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NT

Client:

LumCAT: 2-2687-L

Luminaire: 92.70.411.00

Report No: 2024330-B021

Ballast type: AC

Test No: 2024330-C021

Voltage(V): 34.170

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.576

Lamp flux(lm): 2850.0

Power (W): 19.681

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2389.01, Efficiency(%): 83.83% , Luminous Efficacy(lm/W): 121.39

Central intensity(cd): 9465.195, Maximum intensity(cd): 9465.195

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=22.2

[C90/270]Total=22.2

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(%): 83.83%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.010%

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	9465.195	0.000	0	0.00%	0.00%
1.0	9374.046	9.014	9.014	0.32%	0.38%
2.0	9136.811	26.569	35.583	0.93%	1.49%
3.0	8768.558	42.824	78.407	1.50%	3.28%
4.0	8333.370	57.246	135.652	2.01%	5.68%
5.0	7841.854	69.585	205.237	2.44%	8.59%
6.0	7338.122	79.775	285.012	2.80%	11.93%
7.0	6797.374	87.739	372.751	3.08%	15.60%
8.0	6282.229	93.608	466.359	3.28%	19.52%
9.0	5773.523	97.705	564.064	3.43%	23.61%
10.0	5272.058	99.958	664.023	3.51%	27.79%
11.0	4774.690	100.388	764.41	3.52%	32.00%
12.0	4319.385	99.411	863.822	3.49%	36.16%
13.0	3901.242	97.558	961.38	3.42%	40.24%
14.0	3508.994	94.850	1056.23	3.33%	44.21%
15.0	3157.347	91.519	1147.749	3.21%	48.04%
16.0	2848.422	88.001	1235.75	3.09%	51.73%
17.0	2588.216	84.663	1320.413	2.97%	55.27%
18.0	2367.806	81.714	1402.127	2.87%	58.69%
19.0	2163.709	78.839	1480.966	2.77%	61.99%
20.0	1968.170	75.625	1556.591	2.65%	65.16%
21.0	1795.456	72.269	1628.86	2.54%	68.18%
22.0	1644.029	69.118	1697.978	2.43%	71.07%
23.0	1480.188	65.554	1763.533	2.30%	73.82%
24.0	1313.369	61.077	1824.61	2.14%	76.38%
25.0	1222.542	57.661	1882.271	2.02%	78.79%
26.0	1120.069	55.298	1937.569	1.94%	81.10%
27.0	1000.859	51.889	1989.458	1.82%	83.28%
28.0	871.605	47.407	2036.864	1.66%	85.26%
29.0	756.689	42.601	2079.465	1.49%	87.04%
30.0	645.532	37.860	2117.325	1.33%	88.63%
31.0	540.550	33.007	2150.332	1.16%	90.01%
32.0	450.740	28.399	2178.731	1.00%	91.20%
33.0	367.514	24.106	2202.837	0.85%	92.21%
34.0	301.742	20.254	2223.091	0.71%	93.05%
35.0	258.925	17.412	2240.503	0.61%	93.78%
36.0	221.500	15.297	2255.8	0.54%	94.42%
37.0	147.645	12.039	2267.839	0.42%	94.93%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	117.842	8.862	2276.701	0.31%	95.30%
39.0	94.521	7.249	2283.95	0.25%	95.60%
40.0	76.957	5.981	2289.93	0.21%	95.85%
41.0	63.482	5.001	2294.931	0.18%	96.06%
42.0	53.614	4.254	2299.185	0.15%	96.24%
43.0	46.145	3.695	2302.881	0.13%	96.39%
44.0	40.432	3.268	2306.148	0.11%	96.53%
45.0	36.511	2.957	2309.105	0.10%	96.66%
46.0	33.285	2.730	2311.835	0.10%	96.77%
47.0	30.754	2.547	2314.382	0.09%	96.88%
48.0	28.493	2.395	2316.777	0.08%	96.98%
49.0	26.759	2.269	2319.046	0.08%	97.07%
50.0	25.377	2.174	2321.22	0.08%	97.16%
51.0	24.265	2.100	2323.32	0.07%	97.25%
52.0	23.431	2.047	2325.367	0.07%	97.34%
53.0	22.824	2.012	2327.379	0.07%	97.42%
54.0	22.392	1.993	2329.372	0.07%	97.50%
55.0	22.070	1.985	2331.356	0.07%	97.59%
56.0	21.887	1.986	2333.343	0.07%	97.67%
57.0	21.792	1.997	2335.34	0.07%	97.75%
58.0	21.748	2.013	2337.353	0.07%	97.84%
59.0	21.880	2.040	2339.393	0.07%	97.92%
60.0	22.026	2.074	2341.467	0.07%	98.01%
61.0	22.034	2.103	2343.57	0.07%	98.10%
62.0	21.748	2.110	2345.68	0.07%	98.19%
63.0	21.178	2.088	2347.767	0.07%	98.27%
64.0	20.388	2.040	2349.807	0.07%	98.36%
65.0	19.415	1.970	2351.777	0.07%	98.44%
66.0	18.449	1.889	2353.666	0.07%	98.52%
67.0	17.666	1.816	2355.482	0.06%	98.60%
68.0	16.854	1.749	2357.231	0.06%	98.67%
69.0	16.364	1.695	2358.925	0.06%	98.74%
70.0	16.145	1.670	2360.595	0.06%	98.81%
71.0	16.116	1.667	2362.262	0.06%	98.88%
72.0	16.021	1.671	2363.933	0.06%	98.95%
73.0	15.962	1.672	2365.606	0.06%	99.02%
74.0	15.903	1.675	2367.281	0.06%	99.09%
75.0	15.626	1.666	2368.947	0.06%	99.16%

