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NT

Client:

LumCAT: 3-2807-L

Luminaire: 92.70.411.00

Report No: 2024408-B018

Ballast type: AC

Test No: 2024408-C018

Voltage(V): 34.950

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.401

Lamp flux(lm): 2378.0

Power (W): 14.014

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2001.64, Efficiency(%): 84.17% , Luminous Efficacy(lm/W): 142.83

Central intensity(cd): 4569.203, Maximum intensity(cd): 4569.203

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=35.6

[C90/270]Total=35.6

Field angle(10%Imax): [C0/180]Total=64.8

[C90/270]Total=64.8

Maximum s/h(1/2): C0_180=0.59 C90_270=0.59

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(%): 84.17%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.661%

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	4569.203	0.000	0	0.00%	0.00%
1.0	4561.961	4.369	4.369	0.18%	0.22%
2.0	4535.333	13.057	17.426	0.55%	0.87%
3.0	4497.732	21.604	39.031	0.91%	1.95%
4.0	4441.185	29.921	68.952	1.26%	3.44%
5.0	4379.297	37.945	106.897	1.60%	5.34%
6.0	4292.830	45.574	152.472	1.92%	7.62%
7.0	4197.073	52.697	205.168	2.22%	10.25%
8.0	4082.442	59.255	264.423	2.49%	13.21%
9.0	3950.181	65.100	329.523	2.74%	16.46%
10.0	3797.657	70.115	399.638	2.95%	19.97%
11.0	3628.527	74.203	473.841	3.12%	23.67%
12.0	3453.105	77.412	551.253	3.26%	27.54%
13.0	3263.127	79.705	630.958	3.35%	31.52%
14.0	3057.713	80.906	711.864	3.40%	35.56%
15.0	2860.492	81.248	793.112	3.42%	39.62%
16.0	2661.077	80.906	874.019	3.40%	43.67%
17.0	2454.565	79.664	953.683	3.35%	47.65%
18.0	2254.126	77.636	1031.319	3.26%	51.52%
19.0	2066.634	75.172	1106.491	3.16%	55.28%
20.0	1890.043	72.418	1178.91	3.05%	58.90%
21.0	1715.499	69.234	1248.143	2.91%	62.36%
22.0	1571.680	66.057	1314.201	2.78%	65.66%
23.0	1357.934	61.471	1375.672	2.58%	68.73%
24.0	1251.818	57.059	1432.73	2.40%	71.58%
25.0	1172.871	55.132	1487.862	2.32%	74.33%
26.0	1062.988	52.778	1540.64	2.22%	76.97%
27.0	966.221	49.645	1590.285	2.09%	79.45%
28.0	877.845	46.688	1636.973	1.96%	81.78%
29.0	799.103	43.874	1680.847	1.84%	83.97%
30.0	693.894	40.311	1721.157	1.70%	85.99%
31.0	592.284	35.792	1756.95	1.51%	87.78%
32.0	490.711	31.027	1787.976	1.30%	89.33%
33.0	394.749	26.086	1814.062	1.10%	90.63%
34.0	298.421	20.977	1835.04	0.88%	91.68%
35.0	235.904	16.594	1851.634	0.70%	92.51%
36.0	197.550	13.801	1865.435	0.58%	93.20%
37.0	109.240	10.006	1875.441	0.42%	93.70%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	80.768	6.342	1881.783	0.27%	94.01%
39.0	71.983	5.214	1886.997	0.22%	94.27%
40.0	65.574	4.798	1891.794	0.20%	94.51%
41.0	60.285	4.482	1896.276	0.19%	94.74%
42.0	56.035	4.226	1900.502	0.18%	94.95%
43.0	52.056	4.004	1904.506	0.17%	95.15%
44.0	48.749	3.805	1908.311	0.16%	95.34%
45.0	45.860	3.636	1911.947	0.15%	95.52%
46.0	43.504	3.495	1915.442	0.15%	95.69%
47.0	41.149	3.367	1918.809	0.14%	95.86%
48.0	39.195	3.248	1922.057	0.14%	96.02%
49.0	37.535	3.151	1925.208	0.13%	96.18%
50.0	36.072	3.069	1928.276	0.13%	96.33%
51.0	34.631	2.991	1931.268	0.13%	96.48%
52.0	33.394	2.919	1934.187	0.12%	96.63%
53.0	32.100	2.849	1937.036	0.12%	96.77%
54.0	30.936	2.778	1939.814	0.12%	96.91%
55.0	29.803	2.711	1942.525	0.11%	97.05%
56.0	28.508	2.635	1945.16	0.11%	97.18%
57.0	27.198	2.547	1947.707	0.11%	97.31%
58.0	25.947	2.458	1950.165	0.10%	97.43%
59.0	24.718	2.369	1952.534	0.10%	97.55%
60.0	23.504	2.278	1954.812	0.10%	97.66%
61.0	22.231	2.183	1956.994	0.09%	97.77%
62.0	21.141	2.090	1959.084	0.09%	97.87%
63.0	20.088	2.005	1961.09	0.08%	97.97%
64.0	19.159	1.926	1963.015	0.08%	98.07%
65.0	18.281	1.853	1964.868	0.08%	98.16%
66.0	17.571	1.789	1966.657	0.08%	98.25%
67.0	17.008	1.739	1968.396	0.07%	98.34%
68.0	16.701	1.708	1970.103	0.07%	98.42%
69.0	16.650	1.701	1971.805	0.07%	98.51%
70.0	16.745	1.715	1973.52	0.07%	98.60%
71.0	16.869	1.737	1975.257	0.07%	98.68%
72.0	16.833	1.752	1977.01	0.07%	98.77%
73.0	16.811	1.759	1978.769	0.07%	98.86%
74.0	16.840	1.769	1980.538	0.07%	98.95%
75.0	16.847	1.780	1982.318	0.07%	99.03%

