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## Nata

Client:

LumCAT: 2-2763-L

Luminaire: 92.70.411.00

Report No: 2024827-B021

Ballast type: AC

Test No: 2024827-C021

Voltage(V): 35.280

LampCAT: Fortimo\_SLM\_C\_1205

Current(A): 0.403

Lamp flux(lm): 2294.0

Power (W): 14.210

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): 2142.78, Efficiency(%): 93.41% , Luminous Efficacy(lm/W): 150.79

Central intensity(cd): 3336.300, Maximum intensity(cd): 3336.300

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

Beam Angle(50%Imax): [C0/180]Total=48.6

[C90/270]Total=48.6

Field angle(10%Imax): [C0/180]Total=72.8

[C90/270]Total=72.8

Maximum s/h(1/2): C0\_180=0.76 C90\_270=0.76

Maximum s/h(1/4): C0\_180=0.77 C90\_270=0.77

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.41%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 99.367%

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Equipment: GMS 1800  
Temperature(°C): 25.0

Date: 2024/8/27  
Humidity(%): 60.0%

Operator: NT  
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3336.300	0.000	0	0.00%	0.00%
1.0	3333.185	3.191	3.191	0.14%	0.15%
2.0	3323.428	9.554	12.745	0.42%	0.59%
3.0	3309.841	15.865	28.61	0.69%	1.34%
4.0	3296.957	22.115	50.725	0.96%	2.37%
5.0	3271.956	28.259	78.984	1.23%	3.69%
6.0	3245.064	34.249	113.233	1.49%	5.28%
7.0	3210.662	40.071	153.303	1.75%	7.15%
8.0	3161.135	45.602	198.905	1.99%	9.28%
9.0	3111.562	50.837	249.742	2.22%	11.66%
10.0	3060.162	55.852	305.594	2.43%	14.26%
11.0	3002.639	60.580	366.174	2.64%	17.09%
12.0	2938.487	64.945	431.119	2.83%	20.12%
13.0	2870.090	68.933	500.052	3.00%	23.34%
14.0	2790.918	72.460	572.512	3.16%	26.72%
15.0	2702.324	75.414	647.926	3.29%	30.24%
16.0	2613.940	77.898	725.824	3.40%	33.87%
17.0	2495.615	79.569	805.394	3.47%	37.59%
18.0	2396.646	80.663	886.056	3.52%	41.35%
19.0	2277.908	81.328	967.384	3.55%	45.15%
20.0	2156.790	81.167	1048.551	3.54%	48.93%
21.0	2035.680	80.504	1129.055	3.51%	52.69%
22.0	1921.107	79.513	1208.569	3.47%	56.40%
23.0	1806.199	78.209	1286.777	3.41%	60.05%
24.0	1690.515	76.451	1363.228	3.33%	63.62%
25.0	1603.038	74.888	1438.116	3.26%	67.11%
26.0	1493.636	73.097	1511.214	3.19%	70.53%
27.0	1366.316	69.969	1581.183	3.05%	73.79%
28.0	1268.182	66.700	1647.883	2.91%	76.90%
29.0	1180.606	64.067	1711.95	2.79%	79.89%
30.0	1070.501	60.779	1772.73	2.65%	82.73%
31.0	956.769	56.416	1829.146	2.46%	85.36%
32.0	829.035	51.161	1880.307	2.23%	87.75%
33.0	708.726	45.303	1925.61	1.97%	89.86%
34.0	579.764	38.994	1964.603	1.70%	91.68%
35.0	464.035	32.417	1997.02	1.41%	93.20%
36.0	363.627	26.353	2023.373	1.15%	94.43%
37.0	278.049	20.928	2044.301	0.91%	95.40%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	214.586	16.444	2060.744	0.72%	96.17%
39.0	156.847	12.678	2073.422	0.55%	96.76%
40.0	108.614	9.258	2082.681	0.40%	97.20%
41.0	78.496	6.663	2089.343	0.29%	97.51%
42.0	63.732	5.167	2094.511	0.23%	97.75%
43.0	52.622	4.310	2098.821	0.19%	97.95%
44.0	44.139	3.652	2102.473	0.16%	98.12%
45.0	38.502	3.176	2105.649	0.14%	98.27%
46.0	33.331	2.809	2108.458	0.12%	98.40%
47.0	29.008	2.479	2110.938	0.11%	98.51%
48.0	25.486	2.203	2113.14	0.10%	98.62%
49.0	22.615	1.975	2115.116	0.09%	98.71%
50.0	20.269	1.788	2116.904	0.08%	98.79%
51.0	18.357	1.634	2118.538	0.07%	98.87%
52.0	16.840	1.510	2120.048	0.07%	98.94%
53.0	15.427	1.404	2121.452	0.06%	99.00%
54.0	14.428	1.316	2122.768	0.06%	99.07%
55.0	13.305	1.238	2124.006	0.05%	99.12%
56.0	12.306	1.157	2125.163	0.05%	99.18%
57.0	11.610	1.093	2126.257	0.05%	99.23%
58.0	10.874	1.040	2127.296	0.05%	99.28%
59.0	10.243	0.987	2128.284	0.04%	99.32%
60.0	9.593	0.937	2129.221	0.04%	99.37%
61.0	9.080	0.891	2130.112	0.04%	99.41%
62.0	8.561	0.850	2130.962	0.04%	99.45%
63.0	8.154	0.813	2131.775	0.04%	99.49%
64.0	7.799	0.783	2132.558	0.03%	99.52%
65.0	7.424	0.753	2133.311	0.03%	99.56%
66.0	7.122	0.726	2134.037	0.03%	99.59%
67.0	6.774	0.699	2134.736	0.03%	99.62%
68.0	6.426	0.669	2135.404	0.03%	99.66%
69.0	6.064	0.637	2136.041	0.03%	99.69%
70.0	5.703	0.604	2136.646	0.03%	99.71%
71.0	5.368	0.572	2137.218	0.02%	99.74%
72.0	5.053	0.542	2137.76	0.02%	99.77%
73.0	4.737	0.512	2138.272	0.02%	99.79%
74.0	4.455	0.483	2138.755	0.02%	99.81%
75.0	4.152	0.455	2139.21	0.02%	99.83%