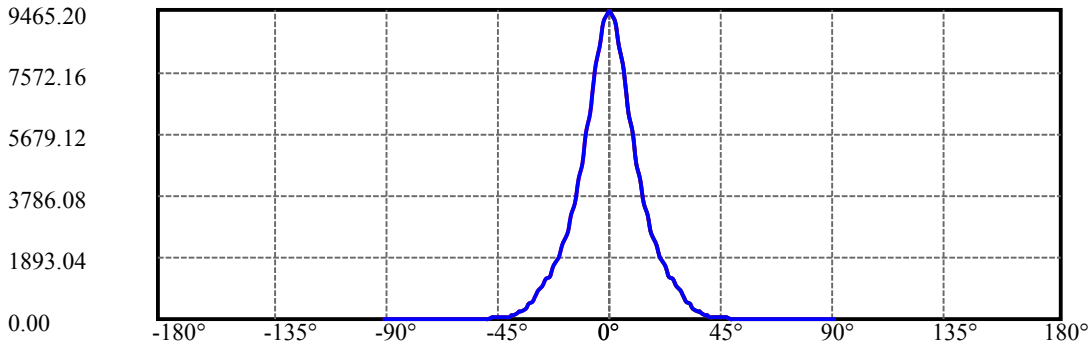
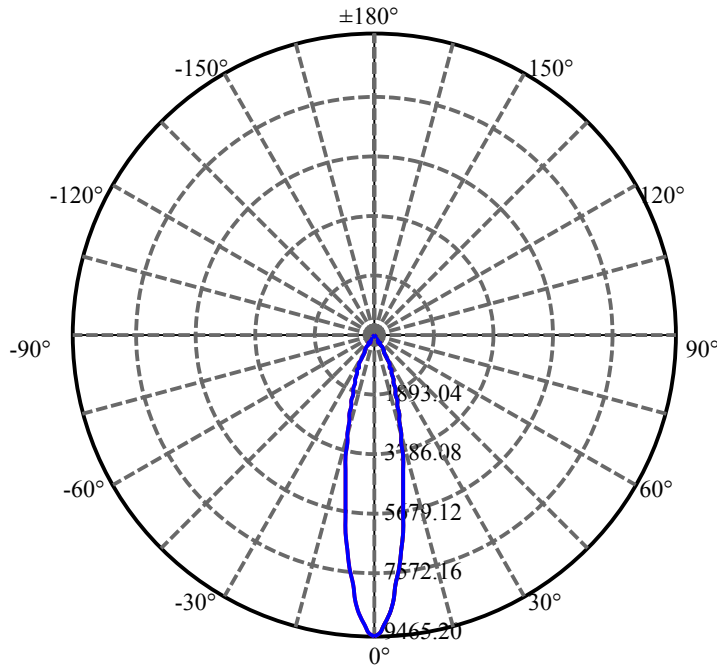
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.421	1.648	2370.595	0.06%	99.23%
77.0	15.040	1.624	2372.219	0.06%	99.30%
78.0	14.631	1.588	2373.807	0.06%	99.36%
79.0	14.053	1.541	2375.348	0.05%	99.43%
80.0	13.211	1.470	2376.818	0.05%	99.49%
81.0	12.487	1.390	2378.208	0.05%	99.55%
82.0	11.843	1.319	2379.527	0.05%	99.60%
83.0	11.514	1.270	2380.797	0.04%	99.66%
84.0	11.258	1.241	2382.038	0.04%	99.71%
85.0	11.017	1.216	2383.254	0.04%	99.76%
86.0	10.746	1.190	2384.443	0.04%	99.81%
87.0	10.541	1.165	2385.608	0.04%	99.86%
88.0	10.402	1.147	2386.755	0.04%	99.91%
89.0	10.271	1.133	2387.889	0.04%	99.95%
90.0	10.234	1.124	2389.013	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2117.32	74.29%	88.63%
0-40	2289.93	80.35%	95.85%
0-60	2341.47	82.16%	98.01%
0-90	2387.89	83.79%	99.95%
0-120	2387.89	83.79%	99.95%
0-180	2389.01	83.83%	100.00%
60-90	46.42	1.63%	1.94%
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%
0-25.52	1911.21	67.06%	80.00%

ZONAL LUMEN SUMMARY

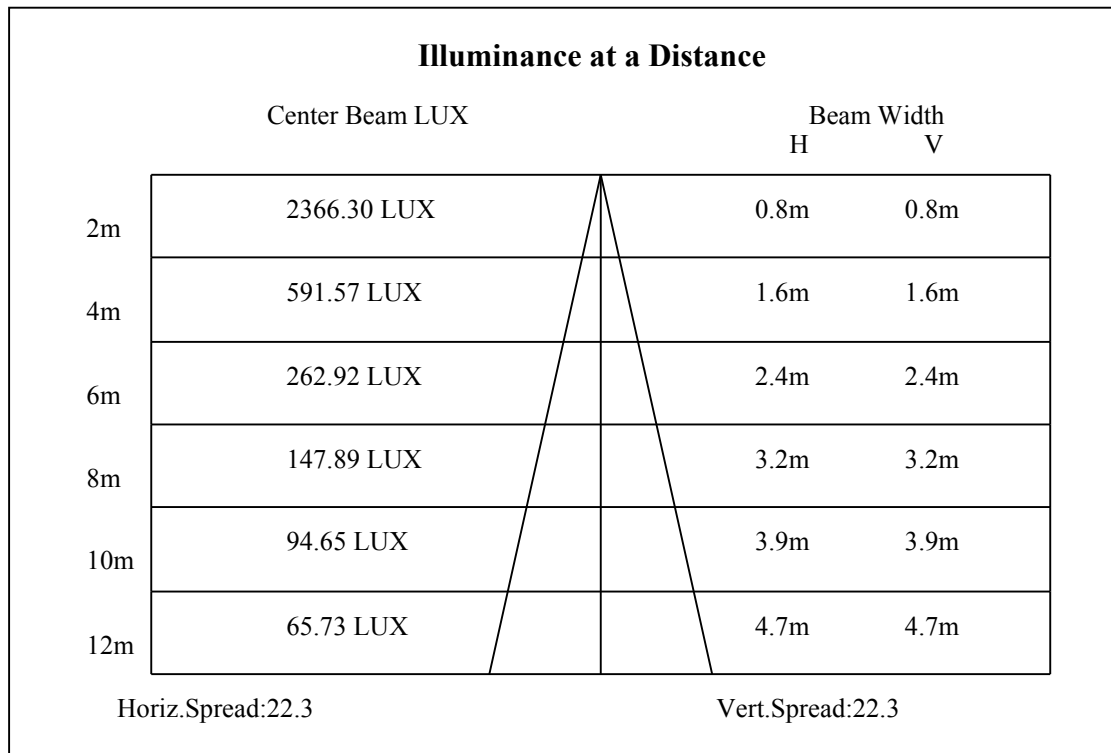
0-10	664.02
10-20	892.57
20-30	560.73
30-40	172.61
40-50	31.29
50-60	20.25
60-70	19.13
70-80	16.22
80-90	11.07
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

