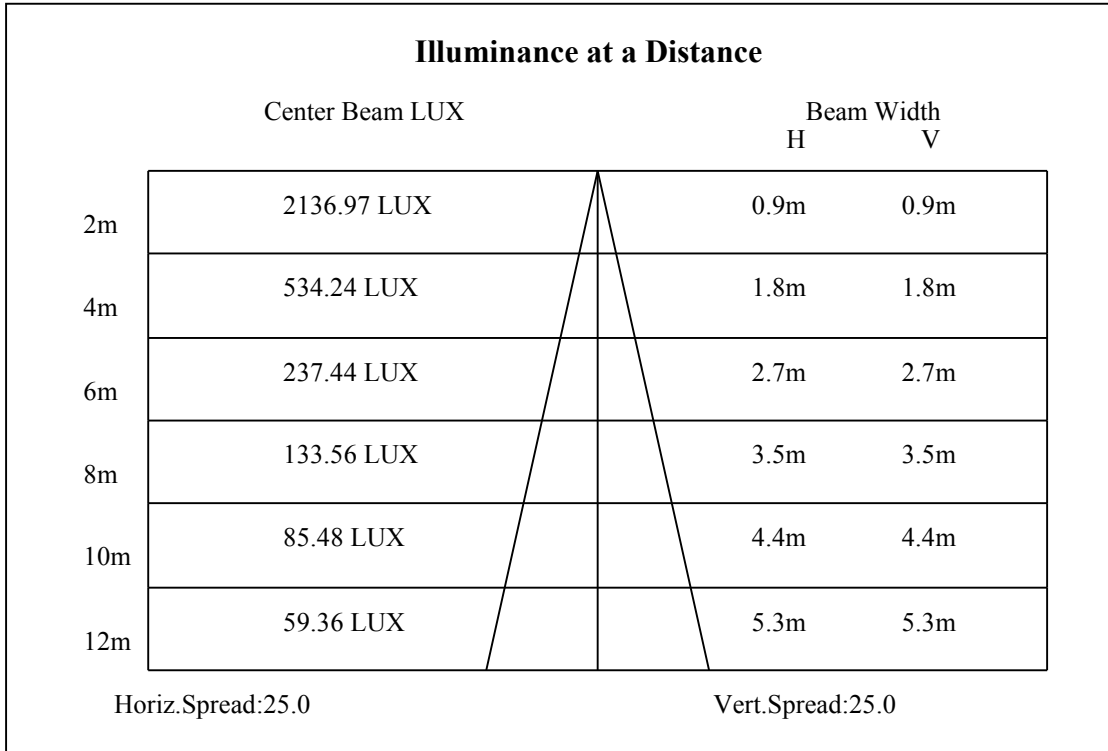
0-10	650.71
10-20	900.50
20-30	526.79
30-40	205.75
40-50	42.03
50-60	18.39
60-70	11.21
70-80	5.05
80-90	1.69
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

