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NT

Client:

LumCAT: 2-2681-L

Luminaire: 92.70.412.00

Report No: 2024316-B020

Ballast type: AC

Test No: 2024316-C020

Voltage(V): 35.090

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.451

Lamp flux(lm): 2703.0

Power (W): 0.000

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2236.36, Efficiency(%): 82.74% , Luminous Efficacy(lm/W): 0.00

Central intensity(cd): 4034.161, Maximum intensity(cd): 4034.161

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=44.2

[C90/270]Total=44.2

Field angle(10%Imax): [C0/180]Total=68.2

[C90/270]Total=68.2

Maximum s/h(1/2): C0_180=0.71 C90_270=0.71

Maximum s/h(1/4): C0_180=0.69 C90_270=0.69

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.74%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.789%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/16
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	4034.161	0.000	0	0.00%	0.00%
1.0	4029.698	3.858	3.858	0.14%	0.17%
2.0	4015.946	11.548	15.406	0.43%	0.69%
3.0	3992.976	19.155	34.561	0.71%	1.55%
4.0	3958.374	26.616	61.177	0.98%	2.74%
5.0	3914.702	33.870	95.046	1.25%	4.25%
6.0	3858.227	40.849	135.895	1.51%	6.08%
7.0	3794.292	47.499	183.394	1.76%	8.20%
8.0	3723.114	53.801	237.195	1.99%	10.61%
9.0	3640.743	59.680	296.875	2.21%	13.27%
10.0	3551.862	65.090	361.965	2.41%	16.19%
11.0	3457.348	70.036	432.002	2.59%	19.32%
12.0	3354.568	74.464	506.466	2.75%	22.65%
13.0	3246.960	78.344	584.809	2.90%	26.15%
14.0	3133.061	81.664	666.473	3.02%	29.80%
15.0	3013.236	84.379	750.852	3.12%	33.57%
16.0	2886.681	86.450	837.302	3.20%	37.44%
17.0	2758.370	87.909	925.211	3.25%	41.37%
18.0	2624.061	88.745	1013.956	3.28%	45.34%
19.0	2482.656	88.846	1102.802	3.29%	49.31%
20.0	2333.424	88.148	1190.95	3.26%	53.25%
21.0	2179.729	86.662	1277.611	3.21%	57.13%
22.0	2029.985	84.596	1362.207	3.13%	60.91%
23.0	1881.630	82.076	1444.284	3.04%	64.58%
24.0	1733.129	79.032	1523.315	2.92%	68.12%
25.0	1556.816	74.806	1598.121	2.77%	71.46%
26.0	1375.059	69.207	1667.329	2.56%	74.56%
27.0	1267.619	64.654	1731.982	2.39%	77.45%
28.0	1115.819	60.344	1792.326	2.23%	80.14%
29.0	991.422	55.131	1847.457	2.04%	82.61%
30.0	854.838	49.849	1897.306	1.84%	84.84%
31.0	725.386	43.975	1941.281	1.63%	86.81%
32.0	606.871	38.168	1979.449	1.41%	88.51%
33.0	502.562	32.684	2012.133	1.21%	89.97%
34.0	408.648	27.576	2039.709	1.02%	91.21%
35.0	331.684	22.992	2062.701	0.85%	92.23%
36.0	266.073	19.033	2081.734	0.70%	93.09%
37.0	220.469	15.868	2097.602	0.59%	93.80%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	160.995	12.733	2110.335	0.47%	94.36%
39.0	114.499	9.403	2119.738	0.35%	94.78%
40.0	88.720	7.088	2126.826	0.26%	95.10%
41.0	70.790	5.680	2132.506	0.21%	95.36%
42.0	59.020	4.716	2137.222	0.17%	95.57%
43.0	51.017	4.076	2141.298	0.15%	95.75%
44.0	45.362	3.638	2144.936	0.13%	95.91%
45.0	41.156	3.325	2148.261	0.12%	96.06%
46.0	38.340	3.109	2151.37	0.12%	96.20%
47.0	36.079	2.960	2154.329	0.11%	96.33%
48.0	34.302	2.845	2157.175	0.11%	96.46%
49.0	32.824	2.757	2159.931	0.10%	96.58%
50.0	31.602	2.686	2162.617	0.10%	96.70%
51.0	30.490	2.627	2165.244	0.10%	96.82%
52.0	29.495	2.574	2167.818	0.10%	96.93%
53.0	28.639	2.529	2170.347	0.09%	97.05%
54.0	27.784	2.487	2172.834	0.09%	97.16%
55.0	27.001	2.445	2175.28	0.09%	97.27%
56.0	26.218	2.405	2177.684	0.09%	97.38%
57.0	25.494	2.364	2180.049	0.09%	97.48%
58.0	24.777	2.325	2182.373	0.09%	97.59%
59.0	24.126	2.286	2184.66	0.08%	97.69%
60.0	23.446	2.247	2186.907	0.08%	97.79%
61.0	22.816	2.208	2189.115	0.08%	97.89%
62.0	22.187	2.169	2191.283	0.08%	97.98%
63.0	21.573	2.128	2193.412	0.08%	98.08%
64.0	20.951	2.087	2195.498	0.08%	98.17%
65.0	20.359	2.044	2197.543	0.08%	98.26%
66.0	19.803	2.004	2199.546	0.07%	98.35%
67.0	19.320	1.967	2201.514	0.07%	98.44%
68.0	18.991	1.941	2203.454	0.07%	98.53%
69.0	18.778	1.927	2205.381	0.07%	98.61%
70.0	18.610	1.920	2207.301	0.07%	98.70%
71.0	18.164	1.901	2209.202	0.07%	98.79%
72.0	17.571	1.858	2211.06	0.07%	98.87%
73.0	17.030	1.809	2212.87	0.07%	98.95%
74.0	16.752	1.776	2214.646	0.07%	99.03%
75.0	16.394	1.751	2216.397	0.06%	99.11%