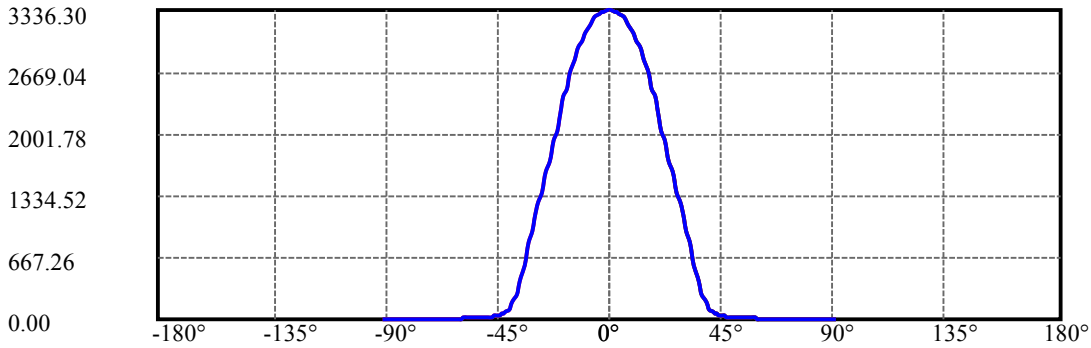
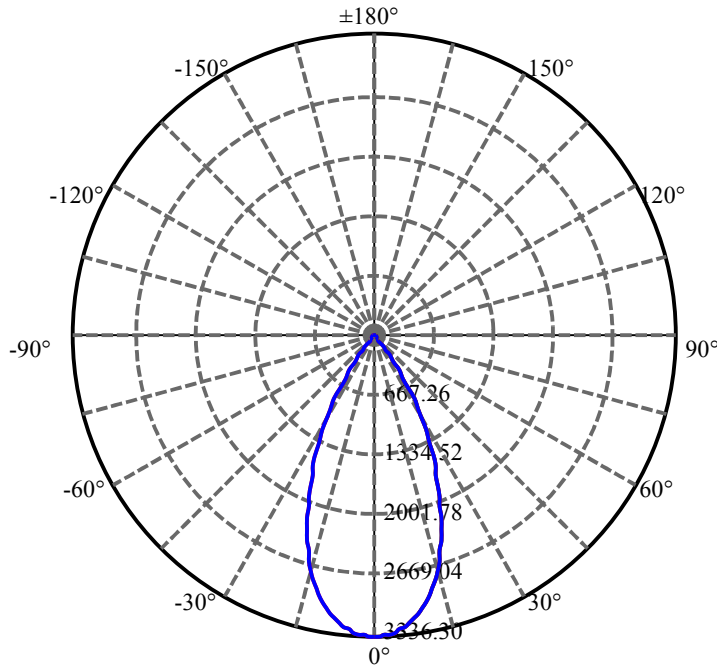
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	3.863	0.426	2139.635	0.02%	99.85%
77.0	3.594	0.398	2140.033	0.02%	99.87%
78.0	3.305	0.369	2140.402	0.02%	99.89%
79.0	2.996	0.339	2140.741	0.01%	99.90%
80.0	2.727	0.309	2141.049	0.01%	99.92%
81.0	2.470	0.281	2141.33	0.01%	99.93%
82.0	2.201	0.253	2141.584	0.01%	99.94%
83.0	1.965	0.226	2141.81	0.01%	99.95%
84.0	1.735	0.202	2142.012	0.01%	99.96%
85.0	1.524	0.178	2142.189	0.01%	99.97%
86.0	1.321	0.156	2142.345	0.01%	99.98%
87.0	1.156	0.136	2142.48	0.01%	99.99%
88.0	1.012	0.119	2142.599	0.01%	99.99%
89.0	0.815	0.100	2142.699	0.00%	100.00%
90.0	0.742	0.085	2142.785	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1772.73	77.28%	82.73%
0-40	2082.68	90.79%	97.20%
0-60	2129.22	92.82%	99.37%
0-90	2142.70	93.40%	100.00%
0-120	2142.70	93.40%	100.00%
0-180	2142.78	93.41%	100.00%
60-90	13.48	0.59%	0.63%
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%
0-29.04	1714.23	74.73%	80.00%

ZONAL LUMEN SUMMARY

0-10	305.59
10-20	742.96
20-30	724.18
30-40	309.95
40-50	34.22
50-60	12.32
60-70	7.43
70-80	4.40
80-90	1.65
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: —————

