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Nata

Client:

LumCAT: 2-2755-L

Luminaire: 92.70.411.00

Report No: 2024831-B006

Ballast type: AC

Test No: 2024831-C006

Voltage(V): 36.370

LampCAT: LUMILEDS LUXEON CoB 1205 Current(A): 0.603

Lamp flux(lm): 2551.0 Power (W): 21.930

Number of Lamps: 1 PF: 0.000

Length(mm): 0 Width(mm): 0

Phm Type: C Height(mm): 0

Photometric Results

Lumens(lm): 2393.76, Efficiency(%): 93.84% , Luminous Efficacy(lm/W): 109.15

Central intensity(cd): 9880.463, Maximum intensity(cd): 9880.463

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=22.8

[C90/270]Total=22.8

Field angle(10%Imax): [C0/180]Total=52.2

[C90/270]Total=52.2

Maximum s/h(1/2): C0_180=0.39 C90_270=0.39

Maximum s/h(1/4): C0_180=0.40 C90_270=0.40

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.84%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.214%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/31
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9880.462	0.000	0	0.00%	0.00%
1.0	9829.404	9.431	9.431	0.37%	0.39%
2.0	9666.651	27.983	37.413	1.10%	1.56%
3.0	9432.919	45.680	83.093	1.79%	3.47%
4.0	9066.309	61.923	145.016	2.43%	6.06%
5.0	8642.372	76.182	221.198	2.99%	9.24%
6.0	8137.306	88.182	309.38	3.46%	12.92%
7.0	7581.957	97.569	406.949	3.82%	17.00%
8.0	6992.416	104.306	511.255	4.09%	21.36%
9.0	6383.499	108.405	619.659	4.25%	25.89%
10.0	5778.353	110.060	729.72	4.31%	30.48%
11.0	5173.963	109.436	839.156	4.29%	35.06%
12.0	4593.404	106.771	945.927	4.19%	39.52%
13.0	4049.960	102.575	1048.502	4.02%	43.80%
14.0	3550.400	97.284	1145.786	3.81%	47.87%
15.0	3123.540	91.623	1237.409	3.59%	51.69%
16.0	2707.337	85.439	1322.847	3.35%	55.26%
17.0	2366.765	79.017	1401.865	3.10%	58.56%
18.0	2088.814	73.463	1475.328	2.88%	61.63%
19.0	1868.603	68.851	1544.179	2.70%	64.51%
20.0	1656.737	64.524	1608.702	2.53%	67.20%
21.0	1495.232	60.524	1669.226	2.37%	69.73%
22.0	1349.864	57.173	1726.4	2.24%	72.12%
23.0	1227.210	54.074	1780.474	2.12%	74.38%
24.0	1129.824	51.533	1832.007	2.02%	76.53%
25.0	1063.773	49.878	1881.884	1.96%	78.62%
26.0	994.233	48.579	1930.464	1.90%	80.65%
27.0	926.473	46.990	1977.454	1.84%	82.61%
28.0	862.209	45.286	2022.74	1.78%	84.50%
29.0	796.591	43.399	2066.139	1.70%	86.31%
30.0	722.051	41.003	2107.142	1.61%	88.03%
31.0	643.188	37.993	2145.135	1.49%	89.61%
32.0	562.228	34.534	2179.668	1.35%	91.06%
33.0	471.197	30.445	2210.113	1.19%	92.33%
34.0	387.852	25.997	2236.111	1.02%	93.41%
35.0	317.569	21.908	2258.019	0.86%	94.33%
36.0	251.433	18.117	2276.136	0.71%	95.09%
37.0	196.603	14.612	2290.748	0.57%	95.70%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	154.534	11.720	2302.469	0.46%	96.19%
39.0	115.513	9.217	2311.686	0.36%	96.57%
40.0	78.174	6.755	2318.441	0.26%	96.85%
41.0	65.296	5.109	2323.55	0.20%	97.07%
42.0	57.792	4.472	2328.022	0.18%	97.25%
43.0	52.687	4.092	2332.115	0.16%	97.42%
44.0	48.528	3.820	2335.935	0.15%	97.58%
45.0	44.691	3.583	2339.517	0.14%	97.73%
46.0	41.071	3.354	2342.871	0.13%	97.87%
47.0	37.806	3.137	2346.008	0.12%	98.01%
48.0	34.954	2.941	2348.95	0.12%	98.13%
49.0	32.516	2.771	2351.72	0.11%	98.24%
50.0	30.335	2.620	2354.341	0.10%	98.35%
51.0	28.390	2.485	2356.825	0.10%	98.46%
52.0	26.800	2.368	2359.194	0.09%	98.56%
53.0	25.460	2.273	2361.467	0.09%	98.65%
54.0	23.988	2.179	2363.647	0.09%	98.74%
55.0	22.766	2.087	2365.734	0.08%	98.83%
56.0	21.682	2.008	2367.742	0.08%	98.91%
57.0	20.585	1.933	2369.675	0.08%	98.99%
58.0	19.448	1.851	2371.526	0.07%	99.07%
59.0	18.193	1.760	2373.286	0.07%	99.14%
60.0	17.149	1.670	2374.955	0.07%	99.21%
61.0	16.091	1.586	2376.542	0.06%	99.28%
62.0	14.737	1.485	2378.027	0.06%	99.34%
63.0	13.765	1.386	2379.413	0.05%	99.40%
64.0	12.668	1.297	2380.71	0.05%	99.45%
65.0	11.636	1.203	2381.913	0.05%	99.51%
66.0	10.637	1.111	2383.024	0.04%	99.55%
67.0	9.626	1.019	2384.043	0.04%	99.59%
68.0	8.844	0.936	2384.979	0.04%	99.63%
69.0	8.114	0.865	2385.844	0.03%	99.67%
70.0	7.392	0.796	2386.64	0.03%	99.70%
71.0	6.702	0.728	2387.369	0.03%	99.73%
72.0	6.110	0.666	2388.035	0.03%	99.76%
73.0	5.585	0.612	2388.646	0.02%	99.79%
74.0	5.112	0.562	2389.209	0.02%	99.81%
75.0	4.645	0.516	2389.724	0.02%	99.83%

