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NT

Client:

LumCAT: 2-2684-L

Luminaire: 92.70.412.00

Report No: 2024308-B024

Ballast type: AC

Test No: 2024308-C024

Voltage(V): 34.640

LampCAT: BRIDGELUX V13B LES13

Current(A): 0.450

Lamp flux(lm): 2653.0

Power (W): 15.588

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2258.67, Efficiency(%): 85.14% , Luminous Efficacy(lm/W): 144.90

Central intensity(cd): 5237.384, Maximum intensity(cd): 5237.384

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

Beam Angle(50%Imax): [C0/180]Total=34.4

[C90/270]Total=34.4

Field angle(10%Imax): [C0/180]Total=64.6

[C90/270]Total=64.6

Maximum s/h(1/2): C0\_180=0.56 C90\_270=0.56

Maximum s/h(1/4): C0\_180=0.59 C90\_270=0.59

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.14%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.998%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/3/8  
Humidity(%): 60.0%

Operator: NT07  
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5237.383	0.000	0	0.00%	0.00%
1.0	5217.339	5.002	5.002	0.19%	0.22%
2.0	5162.767	14.899	19.901	0.56%	0.88%
3.0	5083.981	24.507	44.408	0.92%	1.97%
4.0	4984.347	33.702	78.11	1.27%	3.46%
5.0	4874.544	42.412	120.522	1.60%	5.34%
6.0	4747.623	50.567	171.089	1.91%	7.57%
7.0	4611.851	58.094	229.183	2.19%	10.15%
8.0	4467.739	64.981	294.164	2.45%	13.02%
9.0	4295.171	71.019	365.183	2.68%	16.17%
10.0	4130.430	76.249	441.431	2.87%	19.54%
11.0	3943.158	80.672	522.103	3.04%	23.12%
12.0	3750.912	84.107	606.21	3.17%	26.84%
13.0	3528.307	86.386	692.596	3.26%	30.66%
14.0	3303.580	87.448	780.044	3.30%	34.54%
15.0	3090.120	87.776	867.819	3.31%	38.42%
16.0	2883.901	87.536	955.356	3.30%	42.30%
17.0	2664.515	86.404	1041.759	3.26%	46.12%
18.0	2474.609	84.733	1126.492	3.19%	49.87%
19.0	2298.164	83.036	1209.529	3.13%	53.55%
20.0	2127.205	80.997	1290.525	3.05%	57.14%
21.0	1960.635	78.495	1369.02	2.96%	60.61%
22.0	1801.308	75.598	1444.618	2.85%	63.96%
23.0	1631.263	72.025	1516.643	2.71%	67.15%
24.0	1481.680	68.060	1584.703	2.57%	70.16%
25.0	1336.690	64.084	1648.786	2.42%	73.00%
26.0	1210.004	60.115	1708.901	2.27%	75.66%
27.0	1107.582	56.700	1765.602	2.14%	78.17%
28.0	990.676	53.123	1818.725	2.00%	80.52%
29.0	878.357	48.899	1867.624	1.84%	82.69%
30.0	751.305	44.001	1911.625	1.66%	84.63%
31.0	650.426	39.008	1950.633	1.47%	86.36%
32.0	548.787	34.356	1984.989	1.29%	87.88%
33.0	462.138	29.782	2014.771	1.12%	89.20%
34.0	380.382	25.497	2040.268	0.96%	90.33%
35.0	318.384	21.701	2061.969	0.82%	91.29%
36.0	278.362	19.001	2080.97	0.72%	92.13%
37.0	234.653	16.732	2097.702	0.63%	92.87%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	197.806	14.435	2112.137	0.54%	93.51%
39.0	157.257	12.119	2124.256	0.46%	94.05%
40.0	127.681	9.938	2134.193	0.37%	94.49%
41.0	108.362	8.405	2142.599	0.32%	94.86%
42.0	91.332	7.255	2149.854	0.27%	95.18%
43.0	78.903	6.306	2156.16	0.24%	95.46%
44.0	68.735	5.572	2161.732	0.21%	95.71%
45.0	60.381	4.962	2166.694	0.19%	95.93%
46.0	54.192	4.481	2171.175	0.17%	96.13%
47.0	49.130	4.109	2175.284	0.15%	96.31%
48.0	45.582	3.829	2179.113	0.14%	96.48%
49.0	42.480	3.616	2182.729	0.14%	96.64%
50.0	39.737	3.428	2186.157	0.13%	96.79%
51.0	37.345	3.261	2189.419	0.12%	96.93%
52.0	35.296	3.117	2192.536	0.12%	97.07%
53.0	33.424	2.989	2195.525	0.11%	97.20%
54.0	31.683	2.870	2198.395	0.11%	97.33%
55.0	30.073	2.757	2201.151	0.10%	97.45%
56.0	28.559	2.649	2203.801	0.10%	97.57%
57.0	27.250	2.552	2206.352	0.10%	97.68%
58.0	25.882	2.457	2208.809	0.09%	97.79%
59.0	24.726	2.366	2211.175	0.09%	97.90%
60.0	23.636	2.285	2213.46	0.09%	98.00%
61.0	22.582	2.206	2215.666	0.08%	98.10%
62.0	21.631	2.130	2217.796	0.08%	98.19%
63.0	20.783	2.063	2219.859	0.08%	98.28%
64.0	19.920	1.997	2221.856	0.08%	98.37%
65.0	19.159	1.934	2223.79	0.07%	98.46%
66.0	18.427	1.875	2225.665	0.07%	98.54%
67.0	17.725	1.818	2227.483	0.07%	98.62%
68.0	17.111	1.765	2229.248	0.07%	98.70%
69.0	16.547	1.717	2230.965	0.06%	98.77%
70.0	16.013	1.672	2232.637	0.06%	98.85%
71.0	15.494	1.628	2234.266	0.06%	98.92%
72.0	14.982	1.585	2235.85	0.06%	98.99%
73.0	14.528	1.543	2237.393	0.06%	99.06%
74.0	14.104	1.505	2238.899	0.06%	99.12%
75.0	13.709	1.470	2240.368	0.06%	99.19%

