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NT

Client:

LumCAT: 3-2833-L

Luminaire: 92.70.411.00

Report No: 2024408-B023

Ballast type: AC

Test No: 2024408-C023

Voltage(V): 34.910

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.401

Lamp flux(lm): 2378.0

Power (W): 13.998

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2047.63, Efficiency(%): 86.11% , Luminous Efficacy(lm/W): 146.28

Central intensity(cd): 7239.000, Maximum intensity(cd): 7239.000

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=24.2

[C90/270]Total=24.2

Field angle(10%Imax): [C0/180]Total=59.0

[C90/270]Total=59.0

Maximum s/h(1/2): C0_180=0.41 C90_270=0.41

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(%): 86.11%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.992%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/08
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	7238.999	0.000	0	0.00%	0.00%
1.0	7207.690	6.912	6.912	0.29%	0.34%
2.0	7125.831	20.573	27.485	0.87%	1.34%
3.0	6972.795	33.719	61.205	1.42%	2.99%
4.0	6764.235	45.982	107.187	1.93%	5.23%
5.0	6488.594	57.013	164.2	2.40%	8.02%
6.0	6145.140	66.394	230.593	2.79%	11.26%
7.0	5740.677	73.775	304.368	3.10%	14.86%
8.0	5329.483	79.227	383.596	3.33%	18.73%
9.0	4900.513	82.909	466.504	3.49%	22.78%
10.0	4475.420	84.849	551.353	3.57%	26.93%
11.0	4034.600	85.033	636.385	3.58%	31.08%
12.0	3644.328	83.942	720.327	3.53%	35.18%
13.0	3276.294	82.130	802.457	3.45%	39.19%
14.0	2938.985	79.555	882.012	3.35%	43.07%
15.0	2634.376	76.514	958.526	3.22%	46.81%
16.0	2374.170	73.389	1031.915	3.09%	50.40%
17.0	2139.934	70.297	1102.212	2.96%	53.83%
18.0	1945.200	67.355	1169.567	2.83%	57.12%
19.0	1758.586	64.438	1234.005	2.71%	60.26%
20.0	1599.625	61.465	1295.47	2.58%	63.27%
21.0	1419.990	57.983	1353.453	2.44%	66.10%
22.0	1296.449	54.588	1408.041	2.30%	68.76%
23.0	1209.272	52.577	1460.617	2.21%	71.33%
24.0	1114.305	50.802	1511.419	2.14%	73.81%
25.0	1020.925	48.550	1559.97	2.04%	76.18%
26.0	937.969	46.240	1606.21	1.94%	78.44%
27.0	865.050	44.111	1650.321	1.85%	80.60%
28.0	808.108	42.361	1692.682	1.78%	82.67%
29.0	756.667	40.939	1733.621	1.72%	84.66%
30.0	693.865	39.164	1772.785	1.65%	86.58%
31.0	613.111	36.371	1809.156	1.53%	88.35%
32.0	514.618	32.308	1841.464	1.36%	89.93%
33.0	415.539	27.403	1868.867	1.15%	91.27%
34.0	321.508	22.305	1891.172	0.94%	92.36%
35.0	247.645	17.676	1908.848	0.74%	93.22%
36.0	188.143	13.876	1922.723	0.58%	93.90%
37.0	117.016	9.953	1932.676	0.42%	94.39%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	79.664	6.565	1939.241	0.28%	94.71%
39.0	70.688	5.132	1944.373	0.22%	94.96%
40.0	64.382	4.711	1949.083	0.20%	95.19%
41.0	58.961	4.392	1953.476	0.18%	95.40%
42.0	54.214	4.112	1957.587	0.17%	95.60%
43.0	49.744	3.851	1961.438	0.16%	95.79%
44.0	45.801	3.606	1965.045	0.15%	95.97%
45.0	42.575	3.396	1968.441	0.14%	96.13%
46.0	39.488	3.209	1971.65	0.13%	96.29%
47.0	36.869	3.037	1974.687	0.13%	96.44%
48.0	34.521	2.886	1977.573	0.12%	96.58%
49.0	32.509	2.753	1980.326	0.12%	96.71%
50.0	30.834	2.641	1982.967	0.11%	96.84%
51.0	29.393	2.548	1985.515	0.11%	96.97%
52.0	28.222	2.472	1987.987	0.10%	97.09%
53.0	27.264	2.414	1990.401	0.10%	97.20%
54.0	26.555	2.372	1992.773	0.10%	97.32%
55.0	26.028	2.347	1995.12	0.10%	97.44%
56.0	25.574	2.332	1997.452	0.10%	97.55%
57.0	25.084	2.316	1999.768	0.10%	97.66%
58.0	24.492	2.293	2002.061	0.10%	97.77%
59.0	23.789	2.257	2004.318	0.09%	97.88%
60.0	22.824	2.202	2006.52	0.09%	97.99%
61.0	21.822	2.131	2008.651	0.09%	98.10%
62.0	20.732	2.050	2010.701	0.09%	98.20%
63.0	19.693	1.966	2012.667	0.08%	98.29%
64.0	18.632	1.881	2014.548	0.08%	98.38%
65.0	17.608	1.793	2016.341	0.08%	98.47%
66.0	16.701	1.712	2018.053	0.07%	98.56%
67.0	15.889	1.639	2019.692	0.07%	98.64%
68.0	15.091	1.569	2021.261	0.07%	98.71%
69.0	14.484	1.509	2022.77	0.06%	98.79%
70.0	13.950	1.460	2024.23	0.06%	98.86%
71.0	13.489	1.418	2025.648	0.06%	98.93%
72.0	13.138	1.385	2027.033	0.06%	98.99%
73.0	12.773	1.355	2028.388	0.06%	99.06%
74.0	12.436	1.325	2029.713	0.06%	99.12%
75.0	12.136	1.298	2031.012	0.05%	99.19%