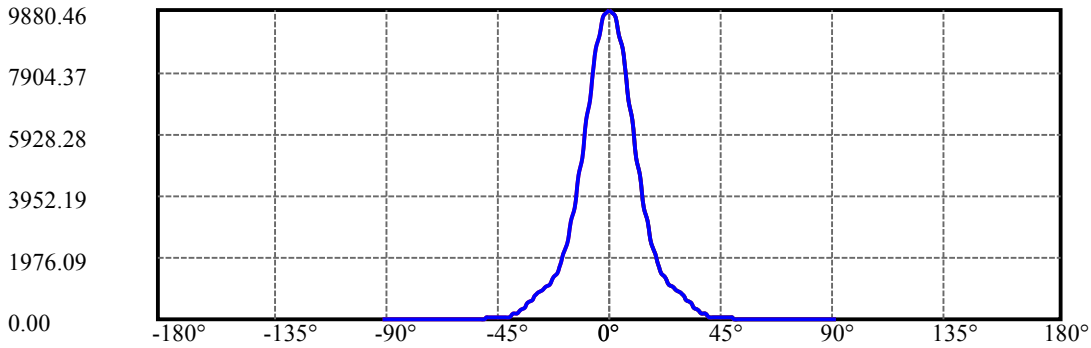
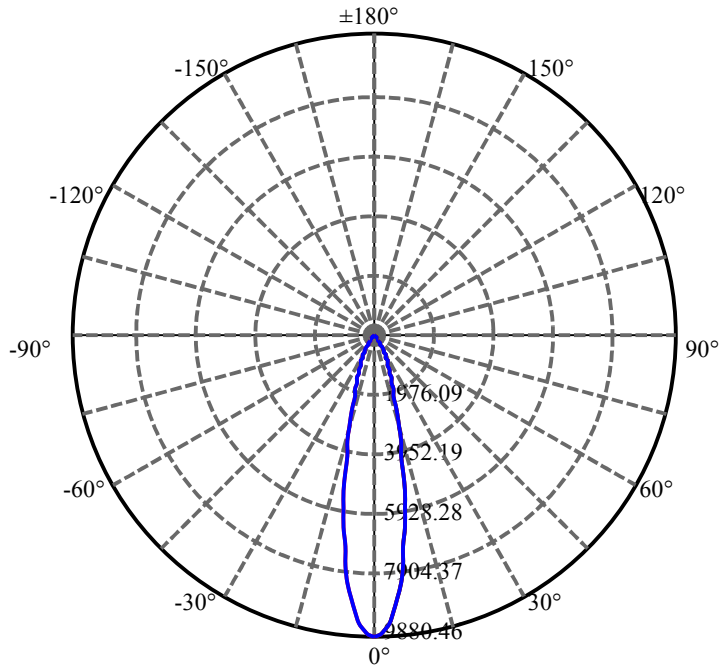
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.258	0.473	2390.197	0.02%	99.85%
77.0	3.909	0.435	2390.632	0.02%	99.87%
78.0	3.568	0.400	2391.033	0.02%	99.89%
79.0	3.279	0.368	2391.4	0.01%	99.90%
80.0	2.989	0.338	2391.738	0.01%	99.92%
81.0	2.707	0.308	2392.046	0.01%	99.93%
82.0	2.464	0.280	2392.327	0.01%	99.94%
83.0	2.234	0.255	2392.582	0.01%	99.95%
84.0	1.984	0.230	2392.812	0.01%	99.96%
85.0	1.787	0.206	2393.018	0.01%	99.97%
86.0	1.597	0.185	2393.203	0.01%	99.98%
87.0	1.426	0.165	2393.368	0.01%	99.98%
88.0	1.229	0.145	2393.514	0.01%	99.99%
89.0	1.130	0.129	2393.643	0.01%	100.00%
90.0	1.018	0.118	2393.761	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2107.14	82.60%	88.03%
0-40	2318.44	90.88%	96.85%
0-60	2374.96	93.10%	99.21%
0-90	2393.64	93.83%	100.00%
0-120	2393.64	93.83%	100.00%
0-180	2393.76	93.84%	100.00%
60-90	18.69	0.73%	0.78%
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%
0-25.68	1915.01	75.07%	80.00%