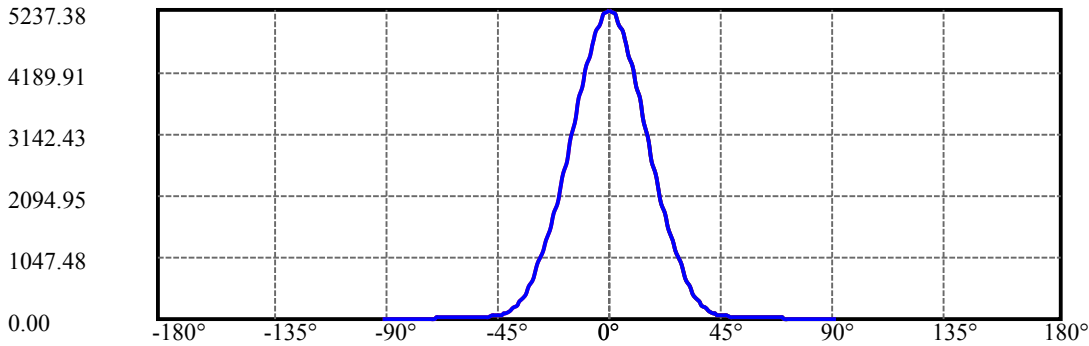
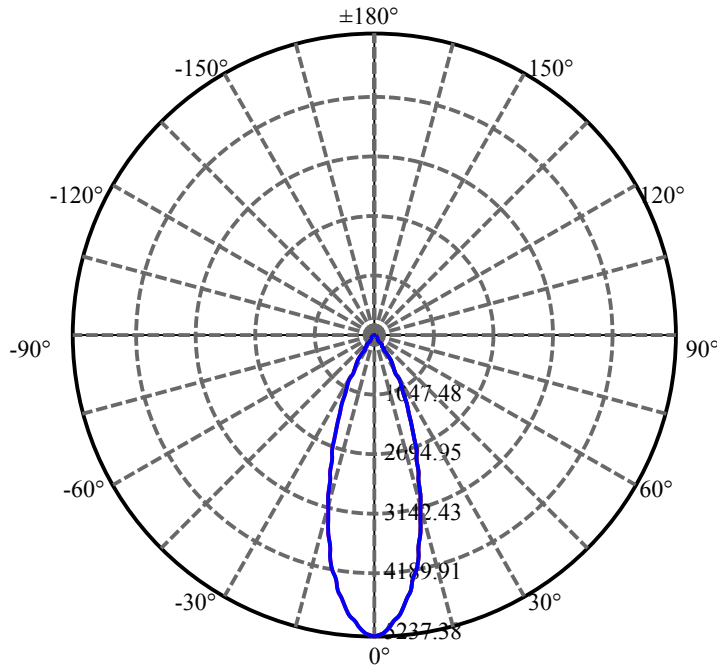
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.350	1.436	2241.805	0.05%	99.25%
77.0	12.970	1.403	2243.208	0.05%	99.32%
78.0	12.641	1.371	2244.579	0.05%	99.38%
79.0	12.304	1.340	2245.919	0.05%	99.44%
80.0	11.946	1.307	2247.227	0.05%	99.49%
81.0	11.609	1.274	2248.5	0.05%	99.55%
82.0	11.288	1.242	2249.742	0.05%	99.60%
83.0	10.966	1.210	2250.952	0.05%	99.66%
84.0	10.651	1.178	2252.129	0.04%	99.71%
85.0	10.344	1.146	2253.275	0.04%	99.76%
86.0	10.117	1.118	2254.394	0.04%	99.81%
87.0	9.898	1.095	2255.489	0.04%	99.86%
88.0	9.729	1.075	2256.564	0.04%	99.91%
89.0	9.598	1.059	2257.624	0.04%	99.95%
90.0	9.554	1.050	2258.674	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1911.62	72.06%	84.63%
0-40	2134.19	80.44%	94.49%
0-60	2213.46	83.43%	98.00%
0-90	2257.62	85.10%	99.95%
0-120	2257.62	85.10%	99.95%
0-180	2258.67	85.14%	100.00%
60-90	44.16	1.66%	1.96%
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%
0-27.78	1806.94	68.11%	80.00%

ZONAL LUMEN SUMMARY

0-10	441.43
10-20	849.09
20-30	621.10
30-40	222.57
40-50	51.96
50-60	27.30
60-70	19.18
70-80	14.59
80-90	10.40
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: —————