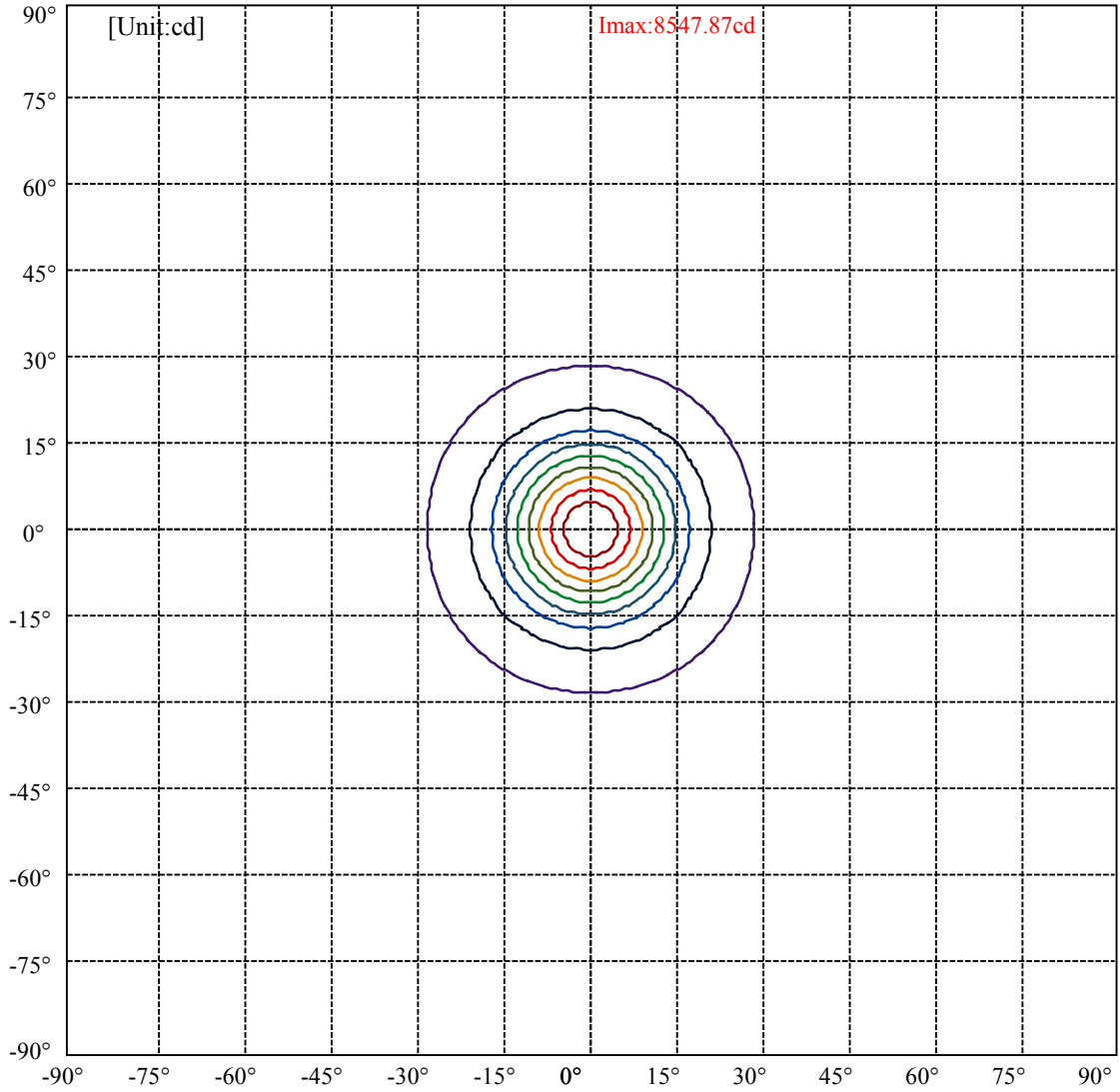


C0(Max): ———  
C0/C180: ———  
C90/C270: ———

Field angle(10%Imax):C0/180Left:28.0 Right:28.0  
:C90/270Left:28.0 Right:28.0

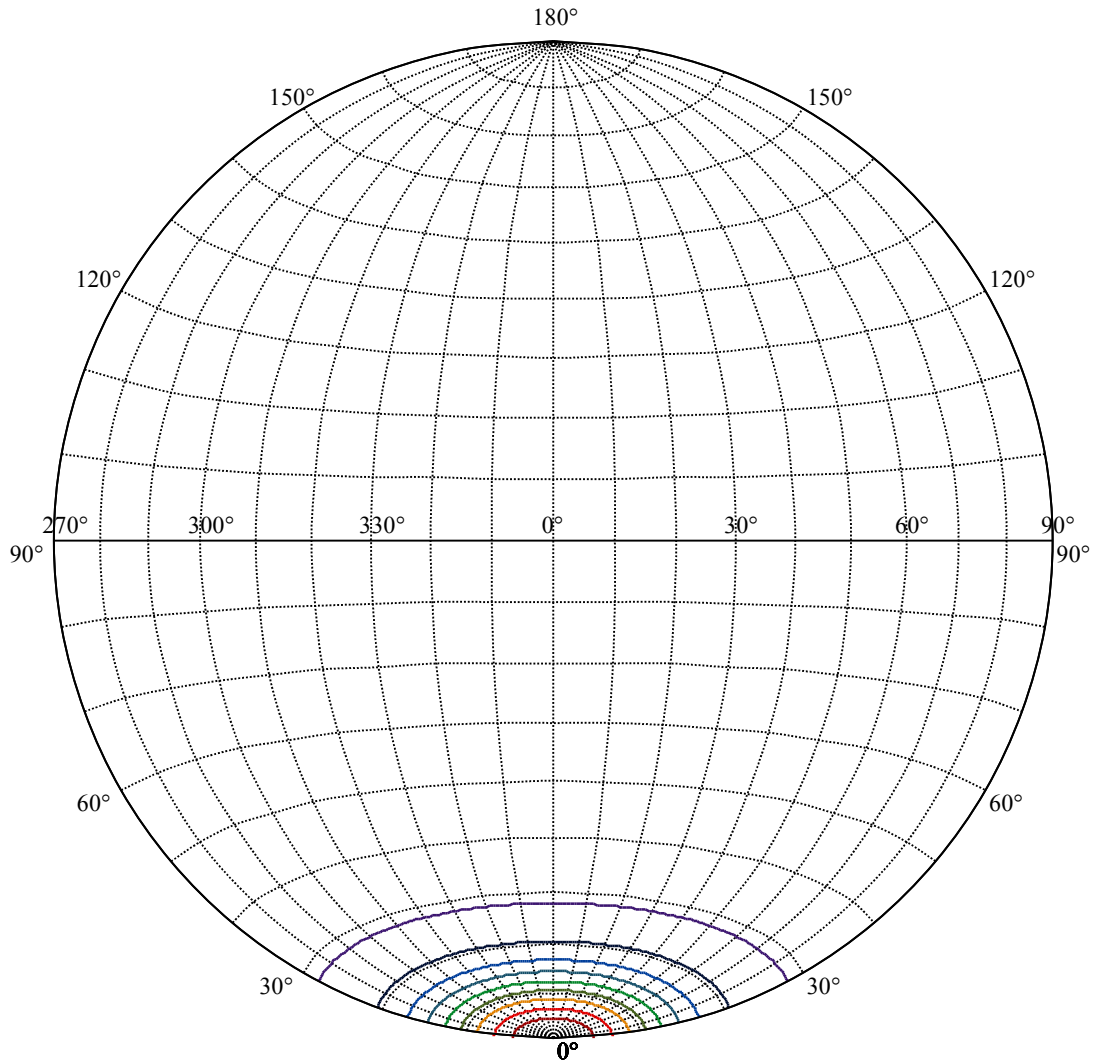
Beam Angle(50%Imax):C0/180Left:12.5 Right:12.5  
:C90/270Left:12.5 Right:12.5





