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NT

Client:

LumCAT: 2-2687-L

Luminaire: 92.70.429.00

Report No: 2024411-B006

Ballast type: AC

Test No: 2024411-C006

Voltage(V): 34.740

LampCAT: CREE CXA1830 LES14

Current(A): 0.530

Lamp flux(lm): 2685.0

Power (W): 18.412

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2241.40, Efficiency(%): 83.48% , Luminous Efficacy(lm/W): 121.74

Central intensity(cd): 9018.669, Maximum intensity(cd): 9018.669

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=21.8

[C90/270]Total=21.8

Field angle(10%Imax): [C0/180]Total=54.4

[C90/270]Total=54.4

Maximum s/h(1/2): C0_180=0.37 C90_270=0.37

Maximum s/h(1/4): C0_180=0.42 C90_270=0.42

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.48%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.859%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/11
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	9018.668	0.000	0	0.00%	0.00%
1.0	8958.902	8.602	8.602	0.32%	0.38%
2.0	8770.679	25.447	34.049	0.95%	1.52%
3.0	8480.920	41.260	75.309	1.54%	3.36%
4.0	8068.409	55.396	130.705	2.06%	5.83%
5.0	7610.032	67.448	198.153	2.51%	8.84%
6.0	7075.795	77.178	275.331	2.87%	12.28%
7.0	6548.946	84.569	359.899	3.15%	16.06%
8.0	6009.441	89.878	449.777	3.35%	20.07%
9.0	5459.988	92.953	542.731	3.46%	24.21%
10.0	4956.549	94.266	636.997	3.51%	28.42%
11.0	4481.858	94.309	731.306	3.51%	32.63%
12.0	4032.332	93.072	824.378	3.47%	36.78%
13.0	3631.965	90.956	915.334	3.39%	40.84%
14.0	3270.662	88.353	1003.687	3.29%	44.78%
15.0	2955.884	85.481	1089.168	3.18%	48.59%
16.0	2634.961	81.922	1171.089	3.05%	52.25%
17.0	2404.529	78.478	1249.568	2.92%	55.75%
18.0	2170.219	75.428	1324.995	2.81%	59.11%
19.0	1986.971	72.327	1397.322	2.69%	62.34%
20.0	1814.988	69.586	1466.908	2.59%	65.45%
21.0	1661.585	66.757	1533.666	2.49%	68.42%
22.0	1495.981	63.453	1597.118	2.36%	71.26%
23.0	1360.004	59.926	1657.045	2.23%	73.93%
24.0	1235.037	56.737	1713.781	2.11%	76.46%
25.0	1152.944	54.297	1768.079	2.02%	78.88%
26.0	1043.924	51.857	1819.936	1.93%	81.20%
27.0	927.296	48.226	1868.163	1.80%	83.35%
28.0	804.553	43.847	1912.009	1.63%	85.30%
29.0	692.387	39.164	1951.174	1.46%	87.05%
30.0	576.205	34.252	1985.425	1.28%	88.58%
31.0	475.093	29.256	2014.681	1.09%	89.88%
32.0	374.932	24.352	2039.034	0.91%	90.97%
33.0	301.449	19.926	2058.96	0.74%	91.86%
34.0	254.873	16.836	2075.796	0.63%	92.61%
35.0	190.440	13.830	2089.626	0.52%	93.23%
36.0	152.524	10.920	2100.546	0.41%	93.72%
37.0	119.144	8.860	2109.406	0.33%	94.11%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	105.743	7.506	2116.913	0.28%	94.45%
39.0	94.331	6.829	2123.742	0.25%	94.75%
40.0	84.682	6.243	2129.985	0.23%	95.03%
41.0	75.860	5.717	2135.702	0.21%	95.28%
42.0	67.615	5.213	2140.914	0.19%	95.52%
43.0	61.127	4.769	2145.683	0.18%	95.73%
44.0	55.194	4.390	2150.074	0.16%	95.93%
45.0	50.044	4.044	2154.118	0.15%	96.11%
46.0	45.523	3.737	2157.856	0.14%	96.27%
47.0	41.727	3.470	2161.326	0.13%	96.43%
48.0	38.427	3.240	2164.566	0.12%	96.57%
49.0	35.260	3.026	2167.592	0.11%	96.71%
50.0	32.846	2.840	2170.432	0.11%	96.83%
51.0	30.695	2.688	2173.12	0.10%	96.95%
52.0	28.844	2.555	2175.675	0.10%	97.07%
53.0	27.359	2.445	2178.12	0.09%	97.18%
54.0	26.013	2.352	2180.472	0.09%	97.28%
55.0	24.960	2.275	2182.747	0.08%	97.38%
56.0	23.950	2.210	2184.957	0.08%	97.48%
57.0	23.292	2.160	2187.117	0.08%	97.58%
58.0	22.634	2.124	2189.241	0.08%	97.67%
59.0	22.195	2.096	2191.337	0.08%	97.77%
60.0	21.924	2.084	2193.421	0.08%	97.86%
61.0	21.653	2.080	2195.501	0.08%	97.95%
62.0	21.339	2.072	2197.573	0.08%	98.04%
63.0	20.871	2.053	2199.625	0.08%	98.14%
64.0	20.190	2.015	2201.64	0.08%	98.23%
65.0	19.225	1.951	2203.591	0.07%	98.31%
66.0	18.347	1.875	2205.465	0.07%	98.40%
67.0	17.549	1.805	2207.27	0.07%	98.48%
68.0	16.781	1.739	2209.009	0.06%	98.55%
69.0	16.181	1.682	2210.691	0.06%	98.63%
70.0	15.903	1.648	2212.339	0.06%	98.70%
71.0	15.882	1.643	2213.982	0.06%	98.78%
72.0	16.174	1.667	2215.649	0.06%	98.85%
73.0	16.606	1.714	2217.363	0.06%	98.93%
74.0	16.935	1.763	2219.126	0.07%	99.01%
75.0	17.125	1.800	2220.926	0.07%	99.09%