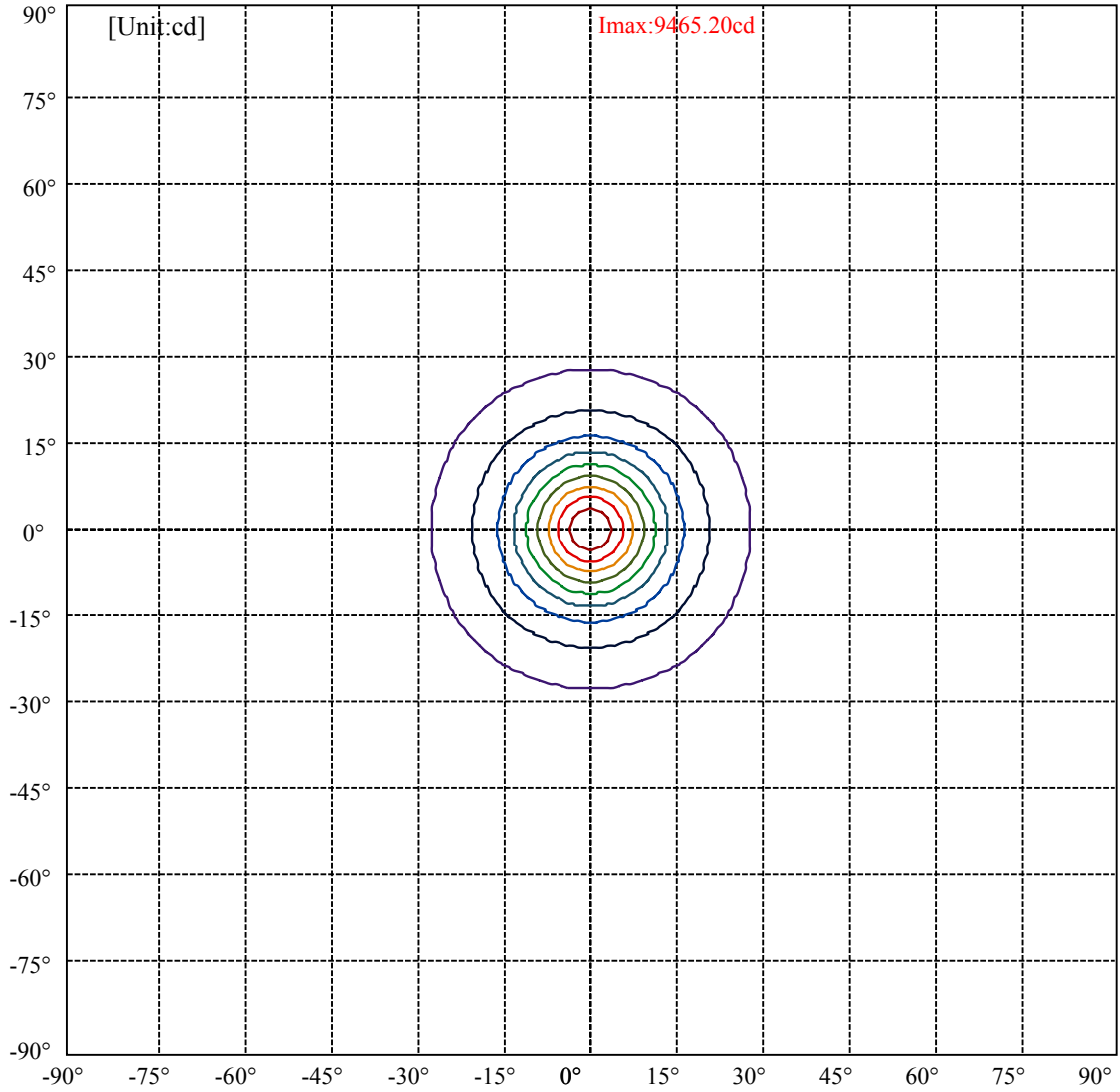


C0(Max): —————  
C0/C180: —————  
C90/C270: —————

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

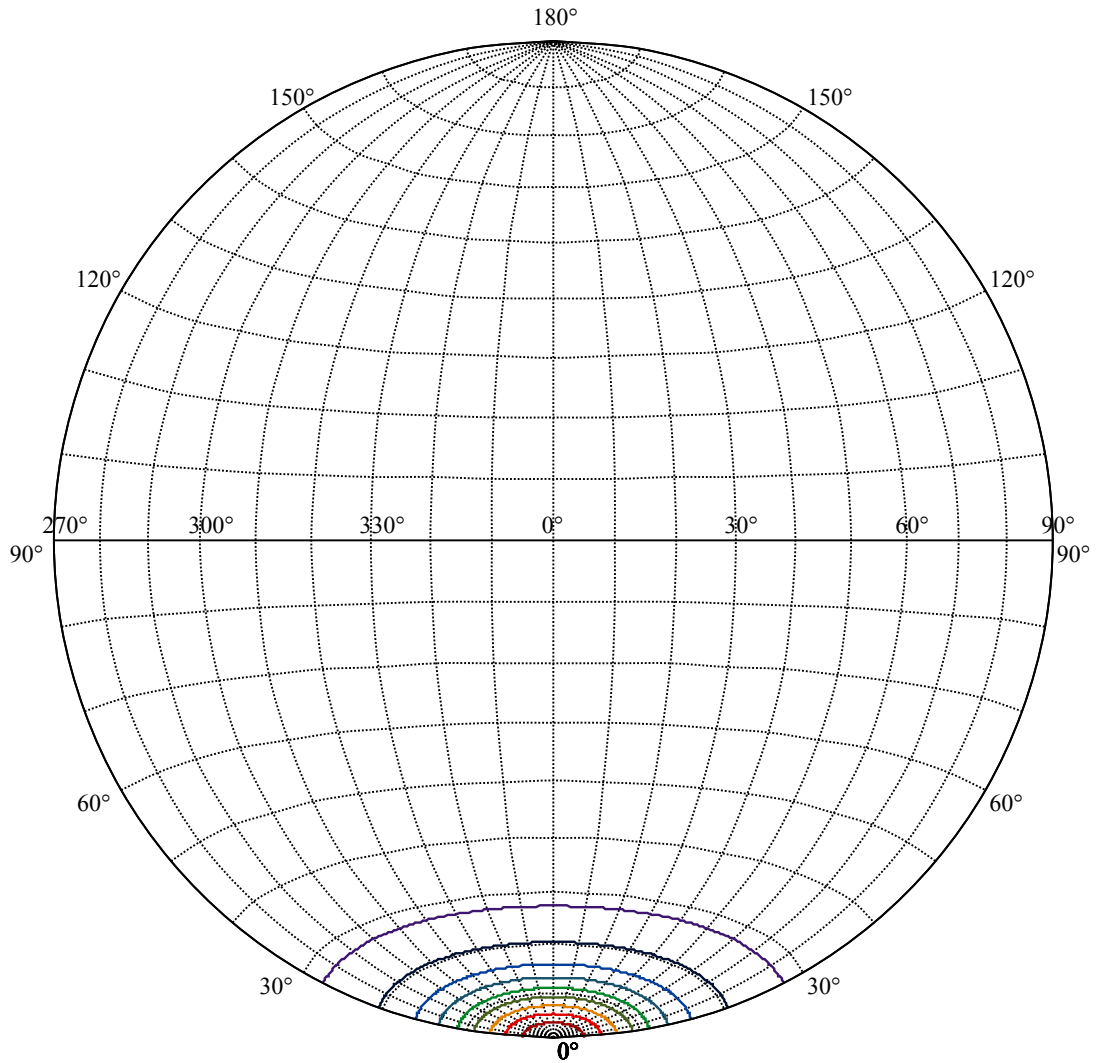
Beam Angle(50%Imax):C0/180Left:11.1 Right:11.1  
:C90/270Left:11.1 Right:11.1





