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NT

Client:

LumCAT: 2-2687-L

Luminaire: 92.70.411.00

Report No: 2024330-B020

Ballast type: AC

Test No: 2024330-C020

Voltage(V): 34.180

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.576

Lamp flux(lm): 2850.0

Power (W): 19.687

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2391.13, Efficiency(%): 83.90% , Luminous Efficacy(lm/W): 121.46

Central intensity(cd): 9483.776, Maximum intensity(cd): 9483.776

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=22.0

[C90/270]Total=22.0

Field angle(10%Imax): [C0/180]Total=54.8

[C90/270]Total=54.8

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(%): 83.90%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.863%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/30
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	9483.776	0.000	0	0.00%	0.00%
1.0	9422.620	9.046	9.046	0.32%	0.38%
2.0	9216.182	26.752	35.799	0.94%	1.50%
3.0	8861.023	43.235	79.033	1.52%	3.31%
4.0	8440.100	57.912	136.946	2.03%	5.73%
5.0	7917.714	70.370	207.316	2.47%	8.67%
6.0	7394.011	80.467	287.783	2.82%	12.04%
7.0	6820.490	88.229	376.012	3.10%	15.73%
8.0	6275.426	93.725	469.737	3.29%	19.65%
9.0	5757.575	97.521	567.258	3.42%	23.72%
10.0	5213.389	99.283	666.542	3.48%	27.88%
11.0	4733.358	99.388	765.93	3.49%	32.03%
12.0	4286.758	98.603	864.533	3.46%	36.16%
13.0	3874.980	96.859	961.392	3.40%	40.21%
14.0	3481.050	94.157	1055.549	3.30%	44.14%
15.0	3144.399	90.957	1146.506	3.19%	47.95%
16.0	2847.544	87.799	1234.305	3.08%	51.62%
17.0	2586.899	84.629	1318.933	2.97%	55.16%
18.0	2344.250	81.304	1400.237	2.85%	58.56%
19.0	2139.787	78.013	1478.25	2.74%	61.82%
20.0	1957.856	74.998	1553.249	2.63%	64.96%
21.0	1802.698	72.210	1625.459	2.53%	67.98%
22.0	1634.811	69.078	1694.537	2.42%	70.87%
23.0	1498.308	65.741	1760.278	2.31%	73.62%
24.0	1292.367	61.014	1821.293	2.14%	76.17%
25.0	1238.892	57.555	1878.848	2.02%	78.58%
26.0	1127.363	55.856	1934.704	1.96%	80.91%
27.0	997.918	51.995	1986.699	1.82%	83.09%
28.0	865.233	47.171	2033.87	1.66%	85.06%
29.0	743.514	42.089	2075.96	1.48%	86.82%
30.0	630.031	37.085	2113.045	1.30%	88.37%
31.0	509.804	31.720	2144.765	1.11%	89.70%
32.0	417.061	26.554	2171.319	0.93%	90.81%
33.0	326.885	21.917	2193.235	0.77%	91.72%
34.0	255.224	17.616	2210.852	0.62%	92.46%
35.0	232.232	15.139	2225.99	0.53%	93.09%
36.0	148.237	12.114	2238.105	0.43%	93.60%
37.0	129.166	9.047	2247.152	0.32%	93.98%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	115.633	8.171	2255.323	0.29%	94.32%
39.0	103.256	7.471	2262.794	0.26%	94.63%
40.0	92.370	6.823	2269.617	0.24%	94.92%
41.0	83.043	6.246	2275.863	0.22%	95.18%
42.0	74.777	5.734	2281.597	0.20%	95.42%
43.0	67.572	5.273	2286.87	0.19%	95.64%
44.0	61.054	4.855	2291.725	0.17%	95.84%
45.0	55.531	4.480	2296.205	0.16%	96.03%
46.0	50.819	4.159	2300.365	0.15%	96.20%
47.0	46.299	3.863	2304.227	0.14%	96.37%
48.0	42.509	3.590	2307.817	0.13%	96.52%
49.0	39.525	3.369	2311.186	0.12%	96.66%
50.0	36.555	3.172	2314.358	0.11%	96.79%
51.0	34.170	2.992	2317.35	0.10%	96.91%
52.0	32.173	2.847	2320.197	0.10%	97.03%
53.0	30.534	2.728	2322.925	0.10%	97.15%
54.0	29.166	2.631	2325.556	0.09%	97.26%
55.0	27.944	2.549	2328.106	0.09%	97.36%
56.0	26.869	2.477	2330.582	0.09%	97.47%
57.0	25.969	2.416	2332.998	0.08%	97.57%
58.0	25.260	2.369	2335.367	0.08%	97.67%
59.0	24.755	2.338	2337.706	0.08%	97.77%
60.0	24.411	2.323	2340.028	0.08%	97.86%
61.0	24.126	2.316	2342.345	0.08%	97.96%
62.0	23.738	2.306	2344.651	0.08%	98.06%
63.0	23.299	2.288	2346.939	0.08%	98.15%
64.0	22.341	2.240	2349.178	0.08%	98.25%
65.0	21.295	2.160	2351.338	0.08%	98.34%
66.0	20.220	2.071	2353.409	0.07%	98.42%
67.0	19.298	1.987	2355.396	0.07%	98.51%
68.0	18.639	1.922	2357.318	0.07%	98.59%
69.0	18.098	1.874	2359.192	0.07%	98.66%
70.0	17.871	1.847	2361.039	0.06%	98.74%
71.0	17.944	1.851	2362.89	0.06%	98.82%
72.0	17.827	1.860	2364.75	0.07%	98.90%
73.0	17.674	1.856	2366.607	0.07%	98.97%
74.0	17.476	1.848	2368.455	0.06%	99.05%
75.0	17.103	1.827	2370.282	0.06%	99.13%