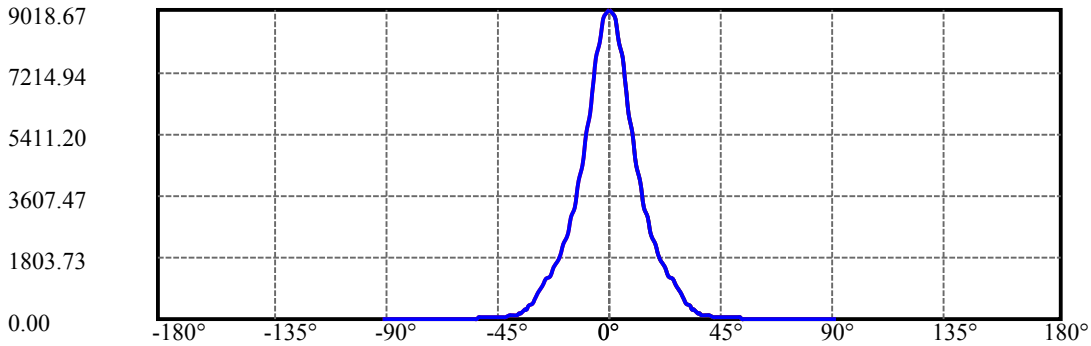
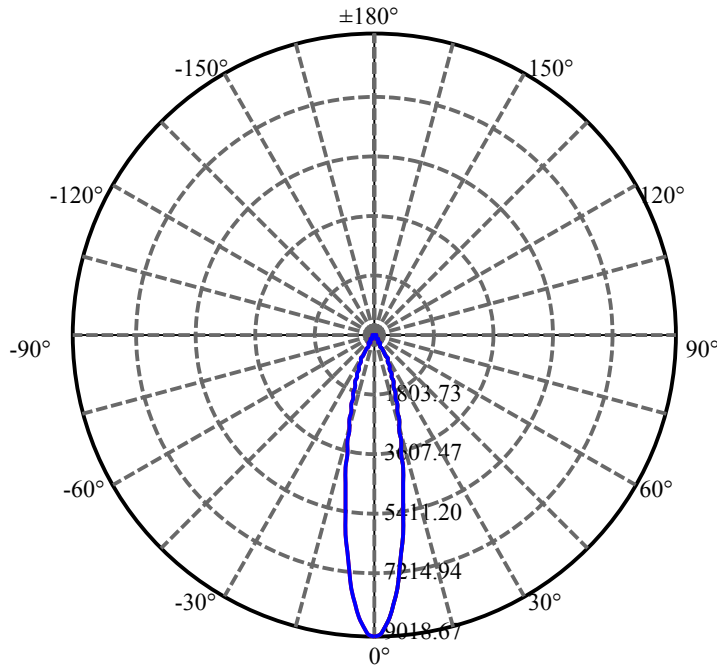
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.898	1.806	2222.732	0.07%	99.17%
77.0	16.313	1.771	2224.502	0.07%	99.25%
78.0	15.626	1.710	2226.212	0.06%	99.32%
79.0	14.653	1.627	2227.839	0.06%	99.39%
80.0	13.709	1.529	2229.368	0.06%	99.46%
81.0	12.685	1.427	2230.795	0.05%	99.53%
82.0	11.982	1.338	2232.133	0.05%	99.59%
83.0	11.609	1.282	2233.415	0.05%	99.64%
84.0	11.383	1.253	2234.668	0.05%	99.70%
85.0	10.893	1.216	2235.884	0.05%	99.75%
86.0	10.344	1.161	2237.045	0.04%	99.81%
87.0	10.059	1.117	2238.161	0.04%	99.86%
88.0	9.883	1.092	2239.253	0.04%	99.90%
89.0	9.803	1.079	2240.332	0.04%	99.95%
90.0	9.722	1.070	2241.403	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1985.43	73.95%	88.58%
0-40	2129.98	79.33%	95.03%
0-60	2193.42	81.69%	97.86%
0-90	2240.33	83.44%	99.95%
0-120	2240.33	83.44%	99.95%
0-180	2241.40	83.48%	100.00%
60-90	46.91	1.75%	2.09%
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%
0-25.48	1793.12	66.78%	80.00%

ZONAL LUMEN SUMMARY

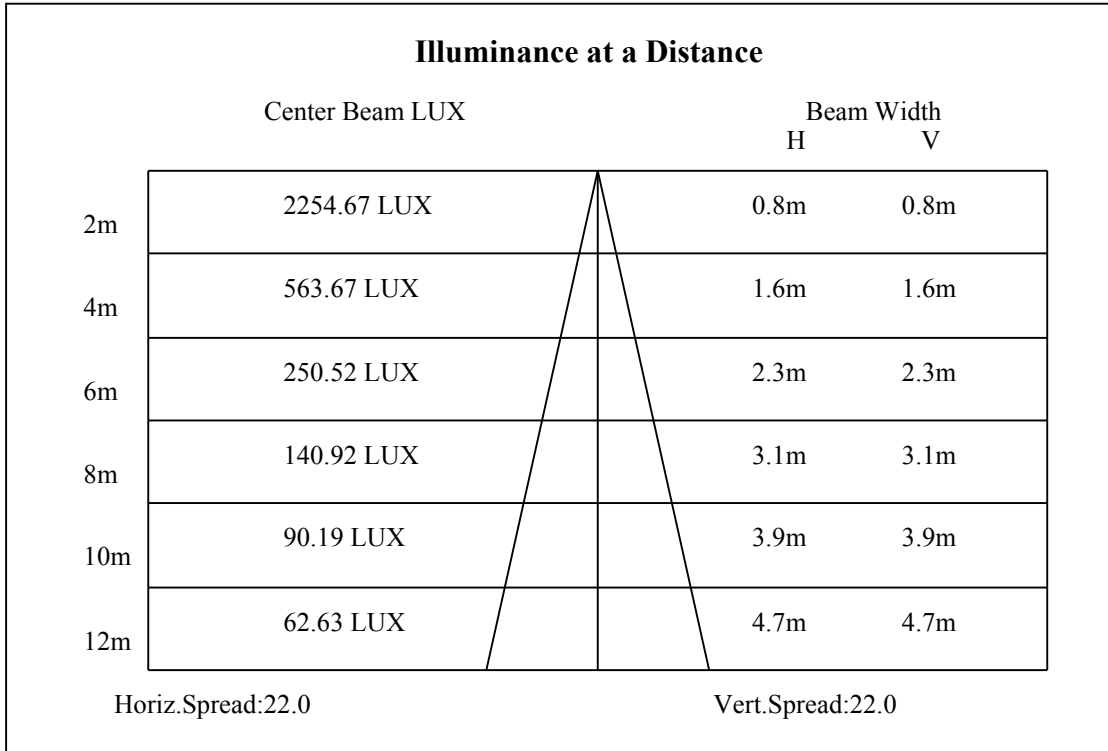
0-10	637.00
10-20	829.91
20-30	518.52
30-40	144.56
40-50	40.45
50-60	22.99
60-70	18.92
70-80	17.03
80-90	10.96
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