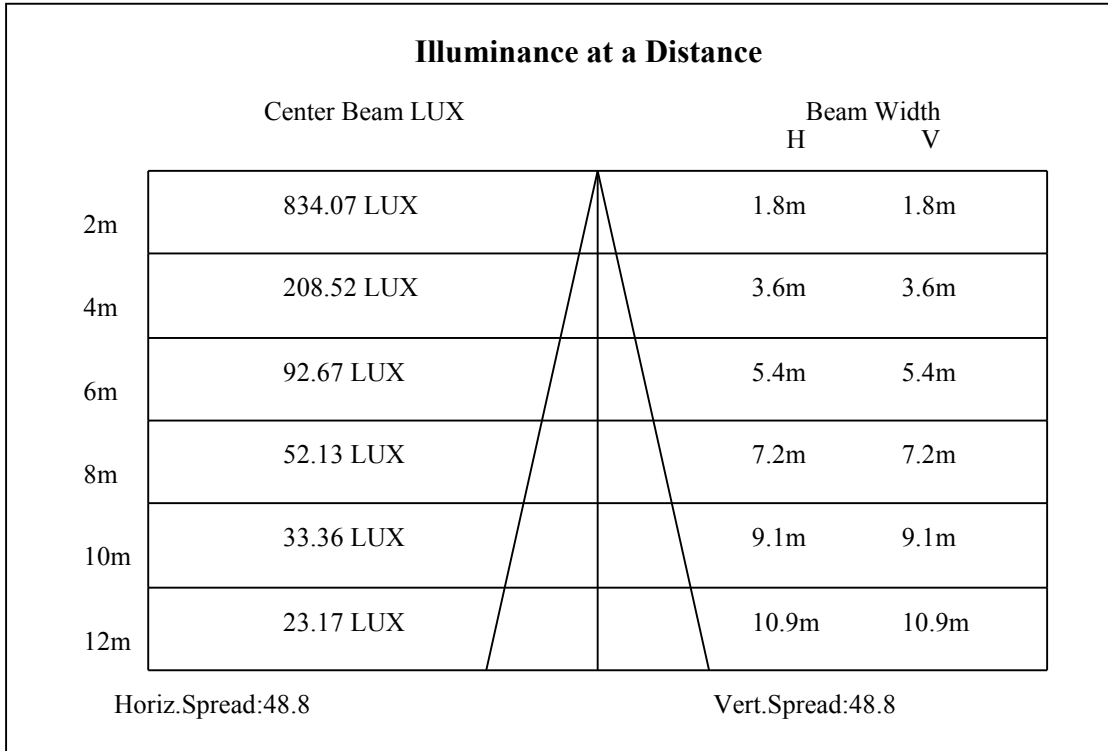
C90/C270: —————

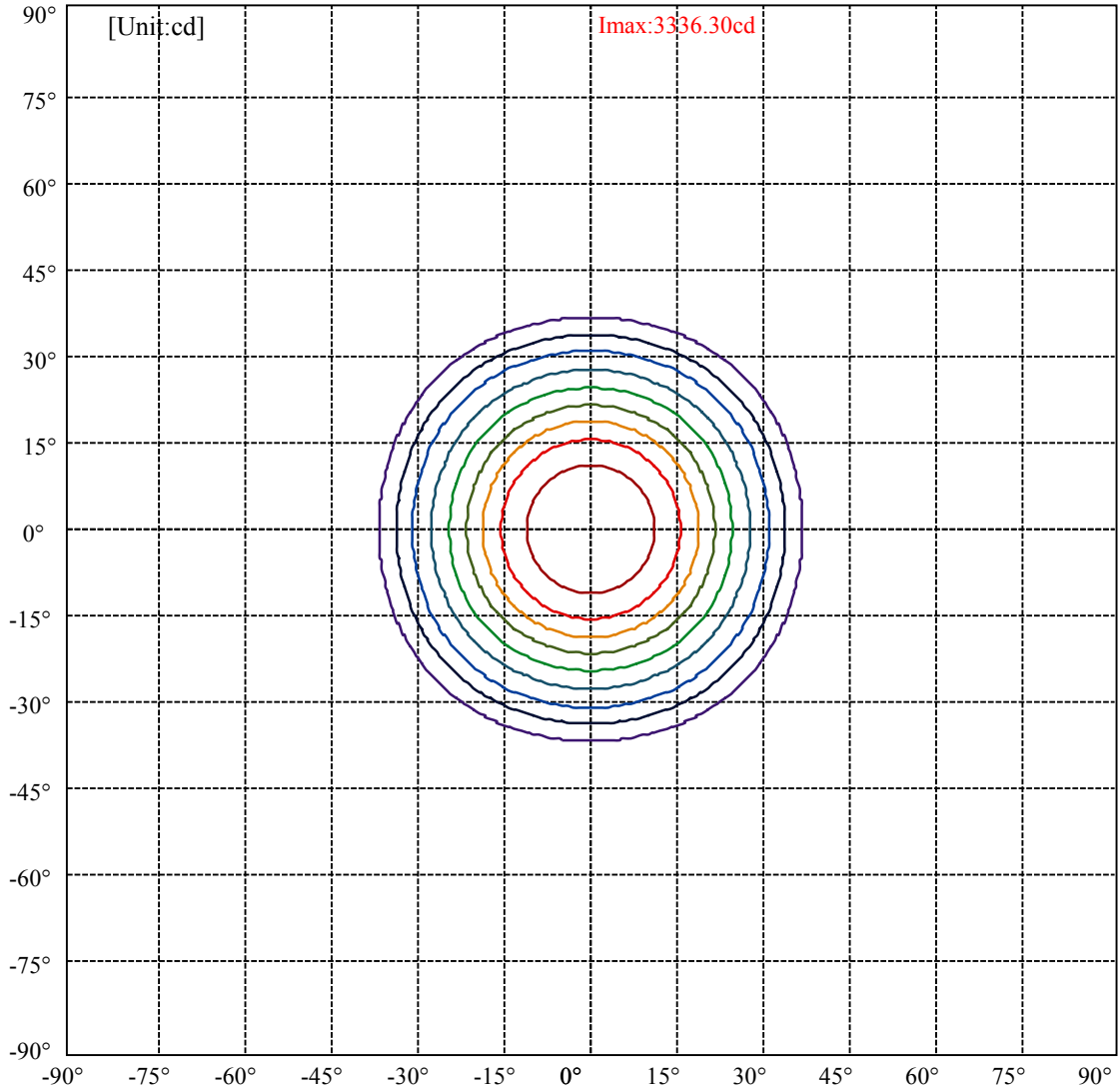
Field angle(10%Imax):C0/180Left:36.4 Right:36.4