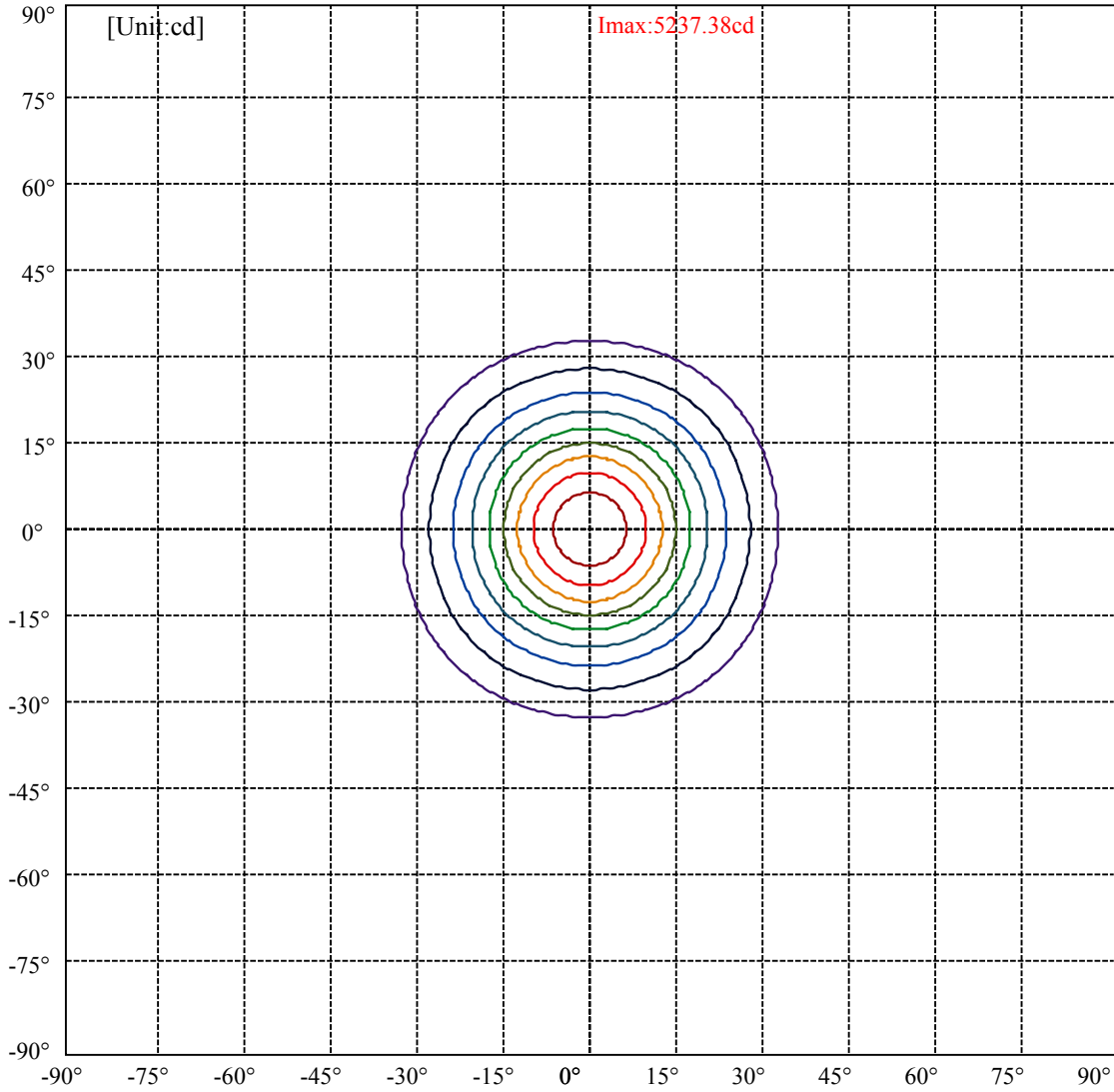
Field angle(10%Imax):C0/180Left:32.3 Right:32.3