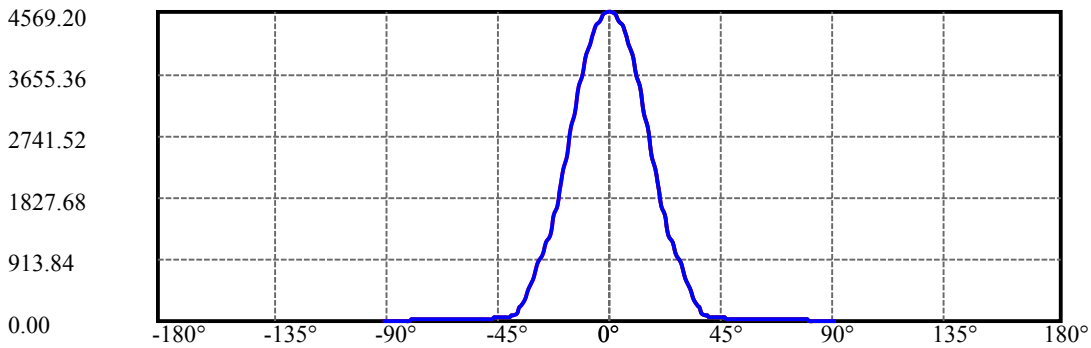
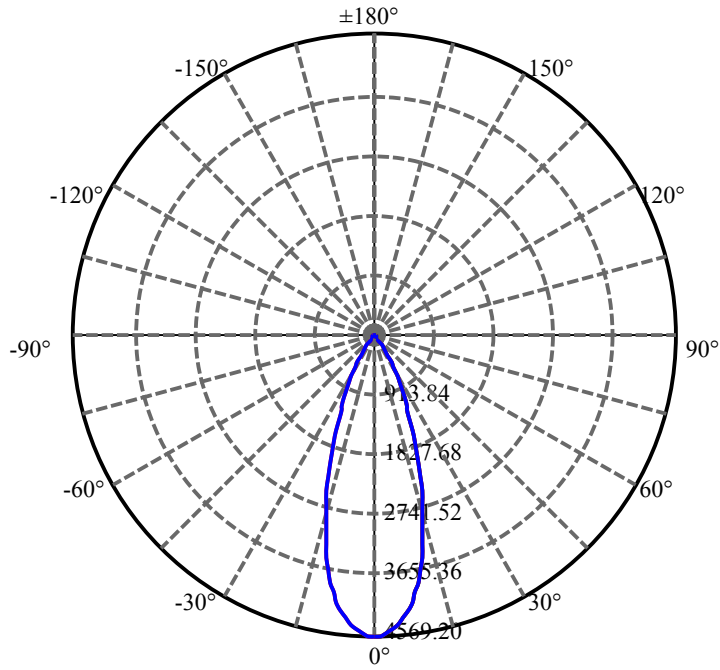
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.547	1.773	1984.091	0.07%	99.12%
77.0	16.269	1.750	1985.84	0.07%	99.21%
78.0	15.794	1.716	1987.557	0.07%	99.30%
79.0	14.996	1.654	1989.211	0.07%	99.38%
80.0	13.892	1.557	1990.768	0.07%	99.46%
81.0	12.436	1.424	1992.192	0.06%	99.53%
82.0	10.900	1.265	1993.458	0.05%	99.59%
83.0	10.154	1.144	1994.602	0.05%	99.65%
84.0	9.824	1.088	1995.69	0.05%	99.70%
85.0	9.517	1.056	1996.746	0.04%	99.76%
86.0	9.210	1.024	1997.77	0.04%	99.81%
87.0	8.910	0.992	1998.761	0.04%	99.86%
88.0	8.800	0.970	1999.731	0.04%	99.90%
89.0	8.669	0.958	2000.689	0.04%	99.95%
90.0	8.632	0.949	2001.638	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1721.16	72.38%	85.99%
0-40	1891.79	79.55%	94.51%
0-60	1954.81	82.20%	97.66%
0-90	2000.69	84.13%	99.95%
0-120	2000.69	84.13%	99.95%
0-180	2001.64	84.17%	100.00%
60-90	45.88	1.93%	2.29%
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%
0-27.24	1601.31	67.34%	80.00%

ZONAL LUMEN SUMMARY

0-10	399.64
10-20	779.27
20-30	542.25
30-40	170.64
40-50	36.48
50-60	26.54
60-70	18.71
70-80	17.25
80-90	9.92
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