ZONAL LUMEN SUMMARY

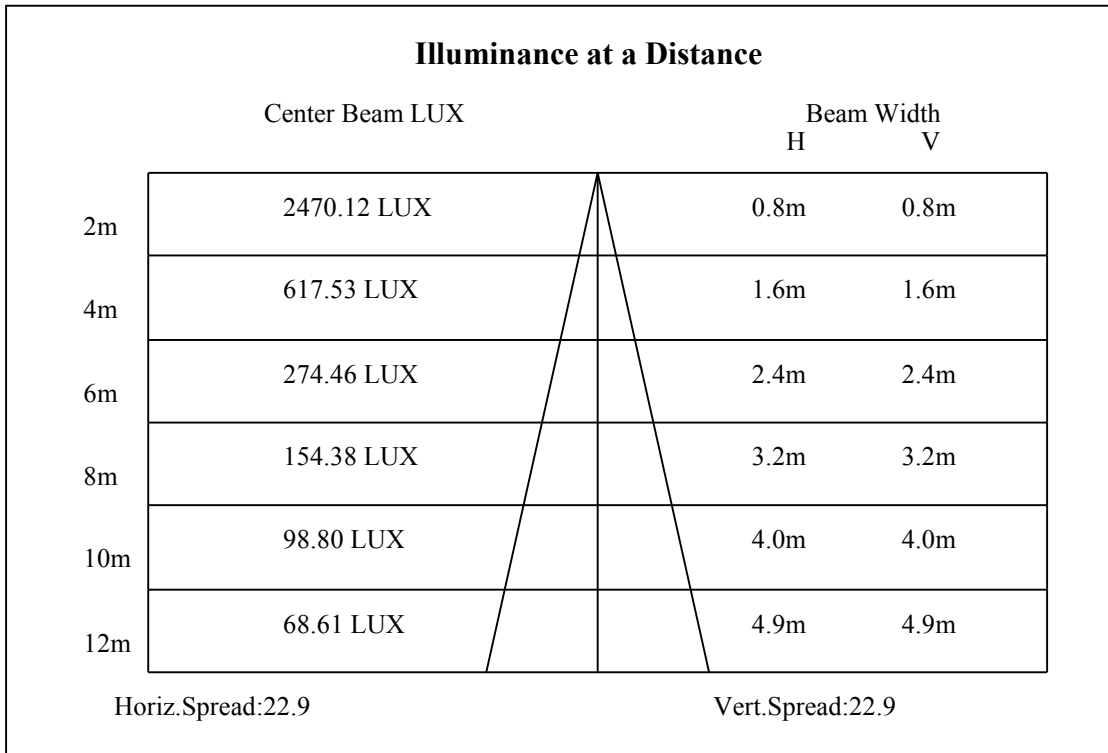
0-10	729.72
10-20	878.98
20-30	498.44
30-40	211.30
40-50	35.90
50-60	20.61
60-70	11.68
70-80	5.10
80-90	1.90
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