(10%Imax) 854.787	—
(20%Imax) 1709.57	—
(30%Imax) 2564.36	—
(40%Imax) 3419.15	—
(50%Imax) 4273.94	—
(60%Imax) 5128.72	—
(70%Imax) 5983.51	—
(80%Imax) 6838.3	—
(90%Imax) 7693.08	—





House

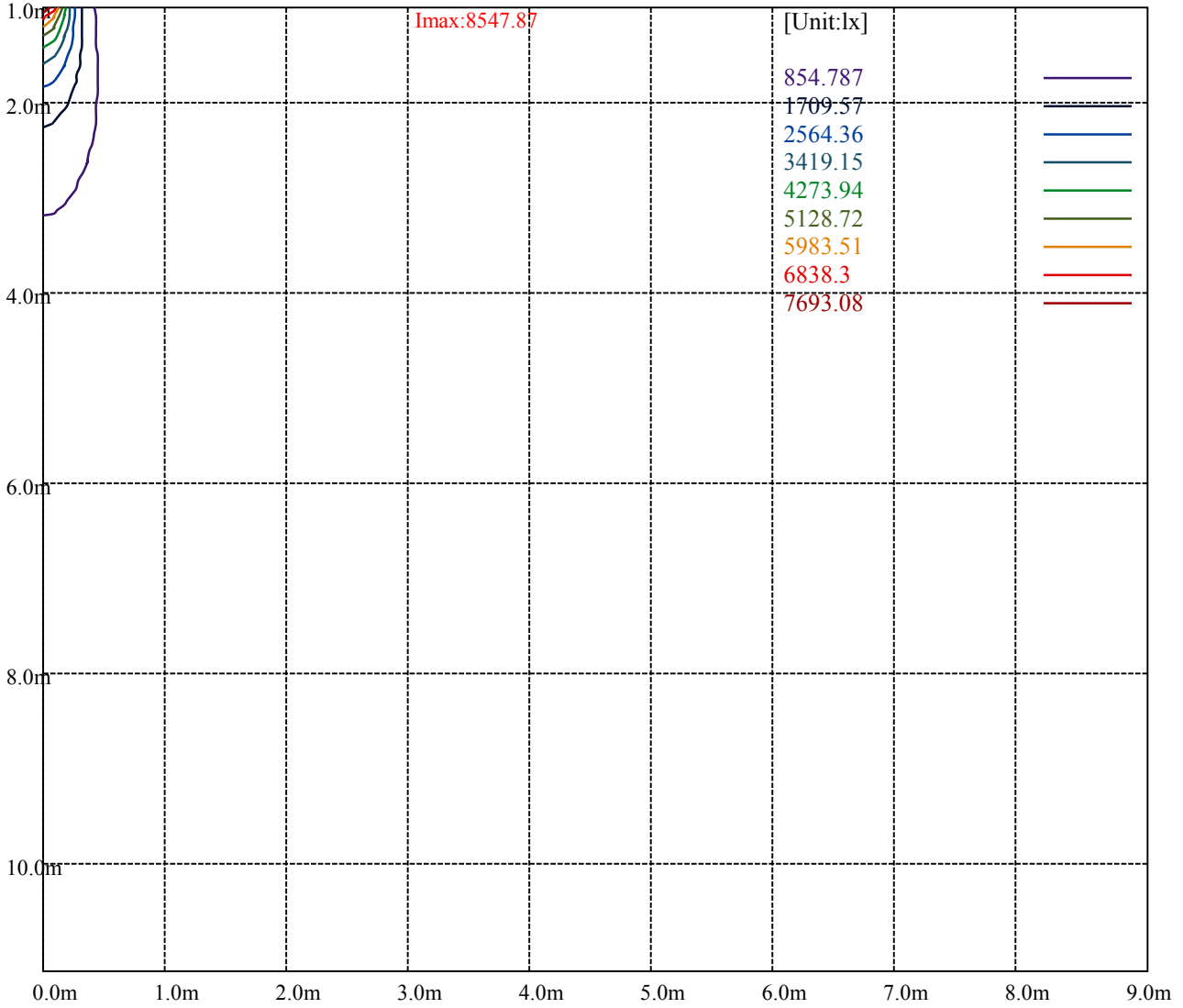
[Unit:cd]