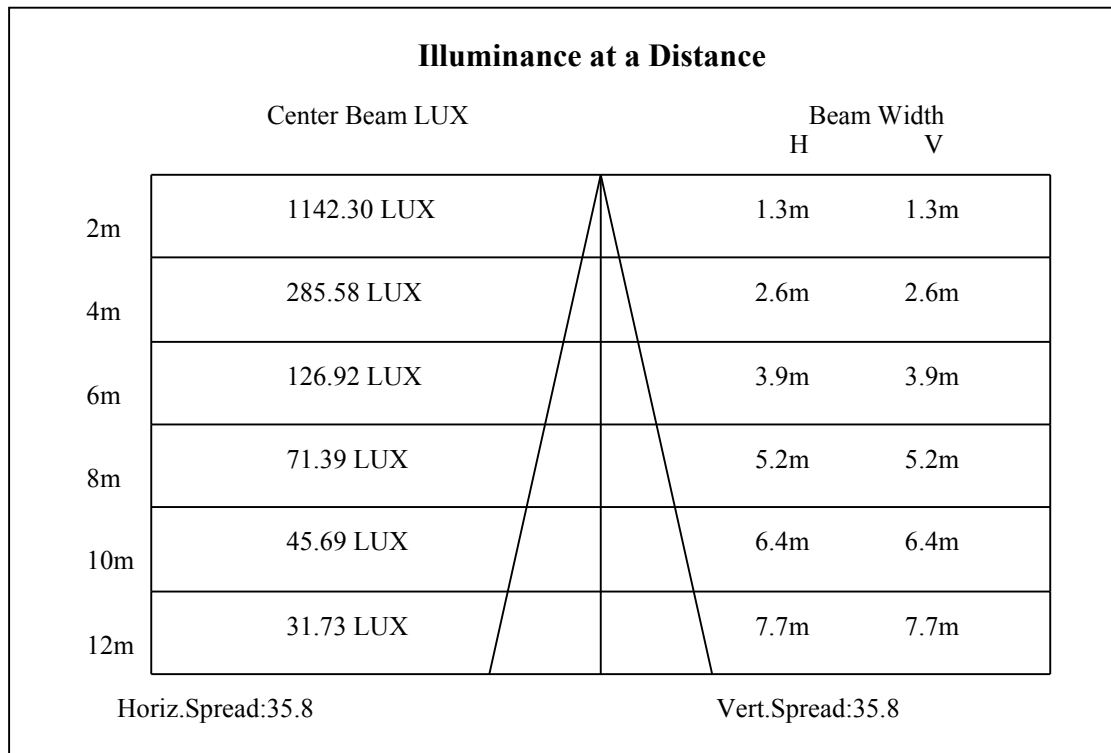
C0(Max): —————

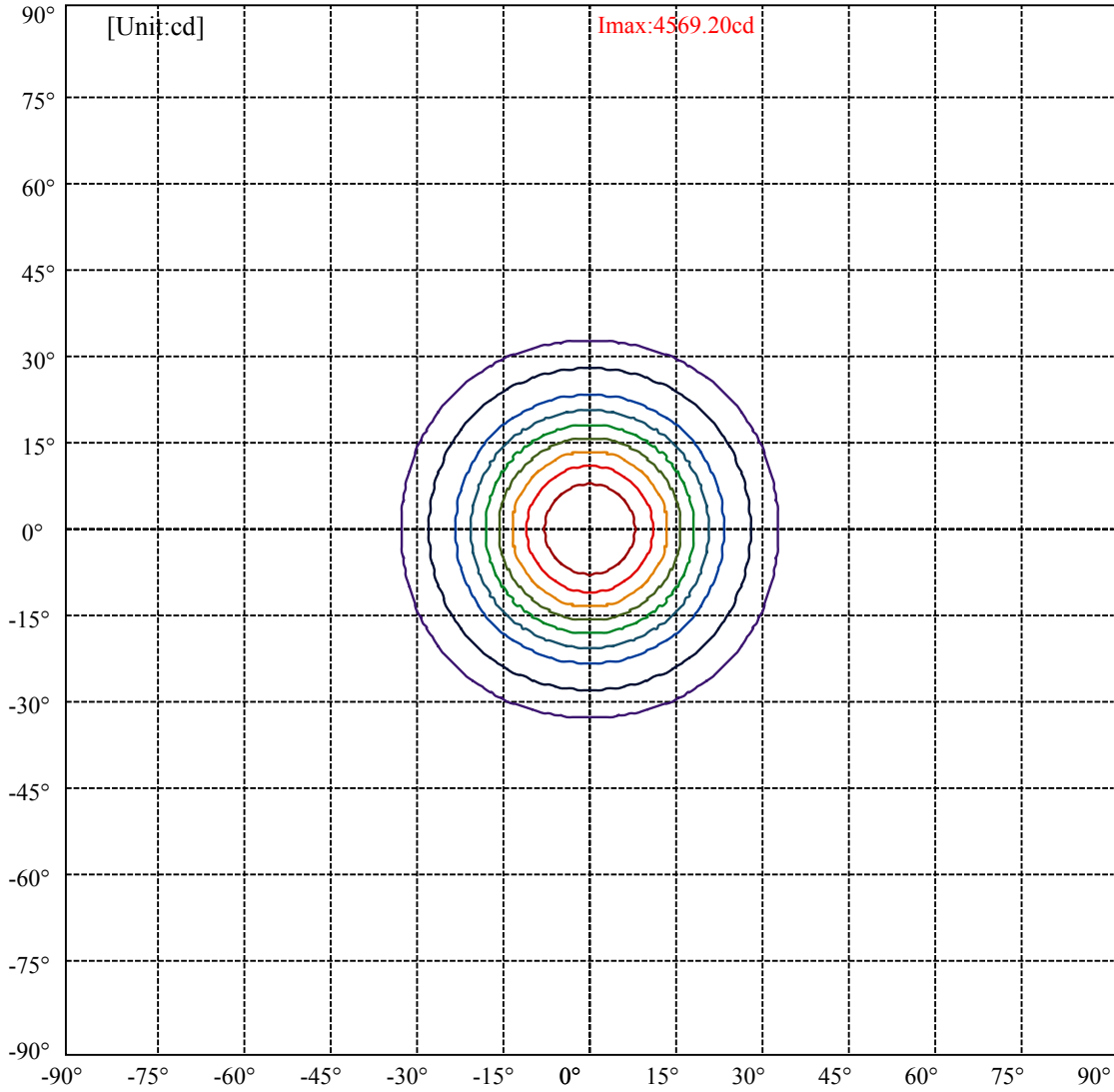
C0/C180: —————

C90/C270: —————

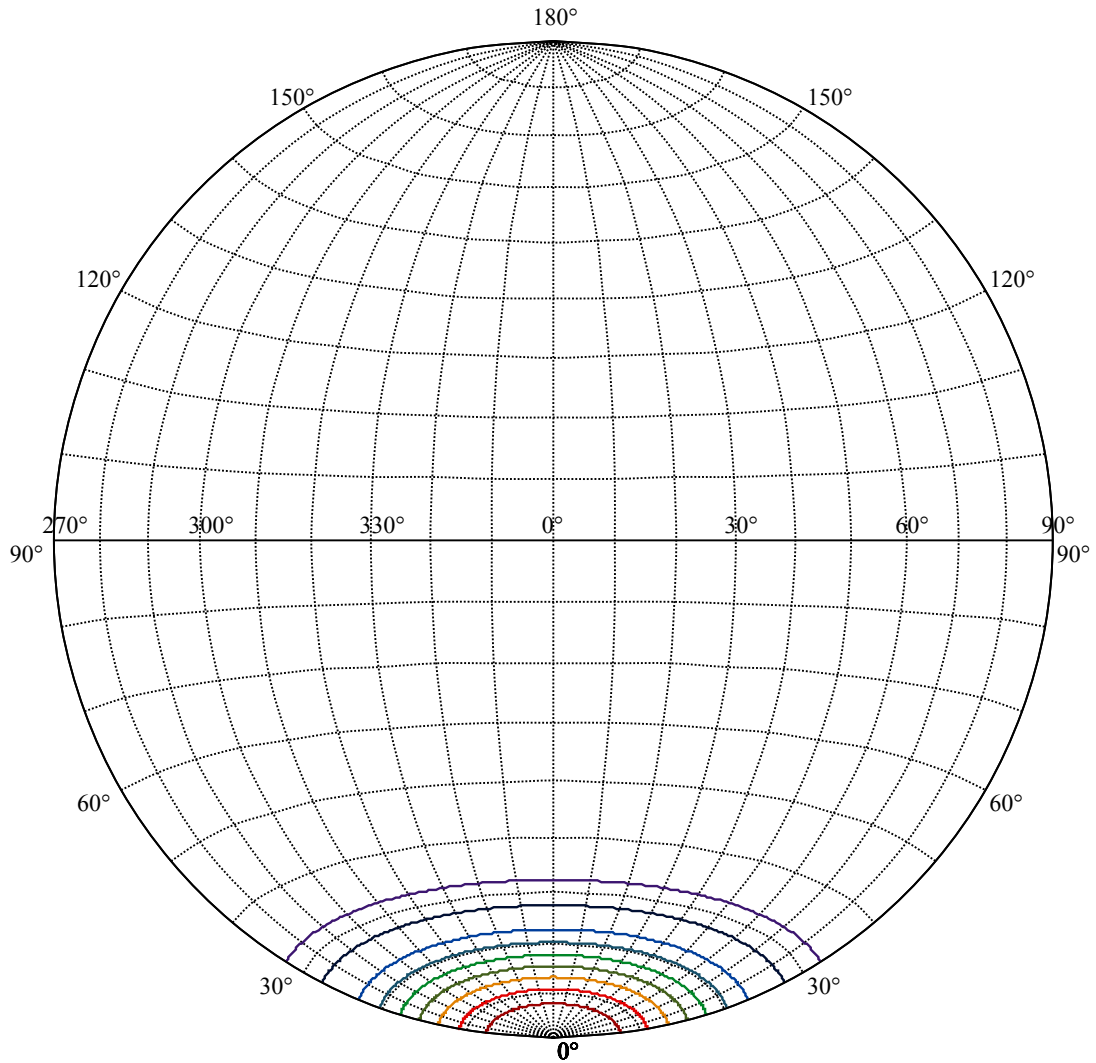
Field angle(10%Imax):C0/180Left:32.4 Right:32.4
:C90/270Left:32.4 Right:32.4

Beam Angle(50%Imax):C0/180Left:17.8 Right:17.8
:C90/270Left:17.8 Right:17.8





(10%Imax)	456.92	—
(20%Imax)	913.841	—
(30%Imax)	1370.76	—
(40%Imax)	1827.68	—
(50%Imax)	2284.6	—
(60%Imax)	2741.52	—
(70%Imax)	3198.44	—
(80%Imax)	3655.36	—
(90%Imax)	4112.28	—