:C90/270Left:36.4 Right:36.4

Beam Angle(50%Imax):C0/180Left:24.3 Right:24.3

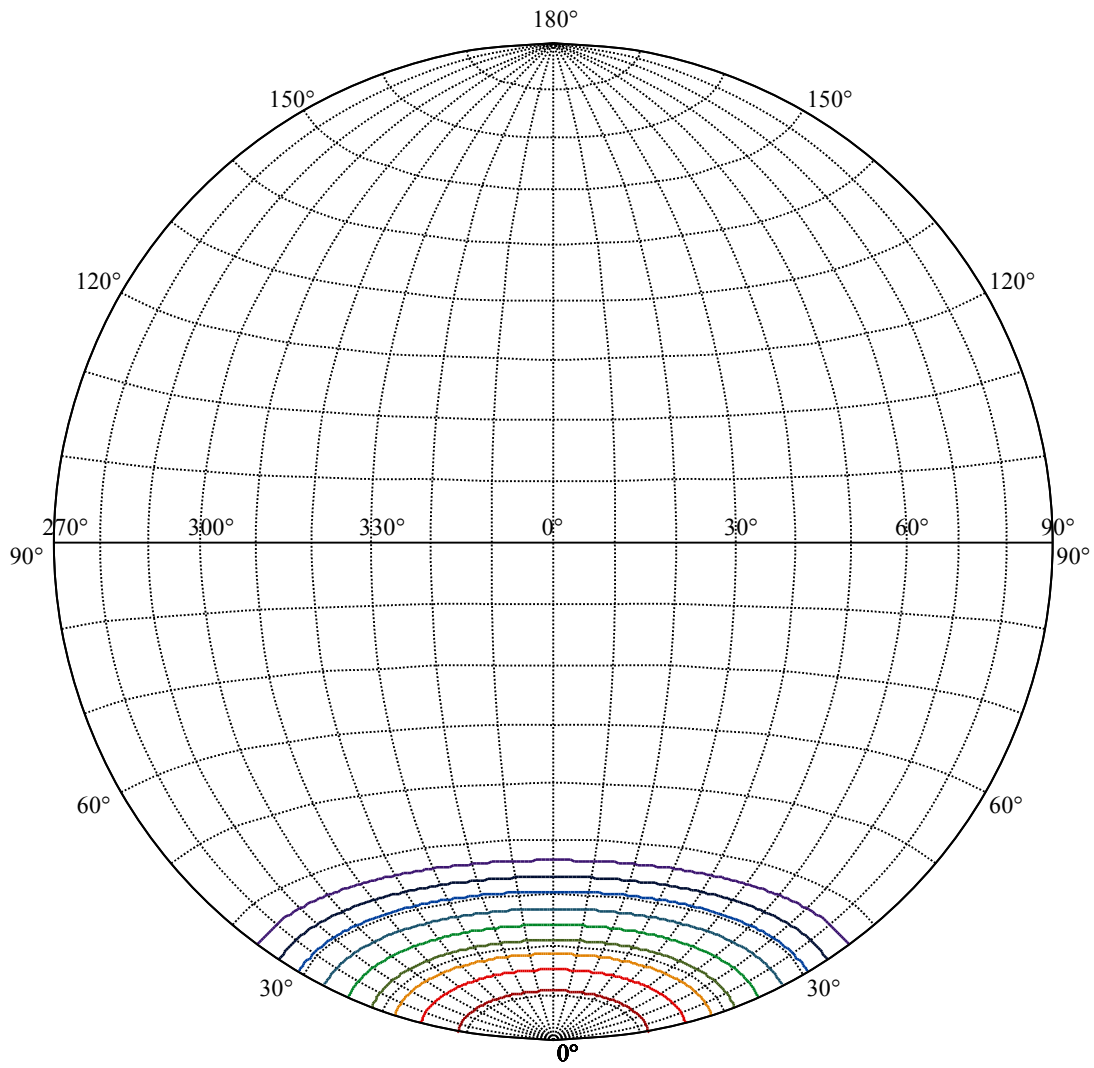
:C90/270Left:24.3 Right:24.3





(10%Imax) 333.63	—
(20%Imax) 667.26	—
(30%Imax) 1000.89	—
(40%Imax) 1334.52	—
(50%Imax) 1668.15	—
(60%Imax) 2001.78	—
(70%Imax) 2335.41	—
(80%Imax) 2669.04	—
(90%Imax) 3002.67	—





House

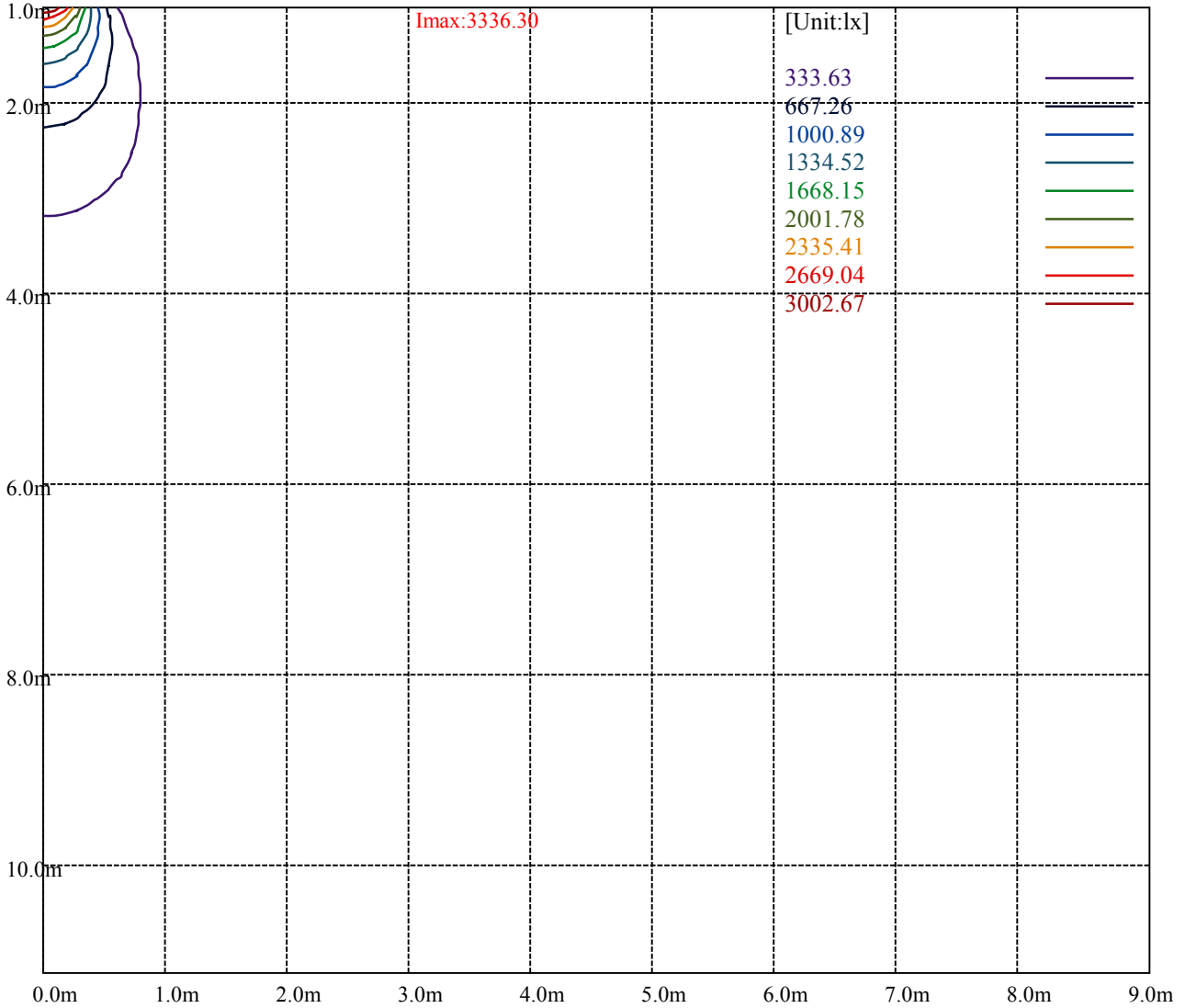
[Unit:cd]