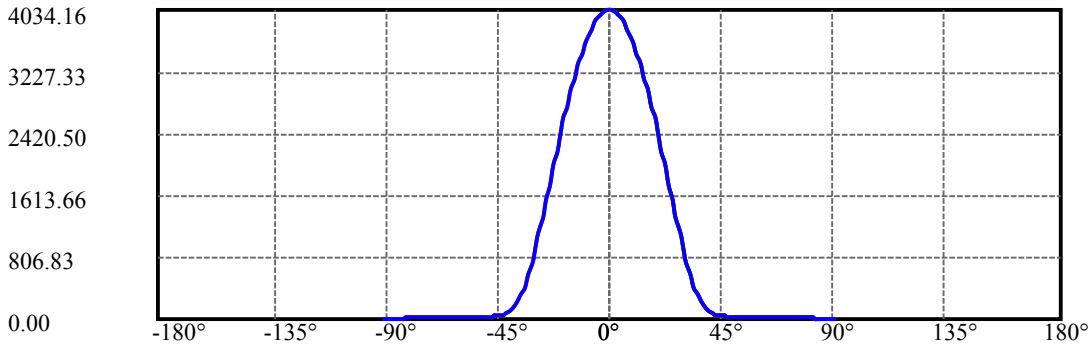
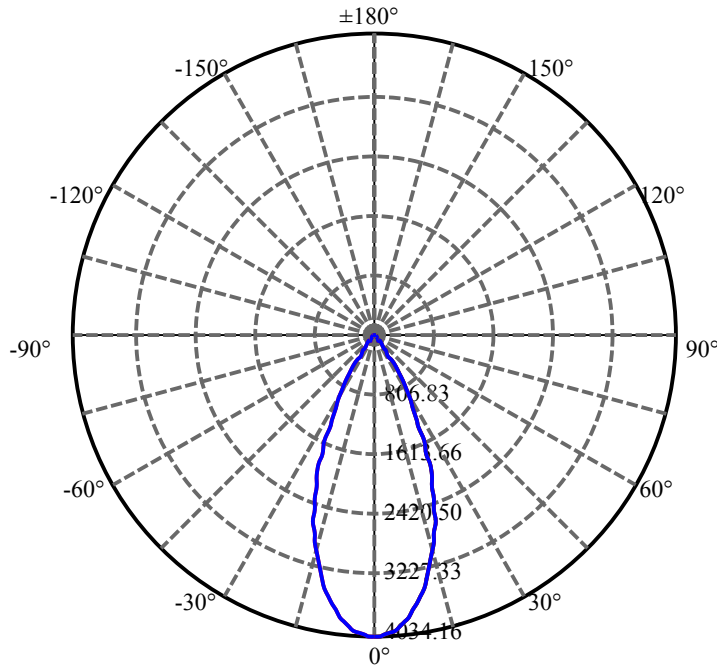
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.925	1.716	2218.112	0.06%	99.18%
77.0	15.596	1.681	2219.793	0.06%	99.26%
78.0	15.040	1.640	2221.433	0.06%	99.33%
79.0	14.477	1.586	2223.019	0.06%	99.40%
80.0	13.936	1.532	2224.551	0.06%	99.47%
81.0	13.226	1.469	2226.02	0.05%	99.54%
82.0	12.524	1.396	2227.416	0.05%	99.60%
83.0	11.887	1.327	2228.743	0.05%	99.66%
84.0	11.178	1.257	2230	0.05%	99.72%
85.0	10.395	1.177	2231.177	0.04%	99.77%
86.0	9.810	1.104	2232.281	0.04%	99.82%
87.0	9.451	1.054	2233.336	0.04%	99.86%
88.0	9.254	1.025	2234.36	0.04%	99.91%
89.0	9.115	1.007	2235.367	0.04%	99.96%
90.0	9.078	0.998	2236.365	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1897.31	70.19%	84.84%
0-40	2126.83	78.68%	95.10%
0-60	2186.91	80.91%	97.79%
0-90	2235.37	82.70%	99.96%
0-120	2235.37	82.70%	99.96%
0-180	2236.36	82.74%	100.00%
60-90	48.46	1.79%	2.17%
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%
0-27.95	1789.09	66.19%	80.00%

ZONAL LUMEN SUMMARY

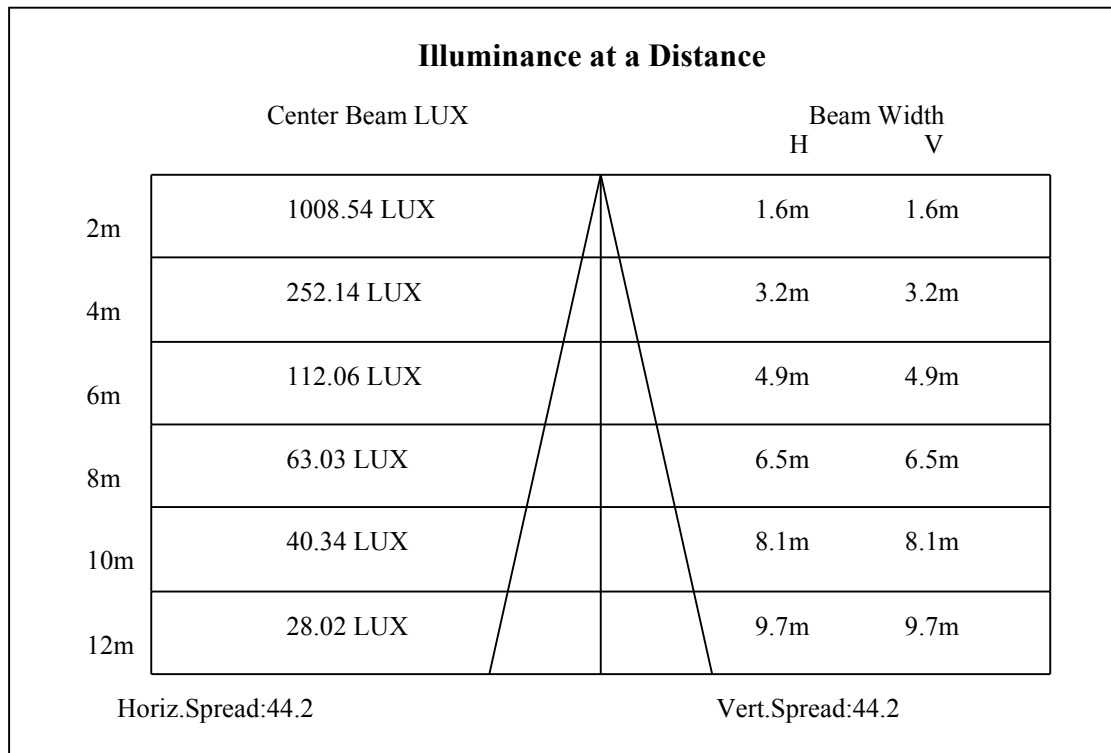
0-10	361.97
10-20	828.98
20-30	706.36
30-40	229.52
40-50	35.79
50-60	24.29
60-70	20.39
70-80	17.25
80-90	10.82
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