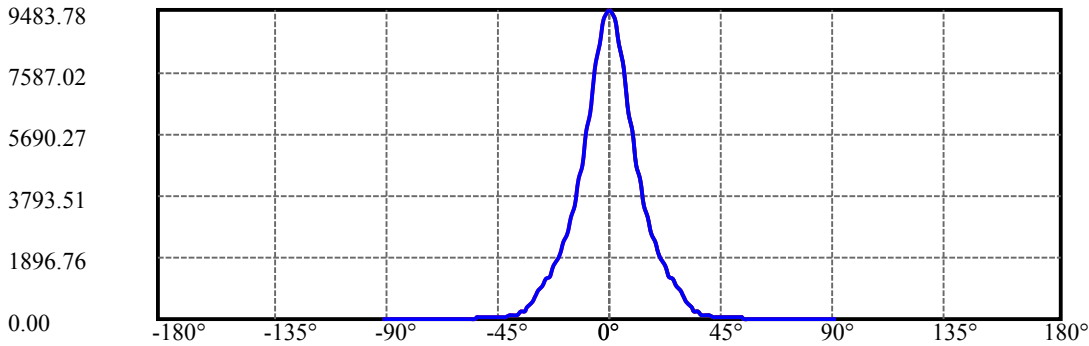
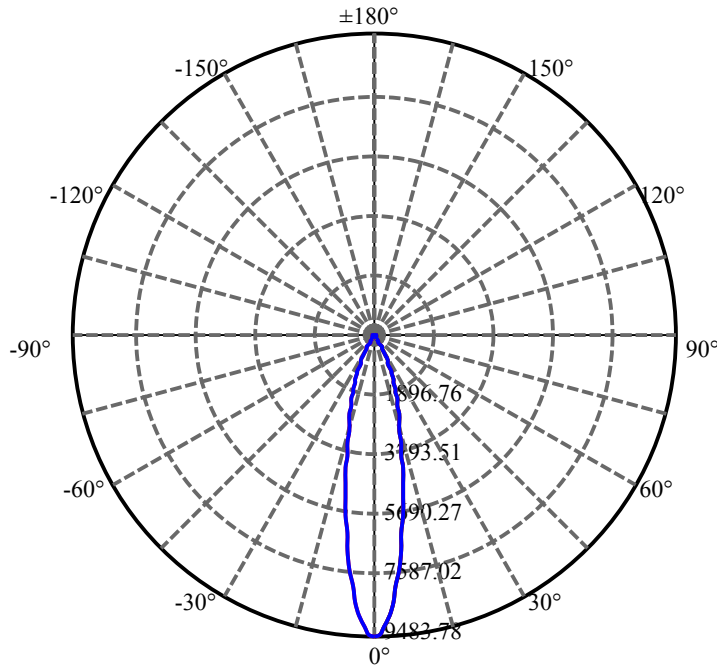
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.723	1.796	2372.078	0.06%	99.20%
77.0	16.225	1.757	2373.834	0.06%	99.28%
78.0	15.494	1.698	2375.532	0.06%	99.35%
79.0	14.755	1.625	2377.157	0.06%	99.42%
80.0	13.870	1.543	2378.701	0.05%	99.48%
81.0	12.809	1.443	2380.143	0.05%	99.54%
82.0	12.195	1.356	2381.499	0.05%	99.60%
83.0	11.814	1.305	2382.804	0.05%	99.65%
84.0	11.529	1.272	2384.076	0.04%	99.71%
85.0	11.229	1.242	2385.318	0.04%	99.76%
86.0	10.900	1.210	2386.528	0.04%	99.81%
87.0	10.600	1.177	2387.704	0.04%	99.86%
88.0	10.446	1.153	2388.857	0.04%	99.91%
89.0	10.322	1.138	2389.996	0.04%	99.95%
90.0	10.307	1.131	2391.127	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2113.04	74.14%	88.37%
0-40	2269.62	79.64%	94.92%
0-60	2340.03	82.11%	97.86%
0-90	2390.00	83.86%	99.95%
0-120	2390.00	83.86%	99.95%
0-180	2391.13	83.90%	100.00%
60-90	49.97	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%
0-25.61	1912.90	67.12%	80.00%

ZONAL LUMEN SUMMARY

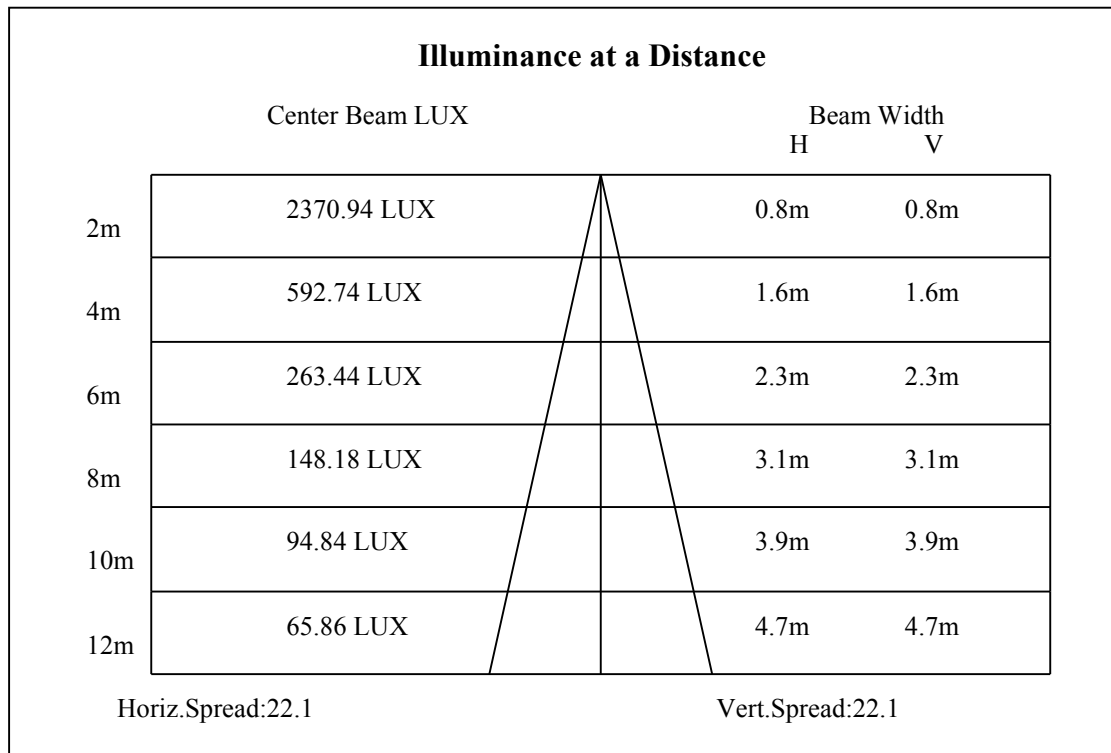
0-10	666.54
10-20	886.71
20-30	559.80
30-40	156.57
40-50	44.74
50-60	25.67
60-70	21.01
70-80	17.66
80-90	11.30
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