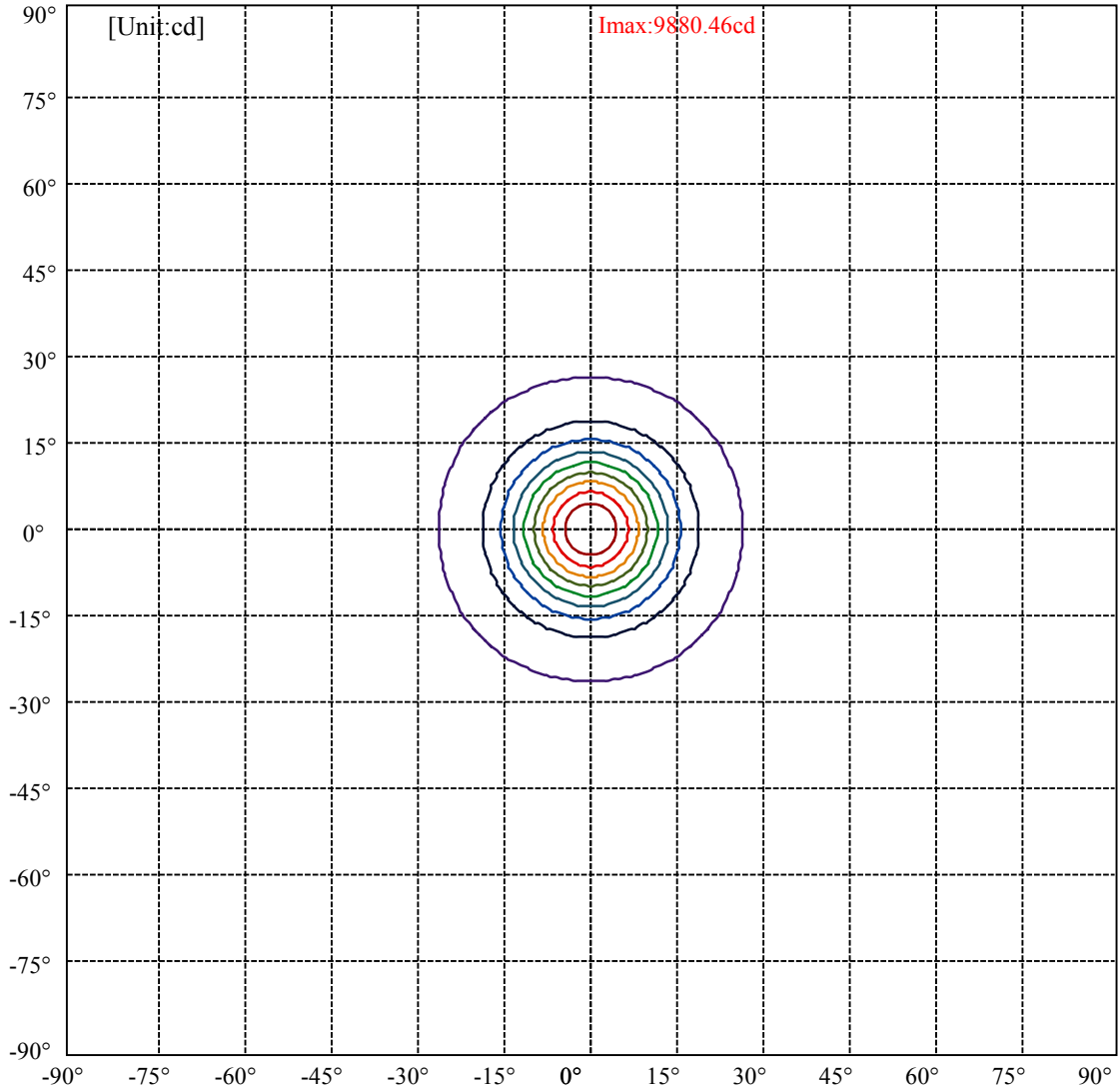


C0(Max): ———
C0/C180: ———
C90/C270: ———