(10%Imax) 946.52	—
(20%Imax) 1893.04	—
(30%Imax) 2839.56	—
(40%Imax) 3786.08	—
(50%Imax) 4732.6	—
(60%Imax) 5679.12	—
(70%Imax) 6625.64	—
(80%Imax) 7572.16	—
(90%Imax) 8518.68	—





House

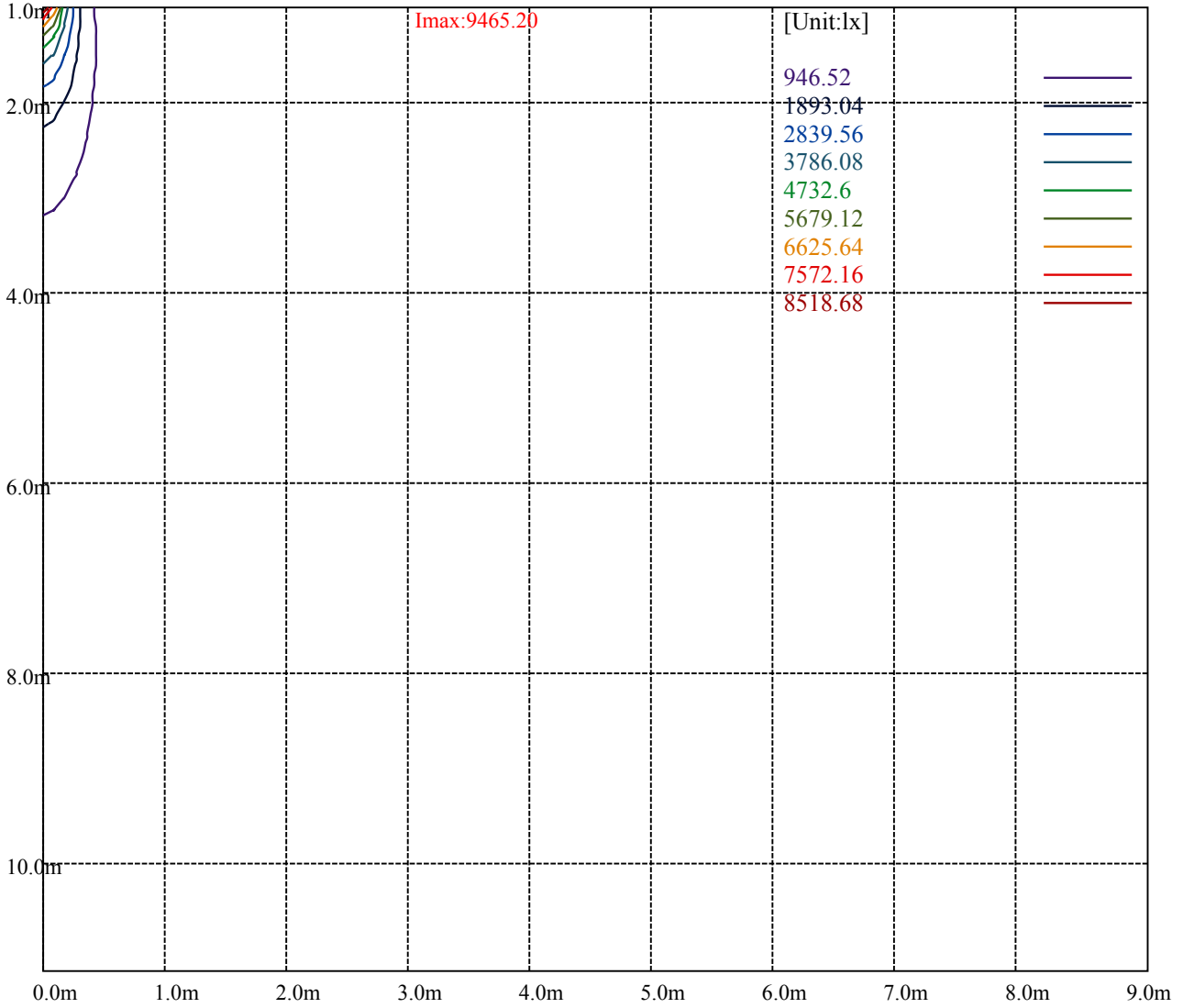
[Unit:cd]