Road

**Imax:8547.87**

(10%Imax) 854.787	—
(20%Imax) 1709.57	—
(30%Imax) 2564.36	—
(40%Imax) 3419.15	—
(50%Imax) 4273.94	—
(60%Imax) 5128.72	—
(70%Imax) 5983.51	—
(80%Imax) 6838.3	—
(90%Imax) 7693.08	—





Luminance Table

$\gamma$	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

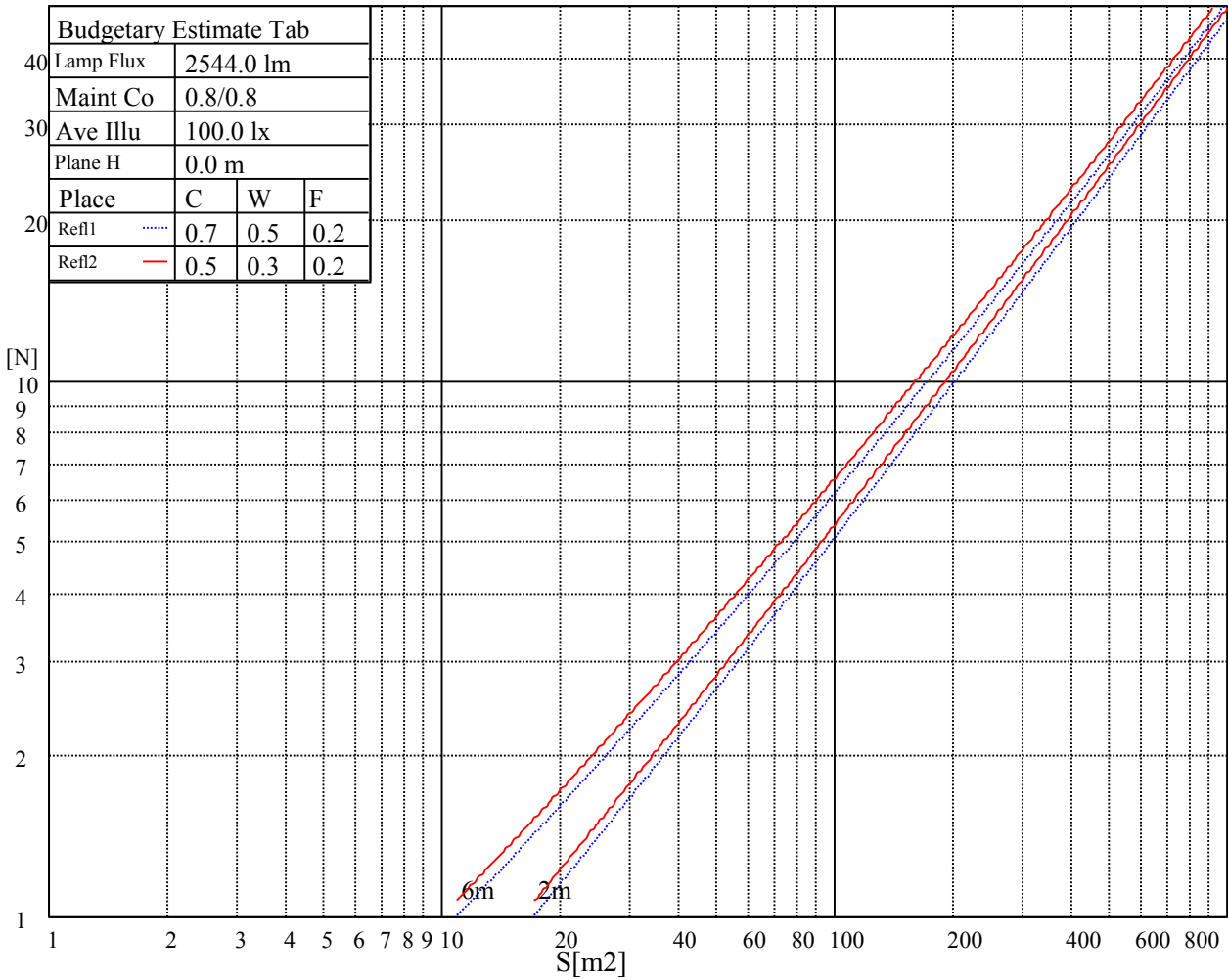
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