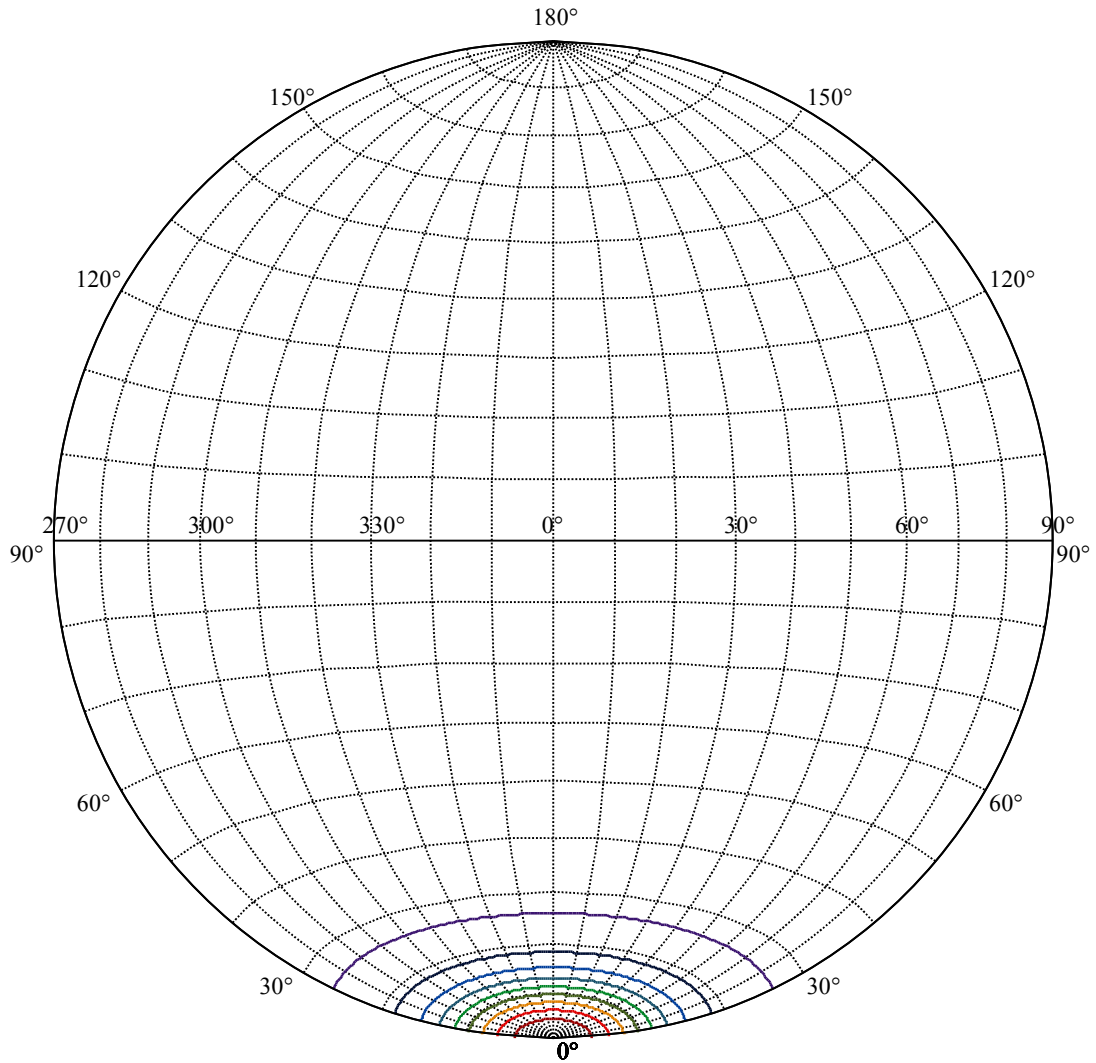
Field angle(10%Imax):C0/180Left:26.1 Right:26.1
:C90/270Left:26.1 Right:26.1