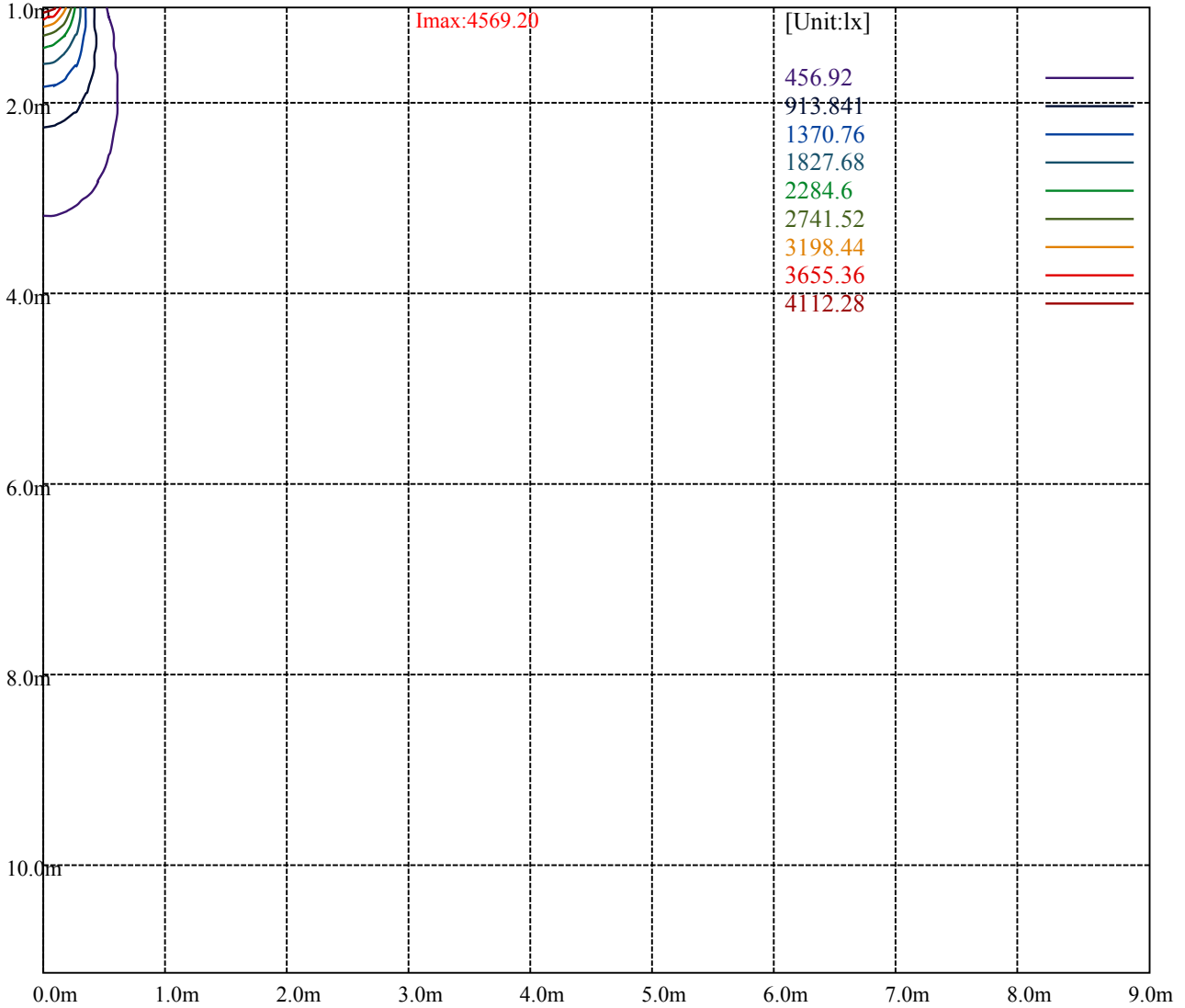
House

[Unit:cd]

Road

Imax:4569.20

(10%Imax)	456.92	—
(20%Imax)	913.841	—
(30%Imax)	1370.76	—
(40%Imax)	1827.68	—
(50%Imax)	2284.6	—
(60%Imax)	2741.52	—
(70%Imax)	3198.44	—
(80%Imax)	3655.36	—
(90%Imax)	4112.28	—



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

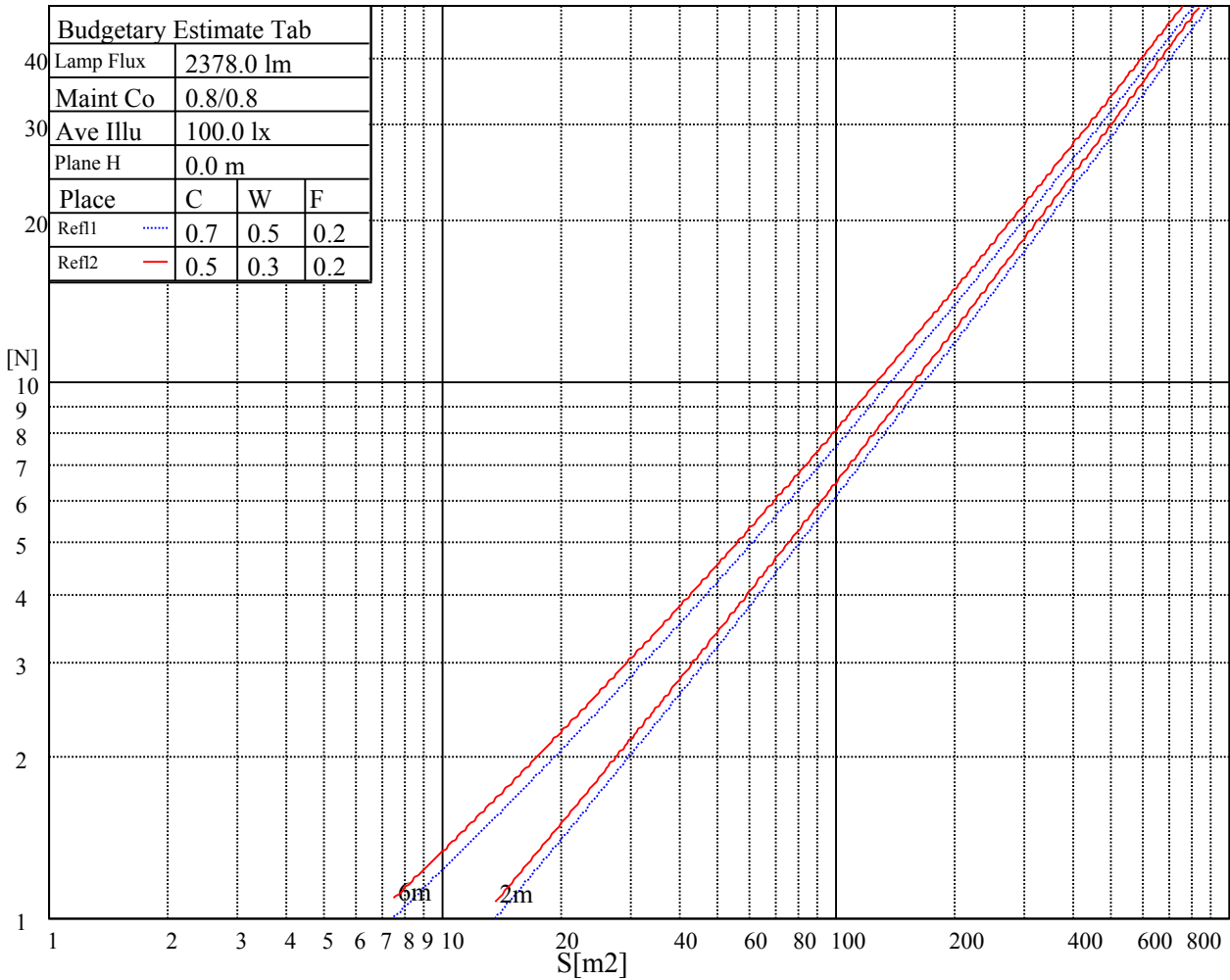
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