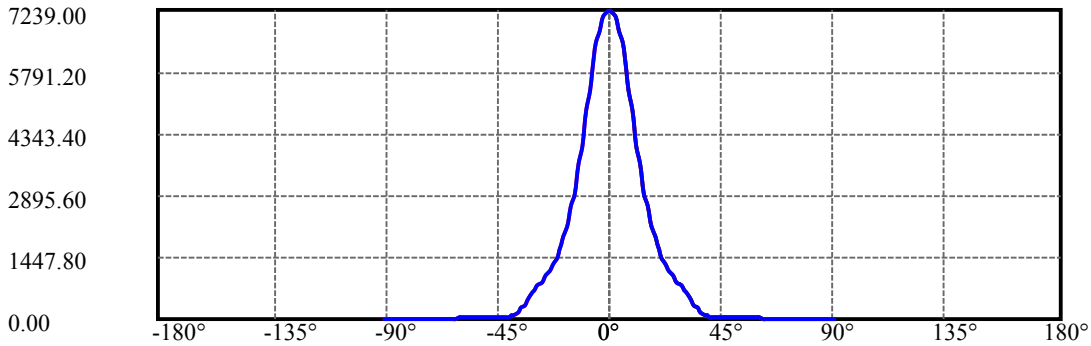
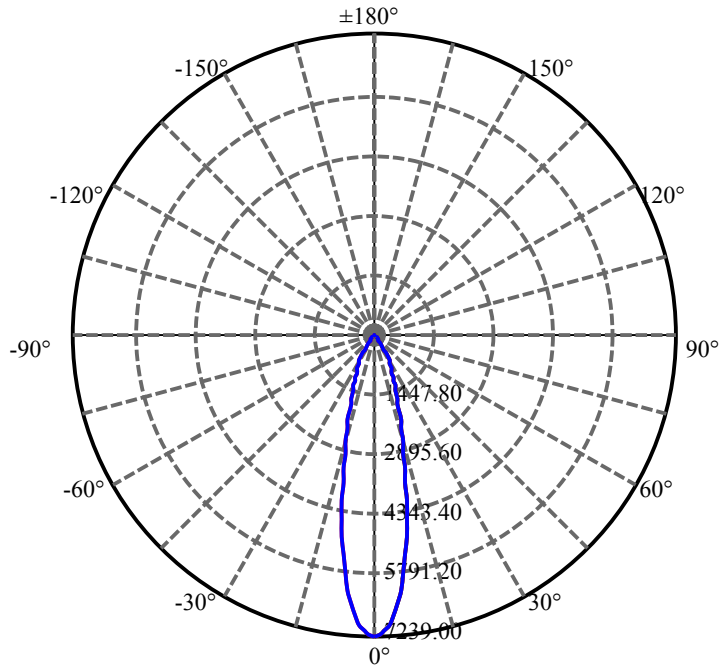
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.836	1.273	2032.284	0.05%	99.25%
77.0	11.551	1.247	2033.531	0.05%	99.31%
78.0	11.273	1.222	2034.753	0.05%	99.37%
79.0	11.017	1.198	2035.95	0.05%	99.43%
80.0	10.761	1.174	2037.124	0.05%	99.49%
81.0	10.468	1.148	2038.273	0.05%	99.54%
82.0	10.241	1.123	2039.396	0.05%	99.60%
83.0	9.978	1.099	2040.495	0.05%	99.65%
84.0	9.773	1.076	2041.571	0.05%	99.70%
85.0	9.576	1.056	2042.627	0.04%	99.76%
86.0	9.386	1.036	2043.663	0.04%	99.81%
87.0	9.210	1.018	2044.681	0.04%	99.86%
88.0	9.012	0.998	2045.679	0.04%	99.90%
89.0	8.881	0.981	2046.66	0.04%	99.95%
90.0	8.859	0.973	2047.632	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1772.78	74.55%	86.58%
0-40	1949.08	81.96%	95.19%
0-60	2006.52	84.38%	97.99%
0-90	2046.66	86.07%	99.95%
0-120	2046.66	86.07%	99.95%
0-180	2047.63	86.11%	100.00%
60-90	40.14	1.69%	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%
0-26.72	1638.11	68.89%	80.00%

ZONAL LUMEN SUMMARY

0-10	551.35
10-20	744.12
20-30	477.31
30-40	176.30
40-50	33.88
50-60	23.55
60-70	17.71
70-80	12.89
80-90	9.54
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: —————