Beam Angle(50%Imax):C0/180Left:11.4 Right:11.4
:C90/270Left:11.4 Right:11.4





(10%Imax) 988.046	—
(20%Imax) 1976.09	—
(30%Imax) 2964.14	—
(40%Imax) 3952.19	—
(50%Imax) 4940.23	—
(60%Imax) 5928.28	—
(70%Imax) 6916.32	—
(80%Imax) 7904.37	—
(90%Imax) 8892.42	—



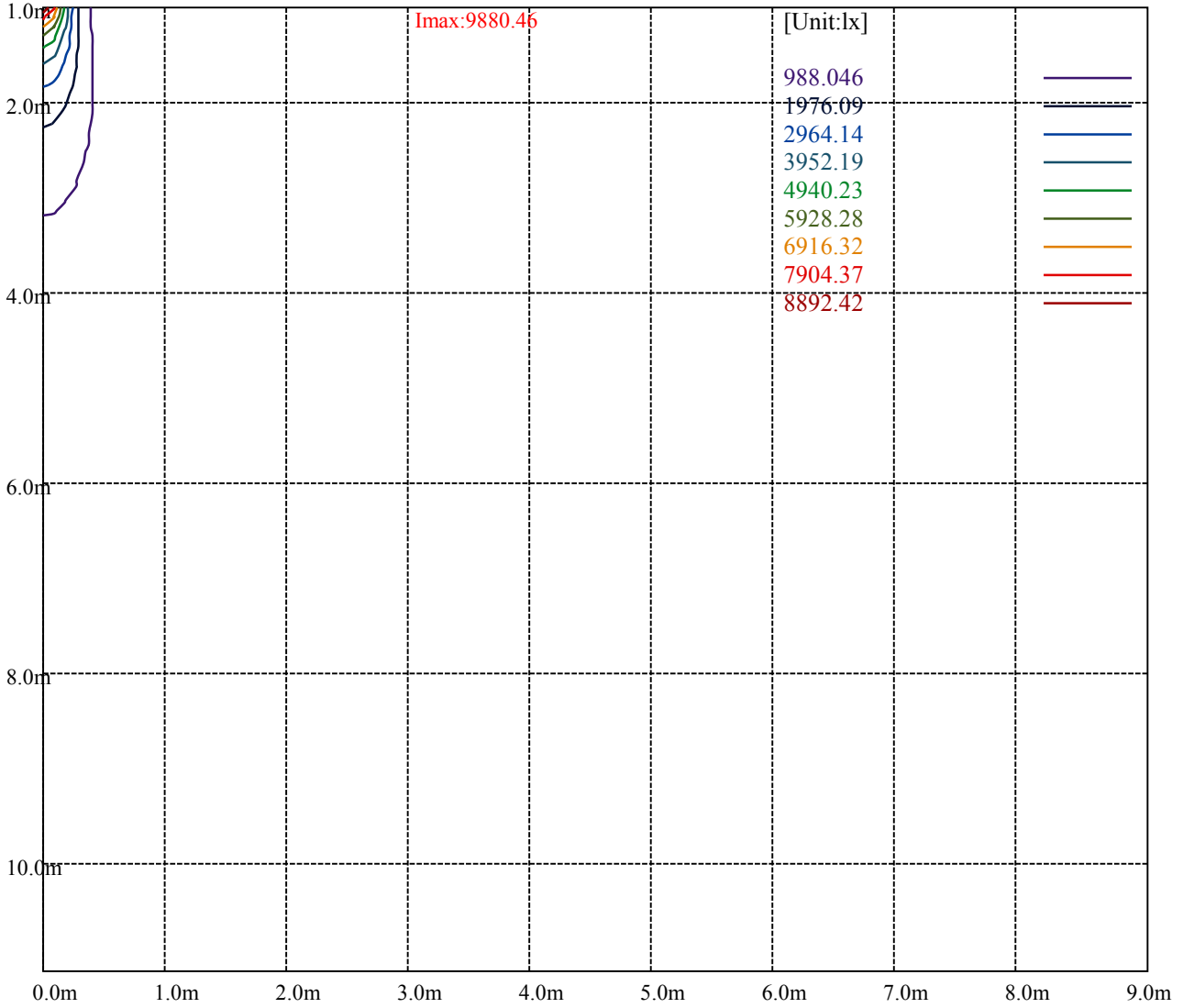
House

[Unit:cd]