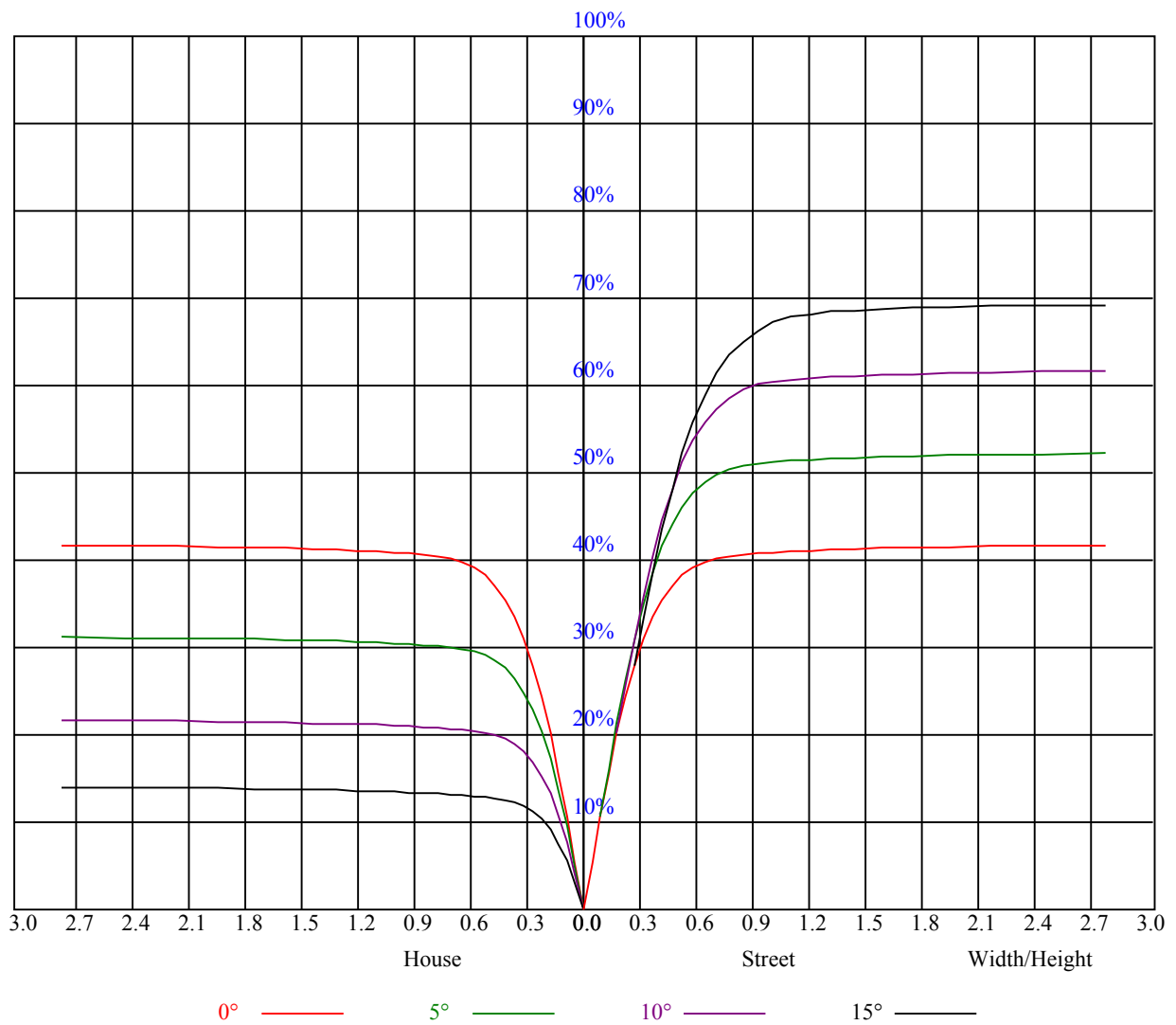


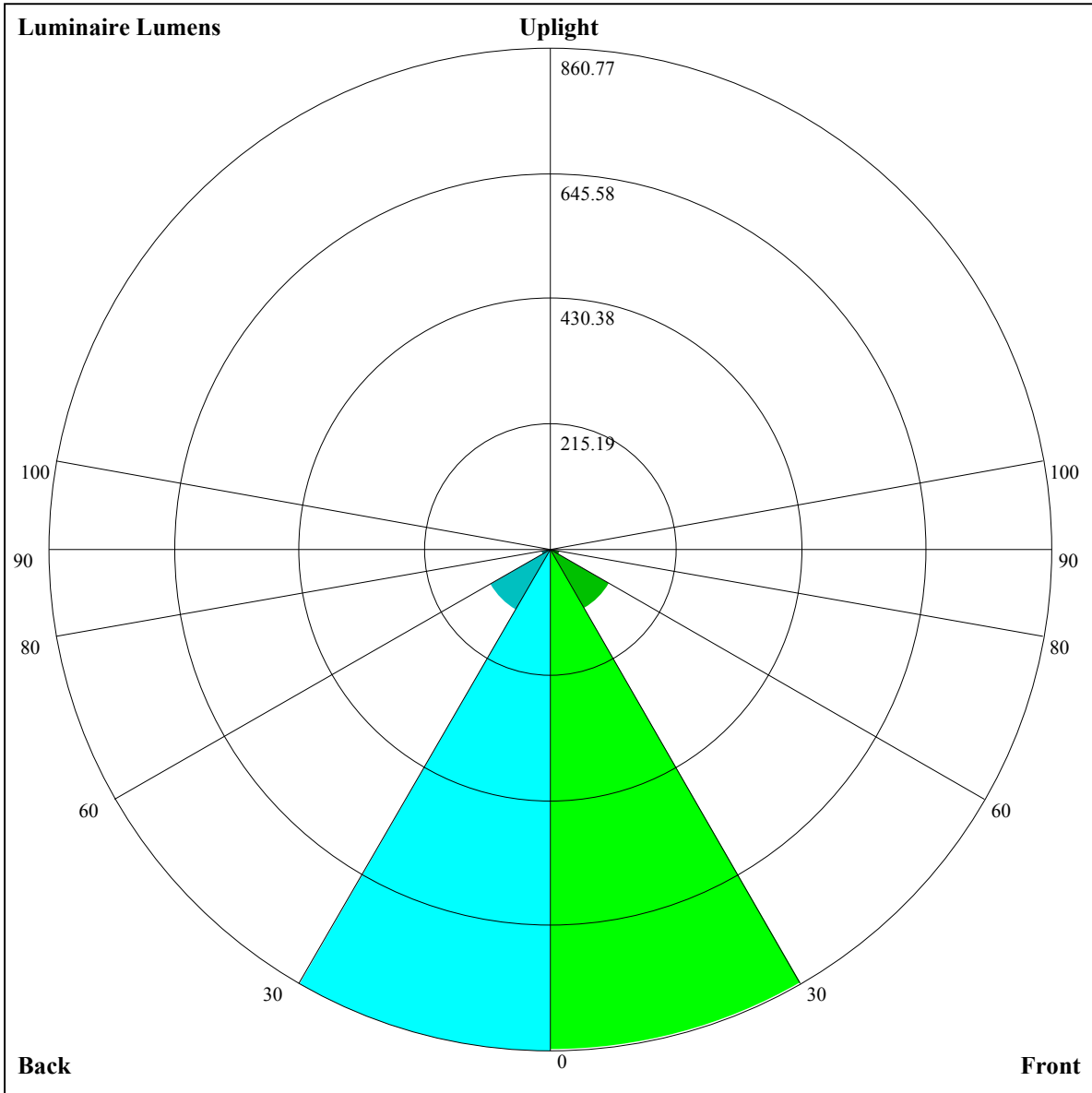
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
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 RHOF=20 CU															
0	1.00	1.00	1.00	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.84
1	0.94	0.92	0.90	0.92	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.81	0.79
2	0.88	0.85	0.82	0.87	0.84	0.81	0.84	0.82	0.80	0.81	0.80	0.78	0.79	0.78	0.76	0.75
3	0.83	0.79	0.76	0.82	0.78	0.76	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.71
4	0.79	0.75	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.74	0.72	0.69	0.73	0.71	0.69	0.67
5	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
6	0.71	0.67	0.64	0.71	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.61
7	0.68	0.64	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.58
8	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.56
9	0.62	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=859.92,FM=115.65,FH=18.04,FVH=5.42