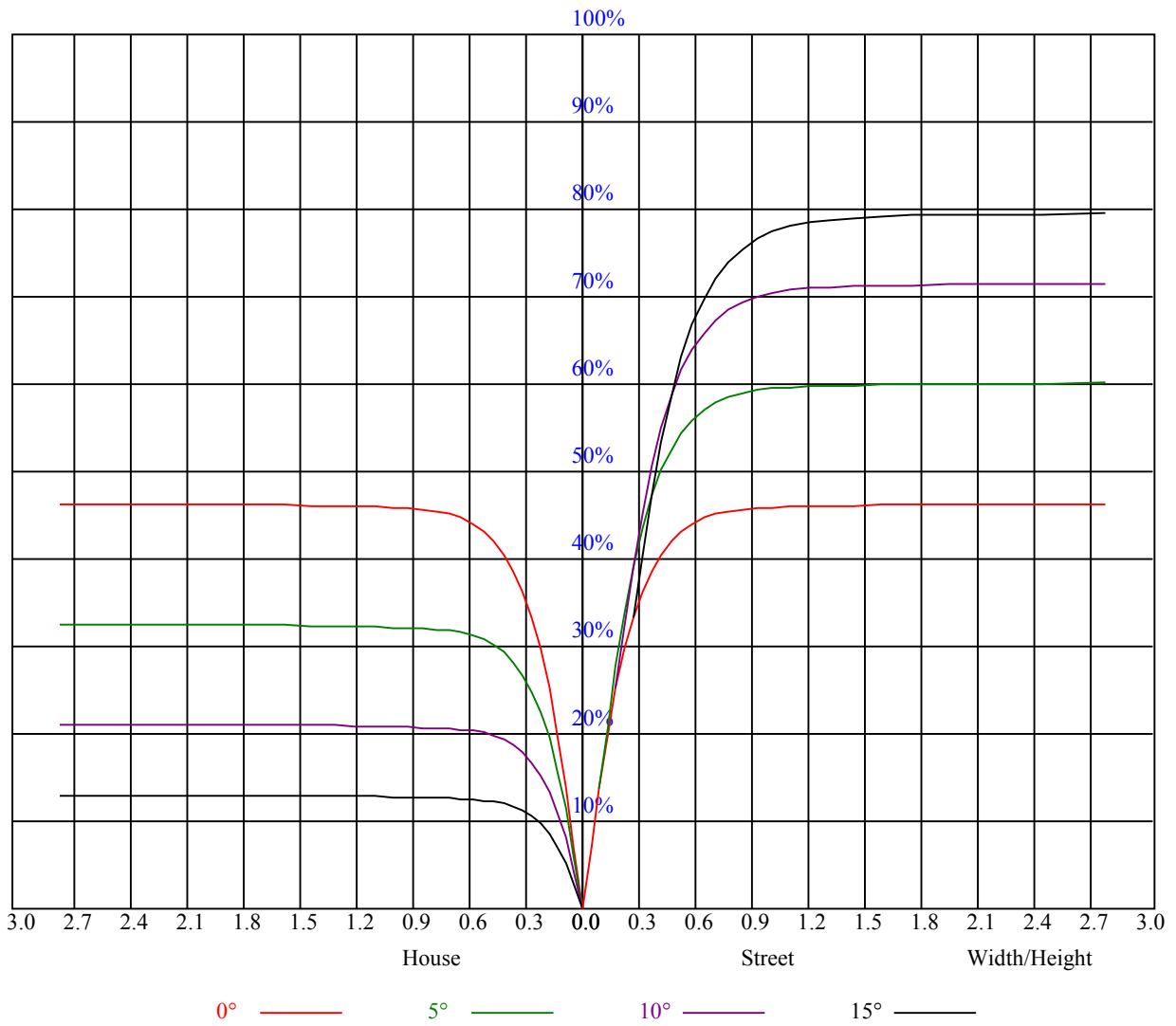


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	
8H	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	
12H	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				