Road

Imax:9880.46

(10%Imax) 988.046	—
(20%Imax) 1976.09	—
(30%Imax) 2964.14	—
(40%Imax) 3952.19	—
(50%Imax) 4940.23	—
(60%Imax) 5928.28	—
(70%Imax) 6916.32	—
(80%Imax) 7904.37	—
(90%Imax) 8892.42	—



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

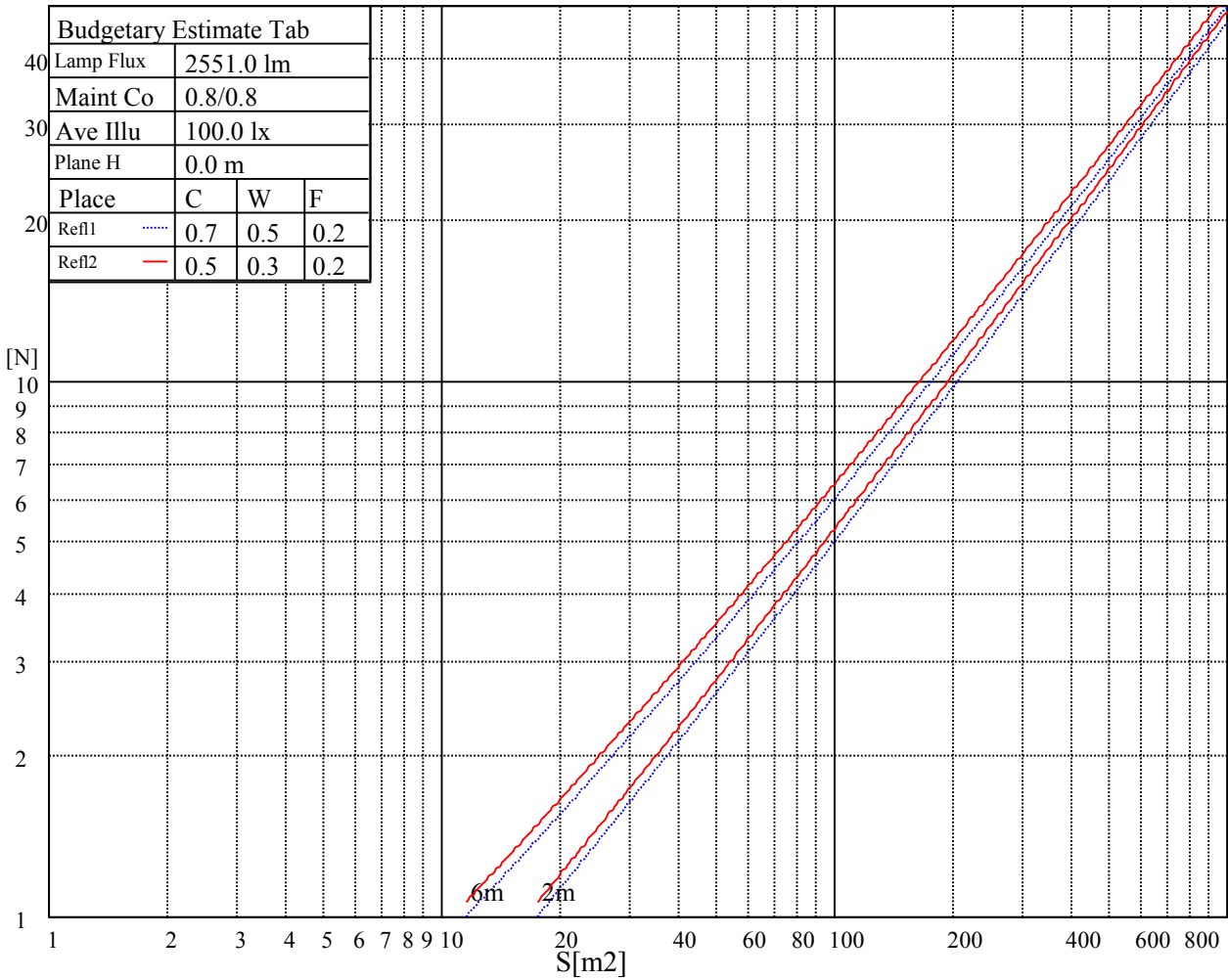
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