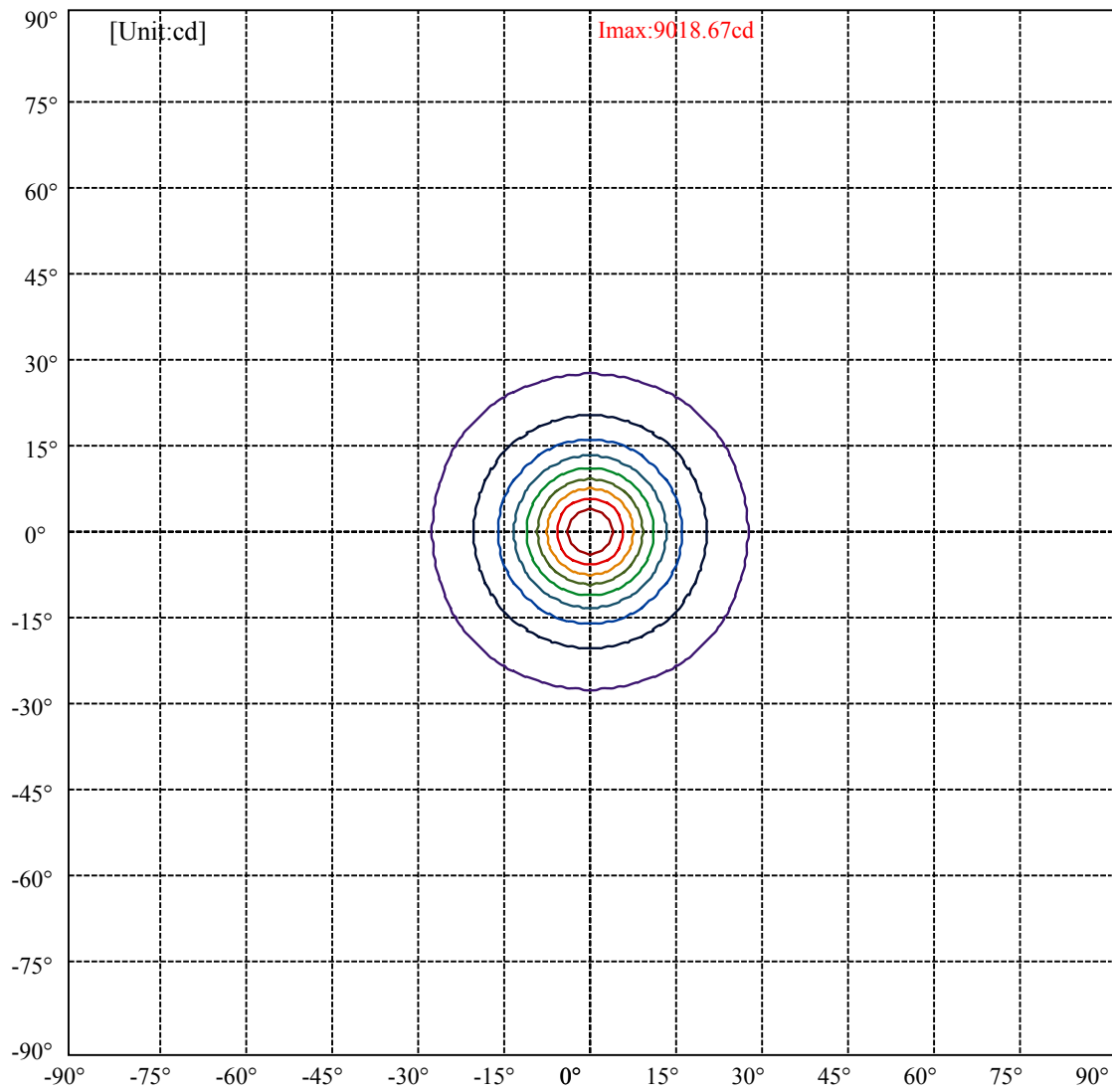


C0(Max): —————
C0/C180: —————
C90/C270: —————

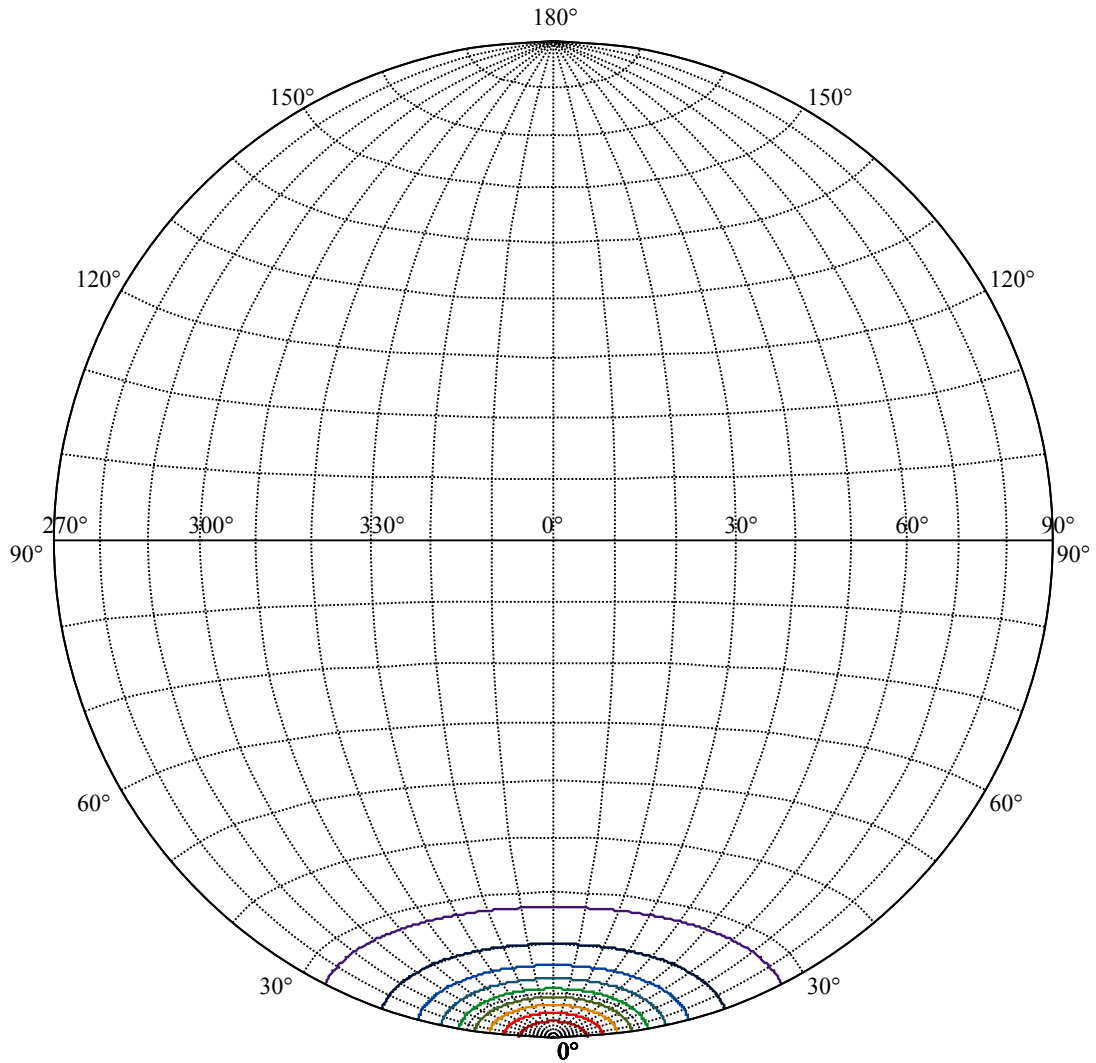
Field angle(10%Imax):C0/180Left:27.2 Right:27.2
:C90/270Left:27.2 Right:27.2

Beam Angle(50%Imax):C0/180Left:10.9 Right:10.9
:C90/270Left:10.9 Right:10.9





(10%Imax) 901.867	—
(20%Imax) 1803.73	—
(30%Imax) 2705.6	—
(40%Imax) 3607.47	—
(50%Imax) 4509.33	—
(60%Imax) 5411.2	—
(70%Imax) 6313.07	—
(80%Imax) 7214.94	—
(90%Imax) 8116.8	—