Road

Imax:9465.20

(10%Imax)	946.52	—
(20%Imax)	1893.04	—
(30%Imax)	2839.56	—
(40%Imax)	3786.08	—
(50%Imax)	4732.6	—
(60%Imax)	5679.12	—
(70%Imax)	6625.64	—
(80%Imax)	7572.16	—
(90%Imax)	8518.68	—





Luminance Table

$\gamma$	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

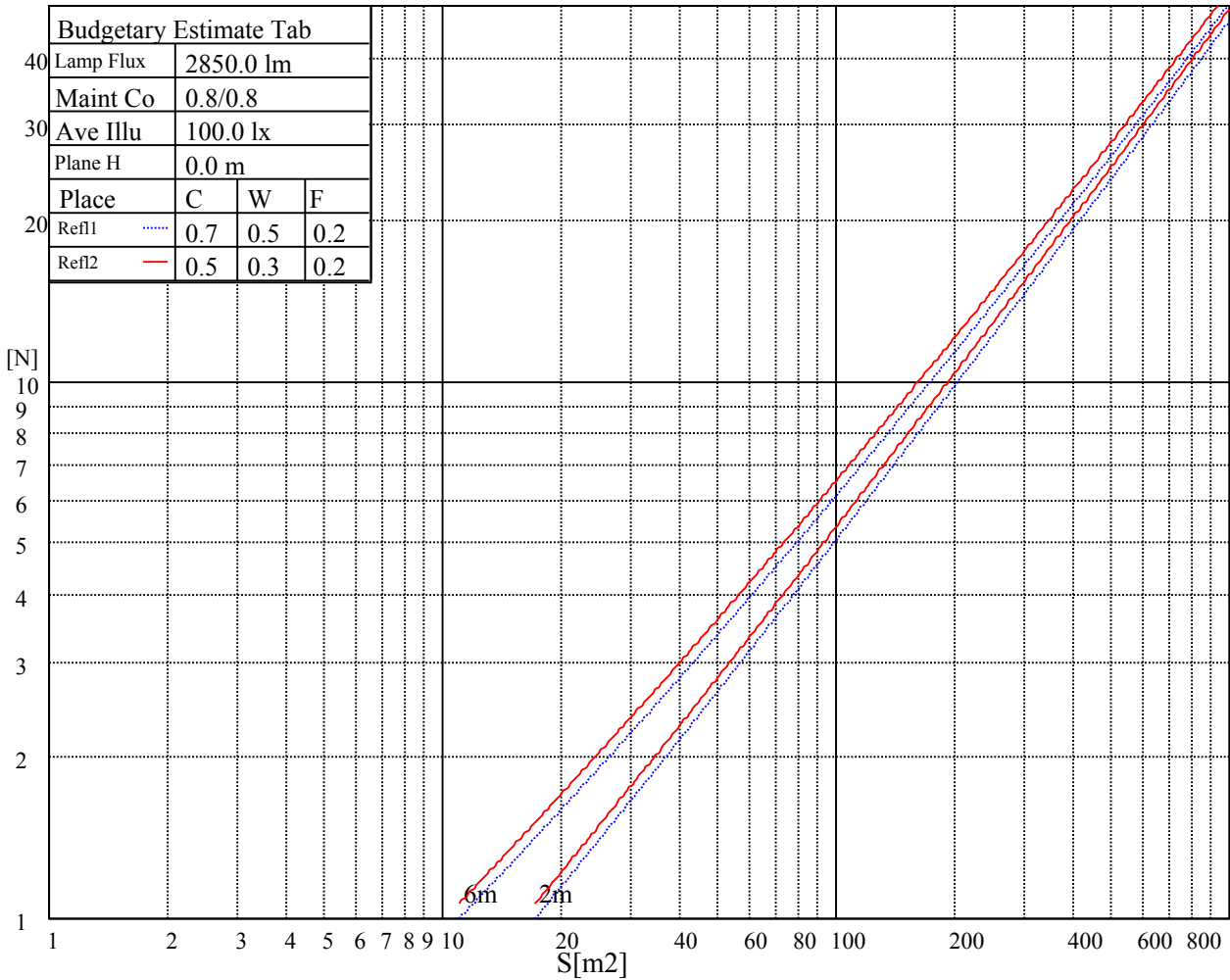
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