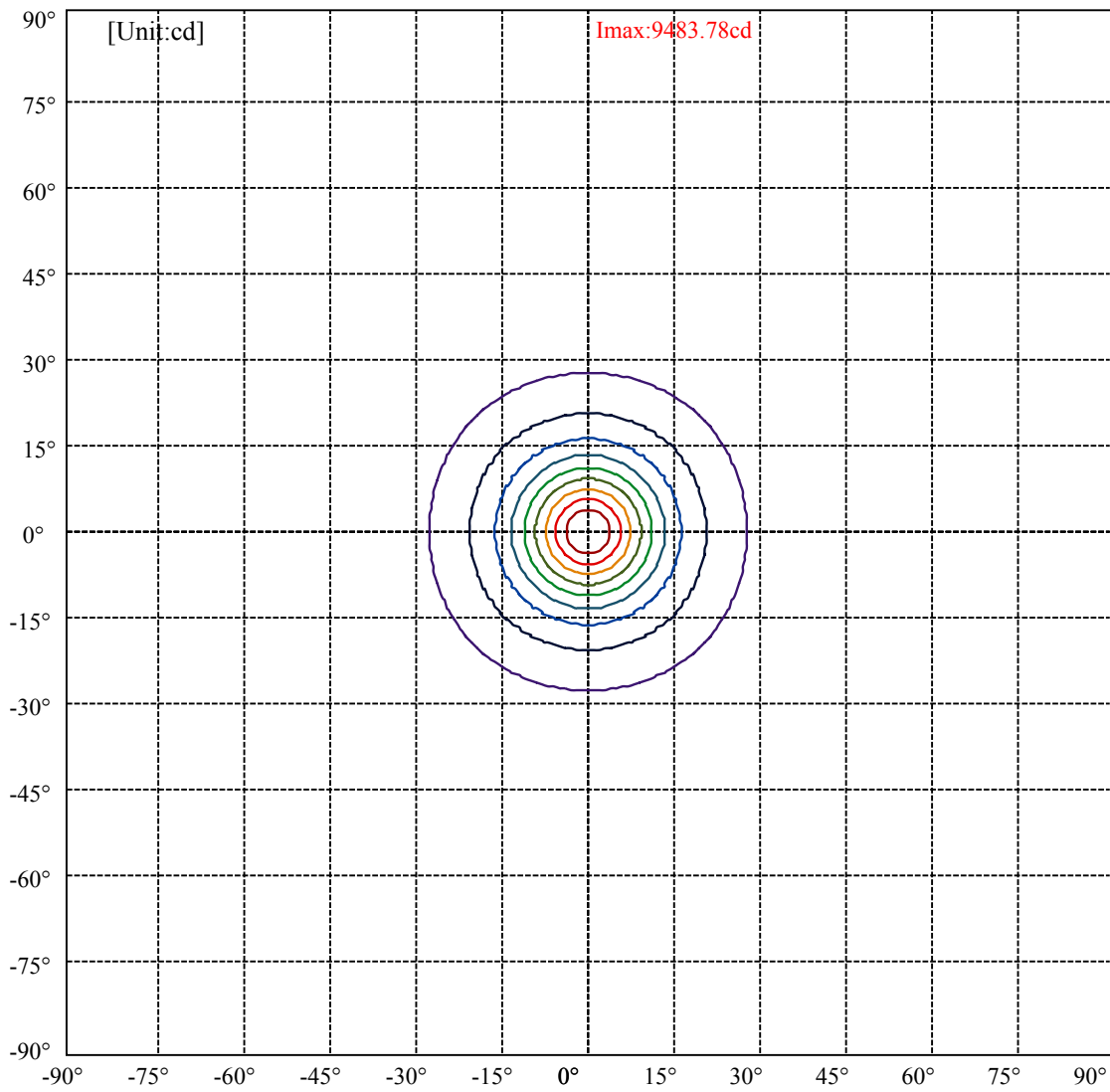


C0(Max): —————
C0/C180: —————
C90/C270: —————

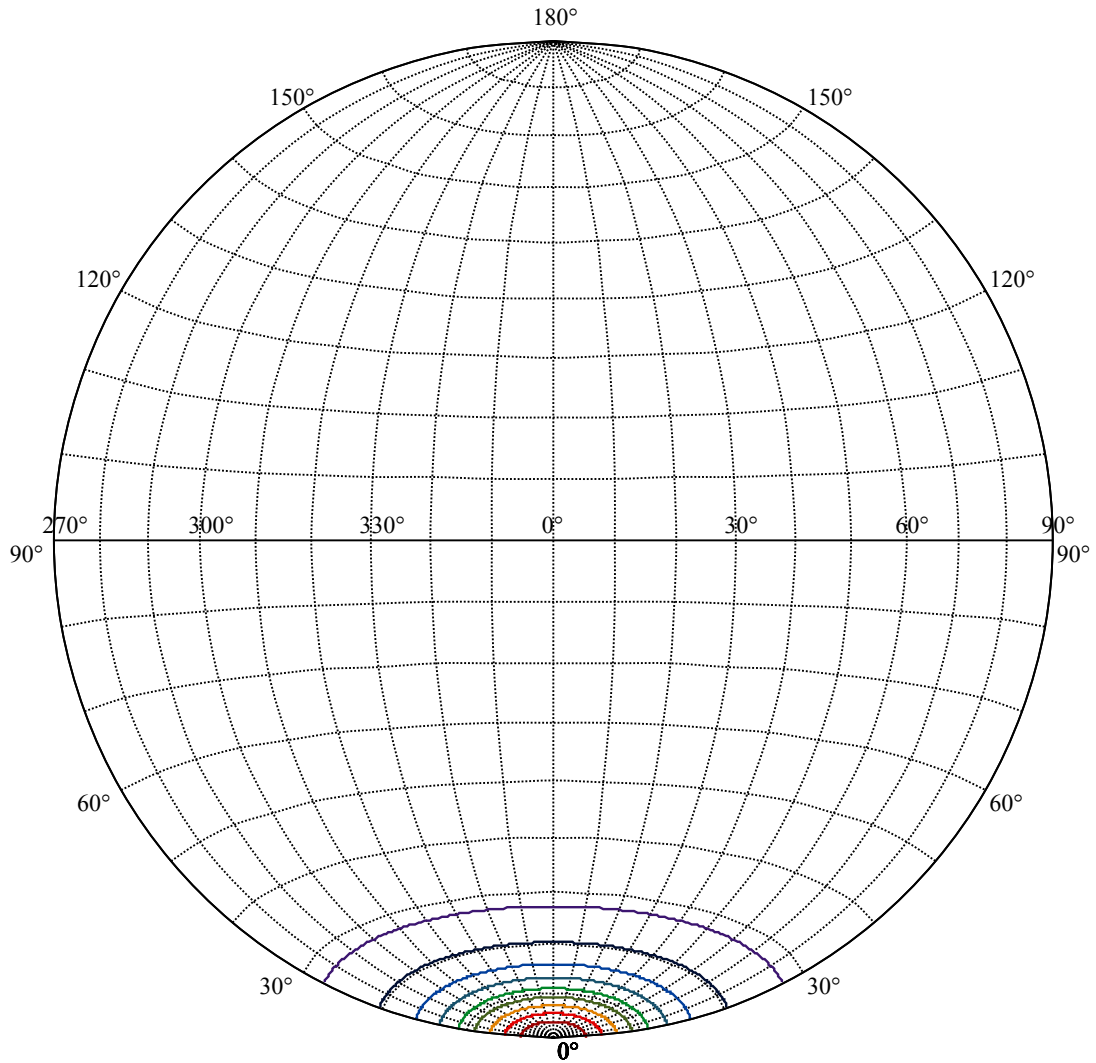
Field angle(10%Imax):C0/180Left:27.4 Right:27.4
:C90/270Left:27.4 Right:27.4

Beam Angle(50%Imax):C0/180Left:11.0 Right:11.0
:C90/270Left:11.0 Right:11.0





(10%Imax) 948.378	—
(20%Imax) 1896.76	—
(30%Imax) 2845.13	—
(40%Imax) 3793.51	—
(50%Imax) 4741.89	—
(60%Imax) 5690.27	—
(70%Imax) 6638.64	—
(80%Imax) 7587.02	—
(90%Imax) 8535.4	—