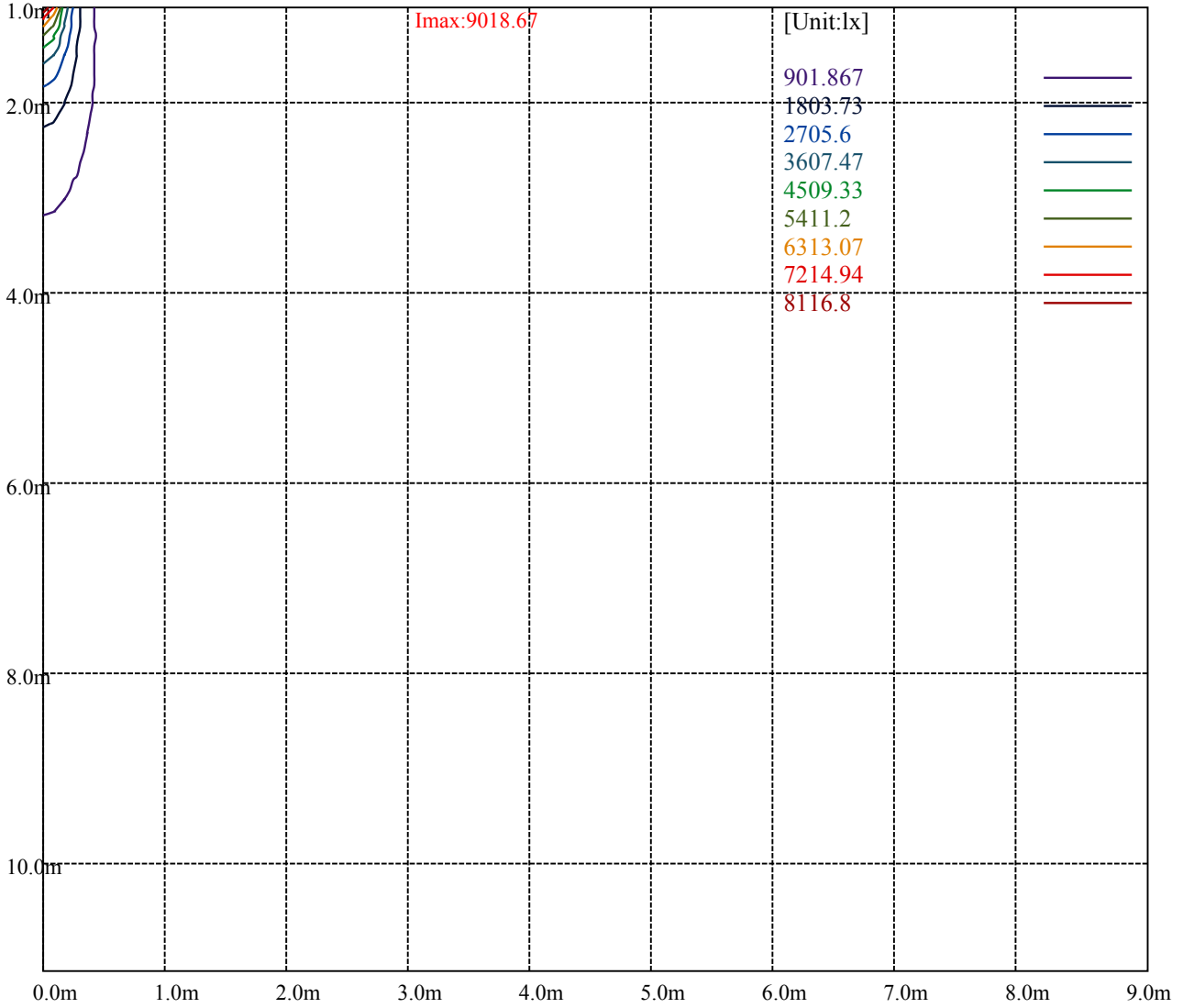
House

[Unit:cd]

Road

Imax:9018.67

(10%Imax) 901.867	—
(20%Imax) 1803.73	—
(30%Imax) 2705.6	—
(40%Imax) 3607.47	—
(50%Imax) 4509.33	—
(60%Imax) 5411.2	—
(70%Imax) 6313.07	—
(80%Imax) 7214.94	—
(90%Imax) 8116.8	—



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

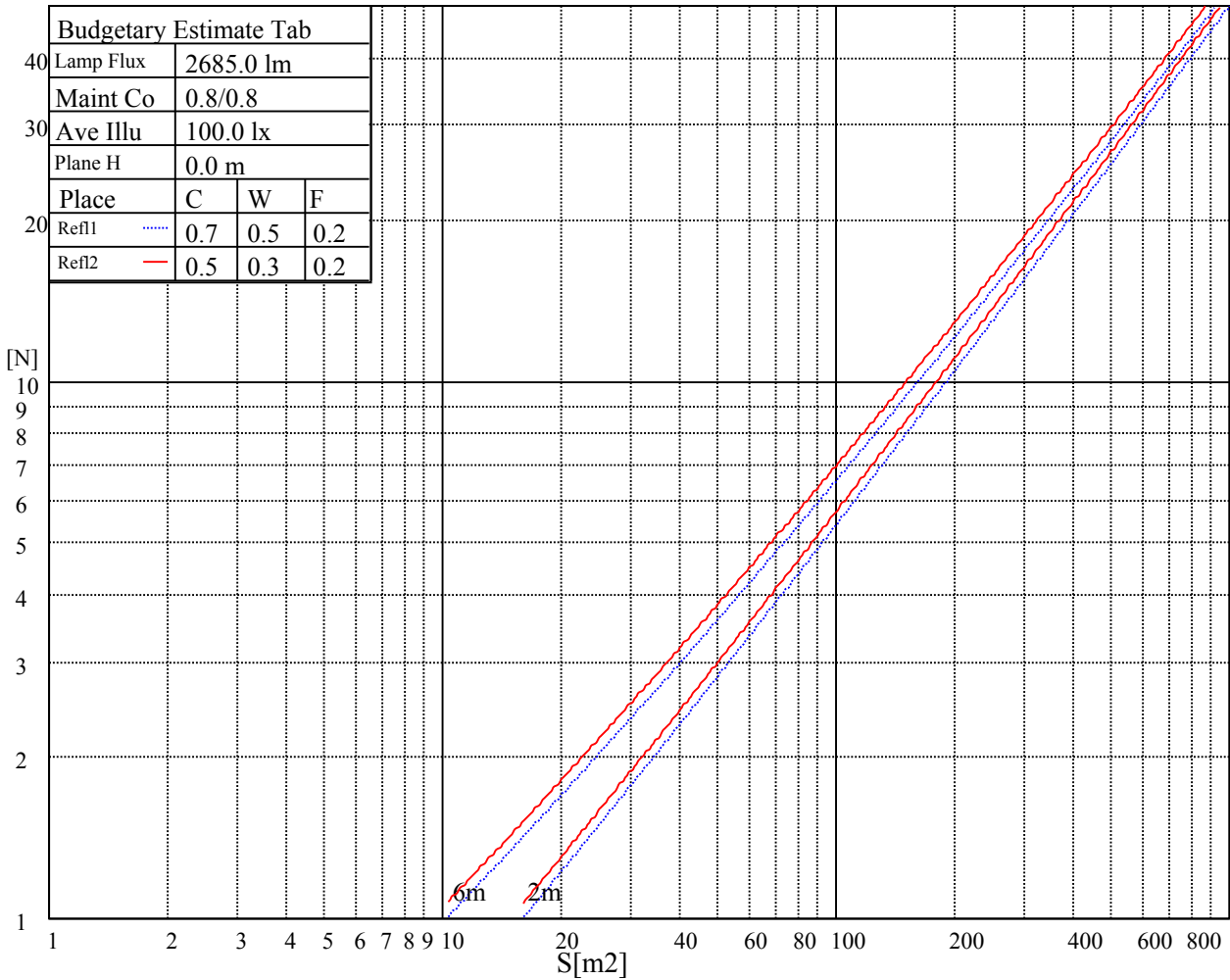
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