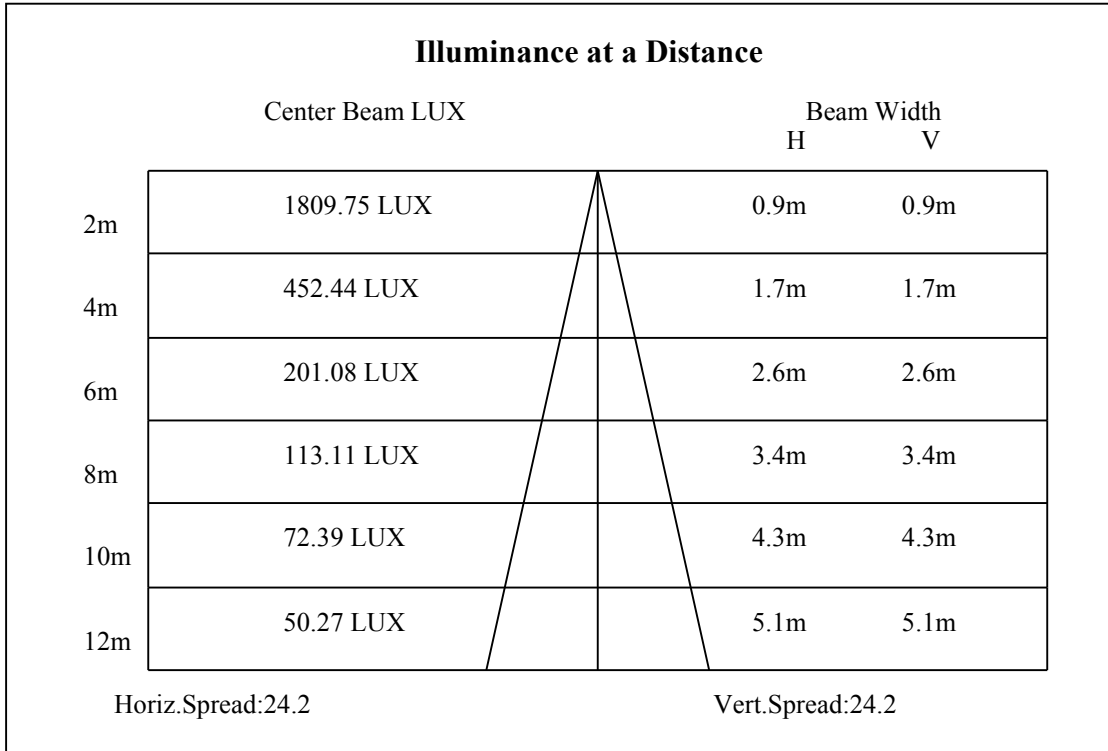
C90/C270: —————

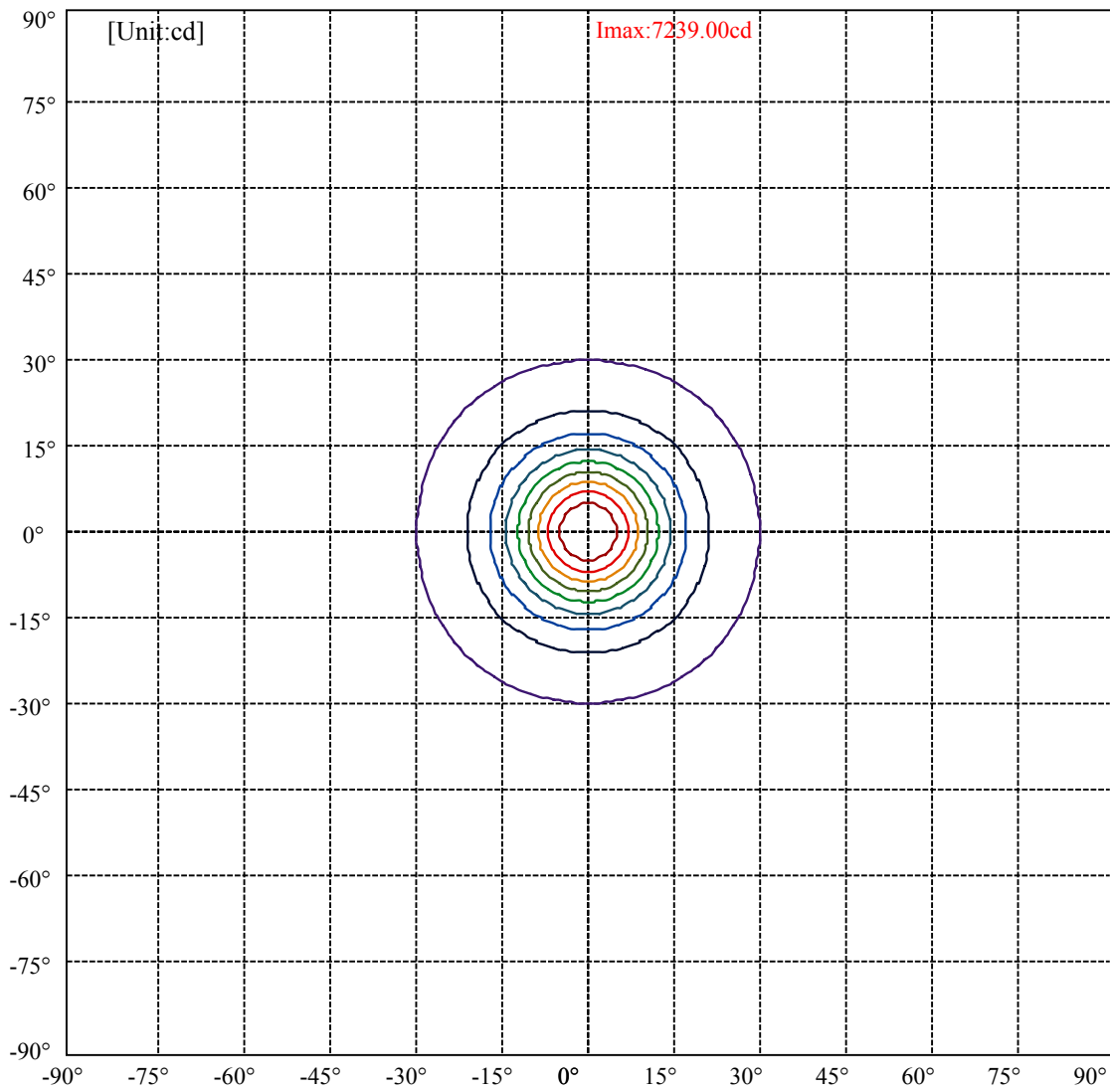
Field angle(10%Imax):C0/180Left:29.5 Right:29.5