Road

I<sub>max</sub>:3336.30

(10%I <sub>max</sub> )	333.63	—
(20%I <sub>max</sub> )	667.26	—
(30%I <sub>max</sub> )	1000.89	—
(40%I <sub>max</sub> )	1334.52	—
(50%I <sub>max</sub> )	1668.15	—
(60%I <sub>max</sub> )	2001.78	—
(70%I <sub>max</sub> )	2335.41	—
(80%I <sub>max</sub> )	2669.04	—
(90%I <sub>max</sub> )	3002.67	—





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

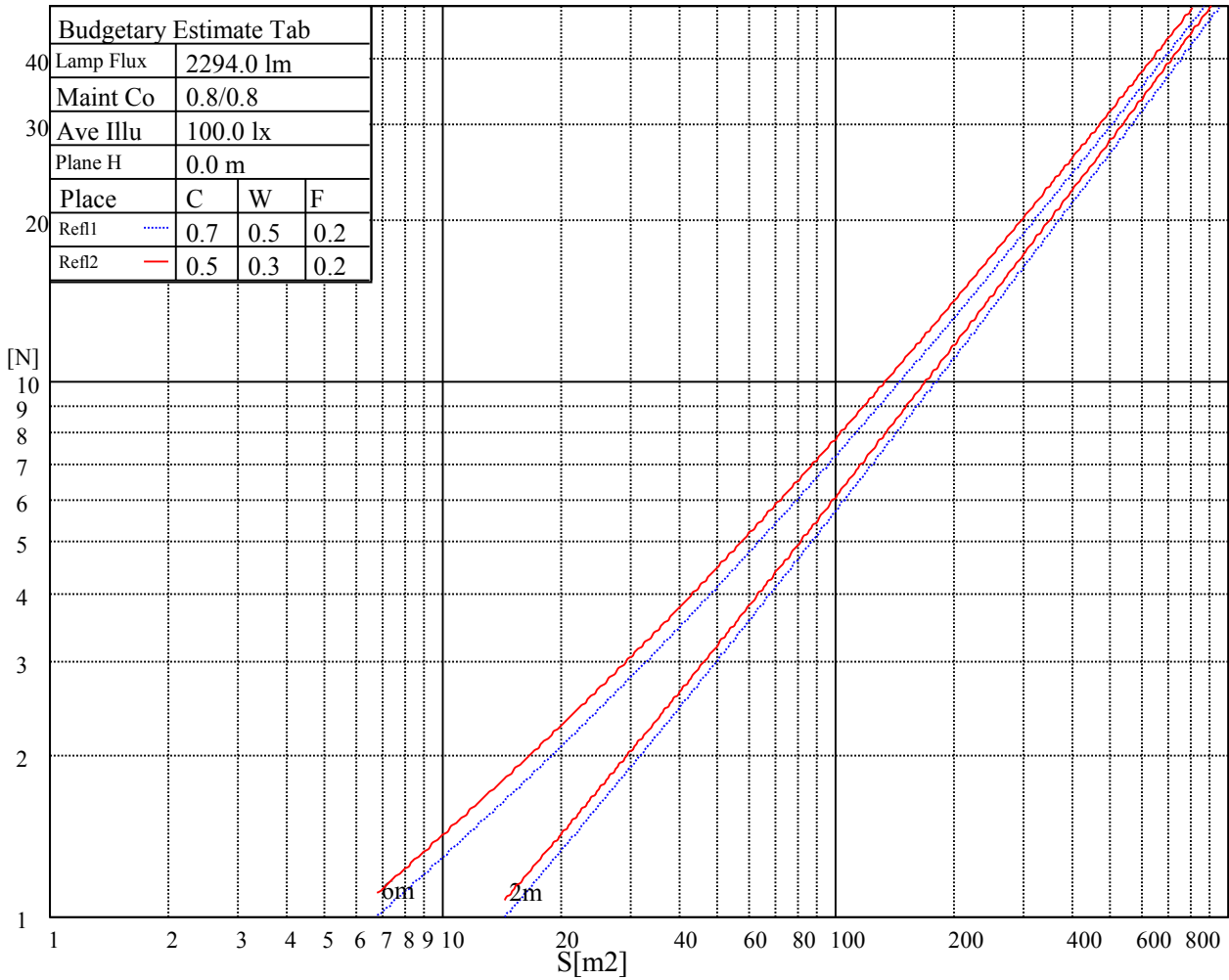
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