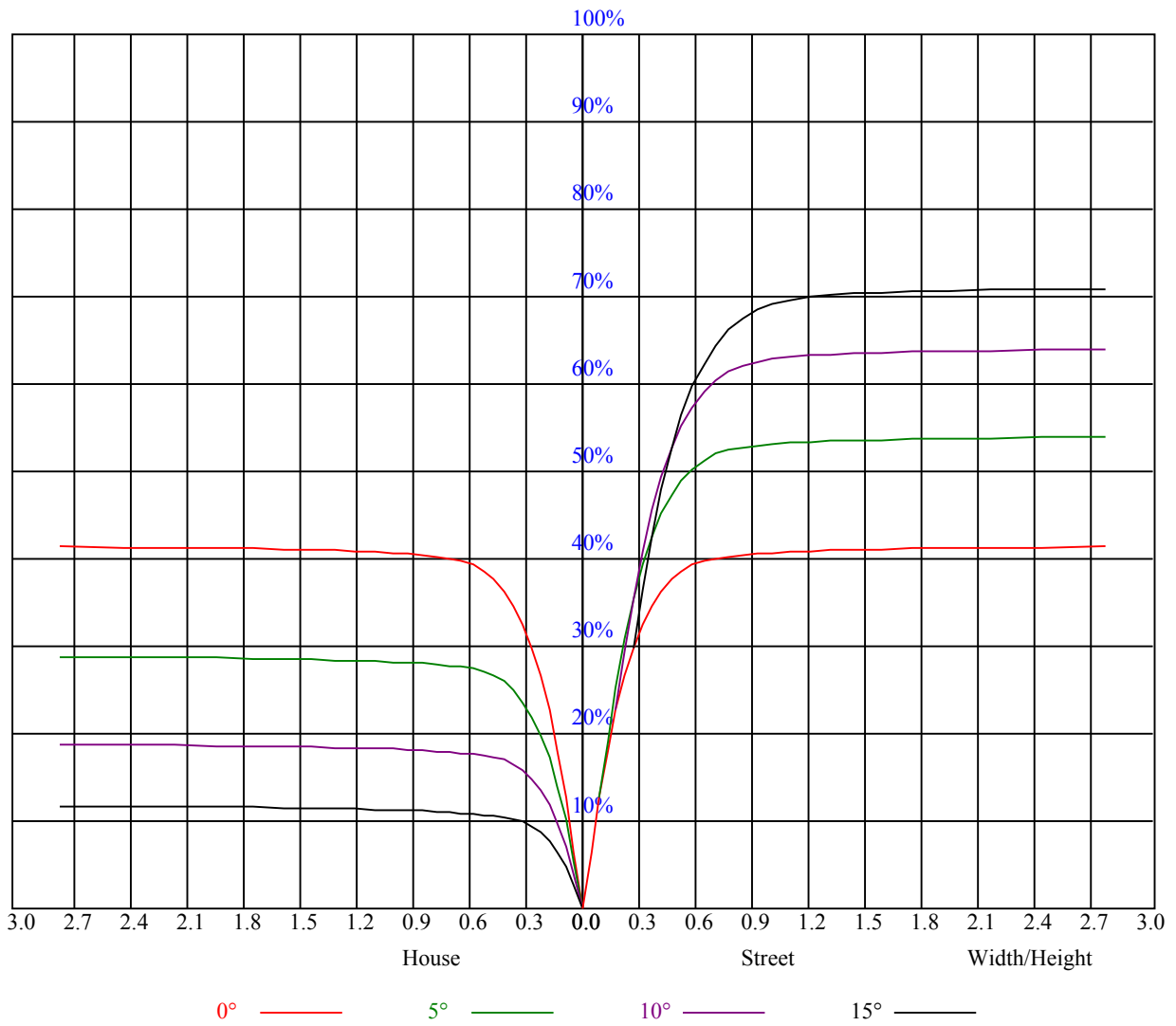


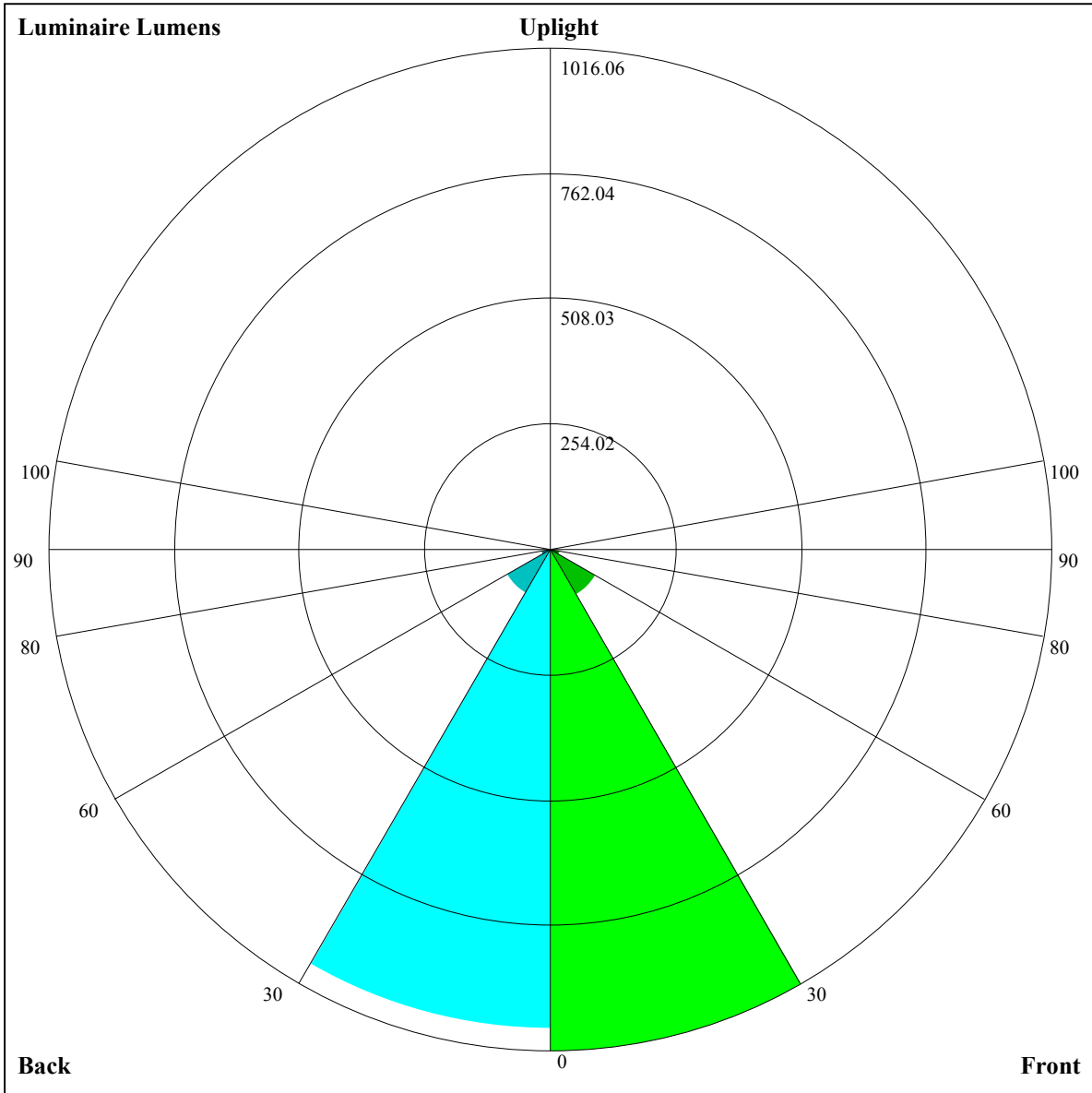
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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
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	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	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	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	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	0.99	0.99	0.99	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.83
1	0.93	0.91	0.90	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.79
2	0.88	0.85	0.83	0.87	0.84	0.82	0.84	0.82	0.80	0.82	0.80	0.78	0.79	0.78	0.77	0.75
3	0.84	0.80	0.77	0.82	0.79	0.77	0.80	0.78	0.75	0.78	0.76	0.74	0.77	0.75	0.73	0.72
4	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.72	0.75	0.73	0.71	0.74	0.72	0.70	0.69
5	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.71	0.69	0.67	0.66
6	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.67	0.65	0.64
7	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.61
8	0.67	0.63	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.65	0.62	0.60	0.59
9	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.55