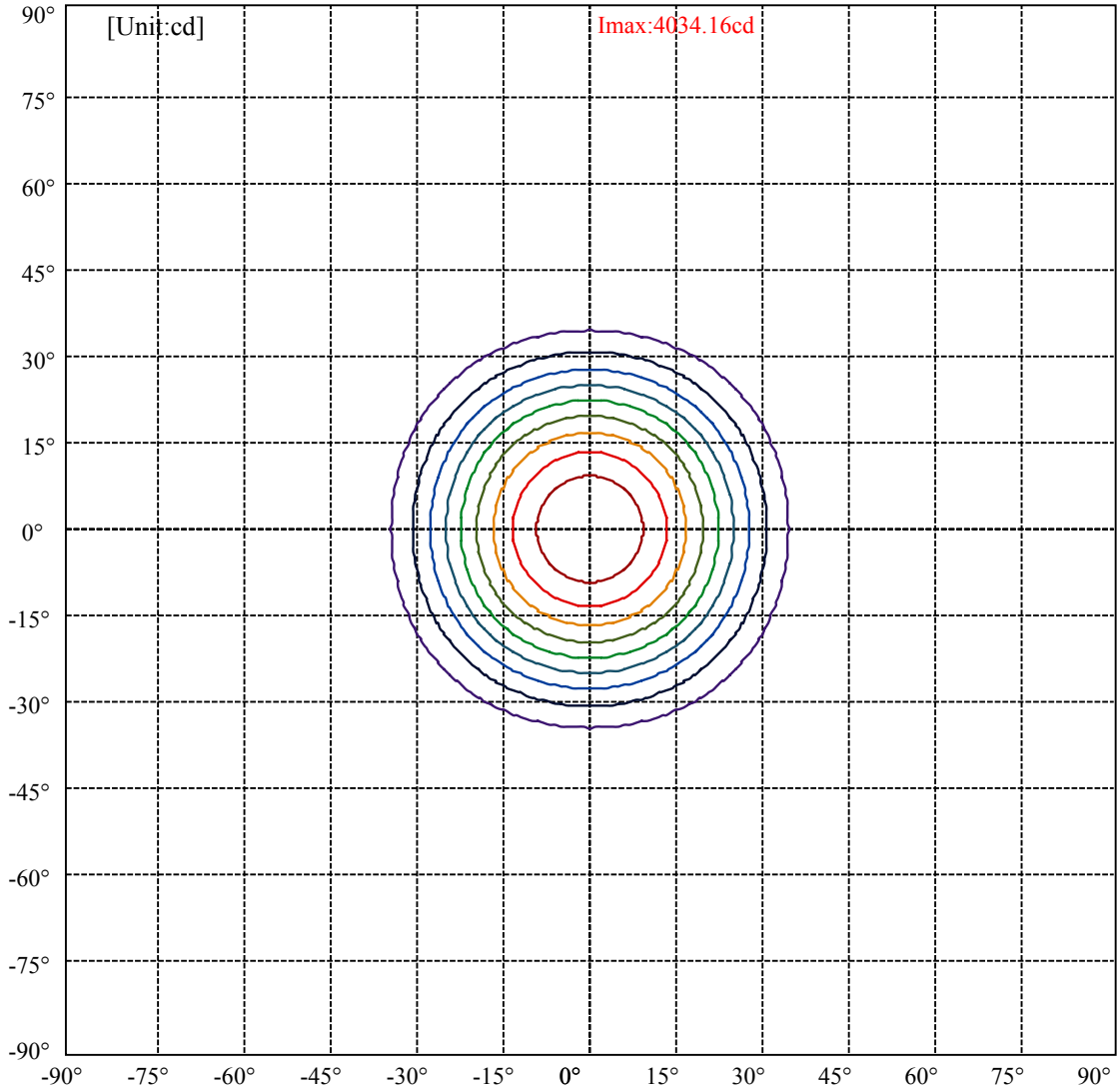


C0(Max): —————
C0/C180: —————
C90/C270: —————

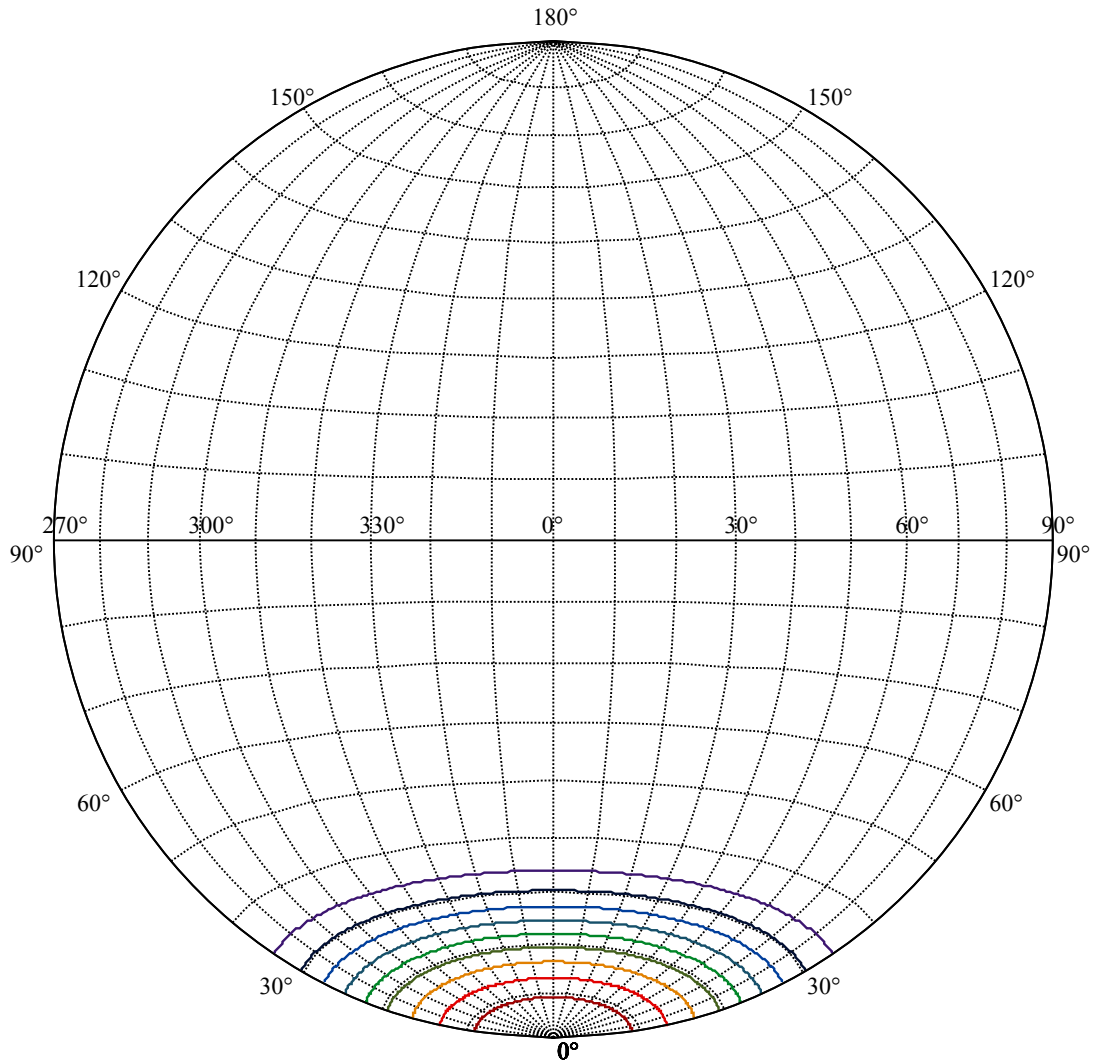
Field angle(10%Imax):C0/180Left:34.1 Right:34.1
:C90/270Left:34.1 Right:34.1

Beam Angle(50%Imax):C0/180Left:22.1 Right:22.1
:C90/270Left:22.1 Right:22.1





(10%Imax)	403.416	—
(20%Imax)	806.832	—
(30%Imax)	1210.25	—
(40%Imax)	1613.66	—
(50%Imax)	2017.08	—
(60%Imax)	2420.5	—
(70%Imax)	2823.91	—
(80%Imax)	3227.33	—
(90%Imax)	3630.75	—