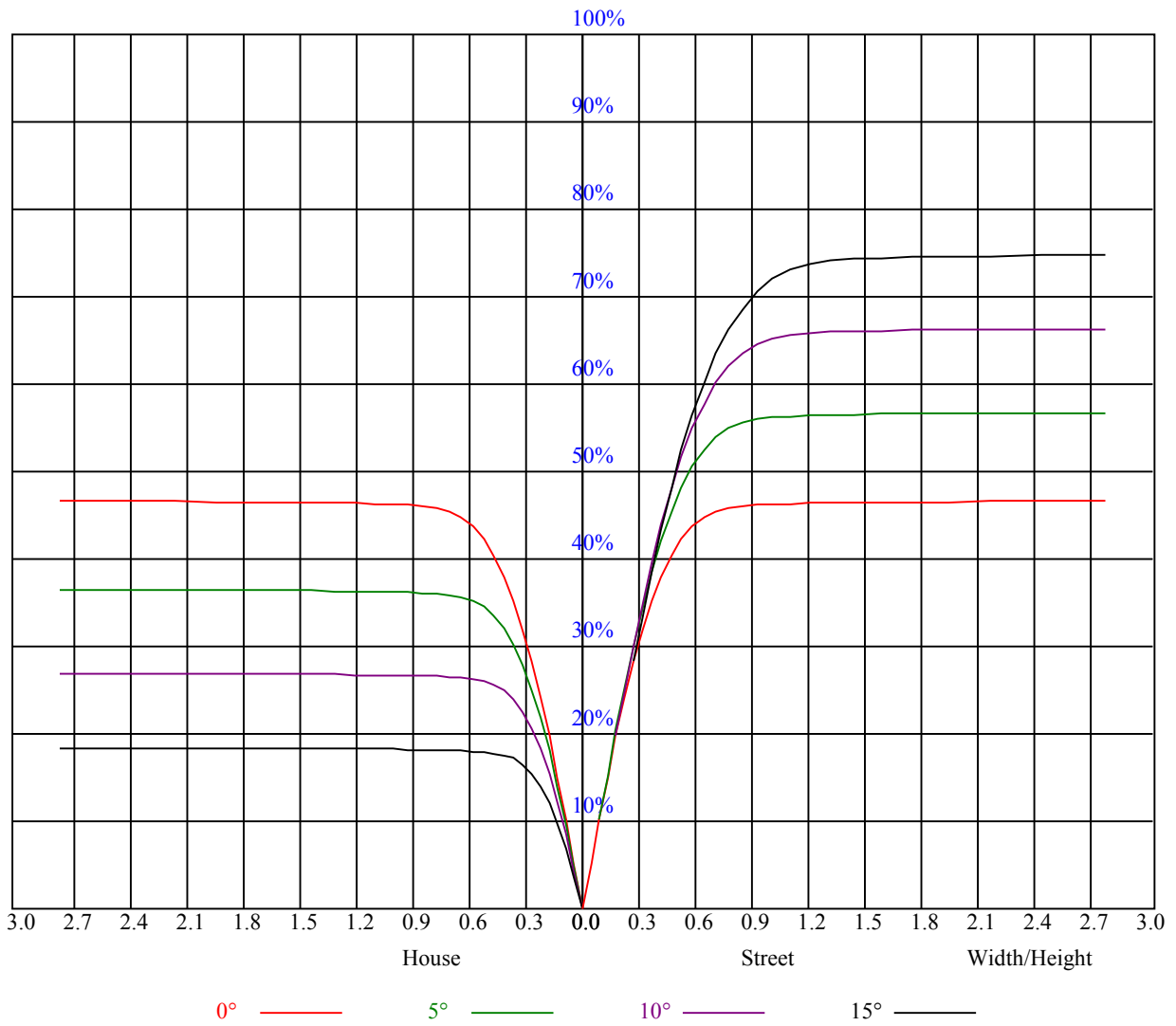


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
4H	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	
	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	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	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				

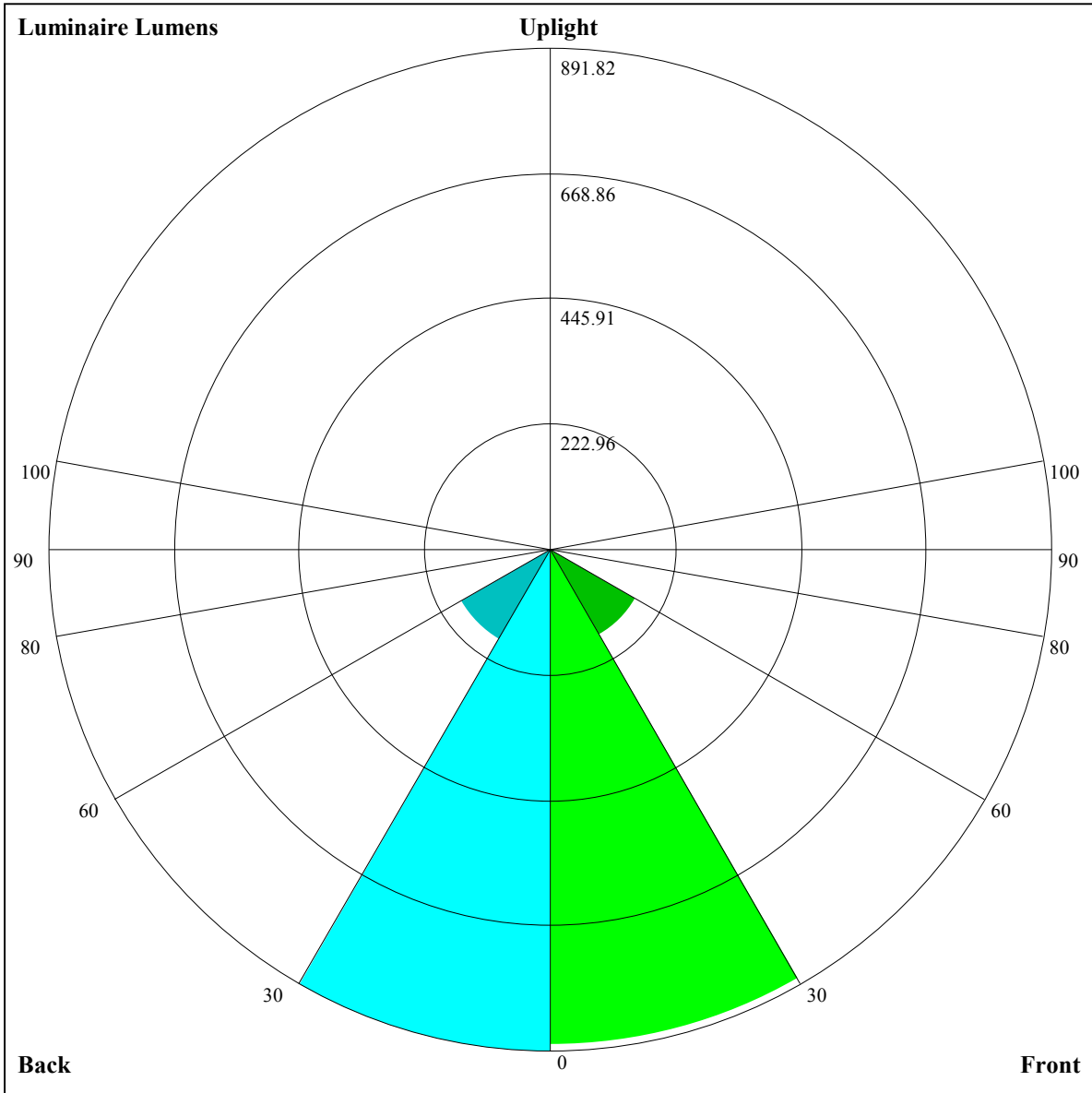
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04	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	0.98	0.98	0.97	0.95	0.95	0.94	0.92	0.92	0.91	0.90	0.88
2	0.98	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	0.84	0.83
3	0.92	0.87	0.84	0.90	0.87	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.78
4	0.86	0.82	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.78	0.76	0.80	0.77	0.75	0.74
5	0.82	0.77	0.73	0.81	0.76	0.73	0.79	0.75	0.72	0.78	0.74	0.72	0.76	0.73	0.71	0.70
6	0.77	0.72	0.69	0.77	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.66
7	0.73	0.68	0.65	0.73	0.68	0.65	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.62
8	0.70	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.59
9	0.66	0.61	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.64	0.60	0.57	0.56
10	0.63	0.58	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.61	0.57	0.55	0.53