BL=860.77,BM=120.23,BH=17.32,BVH=5.45

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	4577.10	4576.52	4547.26	4512.73	4460.64	4379.88	4305.56	4211.92	4072.64
45.0	4566.57	4567.74	4560.72	4522.09	4470.59	4420.26	4359.98	4271.62	4189.68
90.0	4554.86	4528.53	4491.66	4449.52	4385.73	4320.77	4249.38	4166.86	4034.01
135.0	4578.27	4567.74	4541.40	4498.68	4437.82	4382.81	4317.85	4223.63	4132.92
180.0	4577.10	4563.64	4538.48	4500.44	4436.06	4380.47	4285.66	4199.05	4096.63
225.0	4566.57	4546.67	4502.78	4455.96	4396.27	4323.70	4201.97	4091.95	3957.35
270.0	4554.86	4570.67	4561.30	4541.99	4492.83	4447.77	4362.91	4267.52	4160.42
315.0	4578.27	4574.18	4539.06	4500.44	4449.52	4378.71	4259.33	4144.04	4015.87
360.0	4577.10	4576.52	4547.26	4512.73	4460.64	4379.88	4305.56	4211.92	4072.64
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3943.89	3797.58	3593.34	3413.09	3226.99	2996.41	2804.46	2614.26	2420.55
45.0	4083.17	3963.20	3785.29	3618.50	3452.30	3270.88	3037.96	2844.84	2646.45
90.0	3915.80	3773.59	3620.26	3405.48	3219.38	2986.46	2796.26	2608.99	2369.63
135.0	4029.33	3912.29	3733.79	3572.86	3408.99	3221.14	2987.05	2802.70	2617.77
180.0	3944.48	3798.17	3647.18	3478.64	3241.03	3068.98	2893.41	2704.97	2483.75
225.0	3809.87	3604.46	3437.08	3264.44	3084.78	2864.73	2680.39	2455.66	2274.24
270.0	4003.58	3850.84	3693.41	3529.55	3305.41	3123.40	2943.16	2747.69	2499.55
315.0	3871.32	3681.12	3517.85	3342.28	3166.13	2929.69	2741.25	2509.50	2324.57
360.0	3943.89	3797.58	3593.34	3413.09	3226.99	2996.41	2804.46	2614.26	2420.55
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2192.90	2016.74	1850.54	1663.27	1525.15	1305.11	1158.04	1130.65	1030.82
45.0	2405.33	2223.91	2051.27	1848.20	1697.21	1557.93	1396.99	1275.26	1164.66
90.0	2188.21	2015.57	1849.37	1662.68	1523.98	1284.63	1143.41	1143.41	1047.44
135.0	2390.12	2211.04	2038.40	1835.91	1684.92	1544.47	1383.53	1271.17	1159.39
180.0	2305.85	2126.18	1914.91	1755.15	1606.50	1442.05	1326.18	1210.89	1080.97
225.0	2096.33	1877.46	1725.89	1577.24	1443.81	1142.71	1142.71	1064.52	972.23
270.0	2314.04	2133.20	1922.52	1762.76	1609.43	1441.47	1318.57	1196.26	1055.80
315.0	2140.23	1928.96	1767.44	1618.79	1482.43	1145.11	1145.11	1090.80	992.60
360.0	2192.90	2016.74	1850.54	1663.27	1525.15	1305.11	1158.04	1130.65	1030.82
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	943.85	845.47	757.57	663.70	539.69	442.14	348.38	237.43	165.91
45.0	1060.49	950.46	878.48	795.38	706.43	583.53	486.97	398.60	311.98
90.0	941.69	867.01	793.21	691.09	567.38	475.67	389.82	306.01	208.93
135.0	1055.22	947.54	877.90	803.57	718.71	594.06	496.91	385.72	299.11
180.0	989.09	910.08	842.20	742.71	646.15	547.24	448.34	327.20	304.96
225.0	879.30	805.27	717.19	589.26	492.70	401.58	293.72	214.13	145.19
270.0	966.85	887.84	811.77	683.60	580.02	484.04	402.11	303.21	303.21
315.0	893.29	809.07	714.50	581.83	487.20	397.43	291.73	215.07	147.94
360.0	943.85	845.47	757.57	663.70	539.69	442.14	348.38	237.43	165.91
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	115.06	88.49	77.19	70.29	64.67	60.10	55.30	51.97	48.22
45.0	311.98	121.20	88.49	77.66	70.75	63.73	59.11	55.36	51.97
90.0	143.44	97.67	77.60	70.52	63.09	58.46	54.54	51.03	47.34
135.0	299.11	201.02	85.74	72.51	66.36	59.75	55.83	52.32	49.22
180.0	304.96	100.60	78.83	70.23	64.20	59.22	55.36	50.91	47.87
225.0	95.33	81.93	74.73	66.83	61.57	57.24	53.31	49.16	46.35
270.0	213.37	99.43	86.91	79.01	70.52	64.90	59.87	54.89	51.38
315.0	97.15	83.57	76.66	68.82	63.44	58.87	54.95	50.80	47.64
360.0	115.06	88.49	77.19	70.29	64.67	60.10	55.30	51.97	48.22