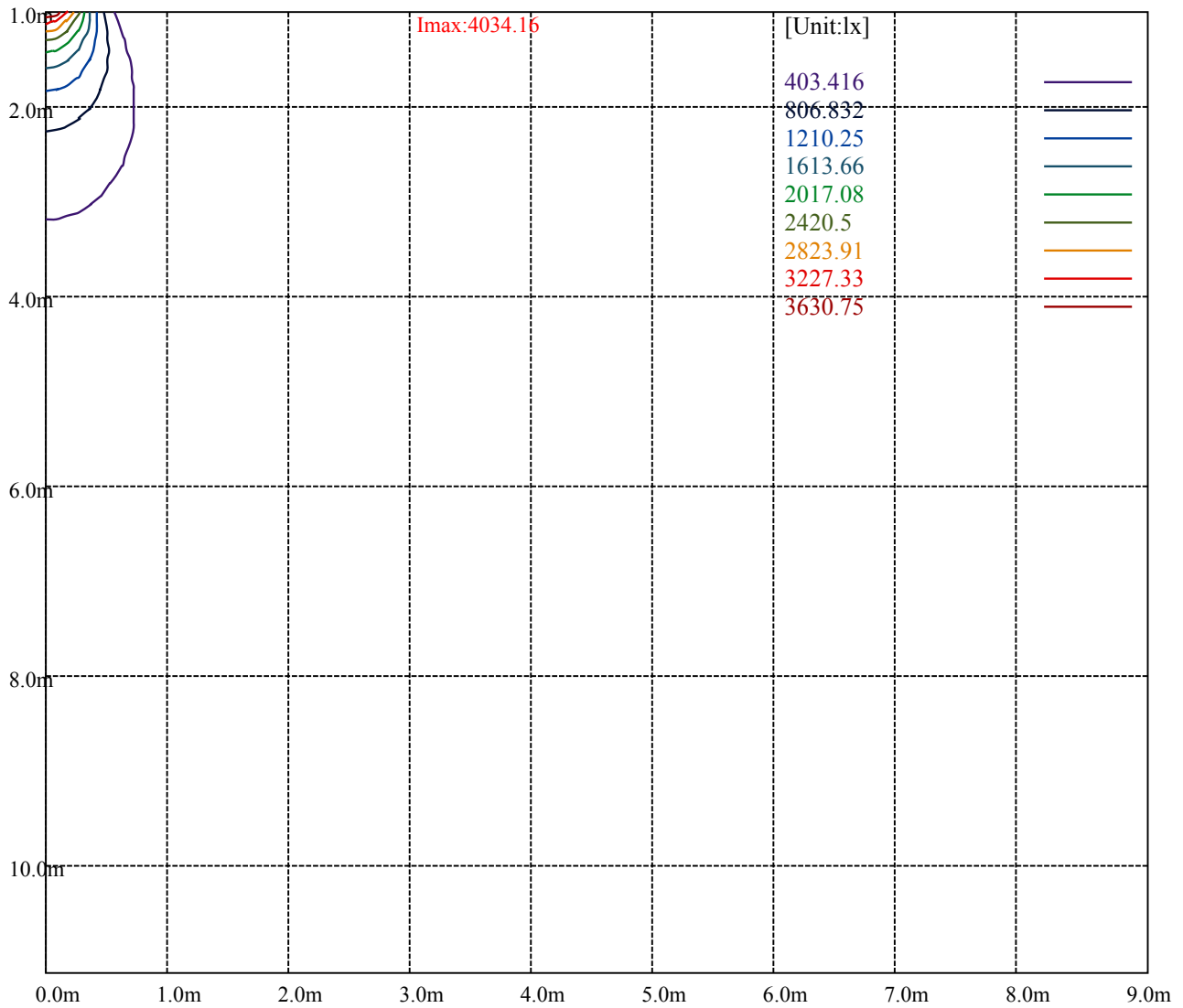
House

[Unit:cd]

Road

Imax:4034.16

(10%Imax) 403.416	—
(20%Imax) 806.832	—
(30%Imax) 1210.25	—
(40%Imax) 1613.66	—
(50%Imax) 2017.08	—
(60%Imax) 2420.5	—
(70%Imax) 2823.91	—
(80%Imax) 3227.33	—
(90%Imax) 3630.75	—



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

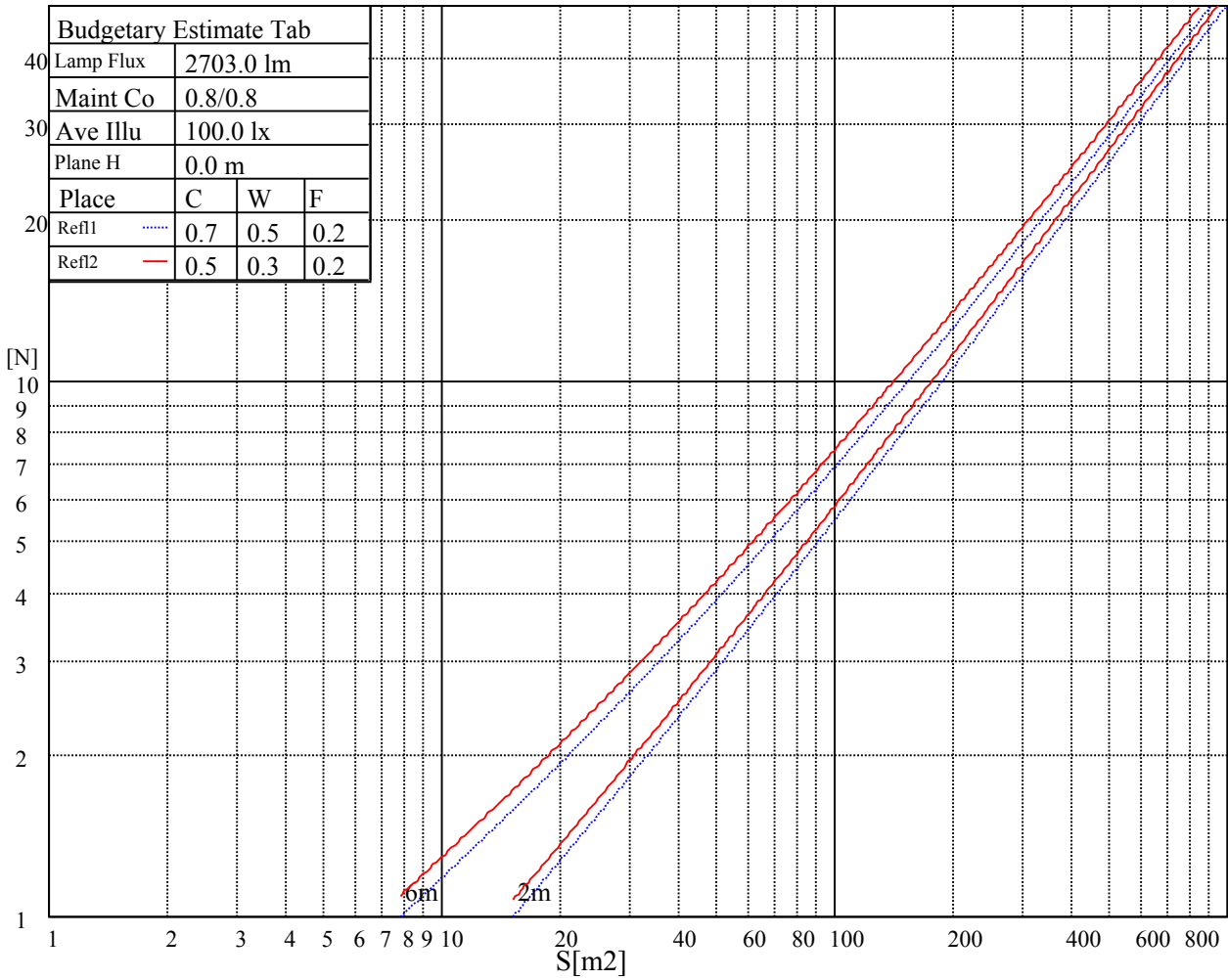
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