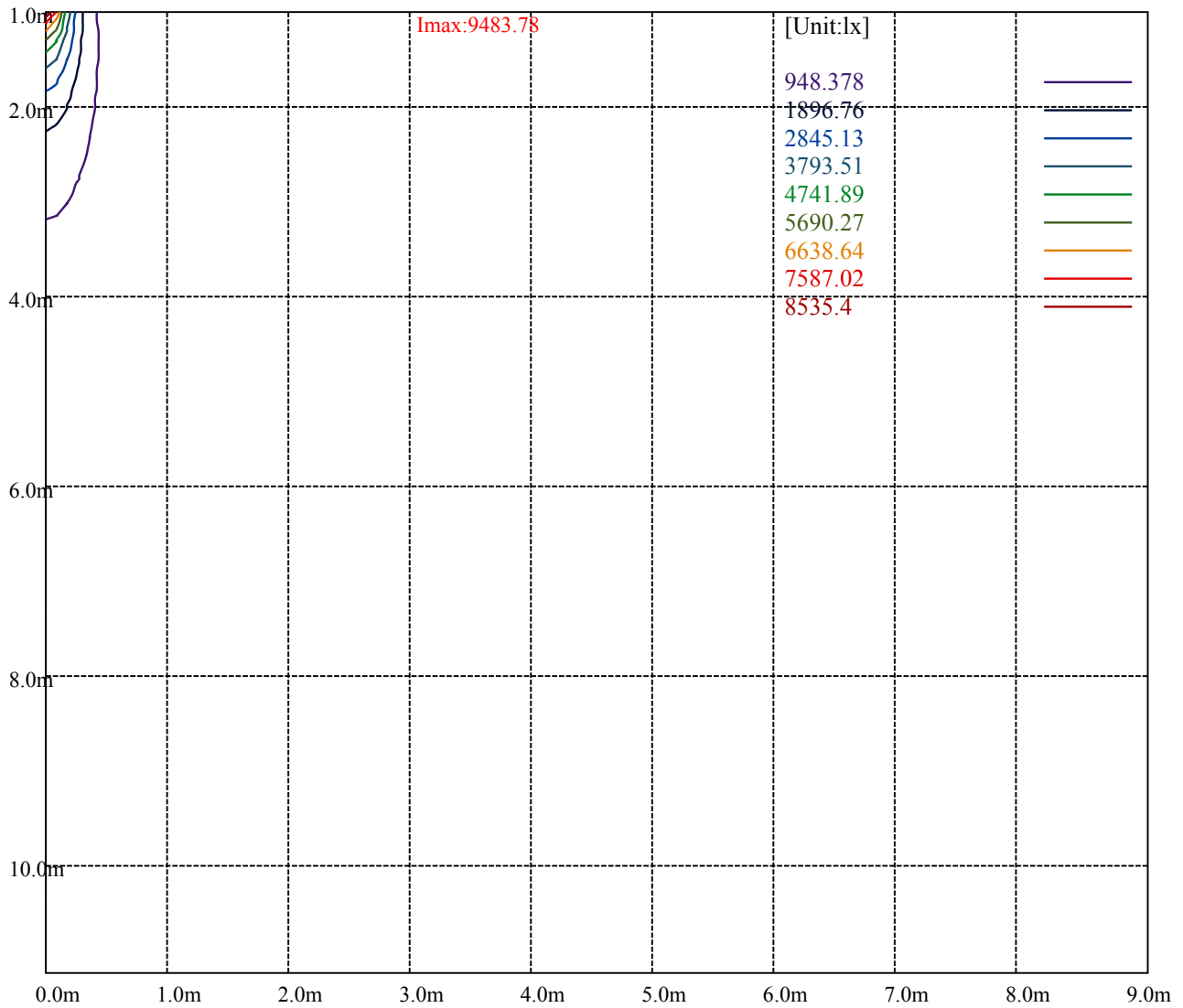
House

[Unit:cd]

Road

Imax:9483.78

(10%Imax)	948.378	—
(20%Imax)	1896.76	—
(30%Imax)	2845.13	—
(40%Imax)	3793.51	—
(50%Imax)	4741.89	—
(60%Imax)	5690.27	—
(70%Imax)	6638.64	—
(80%Imax)	7587.02	—
(90%Imax)	8535.4	—



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

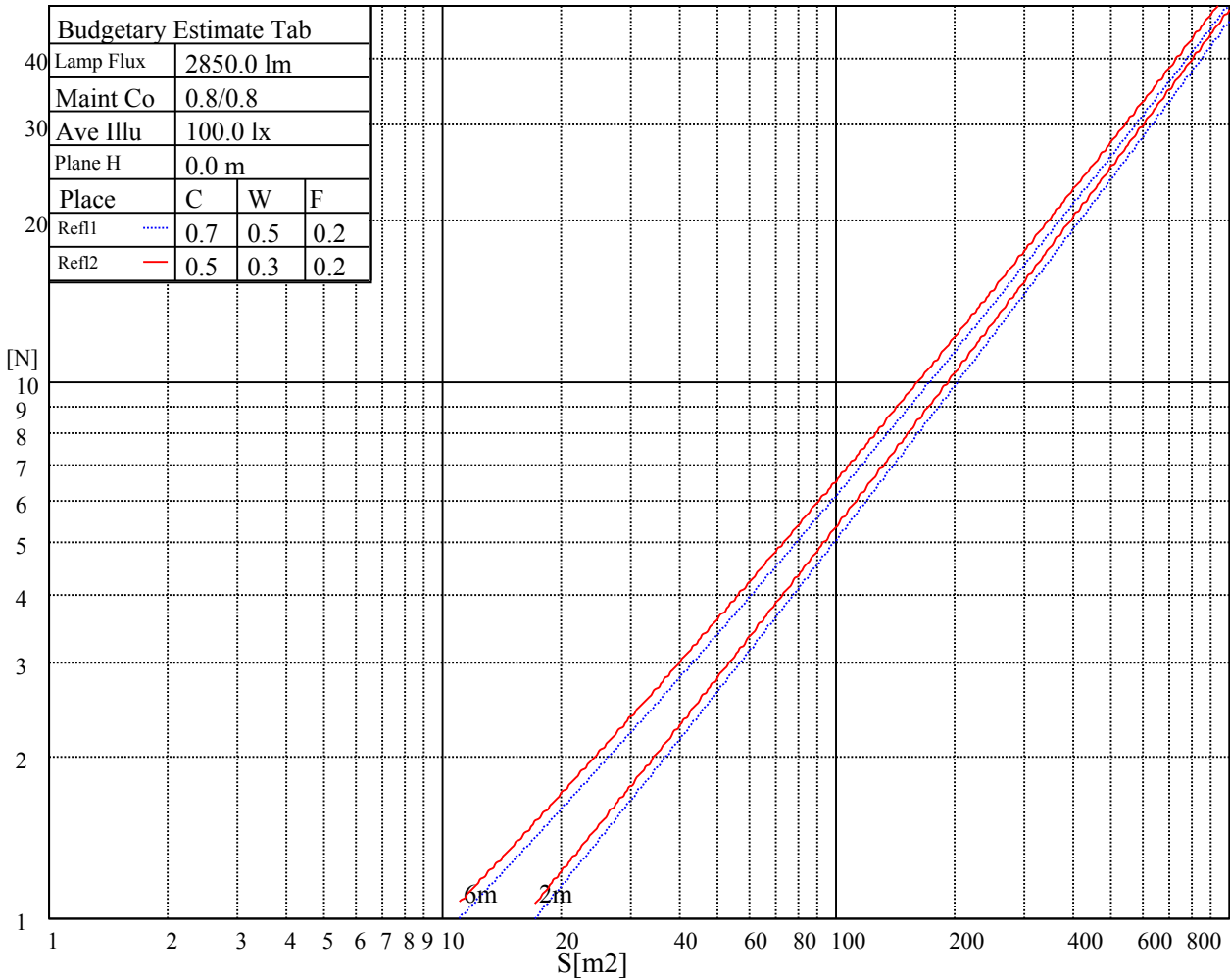
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