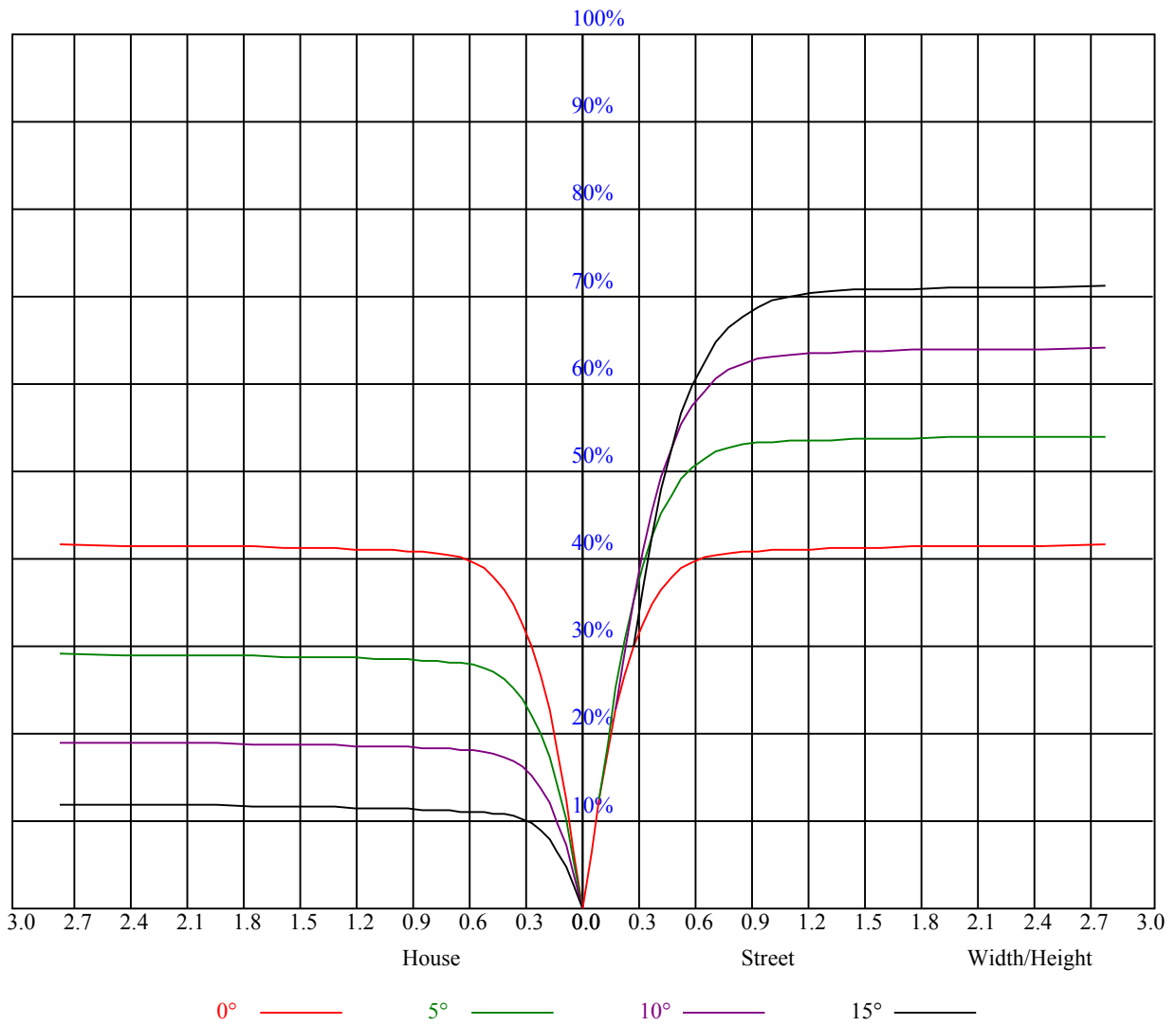


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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				

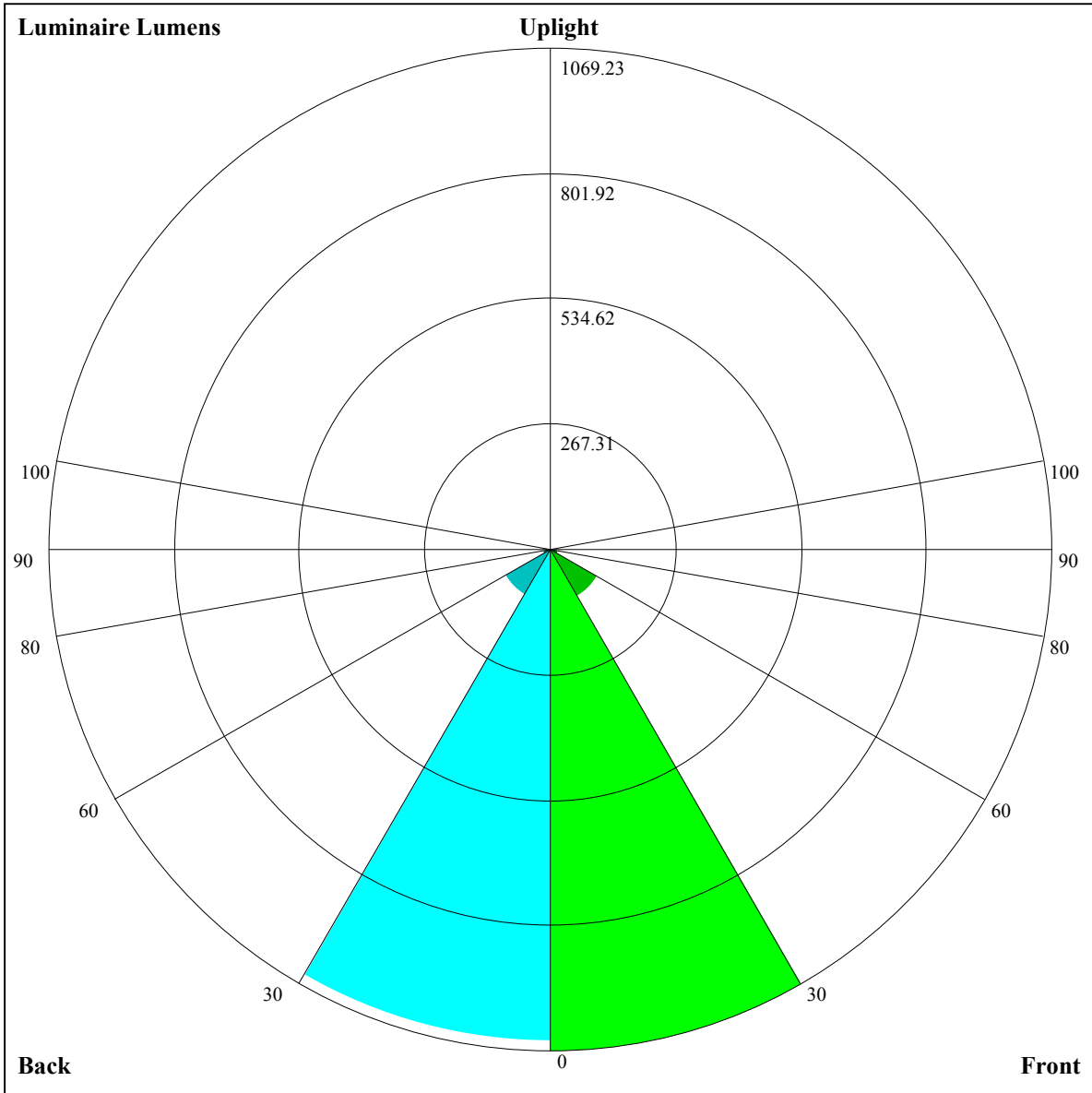
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.00	1.00	1.00	0.97	0.97	0.97	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	0.88	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	0.77	0.75	0.77	0.75	0.74	0.72
4	0.80	0.76	0.73	0.79	0.76	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	0.70	0.76	0.72	0.69	0.74	0.71	0.69	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	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
9	0.65	0.61	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.55