:C90/270Left:32.3 Right:32.3

Beam Angle(50%Imax):C0/180Left:17.2 Right:17.2

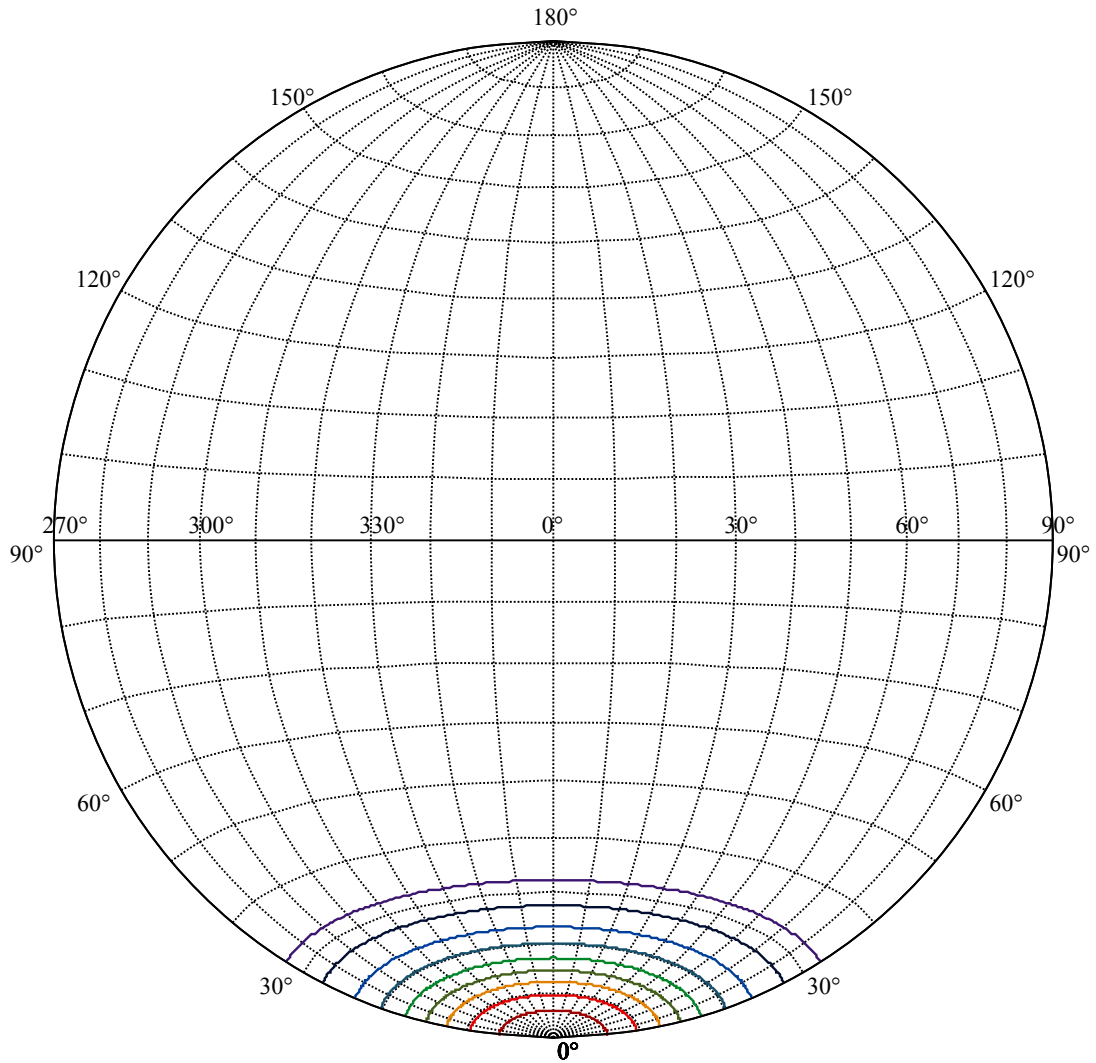
:C90/270Left:17.2 Right:17.2





(10%Imax) 523.738	—
(20%Imax) 1047.48	—
(30%Imax) 1571.22	—
(40%Imax) 2094.95	—
(50%Imax) 2618.69	—
(60%Imax) 3142.43	—
(70%Imax) 3666.17	—
(80%Imax) 4189.91	—
(90%Imax) 4713.65	—





House

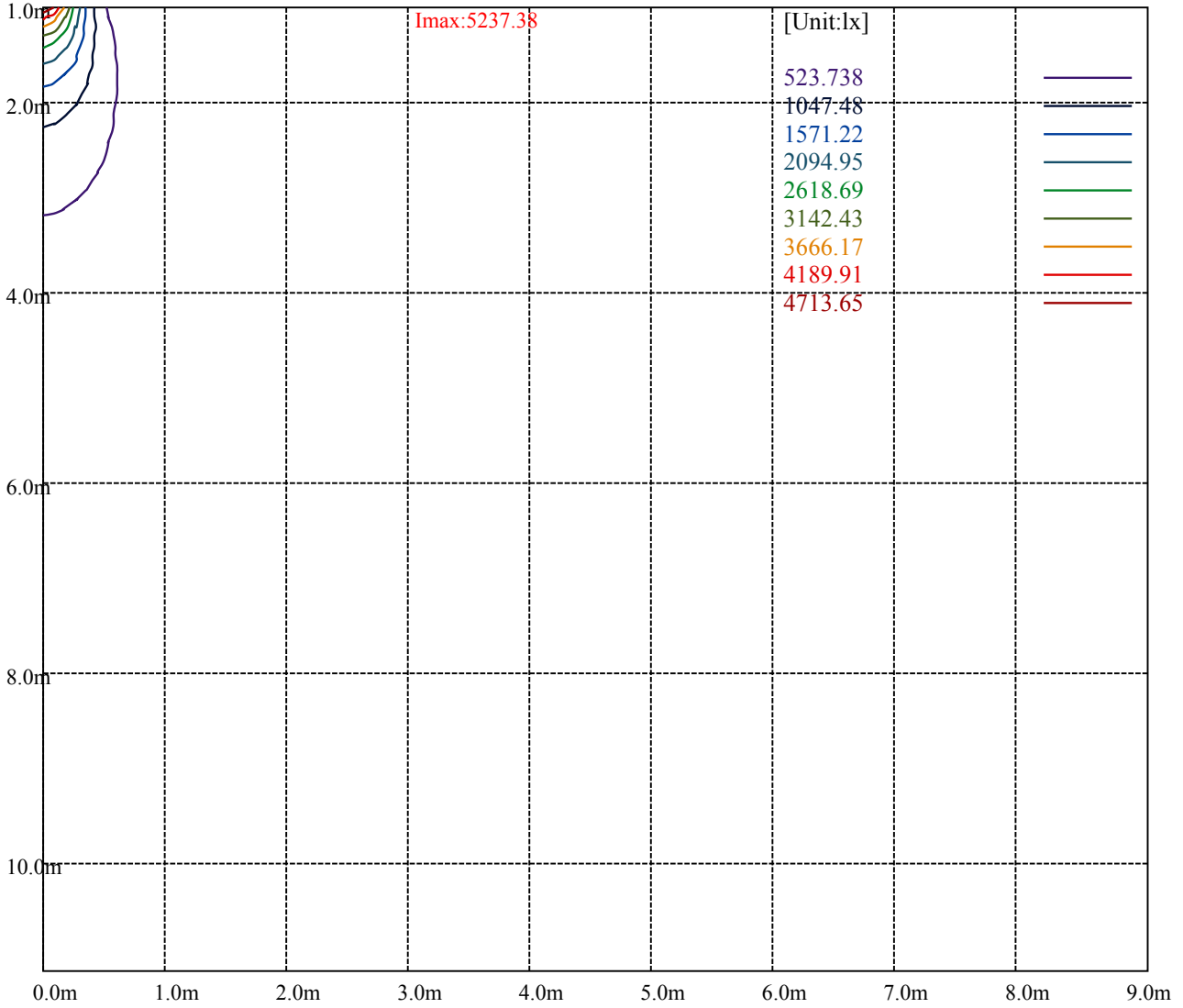
[Unit:cd]