:C90/270Left:29.5 Right:29.5

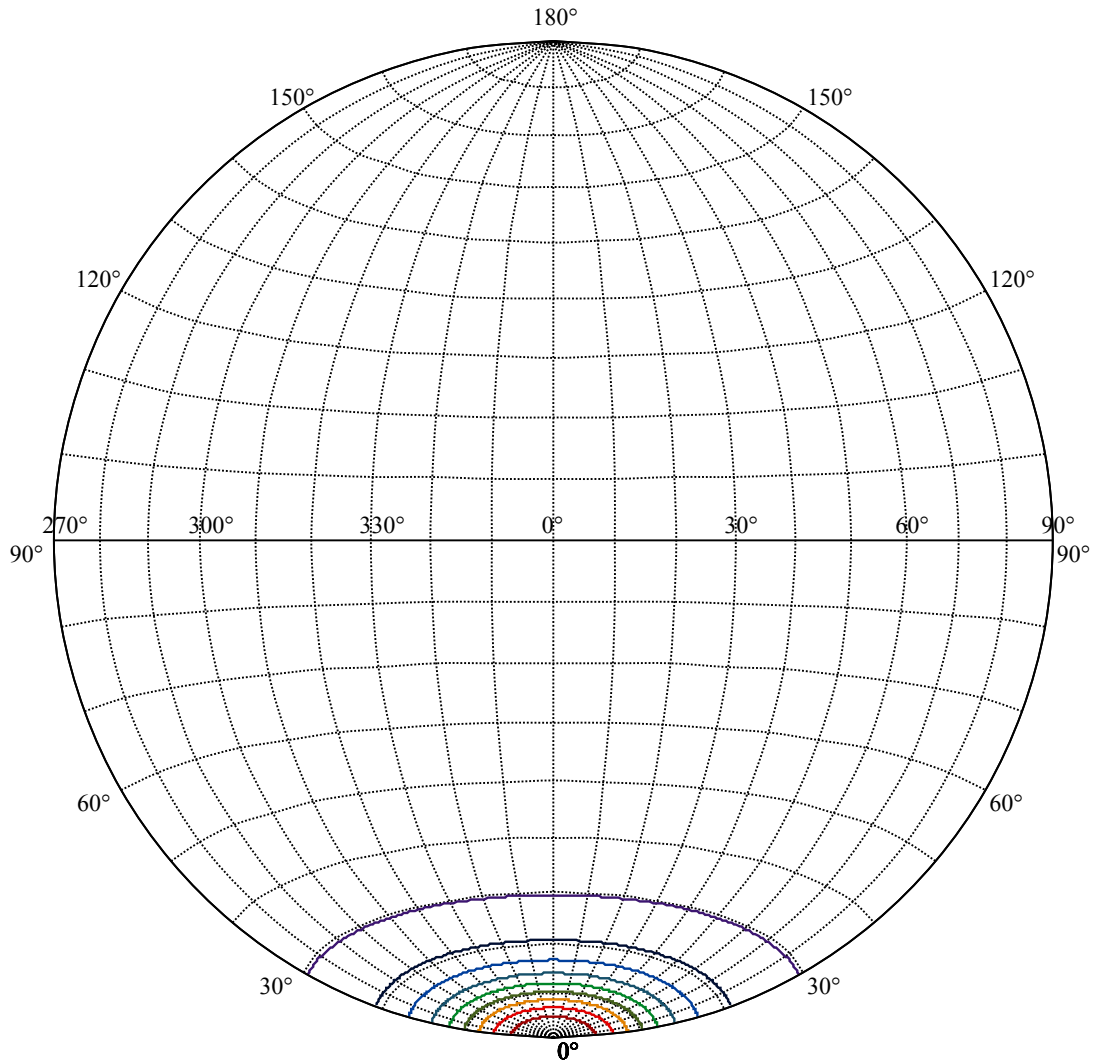
Beam Angle(50%Imax):C0/180Left:12.1 Right:12.1

:C90/270Left:12.1 Right:12.1





(10%Imax) 723.9	—
(20%Imax) 1447.8	—
(30%Imax) 2171.7	—
(40%Imax) 2895.6	—
(50%Imax) 3619.5	—
(60%Imax) 4343.4	—
(70%Imax) 5067.3	—
(80%Imax) 5791.2	—
(90%Imax) 6515.1	—