Luminaire Lumens:

FL=1069.23,FM=116.28,FH=18.11,FVH=6.16

BL=1048.57,BM=110.64,BH=17.54,BVH=6.07

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	9500.60	9388.82	9124.89	8781.36	8258.17	7781.80	7296.64	6812.08	6318.73
45.0	9436.23	9467.24	9342.59	9027.74	8659.05	8224.81	7747.85	7142.14	6664.02
90.0	9450.27	9230.23	8947.56	8461.24	8008.28	7519.03	6908.05	6432.27	5947.11
135.0	9473.68	9443.25	9255.39	8886.70	8474.12	8017.06	7540.10	6900.45	6429.34
180.0	9500.60	9432.72	9144.78	8822.91	8423.20	7861.97	7345.80	6830.80	6344.48
225.0	9436.23	9198.63	8894.89	8386.92	7926.93	7438.27	6925.03	6309.95	5828.90
270.0	9450.27	9471.34	9320.35	9067.53	8628.03	8197.31	7733.22	7227.00	6618.95
315.0	9473.68	9360.15	9064.02	8714.06	8289.19	7694.60	7208.27	6724.29	6106.30
360.0	9500.60	9388.82	9124.89	8781.36	8258.17	7781.80	7296.64	6812.08	6318.73
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5707.76	5222.61	4760.86	4325.46	3843.23	3486.24	3092.39	2822.60	2581.49
45.0	6191.15	5715.37	5130.73	4681.27	4257.57	3777.69	3427.14	3036.79	2775.78
90.0	5473.67	4896.05	4453.04	4048.06	3679.37	3260.35	2968.32	2713.16	2432.25
135.0	5967.01	5395.25	4947.55	4410.90	4012.36	3649.52	3310.09	2932.04	2682.14
180.0	5761.01	5286.40	4829.34	4395.10	3894.15	3527.79	3194.80	2842.50	2607.82
225.0	5350.77	4893.12	4354.72	3958.52	3592.17	3263.27	2894.58	2648.20	2379.00
270.0	6134.97	5643.97	5159.40	4587.05	4162.76	3687.56	3334.67	3019.23	2710.82
315.0	5601.83	5123.70	4561.89	4148.72	3768.32	3419.53	3036.79	2772.85	2536.42
360.0	5707.76	5222.61	4760.86	4325.46	3843.23	3486.24	3092.39	2822.60	2581.49
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2331.01	2143.74	1969.93	1777.39	1642.20	1515.21	1308.04	1159.04	1130.54
45.0	2548.71	2346.81	2116.23	1948.86	1796.11	1656.25	1495.31	1374.75	1250.10
90.0	2241.47	2056.54	1851.71	1704.82	1538.62	1411.62	1141.95	1141.95	1025.31
135.0	2462.69	2257.86	2030.20	1864.59	1714.18	1545.64	1416.30	1293.99	1143.00
180.0	2385.44	2141.40	1966.41	1766.85	1615.28	1485.94	1367.73	1210.30	1097.94
225.0	2180.02	1995.68	1792.02	1650.39	1521.06	1157.81	1157.81	1130.30	1016.18
270.0	2466.78	2270.15	2093.41	1877.46	1720.62	1587.19	1462.54	1312.72	1196.26
315.0	2326.33	2097.50	1925.45	1773.29	1604.16	1481.85	1157.28	1157.28	1101.22
360.0	2331.01	2143.74	1969.93	1777.39	1642.20	1515.21	1308.04	1159.04	1130.54
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1015.25	899.72	759.51	654.40	561.11	475.73	377.59	308.65	238.19
45.0	1102.04	983.24	866.78	726.91	625.08	536.71	433.71	359.97	309.64
90.0	909.38	795.03	688.63	590.84	481.93	401.87	330.89	255.57	205.59
135.0	1021.86	873.80	760.27	655.51	562.46	456.53	378.70	310.81	295.60
180.0	984.41	872.04	760.85	630.35	536.12	428.44	357.05	307.89	307.89
225.0	903.00	762.67	655.63	559.53	451.62	373.49	304.67	247.26	189.26
270.0	1081.55	938.17	825.23	713.45	588.21	498.67	398.01	328.37	296.77
315.0	989.38	848.17	736.62	633.27	517.87	434.47	359.50	295.42	228.47
360.0	1015.25	899.72	759.51	654.40	561.11	475.73	377.59	308.65	238.19
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	193.12	156.61	119.80	97.21	80.06	66.48	55.77	46.00	40.67
45.0	309.64	179.43	144.20	115.99	89.31	73.80	62.21	53.37	44.83
90.0	165.38	126.35	102.24	79.65	66.60	56.53	48.57	42.84	37.75
135.0	295.60	150.29	120.26	96.45	78.60	62.91	54.19	45.94	41.02
180.0	174.51	137.35	106.10	85.44	71.34	59.22	49.63	43.66	39.21
225.0	152.10	116.40	94.57	77.60	61.98	53.31	46.58	41.49	36.81
270.0	296.77	165.44	134.37	109.91	90.36	71.34	59.99	51.09	44.48
315.0	184.87	149.29	121.20	93.93	77.43	64.26	51.97	44.77	38.68
360.0	193.12	156.61	119.80	97.21	80.06	66.48	55.77	46.00	40.67