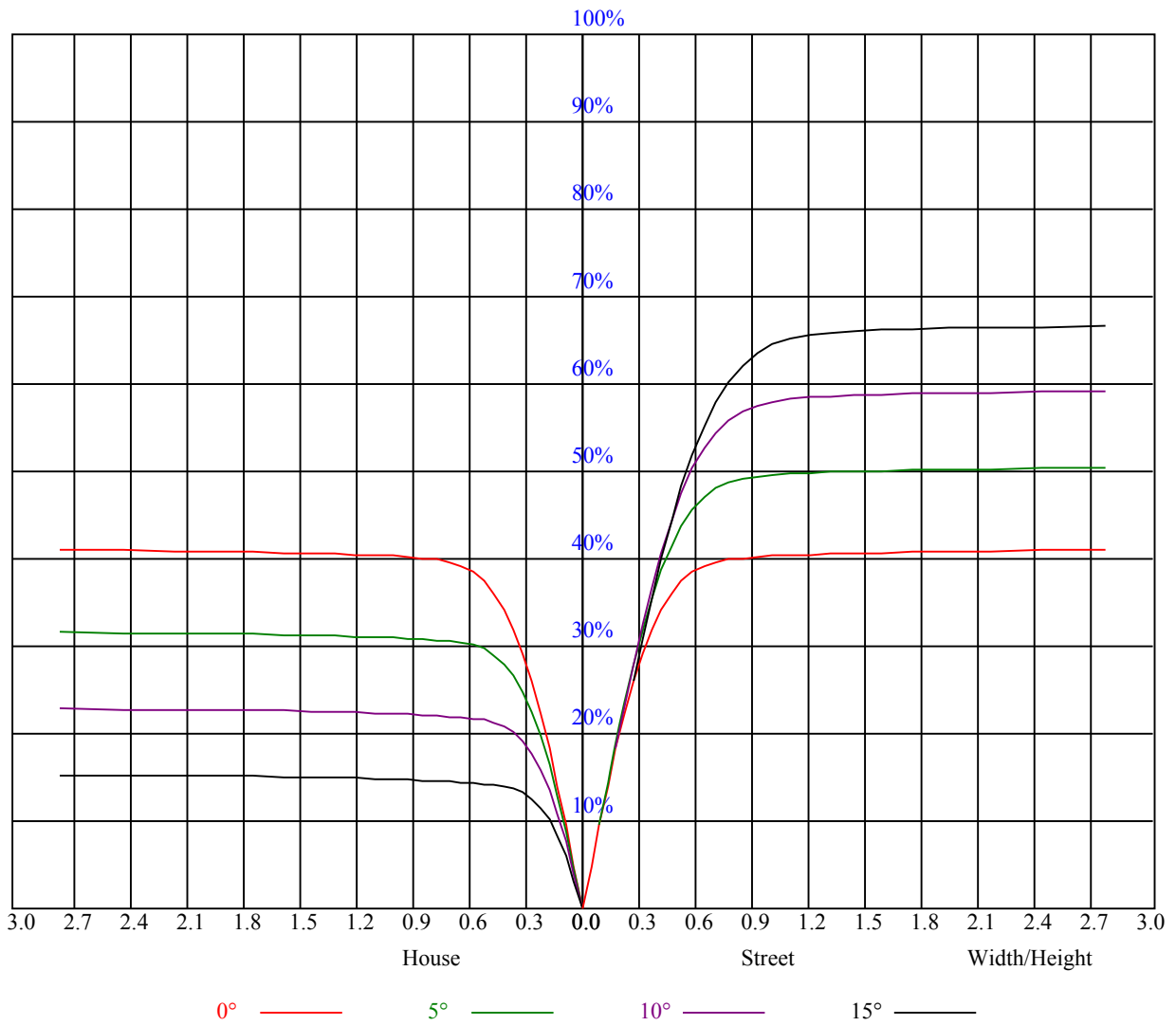


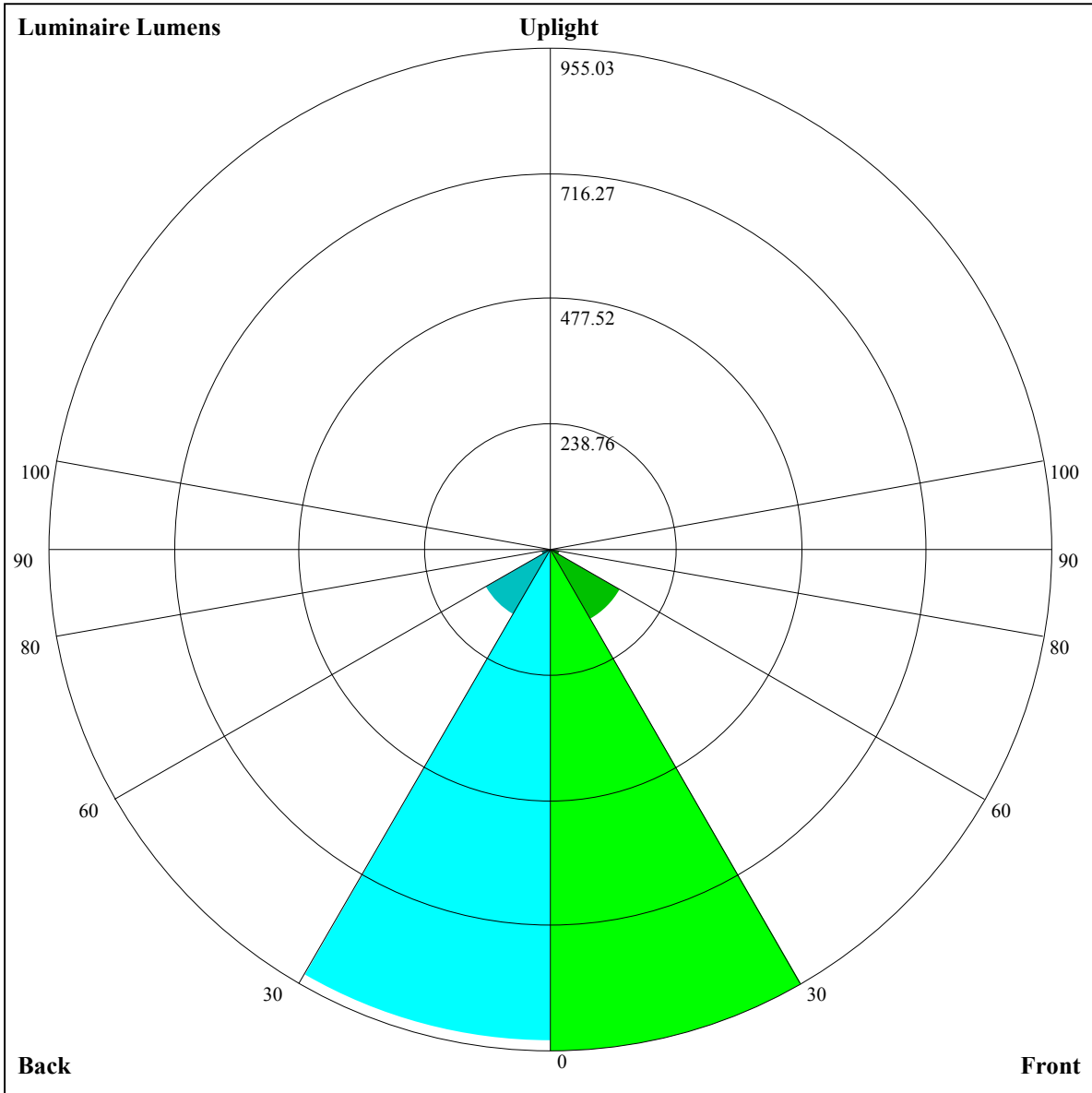
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOF=20 CU															
0	0.98	0.98	0.98	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.83
1	0.92	0.90	0.88	0.90	0.88	0.87	0.87	0.85	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78
2	0.86	0.83	0.80	0.85	0.82	0.79	0.82	0.80	0.78	0.80	0.78	0.76	0.77	0.76	0.74	0.73
3	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
4	0.77	0.72	0.69	0.76	0.72	0.69	0.74	0.71	0.68	0.72	0.70	0.67	0.71	0.68	0.66	0.65
5	0.73	0.68	0.65	0.72	0.68	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
6	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
7	0.66	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
8	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.54	0.60	0.57	0.54	0.53
9	0.60	0.55	0.52	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.51
10	0.57	0.53	0.50	0.57	0.53	0.50	0.56	0.52	0.50	0.55	0.52	0.50	0.55	0.52	0.49	0.49