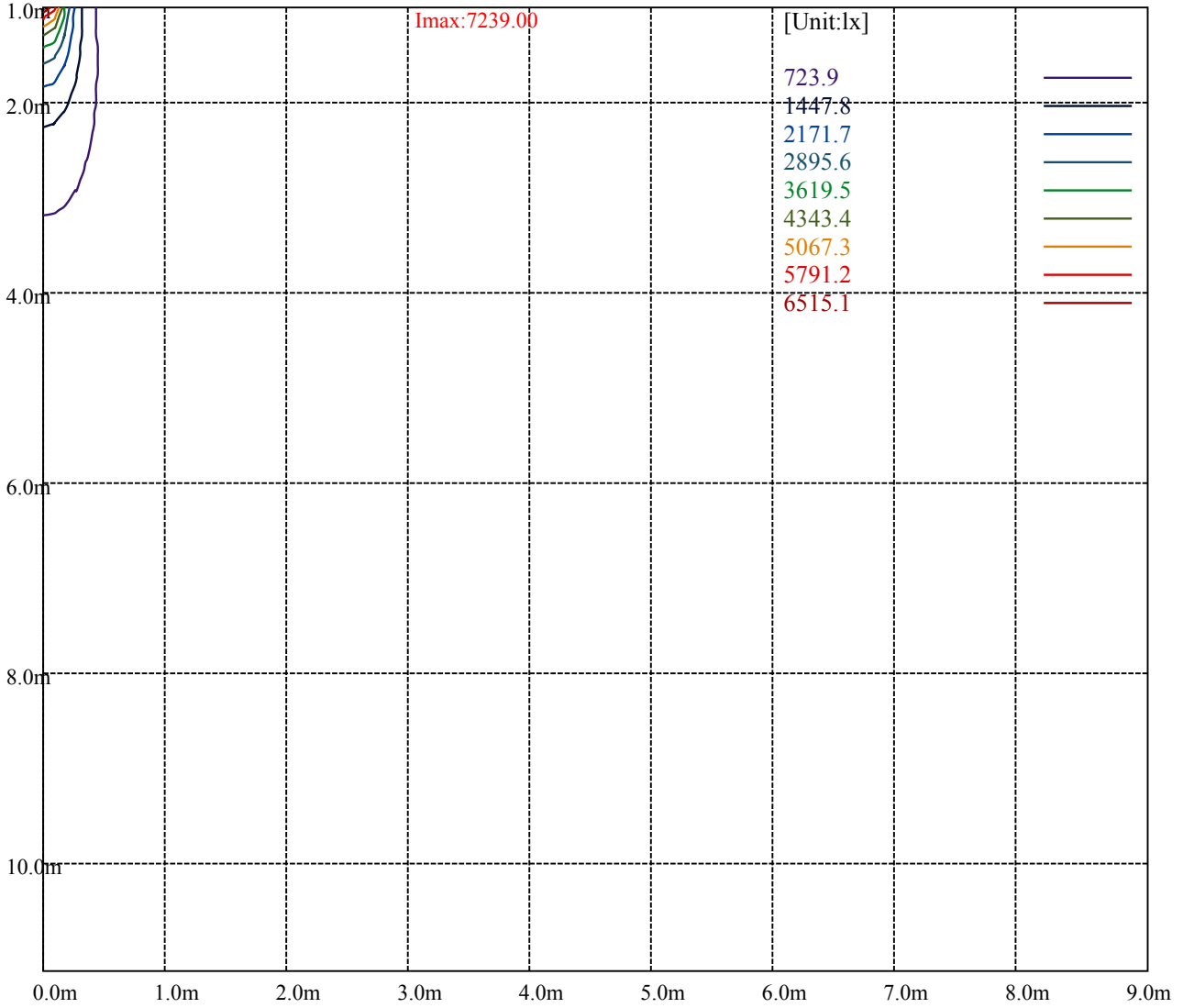
House

[Unit:cd]

Road

Imax:7239.00

(10%Imax) 723.9	—
(20%Imax) 1447.8	—
(30%Imax) 2171.7	—
(40%Imax) 2895.6	—
(50%Imax) 3619.5	—
(60%Imax) 4343.4	—
(70%Imax) 5067.3	—
(80%Imax) 5791.2	—
(90%Imax) 6515.1	—



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

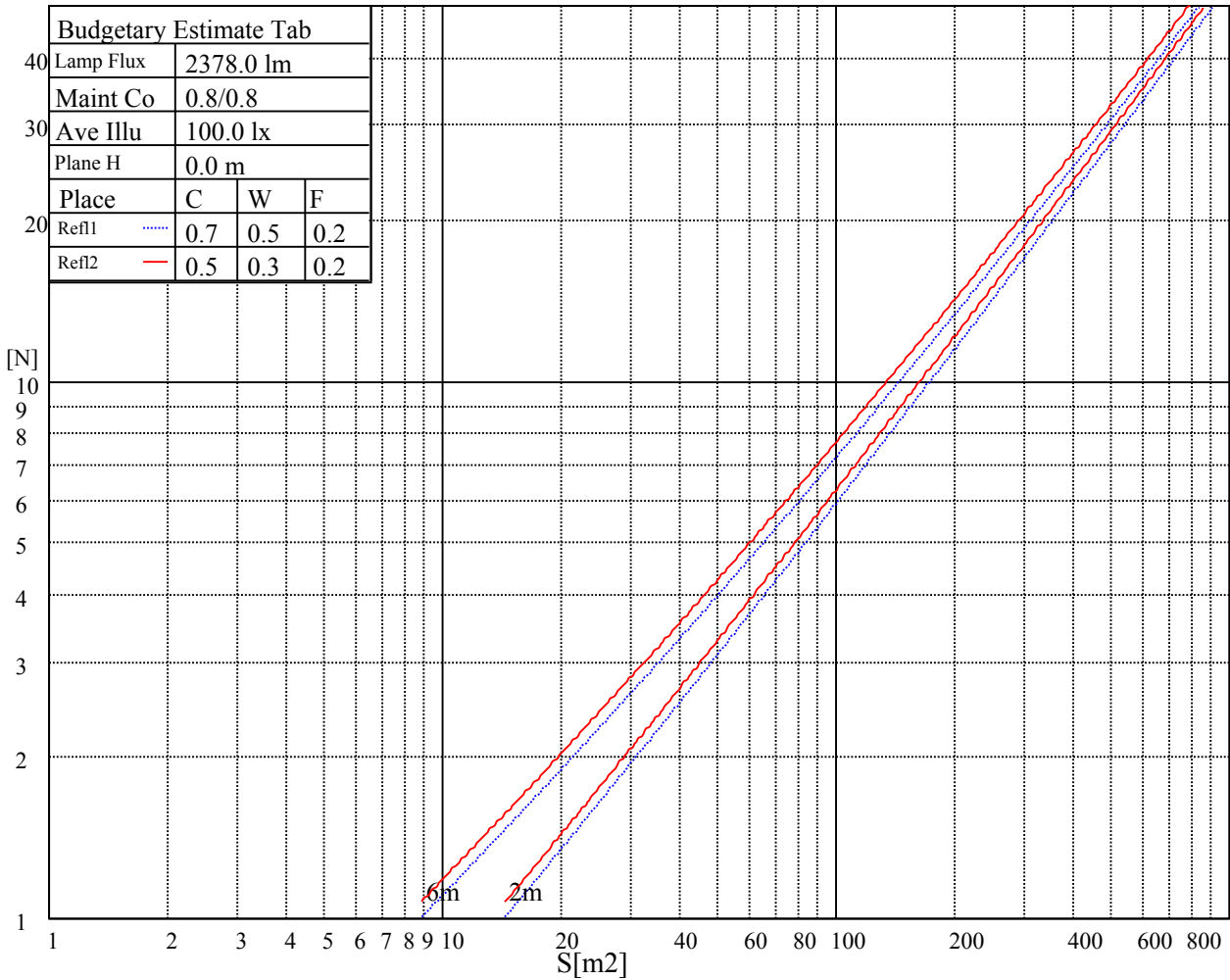
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