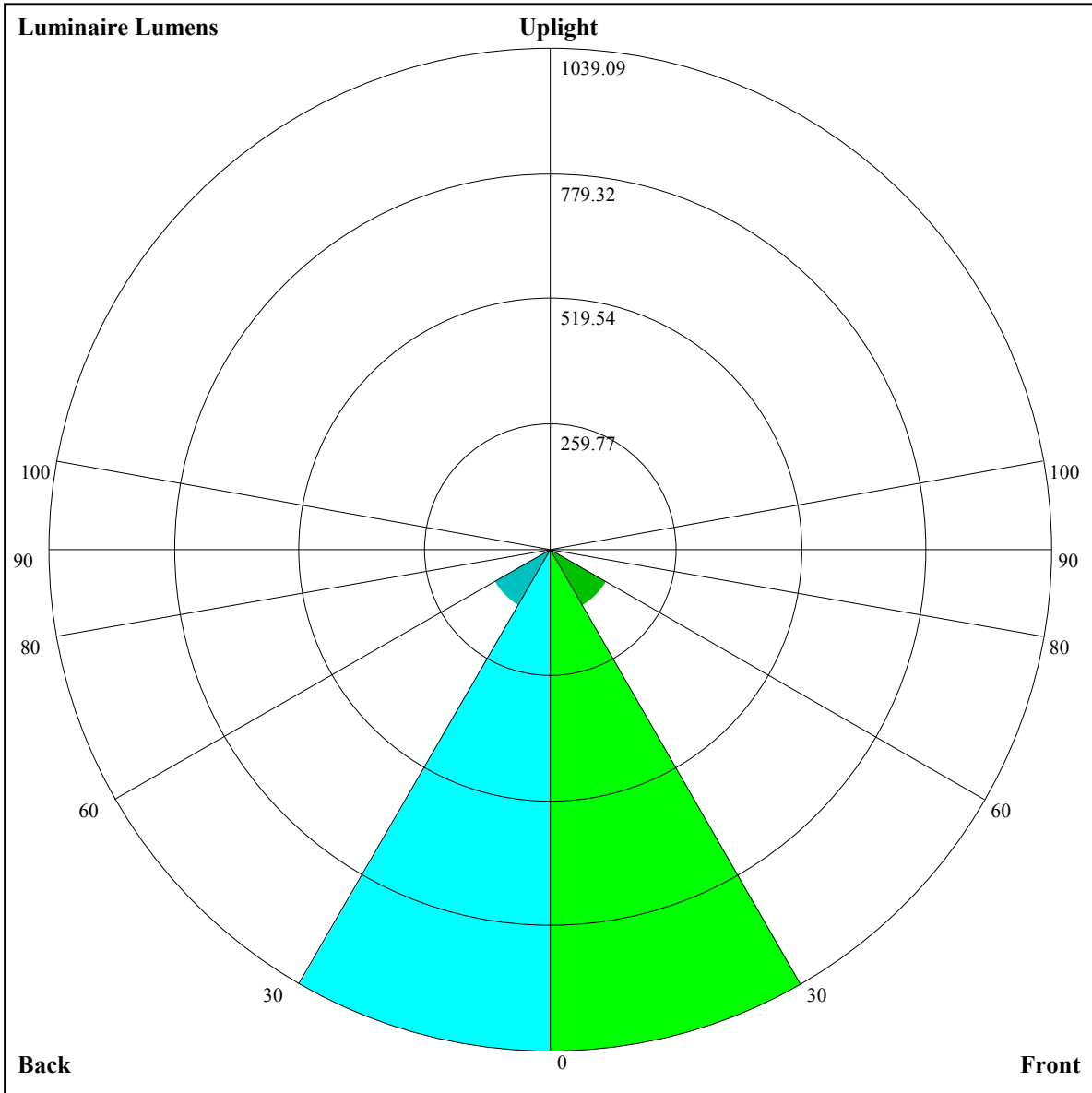
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.11	1.11	1.11	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.98	0.95	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.91	0.89	0.88	0.89	0.87	0.86	0.85
3	0.93	0.90	0.87	0.92	0.89	0.86	0.90	0.87	0.85	0.88	0.85	0.83	0.86	0.84	0.82	0.81
4	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.82	0.79	0.83	0.80	0.79	0.77
5	0.85	0.81	0.77	0.84	0.80	0.77	0.83	0.79	0.77	0.81	0.78	0.76	0.80	0.77	0.75	0.74
6	0.81	0.77	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.71
7	0.78	0.74	0.71	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.68
8	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.66
9	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.64
10	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.68	0.65	0.62	0.61







Luminaire Lumens:

FL=1039.09,FM=134.1,FH=8.15,FVH=0.89

BL=1039.09,BM=134.1,BH=8.15,BVH=0.89

UL=0,UH=0

BUG Rating:B3-U0-G0

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	8547.87	8496.53	8358.09	8154.65	7876.21	7564.20	7142.08	6744.47	6337.53
45.0	8547.87	8496.53	8358.09	8154.65	7876.21	7564.20	7142.08	6744.47	6337.53
90.0	8547.87	8496.53	8358.09	8154.65	7876.21	7564.20	7142.08	6744.47	6337.53
135.0	8547.87	8496.53	8358.09	8154.65	7876.21	7564.20	7142.08	6744.47	6337.53
180.0	8547.87	8496.53	8358.09	8154.65	7876.21	7564.20	7142.08	6744.47	6337.53
225.0	8547.87	8496.53	8358.09	8154.65	7876.21	7564.20	7142.08	6744.47	6337.53
270.0	8547.87	8496.53	8358.09	8154.65	7876.21	7564.20	7142.08	6744.47	6337.53
315.0	8547.87	8496.53	8358.09	8154.65	7876.21	7564.20	7142.08	6744.47	6337.53
360.0	8547.87	8496.53	8358.09	8154.65	7876.21	7564.20	7142.08	6744.47	6337.53
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5899.04	5429.00	4975.90	4489.49	4068.77	3636.68	3258.72	2858.95	2553.07
45.0	5899.04	5429.00	4975.90	4489.49	4068.77	3636.68	3258.72	2858.95	2553.07
90.0	5899.04	5429.00	4975.90	4489.49	4068.77	3636.68	3258.72	2858.95	2553.07
135.0	5899.04	5429.00	4975.90	4489.49	4068.77	3636.68	3258.72	2858.95	2553.07
180.0	5899.04	5429.00	4975.90	4489.49	4068.77	3636.68	3258.72	2858.95	2553.07
225.0	5899.04	5429.00	4975.90	4489.49	4068.77	3636.68	3258.72	2858.95	2553.07
270.0	5899.04	5429.00	4975.90	4489.49	4068.77	3636.68	3258.72	2858.95	2553.07
315.0	5899.04	5429.00	4975.90	4489.49	4068.77	3636.68	3258.72	2858.95	2553.07
360.0	5899.04	5429.00	4975.90	4489.49	4068.77	3636.68	3258.72	2858.95	2553.07
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2266.13	2019.94	1818.66	1643.93	1507.70	1345.61	1234.02	1122.93	1050.21
45.0	2266.13	2019.94	1818.66	1643.93	1507.70	1345.61	1234.02	1122.93	1050.21
90.0	2266.13	2019.94	1818.66	1643.93	1507.70	1345.61	1234.02	1122.93	1050.21
135.0	2266.13	2019.94	1818.66	1643.93	1507.70	1345.61	1234.02	1122.93	1050.21
180.0	2266.13	2019.94	1818.66	1643.93	1507.70	1345.61	1234.02	1122.93	1050.21
225.0	2266.13	2019.94	1818.66	1643.93	1507.70	1345.61	1234.02	1122.93	1050.21
270.0	2266.13	2019.94	1818.66	1643.93	1507.70	1345.61	1234.02	1122.93	1050.21
315.0	2266.13	2019.94	1818.66	1643.93	1507.70	1345.61	1234.02	1122.93	1050.21
360.0	2266.13	2019.94	1818.66	1643.93	1507.70	1345.61	1234.02	1122.93	1050.21
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	945.99	856.13	766.09	674.94	588.00	506.68	422.95	358.79	300.11
45.0	945.99	856.13	766.09	674.94	588.00	506.68	422.95	358.79	300.11
90.0	945.99	856.13	766.09	674.94	588.00	506.68	422.95	358.79	300.11
135.0	945.99	856.13	766.09	674.94	588.00	506.68	422.95	358.79	300.11
180.0	945.99	856.13	766.09	674.94	588.00	506.68	422.95	358.79	300.11
225.0	945.99	856.13	766.09	674.94	588.00	506.68	422.95	358.79	300.11
270.0	945.99	856.13	766.09	674.94	588.00	506.68	422.95	358.79	300.11
315.0	945.99	856.13	766.09	674.94	588.00	506.68	422.95	358.79	300.11
360.0	945.99	856.13	766.09	674.94	588.00	506.68	422.95	358.79	300.11
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	263.46	219.78	185.29	145.07	119.67	98.33	80.49	67.53	55.34
45.0	263.46	219.78	185.29	145.07	119.67	98.33	80.49	67.53	55.34
90.0	263.46	219.78	185.29	145.07	119.67	98.33	80.49	67.53	55.34
135.0	263.46	219.78	185.29	145.07	119.67	98.33	80.49	67.53	55.34
180.0	263.46	219.78	185.29	145.07	119.67	98.33	80.49	67.53	55.34
225.0	263.46	219.78	185.29	145.07	119.67	98.33	80.49	67.53	55.34
270.0	263.46	219.78	185.29	145.07	119.67	98.33	80.49	67.53	55.34
315.0	263.46	219.78	185.29	145.07	119.67	98.33	80.49	67.53	55.34
360.0	263.46	219.78	185.29	145.07	119.67	98.33	80.49	67.53	55.34