Luminaire Lumens:

FL=879.47,FM=173.4,FH=5.77,FVH=0.86

BL=891.82,BM=185.45,BH=5.99,BVH=0.87

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	3341.03	3343.29	3336.04	3316.54	3307.60	3260.82	3234.64	3188.91	3124.84
45.0	3337.14	3345.50	3331.57	3330.47	3318.74	3292.57	3261.92	3227.39	3181.14
90.0	3328.78	3310.96	3297.04	3282.53	3275.27	3258.03	3211.78	3184.50	3133.78
135.0	3338.24	3323.79	3308.18	3285.31	3273.65	3265.81	3247.42	3206.21	3161.06
180.0	3341.03	3336.04	3326.58	3312.07	3285.89	3259.72	3233.49	3206.79	3163.84
225.0	3337.14	3327.68	3313.17	3293.15	3273.65	3228.49	3200.06	3152.70	3088.10
270.0	3328.78	3337.72	3334.93	3327.68	3313.75	3296.46	3280.85	3258.56	3216.77
315.0	3338.24	3340.50	3339.93	3330.99	3327.10	3313.75	3290.36	3260.24	3219.56
360.0	3341.03	3343.29	3336.04	3316.54	3307.60	3260.82	3234.64	3188.91	3124.84
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3062.45	2997.27	2926.52	2849.05	2768.26	2683.05	2578.82	2470.17	2340.92
45.0	3122.63	3059.14	3001.74	2935.41	2868.55	2780.56	2688.62	2628.97	2464.60
90.0	3078.06	3024.55	2960.48	2885.84	2803.95	2710.33	2603.89	2475.75	2350.96
135.0	3119.85	3078.06	3017.88	2951.02	2874.70	2792.23	2697.51	2600.00	2499.19
180.0	3107.60	3051.88	2992.28	2937.67	2868.55	2792.80	2716.48	2666.34	2550.96
225.0	3045.21	2996.69	2953.28	2901.45	2837.90	2761.58	2684.68	2591.12	2478.01
270.0	3177.77	3141.03	3101.45	3051.88	2998.95	2942.13	2870.81	2791.70	2701.98
315.0	3178.93	3132.67	3067.49	2995.59	2939.87	2864.66	2777.77	2687.47	2578.30
360.0	3062.45	2997.27	2926.52	2849.05	2768.26	2683.05	2578.82	2470.17	2340.92
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2214.46	2095.25	1972.09	1851.72	1741.97	1639.48	1537.51	1456.14	1341.40
45.0	2387.18	2254.04	2119.74	1994.38	1873.49	1758.16	1643.37	1539.71	1442.79
90.0	2219.45	2092.99	1972.09	1860.66	1747.55	1641.68	1541.40	1480.69	1384.86
135.0	2389.96	2272.38	2200.53	2036.74	1968.73	1858.98	1707.44	1646.73	1545.86
180.0	2498.03	2389.39	2272.38	2159.32	2043.42	1925.84	1821.66	1714.69	1618.87
225.0	2354.33	2232.86	2102.45	1967.62	1840.58	1720.27	1606.05	1541.40	1389.28
270.0	2631.75	2526.47	2368.26	2265.71	2125.31	1995.48	1865.65	1746.44	1632.80
315.0	2478.01	2359.90	2246.78	2149.28	2027.81	1909.70	1801.05	1698.50	1593.22
360.0	2214.46	2095.25	1972.09	1851.72	1741.97	1639.48	1537.51	1456.14	1341.40
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1224.39	1069.44	1069.44	949.80	826.86	702.24	576.93	459.24	350.59
45.0	1349.75	1255.56	1155.85	1037.74	914.06	789.23	666.65	550.22	437.69
90.0	1086.15	1034.96	1034.96	907.60	780.24	651.56	529.15	416.82	314.11
135.0	1442.79	1344.18	1228.28	1096.77	962.52	828.23	693.40	565.26	450.46
180.0	1524.15	1427.18	1330.78	1223.29	1106.28	976.45	846.62	715.69	583.65
225.0	1295.72	1214.93	1068.70	1046.36	926.94	801.53	681.79	566.10	456.93
270.0	1519.11	1414.93	1314.64	1209.36	1096.24	975.35	847.73	725.73	607.04
315.0	1488.46	1384.29	1242.21	1093.09	1041.00	907.70	827.54	639.05	511.80
360.0	1224.39	1069.44	1069.44	949.80	826.86	702.24	576.93	459.24	350.59
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	254.19	172.88	115.43	82.79	66.75	55.09	49.36	39.53	34.11
45.0	334.03	296.14	296.14	121.84	88.57	71.33	59.40	50.67	44.10
90.0	223.97	152.12	107.70	83.52	66.33	54.61	46.31	42.37	34.53
135.0	345.18	307.28	215.14	121.95	102.18	80.05	63.39	51.88	43.63
180.0	462.76	356.32	279.42	279.42	143.29	107.70	84.94	67.96	55.93
225.0	356.43	264.18	183.71	121.16	86.83	71.12	61.81	52.46	44.63
270.0	492.83	386.39	285.57	285.57	203.57	101.76	76.53	61.39	50.51
315.0	439.63	289.09	233.59	158.53	111.38	86.31	68.12	54.72	45.68
360.0	254.19	172.88	115.43	82.79	66.75	55.09	49.36	39.53	34.11