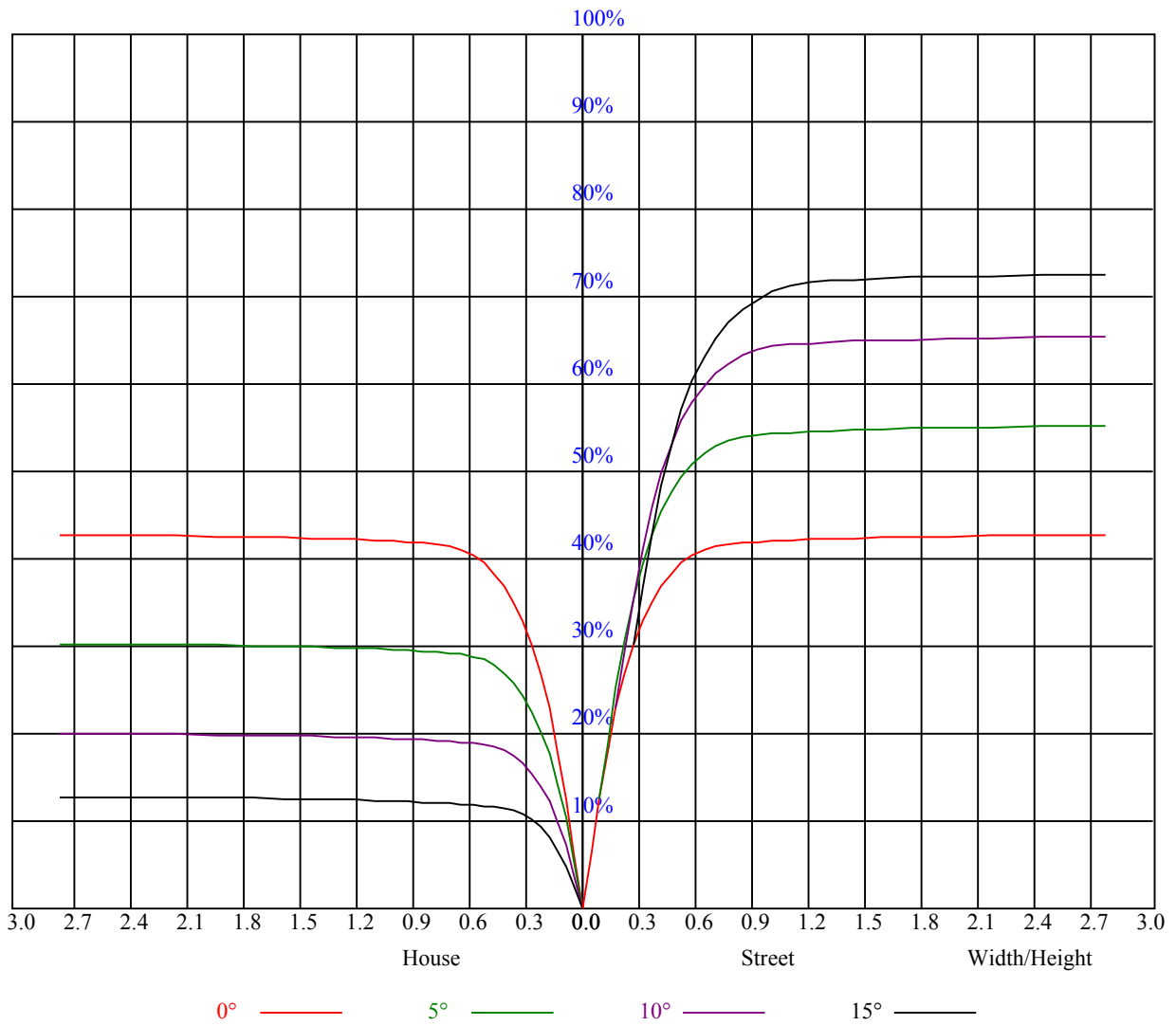


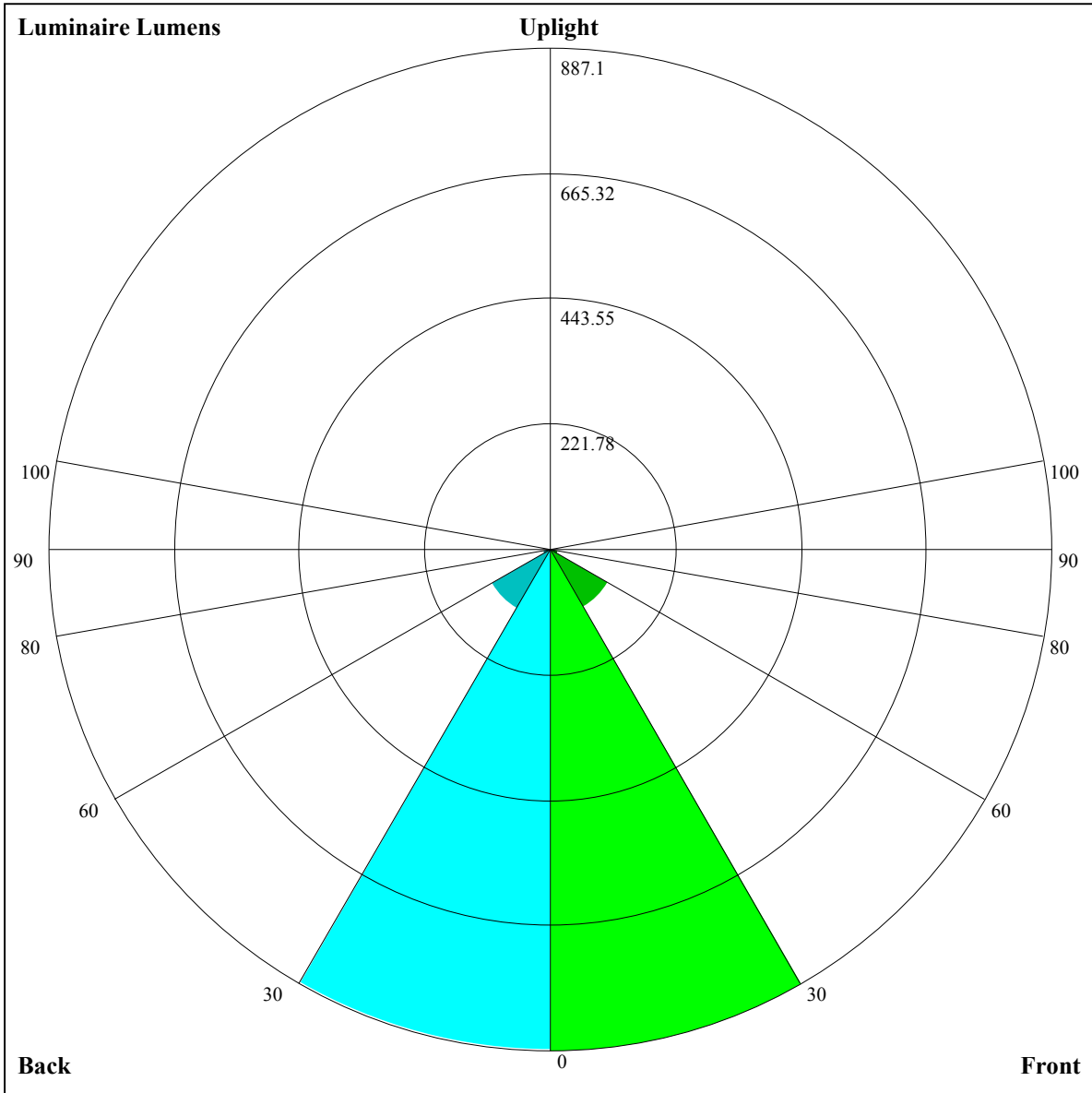
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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	1.03	1.03	1.03	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.86
1	0.96	0.94	0.92	0.94	0.93	0.91	0.91	0.89	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82
2	0.91	0.88	0.85	0.89	0.86	0.84	0.86	0.84	0.82	0.84	0.82	0.81	0.82	0.80	0.79	0.78
3	0.86	0.82	0.79	0.85	0.81	0.79	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.74
4	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.73	0.77	0.75	0.73	0.76	0.74	0.72	0.71
5	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.74	0.71	0.69	0.73	0.71	0.69	0.68
6	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
7	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
8	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60
9	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.56