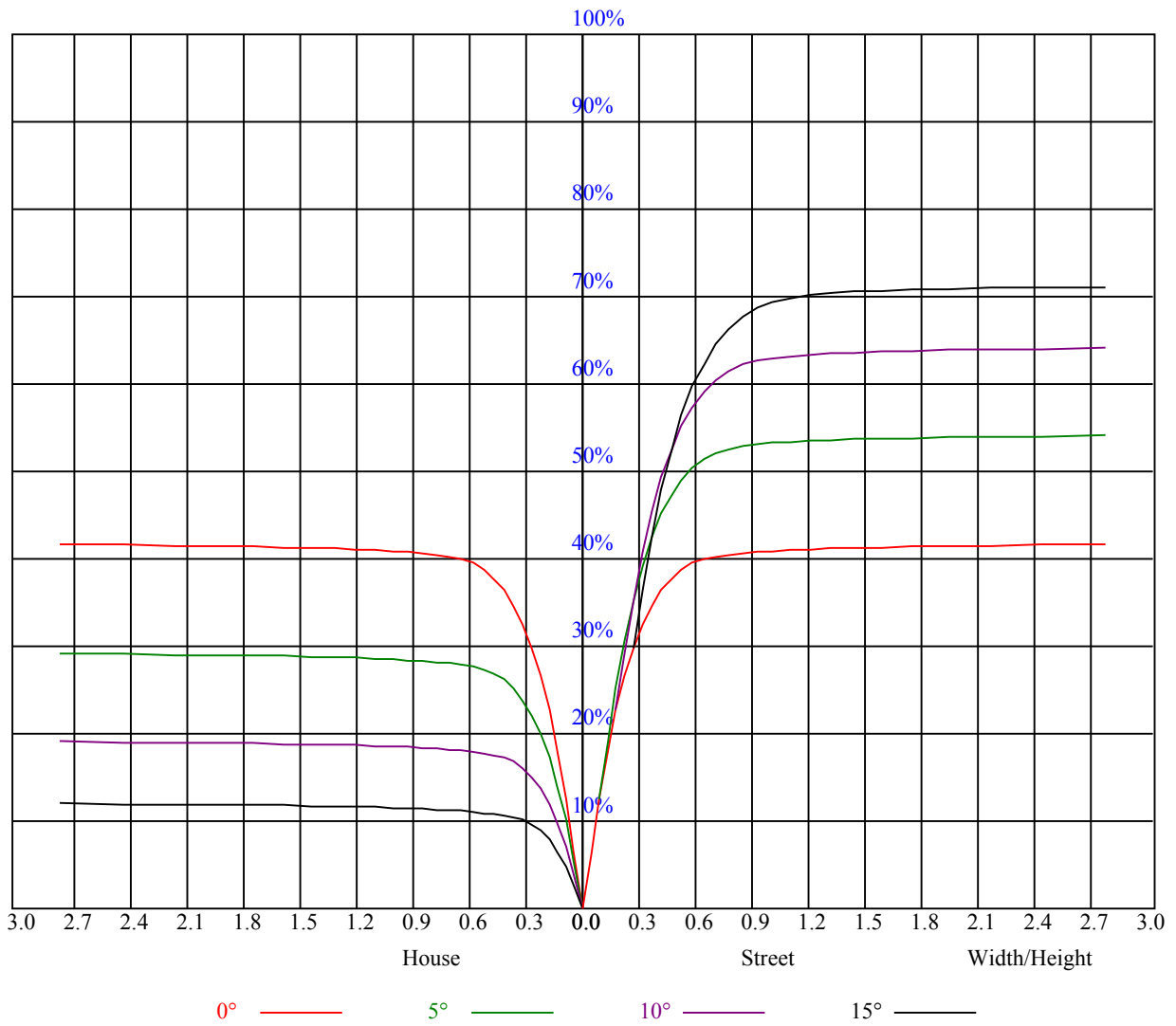


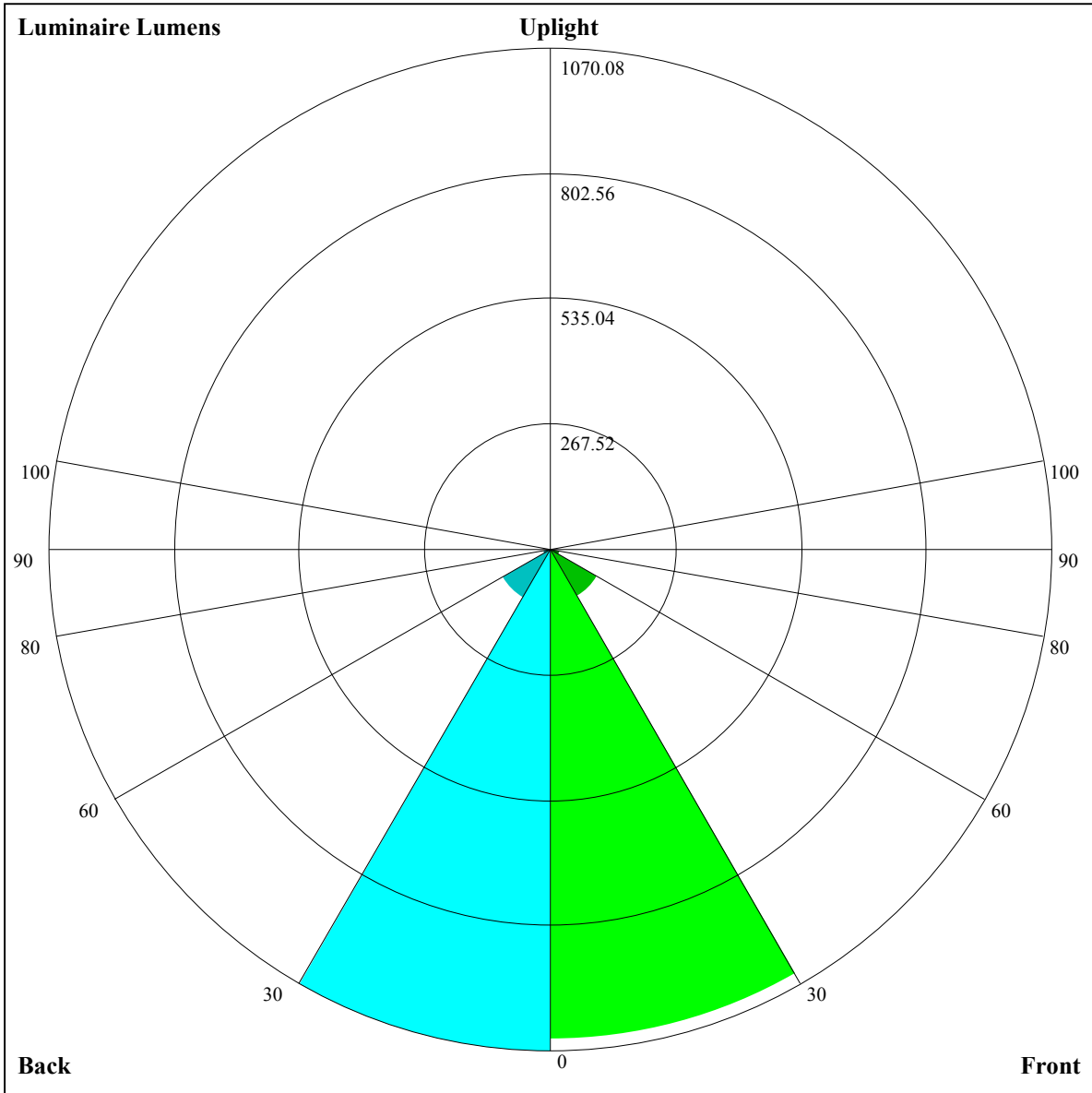
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	0.93	0.93	0.93	0.89	0.89	0.89	0.86	0.86	0.86	0.84
1	0.94	0.92	0.90	0.92	0.90	0.89	0.89	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.81	0.80
2	0.88	0.86	0.83	0.87	0.84	0.82	0.84	0.82	0.80	0.82	0.80	0.79	0.80	0.78	0.77	0.76
3	0.84	0.80	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.76	0.75	0.77	0.75	0.73	0.72
4	0.80	0.76	0.73	0.79	0.75	0.73	0.77	0.74	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
5	0.76	0.72	0.69	0.76	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.66
6	0.73	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.66	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	0.63	0.67	0.64	0.62	0.61
8	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59
9	0.65	0.61	0.59	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	0.63	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=1043.62,FM=114.64,FH=20.16,FVH=6.32