Road

**Imax:5237.38**

- (10%Imax) 523.738
- (20%Imax) 1047.48
- (30%Imax) 1571.22
- (40%Imax) 2094.95
- (50%Imax) 2618.69
- (60%Imax) 3142.43
- (70%Imax) 3666.17
- (80%Imax) 4189.91
- (90%Imax) 4713.65





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

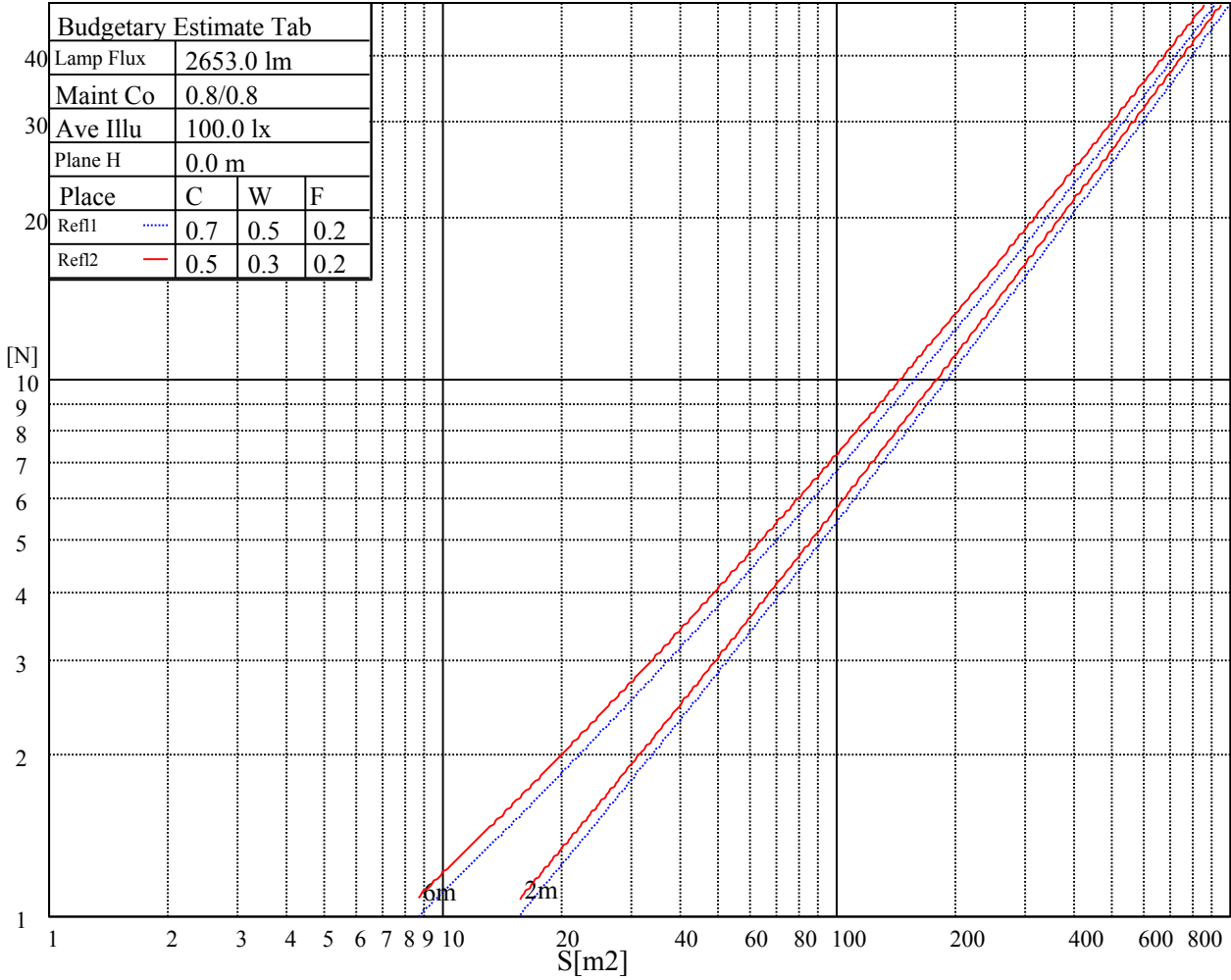
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