Luminaire Lumens:

FL=1016.06,FM=106.51,FH=18,FVH=6.1

BL=970.01,BM=102.69,BH=18.41,BVH=6

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	9064.61	9042.96	8881.43	8636.22	8283.33	7732.64	7253.34	6743.61	6233.29
45.0	8947.56	9078.07	9102.65	8988.53	8772.58	8447.78	8032.27	7565.26	6932.05
90.0	9075.73	9065.78	8911.28	8661.97	8314.35	7882.45	7277.33	6770.53	6262.55
135.0	8986.77	9030.67	8934.10	8732.20	8316.11	7895.33	7420.71	6922.10	6294.15
180.0	9064.61	8981.51	8729.27	8406.82	7882.45	7400.81	6892.25	6355.60	5835.34
225.0	8947.56	8646.76	8290.36	7850.27	7241.05	6724.88	6065.33	5556.18	5066.35
270.0	9075.73	8973.31	8772.00	8379.31	7972.58	7509.08	7014.57	6340.39	5820.12
315.0	8986.77	8852.17	8544.34	8192.04	7764.82	7287.28	6650.56	6137.90	5631.68
360.0	9064.61	9042.96	8881.43	8636.22	8283.33	7732.64	7253.34	6743.61	6233.29
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5608.27	5123.12	4659.62	4122.97	3725.60	3368.61	3049.08	2696.78	2449.23
45.0	6425.83	5919.61	5298.69	4824.65	4382.22	3870.15	3497.95	3078.34	2785.14
90.0	5632.26	5140.09	4560.72	4131.16	3738.48	3386.76	2987.05	2707.31	2459.76
135.0	5795.54	5308.63	4842.80	4305.56	3908.19	3545.35	3204.17	2837.81	2583.83
180.0	5239.58	4757.35	4322.53	3926.92	3471.61	3140.38	2846.59	2533.50	2328.67
225.0	4604.61	4076.15	3700.44	3353.98	3042.06	2700.29	2468.54	2263.12	2081.70
270.0	5233.14	4754.43	4315.51	3822.75	3454.64	3133.94	2847.18	2521.21	2314.62
315.0	5140.67	4573.01	4154.57	3770.66	3332.91	3019.82	2746.52	2441.62	2233.28
360.0	5608.27	5123.12	4659.62	4122.97	3725.60	3368.61	3049.08	2696.78	2449.23
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2191.14	2009.14	1849.37	1704.23	1528.08	1396.99	1162.32	1162.32	1059.43
45.0	2529.40	2307.02	2067.66	1901.45	1749.30	1608.26	1471.31	1326.18	1224.35
90.0	2251.42	2022.01	1862.83	1714.77	1574.90	1409.87	1153.95	1153.95	1074.82
135.0	2310.53	2123.25	1957.64	1770.95	1628.15	1492.97	1374.17	1245.42	1144.17
180.0	2082.29	1911.99	1764.51	1591.29	1457.27	1344.91	1243.08	1119.01	1013.08
225.0	1876.88	1734.67	1560.27	1429.18	1144.88	1144.88	1095.13	985.17	870.41
270.0	2116.82	1941.25	1755.15	1617.62	1483.60	1333.20	1231.37	1134.81	1007.23
315.0	2003.28	1846.44	1702.48	1563.19	1401.67	1148.97	1148.97	1096.71	957.90
360.0	2191.14	2009.14	1849.37	1704.23	1528.08	1396.99	1162.32	1162.32	1059.43
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	944.38	827.63	720.59	592.13	496.04	382.68	299.58	227.95	163.80
45.0	1122.52	980.31	862.68	723.98	619.23	520.91	406.20	321.93	302.03
90.0	960.65	817.97	708.59	604.42	483.92	394.32	311.34	238.77	171.06
135.0	1025.96	905.40	760.85	652.58	552.51	437.22	351.19	310.23	310.23
180.0	897.21	789.53	681.26	552.51	456.53	358.22	314.32	314.32	159.24
225.0	733.23	627.95	528.11	434.94	330.30	254.28	190.78	142.62	124.01
270.0	891.94	758.51	652.00	549.00	454.19	350.61	310.23	310.23	157.25
315.0	842.49	729.13	625.02	500.07	408.02	301.22	227.95	172.93	135.89
360.0	944.38	827.63	720.59	592.13	496.04	382.68	299.58	227.95	163.80
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	136.47	121.08	105.46	94.57	85.09	76.37	66.89	60.51	54.95
45.0	302.03	137.76	120.91	108.09	97.21	85.38	77.02	69.52	61.68
90.0	141.21	125.24	112.13	97.97	88.19	79.24	69.47	62.91	55.83
135.0	152.22	132.55	115.93	104.58	94.28	83.04	74.97	68.00	61.86
180.0	128.46	116.40	101.77	92.29	82.63	74.85	66.07	59.58	54.54
225.0	111.37	98.03	88.54	77.89	70.34	63.85	58.23	53.20	47.70
270.0	127.75	113.59	103.18	92.82	81.70	73.74	64.61	58.93	53.72
315.0	120.67	108.50	98.03	86.44	78.01	70.40	63.67	56.36	51.27
360.0	136.47	121.08	105.46	94.57	85.09	76.37	66.89	60.51	54.95