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	36.69	32.83	30.43	27.97	26.39	25.11	23.82	23.12	22.59
45.0	40.03	36.40	32.83	30.55	28.21	26.69	25.46	24.46	23.64
90.0	34.65	32.01	29.44	27.74	26.28	24.87	23.99	23.35	22.77
135.0	37.22	33.59	31.19	29.14	27.04	25.57	24.46	23.58	22.82
180.0	35.76	32.36	30.14	27.80	26.22	24.93	23.88	22.82	22.24
225.0	33.94	31.54	29.44	27.33	25.93	24.81	23.70	23.12	22.65
270.0	38.68	35.23	32.54	29.73	27.86	26.10	24.87	23.94	23.29
315.0	35.11	32.30	30.02	27.68	26.16	24.93	23.94	23.06	22.59
360.0	36.69	32.83	30.43	27.97	26.39	25.11	23.82	23.12	22.59
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	22.24	21.89	21.71	21.65	21.59	21.77	21.89	21.95	21.59
45.0	23.17	22.77	22.47	22.30	22.18	22.18	22.36	22.47	22.47
90.0	22.36	22.18	22.00	21.95	22.00	22.12	22.30	22.12	21.65
135.0	22.41	22.00	21.83	21.65	21.54	21.71	21.89	22.00	21.77
180.0	21.83	21.48	21.30	21.24	21.19	21.42	21.54	21.71	21.54
225.0	22.24	22.06	21.95	21.89	22.00	22.12	22.30	22.06	21.59
270.0	22.71	22.30	22.06	21.95	21.83	21.89	22.00	22.12	22.00
315.0	22.18	21.89	21.77	21.71	21.65	21.83	21.95	21.83	21.36
360.0	22.24	21.89	21.71	21.65	21.59	21.77	21.89	21.95	21.59
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.01	20.31	19.08	18.32	17.50	16.44	15.86	15.51	15.33
45.0	21.95	21.36	20.66	19.43	18.61	17.79	16.91	16.56	16.68
90.0	21.07	20.07	19.14	18.49	18.55	18.49	19.25	20.54	21.30
135.0	21.19	20.54	19.66	18.49	17.62	16.74	16.04	15.39	14.98
180.0	20.89	20.25	19.31	18.08	17.26	16.15	15.51	15.16	14.69
225.0	21.01	20.07	18.90	18.02	16.91	16.21	15.68	15.22	14.98
270.0	21.54	20.78	19.84	18.84	17.91	16.97	16.21	15.74	16.33
315.0	20.78	19.72	18.73	17.91	16.97	16.04	15.45	15.04	14.63
360.0	21.01	20.31	19.08	18.32	17.50	16.44	15.86	15.51	15.33
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.51	15.98	16.21	16.21	16.27	15.92	15.45	14.51	13.64
45.0	17.32	18.20	18.73	18.84	18.90	18.43	18.08	16.80	15.51
90.0	20.83	20.31	20.01	18.90	18.79	18.08	17.26	16.50	13.64
135.0	14.63	14.34	14.10	13.93	13.64	13.46	13.11	12.82	12.47
180.0	14.40	14.22	14.10	14.05	13.87	13.69	13.46	13.11	12.64
225.0	14.86	14.86	14.86	14.75	14.40	14.05	13.69	13.40	13.11
270.0	16.27	15.68	15.39	14.75	14.22	13.75	13.28	12.87	12.58
315.0	14.34	14.10	13.81	13.58	13.28	12.93	12.70	12.41	12.11
360.0	15.51	15.98	16.21	16.21	16.27	15.92	15.45	14.51	13.64
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.58	11.82	11.53	11.24	11.06	10.83	10.59	10.42	10.36
45.0	14.86	12.87	12.11	11.65	11.35	11.12	10.83	10.59	10.36
90.0	12.17	11.70	11.41	11.24	11.06	10.65	10.48	10.42	10.24
135.0	12.17	11.88	11.65	11.41	11.12	10.71	10.48	10.36	10.24
180.0	12.23	11.65	11.35	11.18	10.89	10.65	10.48	10.36	10.18
225.0	11.88	11.47	11.24	11.06	10.71	10.59	10.42	10.42	10.24
270.0	12.17	11.82	11.47	11.24	11.06	10.77	10.59	10.42	10.42
315.0	11.82	11.53	11.35	11.06	10.89	10.65	10.48	10.24	10.12
360.0	12.58	11.82	11.53	11.24	11.06	10.83	10.59	10.42	10.36

Intensity data(cd)

C/γ(°)	90.0
0.0	10.24
45.0	10.24
90.0	10.30
135.0	10.18
180.0	10.24
225.0	10.24
270.0	10.24
315.0	10.18
360.0	10.24