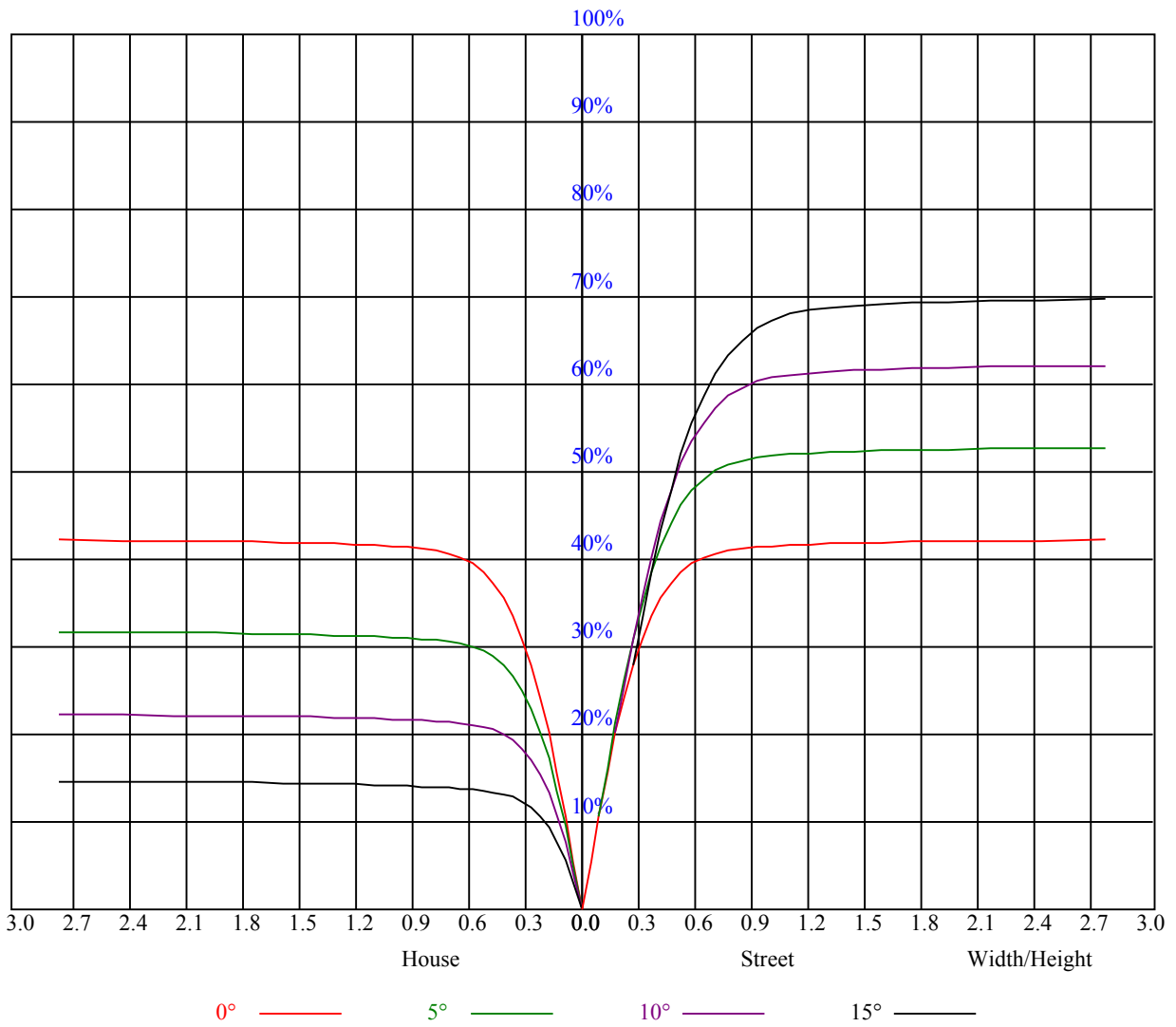


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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

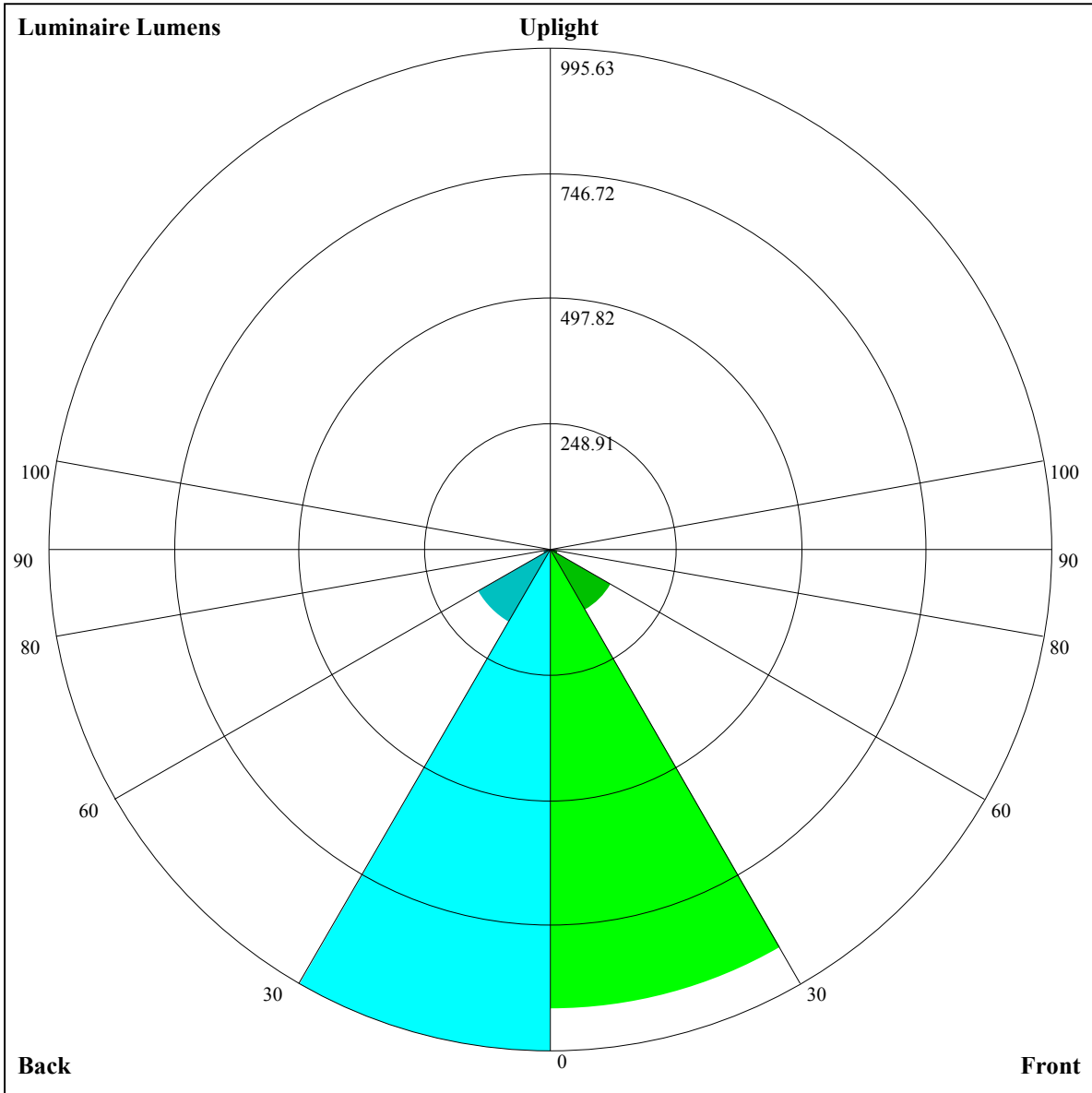
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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 RHOF=20 CU															
0	1.01	1.01	1.01	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.85
1	0.95	0.93	0.91	0.93	0.91	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.80
2	0.89	0.86	0.83	0.87	0.85	0.82	0.85	0.82	0.80	0.82	0.80	0.79	0.80	0.78	0.77	0.76
3	0.84	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.72
4	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.73	0.71	0.75	0.72	0.70	0.74	0.71	0.69	0.68
5	0.75	0.71	0.68	0.75	0.71	0.67	0.73	0.70	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
6	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.62
7	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.59
8	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.56
9	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.58	0.55	0.52	0.52