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	49.98	44.71	41.02	37.92	34.59	32.25	29.85	28.21	26.80
45.0	56.24	51.44	46.23	42.60	39.39	35.82	33.42	31.37	29.67
90.0	50.91	46.53	42.72	38.74	35.99	33.53	31.54	29.32	27.86
135.0	55.07	50.27	45.94	42.19	38.16	35.41	32.66	30.78	29.20
180.0	49.86	44.71	41.20	38.16	34.82	32.60	30.67	28.56	27.15
225.0	43.89	40.56	37.69	34.59	32.36	30.61	28.56	27.15	25.75
270.0	47.70	44.07	40.50	37.57	34.18	32.07	30.20	28.56	26.86
315.0	46.70	41.90	38.51	35.64	32.60	30.49	28.68	26.80	25.57
360.0	49.98	44.71	41.02	37.92	34.59	32.25	29.85	28.21	26.80
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.57	24.58	23.47	22.82	22.24	21.71	21.42	21.24	20.95
45.0	27.80	26.45	25.40	24.46	23.58	22.88	22.47	22.00	21.95
90.0	26.63	25.57	24.46	23.76	23.00	22.53	22.24	22.00	21.65
135.0	27.51	26.28	25.22	24.35	23.41	22.77	22.41	22.18	21.83
180.0	25.63	24.58	23.70	23.00	22.41	22.00	21.83	21.59	21.24
225.0	24.76	23.99	23.06	22.71	22.30	22.18	21.89	21.54	21.13
270.0	25.69	24.64	23.64	23.12	22.47	22.12	21.95	21.77	21.30
315.0	24.52	23.58	22.65	22.12	21.65	21.36	21.19	20.89	20.66
360.0	25.57	24.58	23.47	22.82	22.24	21.71	21.42	21.24	20.95
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.66	20.25	19.14	18.32	17.50	16.50	15.92	15.33	14.86
45.0	21.59	21.36	21.01	20.01	19.14	18.38	17.50	16.62	15.98
90.0	21.30	20.83	19.66	18.79	17.97	17.15	16.39	15.74	15.33
135.0	21.48	21.01	19.84	18.96	18.08	17.09	16.44	15.80	15.27
180.0	20.72	19.78	18.67	17.85	17.03	16.33	15.74	15.45	15.16
225.0	20.19	19.08	18.38	17.44	16.80	16.27	16.15	17.50	18.55
270.0	20.95	20.13	19.02	18.14	17.38	16.74	16.09	15.92	17.32
315.0	20.07	19.08	18.08	17.26	16.50	15.80	15.22	14.86	14.57
360.0	20.66	20.25	19.14	18.32	17.50	16.50	15.92	15.33	14.86
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.46	14.16	13.93	13.69	13.46	13.28	13.05	12.58	12.23
45.0	15.51	15.10	14.75	15.45	16.97	18.02	18.49	18.43	17.97
90.0	15.16	16.39	17.91	18.79	18.02	17.38	16.68	15.80	14.57
135.0	14.86	14.57	14.34	13.99	13.81	13.58	13.34	13.05	12.82
180.0	15.04	14.92	14.69	14.34	14.10	13.87	13.52	12.87	12.47
225.0	20.83	22.88	23.58	23.88	22.77	19.43	16.39	13.69	12.35
270.0	19.31	20.78	22.47	23.23	22.65	21.77	20.60	18.20	14.98
315.0	14.22	14.05	13.81	13.64	13.40	13.17	12.93	12.58	12.29
360.0	14.46	14.16	13.93	13.69	13.46	13.28	13.05	12.58	12.23
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.94	11.65	11.47	11.29	11.12	10.36	10.07	9.89	9.77
45.0	16.04	12.99	11.65	11.35	11.18	10.94	10.53	10.12	9.95
90.0	12.41	11.47	11.24	10.94	10.71	10.42	10.12	9.95	9.89
135.0	12.58	12.23	11.88	11.53	11.24	10.36	10.12	9.89	9.95
180.0	12.29	12.11	11.94	11.88	10.42	10.07	9.83	9.83	9.60
225.0	12.17	12.00	11.88	11.76	10.48	10.07	9.89	9.66	9.77
270.0	12.06	11.65	11.35	11.06	10.89	10.42	9.95	9.83	9.77
315.0	12.00	11.76	11.47	11.24	11.12	10.12	9.95	9.89	9.71
360.0	11.94	11.65	11.47	11.29	11.12	10.36	10.07	9.89	9.77

Intensity data(cd)

C/γ(°)	90.0
0.0	9.60
45.0	9.83
90.0	9.71
135.0	9.66
180.0	9.66
225.0	9.71
270.0	9.77
315.0	9.83
360.0	9.60