Luminaire Lumens:

FL=887.1,FM=116.36,FH=15.31,FVH=5.27

BL=886.79,BM=119.88,BH=15.34,BVH=5.26

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	7260.95	7239.29	7162.63	7026.86	6756.48	6459.19	6109.22	5715.37	5309.22
45.0	7208.27	7253.92	7243.97	7176.09	7050.26	6865.92	6544.04	6207.54	5829.48
90.0	7249.24	7212.96	7118.15	6962.48	6796.86	6552.82	6244.99	5782.08	5388.81
135.0	7237.54	7234.61	7190.13	7078.35	6903.37	6718.44	6476.74	6084.06	5707.17
180.0	7260.95	7223.49	7132.78	6953.70	6786.33	6510.10	6205.20	5855.82	5467.23
225.0	7208.27	7078.35	6932.05	6743.61	6418.22	6077.62	5685.52	5185.74	4778.42
270.0	7249.24	7227.59	7156.78	6994.08	6819.10	6483.18	6146.09	5755.16	5243.09
315.0	7237.54	7191.30	7070.16	6847.19	6583.25	6241.48	5749.31	5339.65	4912.44
360.0	7260.95	7239.29	7162.63	7026.86	6756.48	6459.19	6109.22	5715.37	5309.22
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4788.37	4373.44	3971.98	3515.51	3172.56	2861.22	2526.47	2288.29	2040.15
45.0	5435.04	5020.12	4505.71	4119.46	3654.20	3307.75	2992.31	2642.35	2395.38
90.0	4982.08	4479.96	4088.44	3626.11	3285.51	2978.85	2632.40	2388.36	2175.93
135.0	5327.36	4927.65	4419.68	4035.18	3657.13	3232.84	2910.38	2629.47	2324.57
180.0	4961.01	4561.30	4158.08	3764.81	3309.51	2989.39	2696.78	2386.61	2167.73
225.0	4369.93	3983.69	3530.72	3196.56	2887.56	2552.22	2319.89	2111.55	1922.52
270.0	4834.02	4440.16	3948.57	3588.66	3246.89	2938.47	2590.26	2357.93	2141.40
315.0	4506.29	4017.04	3653.62	3308.34	2997.00	2651.13	2406.50	2188.80	1951.78
360.0	4788.37	4373.44	3971.98	3515.51	3172.56	2861.22	2526.47	2288.29	2040.15
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1863.41	1709.50	1571.39	1418.06	1147.80	1147.80	1100.28	986.98	910.43
45.0	2188.80	1993.92	1789.09	1643.96	1515.21	1391.72	1255.95	1155.88	1056.39
90.0	1982.22	1772.71	1625.81	1499.99	1301.60	1159.86	1134.46	1040.59	954.97
135.0	2113.89	1930.13	1730.57	1591.29	1463.71	1343.74	1213.82	1116.67	1023.62
180.0	1971.10	1756.32	1609.43	1475.41	1331.45	1224.35	1128.96	1037.66	938.17
225.0	1716.52	1574.90	1415.13	1146.75	1146.75	1099.81	990.73	912.60	850.45
270.0	1943.59	1733.49	1593.04	1436.20	1316.81	1208.55	1088.58	1000.21	919.45
315.0	1782.07	1597.72	1462.54	1148.27	1148.27	1098.35	1001.67	916.81	850.27
360.0	1863.41	1709.50	1571.39	1418.06	1147.80	1147.80	1100.28	986.98	910.43
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	847.64	796.61	744.00	680.97	599.45	478.48	375.77	275.58	171.06
45.0	952.80	884.33	828.15	774.31	722.81	618.64	526.76	429.61	334.81
90.0	868.18	813.93	762.55	709.94	633.39	521.26	434.06	346.63	258.90
135.0	943.44	859.17	805.91	755.00	704.67	626.83	516.81	424.35	330.13
180.0	875.56	821.71	777.82	725.74	655.51	575.92	448.34	349.44	304.96
225.0	785.49	745.17	689.57	605.88	492.53	399.18	307.59	221.27	129.45
270.0	858.58	795.96	752.07	687.11	599.33	490.48	397.43	313.74	313.74
315.0	788.71	747.98	693.26	611.97	497.21	406.15	317.54	211.44	138.11
360.0	847.64	796.61	744.00	680.97	599.45	478.48	375.77	275.58	171.06
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	114.24	85.38	75.38	68.88	63.73	58.82	53.20	49.10	45.47
45.0	310.81	203.78	94.57	78.48	70.11	64.37	59.40	54.60	49.33
90.0	155.90	101.19	80.53	73.39	65.78	60.57	55.60	50.33	46.53
135.0	307.30	201.67	92.35	77.48	70.70	63.50	58.58	54.13	50.04
180.0	304.96	103.70	82.22	73.39	67.13	62.03	56.94	51.38	47.64
225.0	87.96	75.26	67.53	62.38	56.36	51.91	48.16	44.77	41.08
270.0	130.51	88.54	74.56	68.47	63.09	56.77	52.26	48.46	44.18
315.0	93.46	76.61	70.17	63.03	58.17	53.72	49.57	45.18	42.14
360.0	114.24	85.38	75.38	68.88	63.73	58.82	53.20	49.10	45.47