Luminaire Lumens:

FL=913.42,FM=138.02,FH=16.51,FVH=5.65

BL=995.63,BM=165.79,BH=17.27,BVH=5.8

UL=0,UH=0

BUG Rating:B2-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	5215.00	5120.19	5016.02	4884.93	4755.01	4618.65	4430.21	4273.96	4110.09
45.0	5260.06	5225.53	5148.87	5048.79	4927.07	4815.88	4691.22	4515.65	4364.08
90.0	5219.68	5153.55	5042.94	4958.08	4859.77	4738.04	4567.74	4427.87	4276.88
135.0	5254.79	5221.44	5170.52	5090.35	4989.10	4897.81	4787.78	4665.47	4507.46
180.0	5215.00	5264.16	5254.79	5214.41	5164.08	5067.52	4987.35	4900.15	4789.54
225.0	5260.06	5242.50	5196.86	5129.56	5040.02	4937.60	4838.70	4722.82	4592.32
270.0	5219.68	5254.21	5254.21	5214.41	5138.33	5023.63	4933.51	4794.22	4662.55
315.0	5254.79	5257.13	5217.92	5131.31	5001.39	4897.22	4744.48	4594.66	4438.99
360.0	5215.00	5120.19	5016.02	4884.93	4755.01	4618.65	4430.21	4273.96	4110.09

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3898.24	3713.90	3520.19	3310.09	3042.06	2836.06	2637.67	2454.49	2250.25
45.0	4168.62	4003.58	3832.11	3648.94	3394.36	3183.68	2972.42	2766.42	2527.06
90.0	4119.46	3898.24	3703.36	3501.46	3241.03	3030.35	2782.80	2596.70	2422.30
135.0	4366.42	4214.85	4041.04	3797.00	3600.36	3339.94	3131.01	2928.52	2684.49
180.0	4639.14	4508.63	4327.21	4172.71	4000.07	3756.03	3543.60	3339.94	3090.63
225.0	4415.00	4266.35	4061.52	3880.69	3687.56	3431.23	3227.57	3023.92	2823.18
270.0	4522.68	4371.10	4168.62	3995.39	3807.53	3608.56	3393.78	3128.67	2923.84
315.0	4231.82	4066.79	3891.22	3701.02	3453.47	3242.79	3032.11	2832.55	2694.36
360.0	3898.24	3713.90	3520.19	3310.09	3042.06	2836.06	2637.67	2454.49	2250.25

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2101.60	1953.54	1769.78	1629.91	1495.31	1157.93	1157.93	1071.61	960.30
45.0	2355.59	2196.41	2048.93	1861.07	1718.86	1581.34	1418.64	1293.41	1141.83
90.0	2220.99	2062.39	1904.97	1763.34	1590.11	1457.85	1142.53	1142.53	1082.84
135.0	2500.72	2332.18	2172.41	1979.87	1833.57	1694.87	1559.10	1394.65	1266.49
180.0	2895.75	2693.26	2500.14	2328.67	2134.37	1978.70	1826.55	1658.59	1528.08
225.0	2583.24	2404.75	2243.23	2090.48	1900.87	1760.42	1622.89	1464.88	1156.70
270.0	2726.62	2497.21	2328.67	2128.52	1974.61	1823.03	1655.66	1526.33	1402.26
315.0	2412.36	2245.57	2049.52	1903.21	1762.76	1595.97	1470.14	1141.54	1141.54
360.0	2101.60	1953.54	1769.78	1629.91	1495.31	1157.93	1157.93	1071.61	960.30

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	850.39	745.93	642.58	520.97	437.63	367.64	310.05	250.42	211.73
45.0	1024.79	912.42	777.24	670.14	571.82	481.11	387.48	329.54	303.21
90.0	941.80	833.13	728.20	597.69	503.35	401.46	338.85	287.76	234.27
135.0	1145.34	1002.55	894.87	760.85	653.75	552.51	461.80	374.02	317.84
180.0	1371.83	1249.51	1131.30	989.09	880.24	768.46	662.53	533.78	444.83
225.0	1156.70	1070.20	959.07	817.97	711.46	604.13	508.50	422.18	342.47
270.0	1284.04	1134.81	1022.45	913.59	807.67	674.24	575.33	480.53	383.97
315.0	1085.77	976.86	871.17	740.13	637.49	540.75	452.55	364.83	308.76
360.0	850.39	745.93	642.58	520.97	437.63	367.64	310.05	250.42	211.73