BL=1070.08,BM=119.8,BH=18.76,BVH=6.18

UL=0,UH=0

BUG Rating:B3-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	9494.75	9337.91	9045.30	8661.97	8202.57	7569.36	7056.70	6532.93	6023.78
45.0	9484.21	9492.99	9356.64	9018.96	8630.96	8168.63	7660.07	7009.88	6497.81
90.0	9488.31	9351.37	9020.72	8650.27	8199.65	7563.51	7052.02	6538.78	5909.08
135.0	9467.83	9497.09	9373.02	9137.18	8688.31	8241.20	7751.95	7233.44	6585.60
180.0	9494.75	9514.65	9381.80	9084.51	8727.52	8163.36	7671.77	7139.80	6627.15
225.0	9484.21	9350.78	9093.87	8648.51	8194.38	7702.20	7172.58	6509.52	5993.93
270.0	9488.31	9505.28	9398.77	9106.16	8752.10	8312.01	7823.35	7163.80	6645.29
315.0	9467.83	9330.89	9059.34	8580.63	8125.32	7621.44	6963.65	6435.78	5920.78
360.0	9494.75	9337.91	9045.30	8661.97	8202.57	7569.36	7056.70	6532.93	6023.78
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5533.95	4937.02	4501.02	4000.66	3631.38	3228.16	2944.33	2688.00	2462.69
45.0	5989.84	5500.00	4921.80	4489.90	4087.86	3715.07	3297.22	2998.75	2733.64
90.0	5416.32	4835.19	4404.46	4007.09	3638.99	3232.84	2946.67	2692.09	2463.27
135.0	6085.23	5590.71	5125.46	4575.35	4173.88	3791.73	3359.25	3050.84	2780.46
180.0	5995.69	5491.22	5016.61	4572.42	4063.86	3681.71	3338.18	2958.37	2710.24
225.0	5488.30	5014.27	4469.42	4070.88	3699.27	3281.42	2987.63	2726.62	2433.42
270.0	6133.22	5502.34	5022.46	4572.42	4062.69	3682.29	3333.50	2974.76	2705.55
315.0	5418.07	4836.36	4405.63	4005.34	3641.91	3235.18	2948.42	2690.92	2405.92
360.0	5533.95	4937.02	4501.02	4000.66	3631.38	3228.16	2944.33	2688.00	2462.69
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2221.57	2048.93	1889.16	1741.69	1557.34	1438.54	1158.63	1158.63	1065.64
45.0	2449.81	2256.10	2042.49	1887.41	1736.42	1590.70	1437.37	1329.10	1217.91
90.0	2220.40	2046.01	1886.24	1729.98	1549.15	1427.42	1140.25	1140.25	1047.61
135.0	2483.75	2281.85	2060.05	1897.36	1746.37	1592.46	1429.18	1322.67	1205.04
180.0	2467.37	2212.79	2046.01	1885.07	1683.75	1543.30	1425.08	1322.08	1173.43
225.0	2230.35	2008.55	1849.37	1697.80	1555.00	1407.52	1154.71	1154.71	1062.94
270.0	2472.05	2269.56	2054.20	1895.02	1737.59	1587.77	1440.88	1330.86	1218.50
315.0	2208.70	1994.51	1835.32	1687.26	1512.87	1398.75	1152.83	1152.83	1027.83
360.0	2221.57	2048.93	1889.16	1741.69	1557.34	1438.54	1158.63	1158.63	1065.64
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	942.39	823.65	684.30	577.62	458.58	373.02	292.14	206.76	160.88
45.0	1090.92	935.25	814.11	699.40	567.14	469.41	382.80	303.79	303.79
90.0	891.82	775.13	666.92	563.22	443.48	355.64	276.23	211.09	159.01
135.0	1079.80	920.62	802.99	692.38	563.04	467.07	377.53	299.11	299.11
180.0	1052.29	930.57	815.28	670.73	564.22	464.73	353.53	313.15	313.15
225.0	944.55	798.89	685.30	579.72	457.94	368.28	287.58	205.65	164.04
270.0	1069.85	945.78	800.06	684.77	572.99	474.09	359.97	299.69	299.69
315.0	911.72	791.98	679.15	572.41	451.03	364.24	285.30	202.55	158.19
360.0	942.39	823.65	684.30	577.62	458.58	373.02	292.14	206.76	160.88
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	137.06	122.55	109.61	95.86	86.55	78.19	69.23	62.85	57.47
45.0	157.48	137.12	122.84	110.14	96.91	87.73	79.36	72.16	64.26
90.0	139.11	125.36	110.20	99.72	90.53	80.23	73.09	66.66	59.69
135.0	164.10	136.53	122.72	110.61	100.25	88.78	80.41	73.27	66.83
180.0	151.87	132.55	119.33	105.22	95.22	86.03	75.96	69.00	62.74
225.0	138.00	123.83	111.54	100.60	88.31	79.71	72.04	65.31	57.94
270.0	167.02	137.64	123.13	110.84	97.32	87.78	79.24	70.11	63.56
315.0	131.27	117.75	105.69	93.05	83.86	75.90	68.88	61.21	55.95
360.0	137.06	122.55	109.61	95.86	86.55	78.19	69.23	62.85	57.47