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	46.47	39.92	34.87	31.14	28.35	26.29	24.70	23.36	22.25
45.0	46.47	39.92	34.87	31.14	28.35	26.29	24.70	23.36	22.25
90.0	46.47	39.92	34.87	31.14	28.35	26.29	24.70	23.36	22.25
135.0	46.47	39.92	34.87	31.14	28.35	26.29	24.70	23.36	22.25
180.0	46.47	39.92	34.87	31.14	28.35	26.29	24.70	23.36	22.25
225.0	46.47	39.92	34.87	31.14	28.35	26.29	24.70	23.36	22.25
270.0	46.47	39.92	34.87	31.14	28.35	26.29	24.70	23.36	22.25
315.0	46.47	39.92	34.87	31.14	28.35	26.29	24.70	23.36	22.25
360.0	46.47	39.92	34.87	31.14	28.35	26.29	24.70	23.36	22.25
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.22	20.31	19.55	18.68	17.81	16.87	16.01	15.06	13.94
45.0	21.22	20.31	19.55	18.68	17.81	16.87	16.01	15.06	13.94
90.0	21.22	20.31	19.55	18.68	17.81	16.87	16.01	15.06	13.94
135.0	21.22	20.31	19.55	18.68	17.81	16.87	16.01	15.06	13.94
180.0	21.22	20.31	19.55	18.68	17.81	16.87	16.01	15.06	13.94
225.0	21.22	20.31	19.55	18.68	17.81	16.87	16.01	15.06	13.94
270.0	21.22	20.31	19.55	18.68	17.81	16.87	16.01	15.06	13.94
315.0	21.22	20.31	19.55	18.68	17.81	16.87	16.01	15.06	13.94
360.0	21.22	20.31	19.55	18.68	17.81	16.87	16.01	15.06	13.94
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.00	12.10	11.19	10.29	9.51	8.70	8.02	7.38	6.68
45.0	13.00	12.10	11.19	10.29	9.51	8.70	8.02	7.38	6.68
90.0	13.00	12.10	11.19	10.29	9.51	8.70	8.02	7.38	6.68
135.0	13.00	12.10	11.19	10.29	9.51	8.70	8.02	7.38	6.68
180.0	13.00	12.10	11.19	10.29	9.51	8.70	8.02	7.38	6.68
225.0	13.00	12.10	11.19	10.29	9.51	8.70	8.02	7.38	6.68
270.0	13.00	12.10	11.19	10.29	9.51	8.70	8.02	7.38	6.68
315.0	13.00	12.10	11.19	10.29	9.51	8.70	8.02	7.38	6.68
360.0	13.00	12.10	11.19	10.29	9.51	8.70	8.02	7.38	6.68
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.07	5.51	5.03	4.65	4.22	3.87	3.54	3.19	2.88
45.0	6.07	5.51	5.03	4.65	4.22	3.87	3.54	3.19	2.88
90.0	6.07	5.51	5.03	4.65	4.22	3.87	3.54	3.19	2.88
135.0	6.07	5.51	5.03	4.65	4.22	3.87	3.54	3.19	2.88
180.0	6.07	5.51	5.03	4.65	4.22	3.87	3.54	3.19	2.88
225.0	6.07	5.51	5.03	4.65	4.22	3.87	3.54	3.19	2.88
270.0	6.07	5.51	5.03	4.65	4.22	3.87	3.54	3.19	2.88
315.0	6.07	5.51	5.03	4.65	4.22	3.87	3.54	3.19	2.88
360.0	6.07	5.51	5.03	4.65	4.22	3.87	3.54	3.19	2.88
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.58	2.32	2.00	1.76	1.54	1.35	1.16	0.98	0.80
45.0	2.58	2.32	2.00	1.76	1.54	1.35	1.16	0.98	0.80
90.0	2.58	2.32	2.00	1.76	1.54	1.35	1.16	0.98	0.80
135.0	2.58	2.32	2.00	1.76	1.54	1.35	1.16	0.98	0.80
180.0	2.58	2.32	2.00	1.76	1.54	1.35	1.16	0.98	0.80
225.0	2.58	2.32	2.00	1.76	1.54	1.35	1.16	0.98	0.80
270.0	2.58	2.32	2.00	1.76	1.54	1.35	1.16	0.98	0.80
315.0	2.58	2.32	2.00	1.76	1.54	1.35	1.16	0.98	0.80
360.0	2.58	2.32	2.00	1.76	1.54	1.35	1.16	0.98	0.80

Intensity data(cd)

C/ $\gamma$ (°)	90.0
0.0	0.69
45.0	0.69
90.0	0.69
135.0	0.69
180.0	0.69
225.0	0.69
270.0	0.69
315.0	0.69
360.0	0.69