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	171.76	144.26	121.67	100.01	86.03	74.56	63.44	56.94	51.73
45.0	303.21	188.21	158.42	133.37	109.55	94.10	78.83	69.17	61.51
90.0	198.98	168.14	142.15	121.14	100.07	86.15	75.14	65.84	57.53
135.0	304.96	304.96	181.24	153.33	130.33	111.37	92.06	79.65	69.64
180.0	374.02	317.84	304.96	247.96	182.94	155.38	126.76	108.50	93.69
225.0	289.51	245.56	199.80	169.72	143.97	117.92	100.78	87.26	73.68
270.0	324.27	298.52	298.52	185.46	149.76	126.64	107.62	92.11	79.24
315.0	260.19	209.74	175.68	147.07	118.80	100.78	86.03	71.75	62.85
360.0	171.76	144.26	121.67	100.01	86.03	74.56	63.44	56.94	51.73

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	47.52	43.37	40.79	38.51	36.46	34.24	32.60	31.08	29.32
45.0	55.71	49.98	46.29	43.25	40.32	37.40	35.52	33.83	32.13
90.0	52.32	47.23	44.07	40.85	38.62	36.69	34.88	32.71	31.13
135.0	60.10	54.60	49.28	45.88	42.96	39.62	37.63	35.76	33.94
180.0	79.06	69.58	60.63	55.42	50.86	47.17	43.31	40.56	38.22
225.0	65.02	58.46	52.20	48.34	45.06	42.25	39.15	37.10	35.23
270.0	67.24	59.52	53.90	49.51	45.12	42.19	39.68	37.10	35.23
315.0	56.06	50.80	45.88	42.90	40.44	38.33	35.99	34.24	32.19
360.0	47.52	43.37	40.79	38.51	36.46	34.24	32.60	31.08	29.32
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.97	26.74	25.40	24.35	23.06	22.24	21.48	20.60	19.78
45.0	30.31	28.91	27.33	26.16	25.05	23.70	22.71	21.83	20.78
90.0	29.73	28.27	26.69	25.57	24.46	23.41	22.24	21.42	20.42
135.0	31.95	30.55	29.14	27.80	26.22	25.11	23.99	22.77	21.89
180.0	36.28	33.94	32.30	30.78	28.97	27.62	26.39	25.05	23.88
225.0	33.47	31.43	29.96	28.56	26.92	25.75	24.35	23.29	22.36
270.0	33.07	31.43	29.96	28.32	27.04	25.87	24.81	23.47	22.53
315.0	30.67	29.32	27.68	26.45	25.34	24.11	23.12	22.24	21.42
360.0	27.97	26.74	25.40	24.35	23.06	22.24	21.48	20.60	19.78
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.02	18.38	17.73	17.09	16.50	15.98	15.39	14.92	14.51
45.0	20.01	19.31	18.61	17.79	17.15	16.62	16.15	15.57	15.04
90.0	19.84	18.96	18.14	17.50	16.91	16.39	15.86	15.33	14.81
135.0	21.07	20.01	19.31	18.67	17.85	17.21	16.68	16.21	15.57
180.0	22.94	21.77	20.89	20.01	19.14	18.49	17.85	17.21	16.68
225.0	21.30	20.42	19.61	18.96	18.32	17.50	16.91	16.44	15.98
270.0	21.71	20.89	20.01	19.08	18.43	17.73	17.09	16.56	15.98
315.0	20.37	19.61	18.96	18.32	17.50	16.97	16.44	15.86	15.39
360.0	19.02	18.38	17.73	17.09	16.50	15.98	15.39	14.92	14.51
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.05	13.69	13.34	12.93	12.64	12.29	11.94	11.59	11.29
45.0	14.63	14.16	13.75	13.34	12.99	12.70	12.41	12.06	11.70
90.0	14.46	13.99	13.64	13.28	12.93	12.58	12.23	11.76	11.59
135.0	15.04	14.57	14.28	13.81	13.46	13.05	12.76	12.47	11.94
180.0	16.09	15.63	14.98	14.57	14.16	13.75	13.34	13.05	12.64
225.0	15.33	14.86	14.34	13.99	13.64	13.17	12.93	12.58	12.17
270.0	15.51	14.98	14.46	14.10	13.75	13.34	12.93	12.70	12.41
315.0	14.75	14.34	14.05	13.64	13.23	12.87	12.58	12.23	11.82
360.0	14.05	13.69	13.34	12.93	12.64	12.29	11.94	11.59	11.29
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.94	10.59	10.42	10.12	9.89	9.83	9.54	9.60	9.60
45.0	11.41	11.00	10.59	10.42	10.24	9.89	9.77	9.48	9.48
90.0	11.24	10.83	10.48	10.30	10.01	9.89	9.71	9.48	9.48
135.0	11.65	11.47	11.00	10.53	10.30	10.12	9.89	9.77	9.54
180.0	12.29	11.88	11.70	11.47	10.94	10.53	10.30	10.07	9.89
225.0	11.82	11.59	11.35	10.83	10.48	10.24	10.01	9.83	9.66
270.0	12.00	11.70	11.35	11.00	10.53	10.30	10.12	9.89	9.66
315.0	11.53	11.24	10.83	10.53	10.36	10.12	9.83	9.71	9.48
360.0	10.94	10.59	10.42	10.12	9.89	9.83	9.54	9.60	9.60

Intensity data(cd)

C/γ(°)	90.0
0.0	9.60
45.0	9.54
90.0	9.54
135.0	9.48
180.0	9.71
225.0	9.54
270.0	9.48
315.0	9.54
360.0	9.60