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	51.50	47.34	43.72	39.91	37.34	35.11	32.77	31.19	29.90
45.0	58.82	53.96	48.63	44.89	41.73	38.22	35.87	34.00	31.95
90.0	54.84	50.45	46.58	42.43	39.62	37.16	34.70	32.95	31.49
135.0	59.81	54.95	50.39	45.59	42.25	39.33	36.11	34.12	32.42
180.0	57.24	51.27	47.11	43.42	40.20	36.81	34.41	31.89	30.20
225.0	52.85	48.34	43.54	40.15	37.28	34.24	32.13	30.37	28.50
270.0	57.88	52.96	47.52	43.77	40.50	37.04	34.70	32.19	30.49
315.0	51.32	47.29	42.90	39.91	37.28	34.53	32.66	30.67	29.32
360.0	51.50	47.34	43.72	39.91	37.34	35.11	32.77	31.19	29.90
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.68	27.45	26.63	25.87	25.28	24.87	24.76	24.46	23.99
45.0	30.61	29.38	28.32	27.21	26.45	25.93	25.52	25.28	24.99
90.0	30.20	28.73	27.74	26.69	26.04	25.63	25.28	24.87	24.46
135.0	30.67	29.26	28.15	27.15	26.16	25.46	24.93	24.64	24.23
180.0	28.73	27.51	26.16	25.28	24.46	23.76	23.35	23.12	22.71
225.0	27.27	26.22	25.34	24.40	23.88	23.41	23.23	22.88	22.53
270.0	29.09	27.86	26.51	25.69	24.93	24.40	23.88	23.76	23.47
315.0	28.09	27.15	26.10	25.46	24.87	24.58	24.35	23.99	23.53
360.0	28.68	27.45	26.63	25.87	25.28	24.87	24.76	24.46	23.99
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.53	22.06	21.07	20.13	19.14	18.49	18.32	18.43	18.90
45.0	24.64	23.88	22.82	21.77	20.54	19.84	19.61	19.90	20.66
90.0	23.94	22.53	21.54	20.66	20.42	20.72	20.95	21.83	22.88
135.0	23.64	23.17	22.00	20.95	19.72	18.79	18.02	17.09	16.50
180.0	22.47	21.95	20.95	19.72	18.84	17.91	16.97	16.33	15.68
225.0	22.12	21.01	20.01	18.90	17.97	17.32	16.50	16.04	15.63
270.0	23.12	22.47	21.36	20.25	19.31	18.38	17.56	17.03	17.44
315.0	22.94	21.65	20.60	19.37	18.43	17.67	16.85	16.33	15.86
360.0	23.53	22.06	21.07	20.13	19.14	18.49	18.32	18.43	18.90
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.37	20.01	20.13	19.96	19.66	18.90	17.67	16.27	14.92
45.0	21.54	22.24	22.94	23.17	22.88	22.41	20.95	19.14	17.56
90.0	22.53	21.83	21.30	20.19	19.96	19.25	18.20	17.26	15.04
135.0	16.04	15.63	15.27	14.92	14.57	14.22	13.81	13.52	13.11
180.0	15.27	14.92	14.63	14.34	13.93	13.58	13.28	12.87	12.58
225.0	15.27	14.98	14.63	14.28	13.99	13.64	13.17	12.82	12.47
270.0	17.21	16.74	16.21	15.63	14.86	14.22	13.69	13.28	12.82
315.0	15.39	15.04	14.69	14.34	13.93	13.58	13.17	12.87	12.47
360.0	19.37	20.01	20.13	19.96	19.66	18.90	17.67	16.27	14.92
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.76	12.17	11.88	11.59	11.35	10.94	10.59	10.48	10.24
45.0	15.22	13.11	12.41	12.00	11.59	11.47	10.89	10.53	10.42
90.0	12.70	12.17	11.82	11.47	11.24	10.77	10.53	10.48	10.24
135.0	12.70	12.41	12.00	11.70	11.35	10.94	10.65	10.42	10.42
180.0	12.29	11.94	11.65	11.41	11.18	10.83	10.65	10.42	10.42
225.0	12.17	11.82	11.47	11.29	10.89	10.71	10.48	10.42	10.18
270.0	12.47	12.06	11.70	11.41	11.18	10.89	10.59	10.42	10.42
315.0	12.17	11.88	11.59	11.35	11.06	10.65	10.42	10.42	10.24
360.0	12.76	12.17	11.88	11.59	11.35	10.94	10.59	10.48	10.24

Intensity data(cd)

C/γ(°)	90.0
0.0	10.42
45.0	10.24
90.0	10.42
135.0	10.12
180.0	10.24
225.0	10.42
270.0	10.24
315.0	10.36
360.0	10.42