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	45.65	43.31	40.67	38.92	37.45	35.70	34.47	33.24	32.07
45.0	48.22	45.65	43.54	40.97	39.15	37.57	35.82	34.59	32.95
90.0	44.71	42.49	40.50	38.39	36.87	35.46	33.88	32.71	31.66
135.0	46.00	43.60	41.61	39.44	37.86	36.58	35.00	33.94	32.60
180.0	45.24	42.90	40.32	38.57	37.04	35.52	34.29	33.24	31.89
225.0	43.77	41.55	39.27	37.69	35.87	34.59	33.42	32.01	30.84
270.0	48.28	45.71	42.84	40.79	39.15	37.57	35.76	34.53	33.01
315.0	45.00	42.84	40.44	38.80	36.87	35.58	34.41	32.89	31.78
360.0	45.65	43.31	40.67	38.92	37.45	35.70	34.47	33.24	32.07
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	30.78	29.73	28.32	27.10	25.40	24.35	23.29	21.83	20.89
45.0	31.89	30.78	29.55	28.15	26.98	25.75	24.46	23.06	21.83
90.0	30.20	29.20	27.97	26.51	25.16	24.05	23.00	21.65	20.54
135.0	31.60	30.67	29.73	28.15	27.15	26.04	24.76	23.41	22.30
180.0	30.90	29.67	28.50	27.33	26.22	24.70	23.64	22.53	21.30
225.0	29.79	28.68	27.10	25.93	24.70	23.58	22.12	21.01	20.07
270.0	31.72	30.37	29.09	27.80	26.63	25.11	23.88	22.71	21.48
315.0	30.61	29.32	27.80	26.63	25.34	24.17	22.88	21.65	20.72
360.0	30.78	29.73	28.32	27.10	25.40	24.35	23.29	21.83	20.89
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.84	18.84	18.20	17.97	18.49	20.07	22.00	23.88	24.99
45.0	20.95	20.01	18.79	17.97	17.21	16.56	15.80	15.10	14.63
90.0	19.72	18.67	17.85	17.15	16.50	15.68	15.10	14.51	13.99
135.0	21.19	20.31	19.20	18.32	17.56	16.97	16.15	15.45	15.10
180.0	20.19	19.37	18.43	17.73	17.03	16.91	17.73	19.08	20.19
225.0	18.96	18.02	17.38	16.62	15.86	15.22	14.69	14.16	13.64
270.0	20.25	19.31	18.38	17.62	16.85	16.09	15.51	14.98	14.57
315.0	19.61	18.73	18.02	17.21	16.56	16.09	16.21	16.80	17.85
360.0	19.84	18.84	18.20	17.97	18.49	20.07	22.00	23.88	24.99
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	24.81	24.58	24.35	23.88	23.23	22.36	21.42	20.42	17.91
45.0	14.05	13.52	12.99	12.64	12.23	11.94	11.59	11.35	11.12
90.0	13.52	13.28	13.34	13.46	13.64	13.58	13.52	13.11	12.35
135.0	15.10	15.86	17.44	18.49	18.61	18.96	18.79	18.43	17.79
180.0	20.72	20.60	20.13	19.96	19.20	18.49	17.85	16.68	15.68
225.0	13.17	12.70	12.35	11.94	11.65	11.35	11.12	10.83	10.59
270.0	14.22	14.34	14.46	14.57	14.69	14.46	14.16	13.69	12.58
315.0	19.08	19.61	19.66	19.84	19.14	19.02	17.91	15.45	13.11
360.0	24.81	24.58	24.35	23.88	23.23	22.36	21.42	20.42	17.91
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.28	10.77	10.18	9.83	9.66	9.31	8.95	8.78	8.60
45.0	10.83	10.65	10.42	10.24	10.12	9.95	9.13	8.84	8.90
90.0	11.24	10.36	9.95	9.71	9.31	9.01	8.84	8.72	8.54
135.0	15.51	13.52	10.77	10.12	9.71	9.19	8.95	8.72	8.78
180.0	14.46	11.24	10.12	9.83	9.31	9.07	8.90	8.78	8.72
225.0	10.42	10.07	9.83	9.48	9.07	8.90	8.84	8.90	8.60
270.0	11.29	10.24	9.89	9.66	9.42	9.19	8.90	8.72	8.66
315.0	11.47	10.36	10.07	9.71	9.54	9.07	8.78	8.95	8.54
360.0	14.28	10.77	10.18	9.83	9.66	9.31	8.95	8.78	8.60

Intensity data(cd)

C/γ(°)	90.0
0.0	8.66
45.0	8.54
90.0	8.60
135.0	8.54
180.0	8.66
225.0	8.66
270.0	8.72
315.0	8.66
360.0	8.66