Luminaire Lumens:

FL=955.03,FM=152,FH=18.14,FVH=5.89

BL=938.08,BM=142.57,BH=19.28,BVH=5.95

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	4041.04	4029.92	4015.29	3980.76	3943.89	3897.66	3830.36	3764.81	3694.00
45.0	4039.28	4035.77	4025.82	4001.83	3973.15	3933.94	3886.54	3815.73	3753.11
90.0	4024.65	4007.68	3972.57	3933.36	3884.78	3830.94	3749.60	3679.37	3602.12
135.0	4031.67	4019.38	3994.80	3962.03	3908.19	3853.18	3792.32	3703.36	3627.28
180.0	4041.04	4041.62	4034.60	4021.72	3994.22	3950.33	3903.51	3847.33	3784.12
225.0	4039.28	4031.67	4017.04	3993.05	3959.11	3902.34	3846.16	3784.71	3698.68
270.0	4024.65	4035.18	4035.77	4029.33	4006.51	3981.93	3942.13	3895.90	3825.09
315.0	4031.67	4036.36	4031.67	4021.72	3997.15	3967.30	3915.21	3863.13	3800.51
360.0	4041.04	4029.92	4015.29	3980.76	3943.89	3897.66	3830.36	3764.81	3694.00
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3592.75	3506.14	3410.16	3310.09	3178.42	3066.05	2949.01	2827.87	2674.54
45.0	3661.81	3582.81	3497.36	3383.83	3282.00	3175.49	3032.11	2919.16	2798.60
90.0	3517.85	3403.14	3305.41	3177.83	3067.22	2948.42	2830.79	2679.22	2552.22
135.0	3545.35	3459.32	3339.94	3239.28	3104.68	2992.90	2873.51	2725.45	2600.21
180.0	3695.17	3616.16	3510.24	3417.77	3320.63	3193.63	3083.61	2973.00	2826.70
225.0	3620.26	3516.09	3424.80	3331.74	3233.43	3124.57	2982.37	2864.73	2740.67
270.0	3758.96	3689.32	3610.31	3504.39	3411.92	3311.85	3207.09	3070.73	2960.13
315.0	3733.79	3641.91	3560.57	3471.61	3377.39	3251.57	3147.40	3033.28	2913.89
360.0	3592.75	3506.14	3410.16	3310.09	3178.42	3066.05	2949.01	2827.87	2674.54
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2548.71	2412.36	2237.37	2100.43	1928.37	1786.75	1645.13	1511.11	1166.65
45.0	2676.29	2546.96	2376.07	2234.45	2096.92	1957.64	1782.65	1639.27	1461.37
90.0	2417.04	2245.57	2108.04	1967.00	1824.20	1650.98	1511.69	1161.03	1161.03
135.0	2469.12	2329.84	2193.48	2017.91	1875.12	1736.42	1599.48	1422.74	1278.78
180.0	2701.46	2573.29	2438.11	2262.54	2122.08	1977.53	1825.96	1664.44	1526.33
225.0	2611.33	2438.11	2298.82	2158.37	1980.46	1838.25	1701.89	1531.59	1152.95
270.0	2809.72	2685.66	2551.64	2372.56	2226.84	2088.14	1918.43	1780.90	1645.13
315.0	2758.81	2629.47	2463.86	2324.57	2185.87	2017.33	1879.80	1743.44	1608.26
360.0	2548.71	2412.36	2237.37	2100.43	1928.37	1786.75	1645.13	1511.11	1166.65
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1166.65	1066.69	933.26	776.18	657.73	549.82	452.67	352.19	285.18
45.0	1323.84	1188.07	1023.03	889.60	766.70	650.24	519.15	429.03	350.02
90.0	1057.03	925.65	766.82	649.48	541.98	426.34	347.27	277.57	217.70
135.0	1102.62	966.26	836.93	687.70	581.19	485.80	382.21	309.06	309.06
180.0	1387.04	1218.50	1072.78	905.99	776.65	659.02	551.93	434.30	351.78
225.0	1152.95	1084.19	951.28	817.68	667.45	562.93	466.48	382.97	293.55
270.0	1509.35	1339.05	1209.13	1076.87	941.10	774.90	670.14	557.19	430.20
315.0	1441.47	1138.15	1138.15	1035.20	870.29	745.93	630.64	526.88	415.98
360.0	1166.65	1066.69	933.26	776.18	657.73	549.82	452.67	352.19	285.18
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	212.26	164.04	125.76	92.76	74.79	62.33	51.97	46.41	42.37
45.0	298.52	298.52	156.84	121.02	89.95	73.39	61.74	52.03	46.58
90.0	157.95	121.14	94.86	76.61	61.10	52.73	46.94	41.90	39.03
135.0	230.87	132.90	102.94	82.34	68.06	55.77	49.10	44.42	40.97
180.0	297.94	297.94	155.79	120.26	94.75	76.61	61.33	52.96	47.11
225.0	231.63	180.48	139.87	102.77	82.46	65.14	55.83	49.22	43.72
270.0	357.63	307.30	307.30	162.46	125.41	92.47	74.50	62.09	53.67
315.0	341.77	261.42	204.59	157.78	113.24	87.90	70.75	59.11	49.45
360.0	212.26	164.04	125.76	92.76	74.79	62.33	51.97	46.41	42.37