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	31.33	27.44	24.07	21.29	19.08	17.29	15.93	14.61	13.51
45.0	38.48	33.53	29.33	25.91	23.13	20.76	18.82	17.92	15.98
90.0	31.70	27.70	24.34	21.66	19.40	17.61	16.14	14.88	13.67
135.0	37.11	31.75	27.39	23.97	21.24	18.92	17.08	15.66	14.40
180.0	47.73	41.16	35.74	31.22	27.54	24.65	22.13	19.97	18.29
225.0	40.00	34.95	30.75	27.28	24.28	21.87	19.92	18.24	16.87
270.0	42.68	36.74	31.70	27.60	24.23	21.39	19.13	17.29	15.87
315.0	39.00	33.38	28.75	24.97	22.02	19.66	17.71	16.14	14.82
360.0	31.33	27.44	24.07	21.29	19.08	17.29	15.93	14.61	13.51
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	12.56	11.72	11.04	10.25	9.67	9.15	8.62	8.20	7.73
45.0	15.19	14.03	12.62	12.09	11.30	10.57	9.88	9.30	8.78
90.0	12.72	11.93	11.14	10.35	9.72	9.20	8.62	8.09	7.67
135.0	13.35	12.35	11.62	10.88	10.46	9.88	9.04	8.83	8.36
180.0	17.35	16.03	14.35	13.82	12.88	12.04	11.25	10.51	9.78
225.0	15.45	14.30	13.30	12.30	11.46	10.72	10.09	9.41	8.83
270.0	14.88	13.46	12.56	11.93	11.04	10.51	9.83	9.36	8.83
315.0	13.93	12.62	11.83	11.25	10.46	9.88	9.41	8.94	8.52
360.0	12.56	11.72	11.04	10.25	9.67	9.15	8.62	8.20	7.73
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	7.46	7.10	6.73	6.52	6.15	5.83	5.52	5.15	4.89
45.0	8.30	7.88	7.52	7.10	6.78	6.47	6.10	5.73	5.41
90.0	7.31	7.04	6.62	6.47	6.10	5.78	5.47	5.10	4.84
135.0	7.99	7.67	7.36	6.94	6.68	6.36	5.99	5.62	5.26
180.0	9.30	8.78	8.30	7.94	7.57	7.10	6.62	6.20	5.83
225.0	8.46	8.25	7.67	7.46	6.99	6.62	6.20	5.89	5.47
270.0	8.36	7.94	7.67	7.41	7.10	6.73	6.47	6.10	5.73
315.0	8.04	7.73	7.52	7.15	6.83	6.52	6.15	5.83	5.52
360.0	7.46	7.10	6.73	6.52	6.15	5.83	5.52	5.15	4.89
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	4.57	4.26	3.99	3.73	3.36	3.15	2.89	2.63	2.26
45.0	5.10	4.89	4.47	4.21	3.94	3.68	3.36	3.00	2.68
90.0	4.52	4.21	3.94	3.68	3.31	3.05	2.79	2.47	2.26
135.0	5.05	4.73	4.47	4.15	3.94	3.63	3.31	3.00	2.79
180.0	5.41	5.05	4.78	4.47	4.21	3.84	3.57	3.31	3.00
225.0	5.10	4.78	4.57	4.15	3.89	3.63	3.31	3.00	2.68
270.0	5.41	5.05	4.78	4.47	4.15	3.94	3.73	3.31	3.15
315.0	5.26	4.94	4.63	4.36	4.10	3.84	3.47	3.26	3.00
360.0	4.57	4.26	3.99	3.73	3.36	3.15	2.89	2.63	2.26
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.10	1.89	1.68	1.47	1.31	1.10	0.95	0.84	0.63
45.0	2.42	2.21	1.89	1.52	1.42	1.16	1.00	0.89	0.63
90.0	2.00	1.73	1.47	1.37	1.10	1.00	0.89	0.63	0.58
135.0	2.47	2.21	2.00	1.73	1.47	1.37	1.21	1.05	0.68
180.0	2.68	2.37	2.10	1.89	1.68	1.37	1.21	1.10	0.89
225.0	2.42	2.26	1.94	1.73	1.47	1.26	1.10	0.95	0.89
270.0	2.84	2.47	2.26	2.05	1.79	1.58	1.37	1.21	1.00
315.0	2.84	2.47	2.37	2.10	1.94	1.73	1.52	1.42	1.21
360.0	2.10	1.89	1.68	1.47	1.31	1.10	0.95	0.84	0.63

Intensity data(cd)

C/γ(°)	90.0
0.0	0.63
45.0	0.58
90.0	0.58
135.0	0.63
180.0	0.68
225.0	0.79
270.0	0.89
315.0	1.16
360.0	0.63