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	42.31	38.51	36.17	33.47	31.72	30.08	28.68	27.74	26.98
45.0	45.94	42.72	39.15	36.69	33.88	32.07	30.26	28.97	27.62
90.0	43.25	39.56	37.10	34.82	32.60	30.72	29.44	27.97	27.15
135.0	45.59	42.60	39.74	36.75	34.53	32.25	30.55	29.44	28.03
180.0	44.18	40.50	37.86	35.58	33.30	31.66	30.26	28.79	27.86
225.0	38.62	36.28	34.24	32.25	30.61	29.38	28.09	27.27	26.51
270.0	41.26	38.68	36.40	33.88	32.25	30.67	29.44	28.03	27.33
315.0	39.44	37.04	34.29	32.71	31.19	29.85	28.44	27.56	26.63
360.0	42.31	38.51	36.17	33.47	31.72	30.08	28.68	27.74	26.98
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	26.10	25.69	25.22	24.76	24.11	23.23	22.47	21.42	20.25
45.0	26.80	26.10	25.63	25.28	24.76	24.46	23.53	22.77	21.71
90.0	26.51	25.98	25.69	25.22	24.76	23.99	23.00	21.95	20.72
135.0	27.33	26.74	26.34	25.75	25.22	24.76	23.88	22.82	21.77
180.0	27.10	26.51	25.93	25.34	24.99	24.17	23.12	22.24	20.89
225.0	25.93	25.52	25.05	24.52	23.58	22.88	21.59	20.72	19.66
270.0	26.57	25.98	25.69	25.05	24.58	23.70	23.00	21.65	20.78
315.0	26.10	25.69	25.05	24.76	23.94	23.12	22.00	21.01	20.07
360.0	26.10	25.69	25.22	24.76	24.11	23.23	22.47	21.42	20.25
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.25	18.32	17.32	16.33	15.68	14.81	14.22	13.81	13.28
45.0	20.60	19.61	18.49	17.56	16.56	15.80	15.16	14.34	13.81
90.0	19.72	18.67	17.73	16.68	15.92	15.27	14.46	13.99	13.58
135.0	20.78	19.49	18.55	17.73	16.56	15.80	15.16	14.40	13.93
180.0	19.90	18.84	17.73	16.74	15.98	15.10	14.51	13.99	13.58
225.0	18.61	17.62	16.50	15.80	15.16	14.34	13.93	13.52	13.05
270.0	19.66	18.61	17.56	16.62	15.92	14.98	14.40	13.93	13.46
315.0	19.02	17.91	16.97	16.15	15.33	14.63	14.05	13.64	13.23
360.0	19.25	18.32	17.32	16.33	15.68	14.81	14.22	13.81	13.28
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.99	12.70	12.35	12.00	11.70	11.47	11.12	10.94	10.71
45.0	13.40	13.05	12.70	12.35	12.00	11.76	11.53	11.24	10.94
90.0	13.23	12.82	12.52	12.23	11.88	11.65	11.29	11.06	10.77
135.0	13.58	13.17	12.76	12.47	12.23	11.94	11.65	11.35	11.12
180.0	13.11	12.82	12.47	12.17	11.82	11.53	11.29	10.94	10.77
225.0	12.76	12.29	12.00	11.76	11.53	11.18	10.94	10.71	10.48
270.0	13.11	12.76	12.41	12.11	11.82	11.53	11.24	11.00	10.77
315.0	12.93	12.58	12.29	12.00	11.70	11.35	11.12	10.89	10.53
360.0	12.99	12.70	12.35	12.00	11.70	11.47	11.12	10.94	10.71
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.36	10.18	9.95	9.71	9.54	9.36	9.19	9.01	8.84
45.0	10.77	10.48	10.18	10.01	9.71	9.54	9.36	9.19	9.01
90.0	10.53	10.30	10.07	9.83	9.60	9.48	9.31	9.07	8.90
135.0	10.77	10.53	10.18	10.01	9.77	9.54	9.42	9.19	9.01
180.0	10.48	10.24	10.01	9.71	9.60	9.36	9.19	8.95	8.78
225.0	10.12	9.95	9.71	9.60	9.36	9.19	8.95	8.72	8.84
270.0	10.48	10.24	9.89	9.71	9.54	9.31	9.19	9.01	8.84
315.0	10.24	10.01	9.83	9.60	9.48	9.31	9.07	8.95	8.84
360.0	10.36	10.18	9.95	9.71	9.54	9.36	9.19	9.01	8.84

Intensity data(cd)

C/γ(°)	90.0
0.0	8.84
45.0	8.78
90.0	8.84
135.0	8.84
180.0	8.90
225.0	8.84
270.0	8.90
315.0	8.95
360.0	8.84