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	39.33	36.52	34.70	33.18	31.95	30.61	29.67	28.62	27.86
45.0	41.90	39.15	36.93	35.11	33.24	32.01	30.96	29.96	28.97
90.0	36.75	34.53	33.12	31.60	30.61	29.73	28.91	27.97	27.27
135.0	37.81	35.76	33.77	32.42	31.25	30.02	29.14	28.38	27.62
180.0	42.14	39.33	36.64	35.00	33.59	32.48	31.19	30.31	29.44
225.0	40.50	38.16	35.82	34.29	33.07	31.95	30.72	29.85	29.03
270.0	46.41	42.49	39.56	37.28	35.05	33.59	32.36	31.02	30.08
315.0	44.42	40.79	38.10	35.52	33.83	32.42	30.96	29.85	28.85
360.0	39.33	36.52	34.70	33.18	31.95	30.61	29.67	28.62	27.86
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.10	26.39	25.46	24.76	24.11	23.41	22.77	22.18	21.59
45.0	28.09	27.33	26.63	25.75	25.11	24.29	23.64	23.00	22.24
90.0	26.57	25.93	25.05	24.46	23.88	23.29	22.59	22.00	21.42
135.0	26.74	26.04	25.34	24.64	23.99	23.41	22.88	22.12	21.59
180.0	28.68	27.80	27.10	26.45	25.63	25.05	24.46	23.76	23.17
225.0	28.21	27.33	26.63	25.93	25.16	24.52	23.70	23.17	22.59
270.0	29.03	28.21	27.45	26.63	25.69	25.05	24.40	23.76	23.00
315.0	27.86	26.98	26.10	25.34	24.64	23.99	23.12	22.53	21.89
360.0	27.10	26.39	25.46	24.76	24.11	23.41	22.77	22.18	21.59
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.89	20.31	19.72	19.02	18.43	17.85	17.26	16.80	16.27
45.0	21.71	21.13	20.54	19.84	19.37	19.14	19.31	20.01	19.49
90.0	20.72	20.13	19.49	18.90	18.38	17.91	17.32	16.85	16.39
135.0	20.89	20.31	19.78	19.08	18.55	18.08	17.67	17.09	16.74
180.0	22.59	21.89	21.30	20.72	20.07	19.55	19.08	18.73	19.14
225.0	22.00	21.42	20.95	20.89	21.13	22.06	23.35	24.29	23.17
270.0	22.41	21.83	21.07	20.48	19.84	19.14	18.55	18.02	17.50
315.0	21.36	20.60	20.01	19.49	18.79	18.20	17.67	17.09	16.62
360.0	20.89	20.31	19.72	19.02	18.43	17.85	17.26	16.80	16.27
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.74	15.33	15.04	14.75	14.40	14.10	13.69	13.23	12.82
45.0	18.32	16.85	16.21	15.57	15.04	14.63	14.28	13.87	13.52
90.0	15.98	15.57	15.27	14.92	14.57	14.22	13.87	13.40	12.99
135.0	16.44	16.27	16.15	15.98	15.57	15.16	14.69	14.16	13.34
180.0	19.78	19.96	19.90	19.90	19.78	19.72	18.55	17.38	16.62
225.0	21.13	20.13	20.19	19.49	18.02	17.56	16.50	15.63	14.81
270.0	17.03	16.56	16.04	15.68	15.39	15.10	14.75	14.46	14.10
315.0	16.15	15.57	15.22	14.86	14.63	14.28	13.99	13.69	13.28
360.0	15.74	15.33	15.04	14.75	14.40	14.10	13.69	13.23	12.82
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.47	12.00	11.47	10.71	9.95	9.54	9.31	9.19	9.01
45.0	13.17	12.58	12.06	11.24	10.36	9.77	9.42	9.31	9.13
90.0	12.47	11.94	10.94	10.18	9.54	9.42	9.25	9.07	9.07
135.0	12.70	11.94	11.12	10.42	9.66	9.42	9.25	9.13	9.01
180.0	15.04	13.34	12.47	11.82	10.83	10.01	9.54	9.31	9.13
225.0	13.46	12.64	12.06	10.94	10.30	9.60	9.42	9.25	9.13
270.0	13.64	13.28	12.87	12.35	11.47	10.48	9.77	9.36	9.25
315.0	12.87	12.47	12.11	11.76	11.06	10.24	9.66	9.42	9.19
360.0	12.47	12.00	11.47	10.71	9.95	9.54	9.31	9.19	9.01

Intensity data(cd)

C/γ(°)	90.0
0.0	9.07
45.0	9.07
90.0	9.07
135.0	9.07
180.0	9.07
225.0	9.07
270.0	9.07
315.0	9.13
360.0	9.07