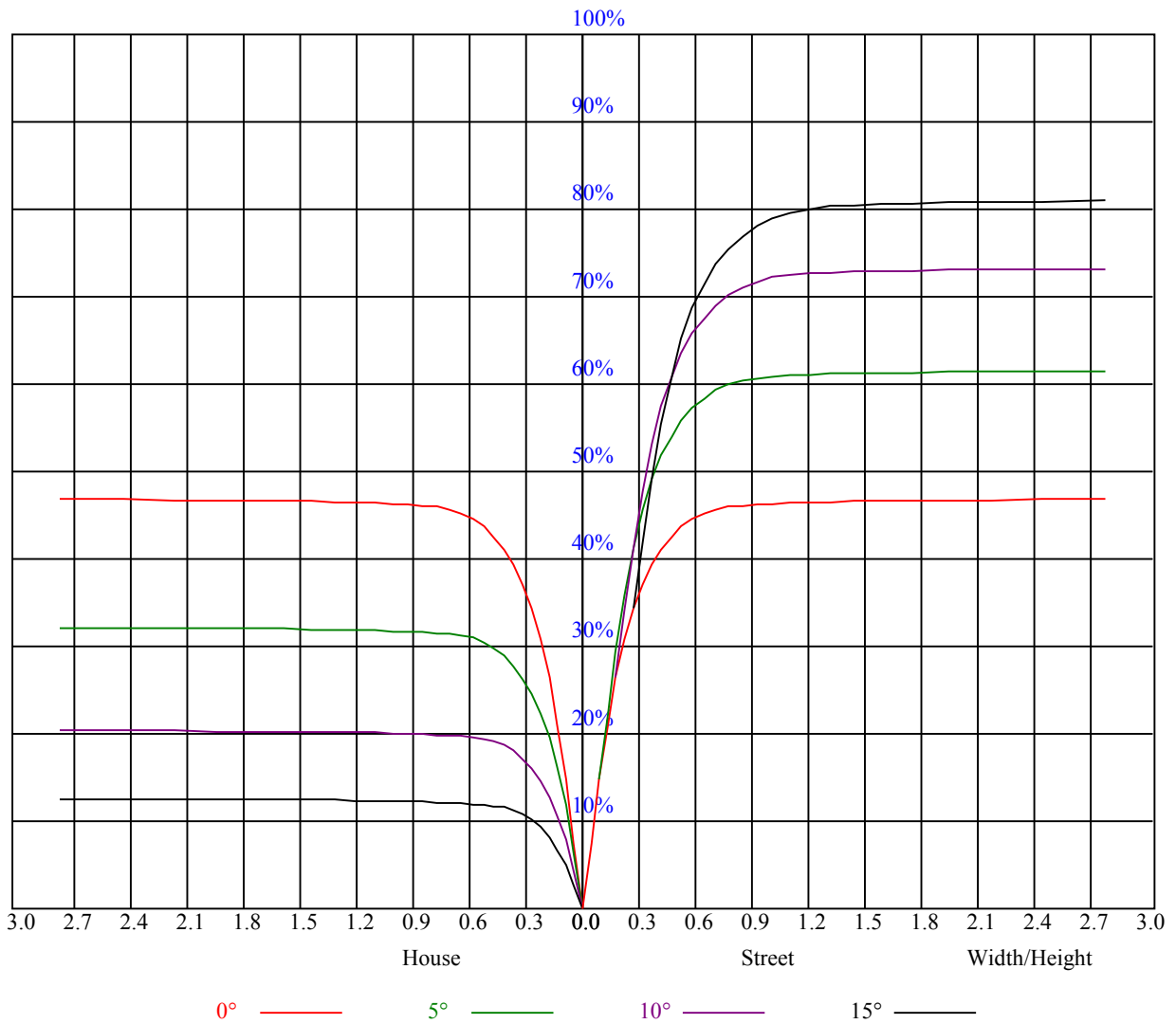


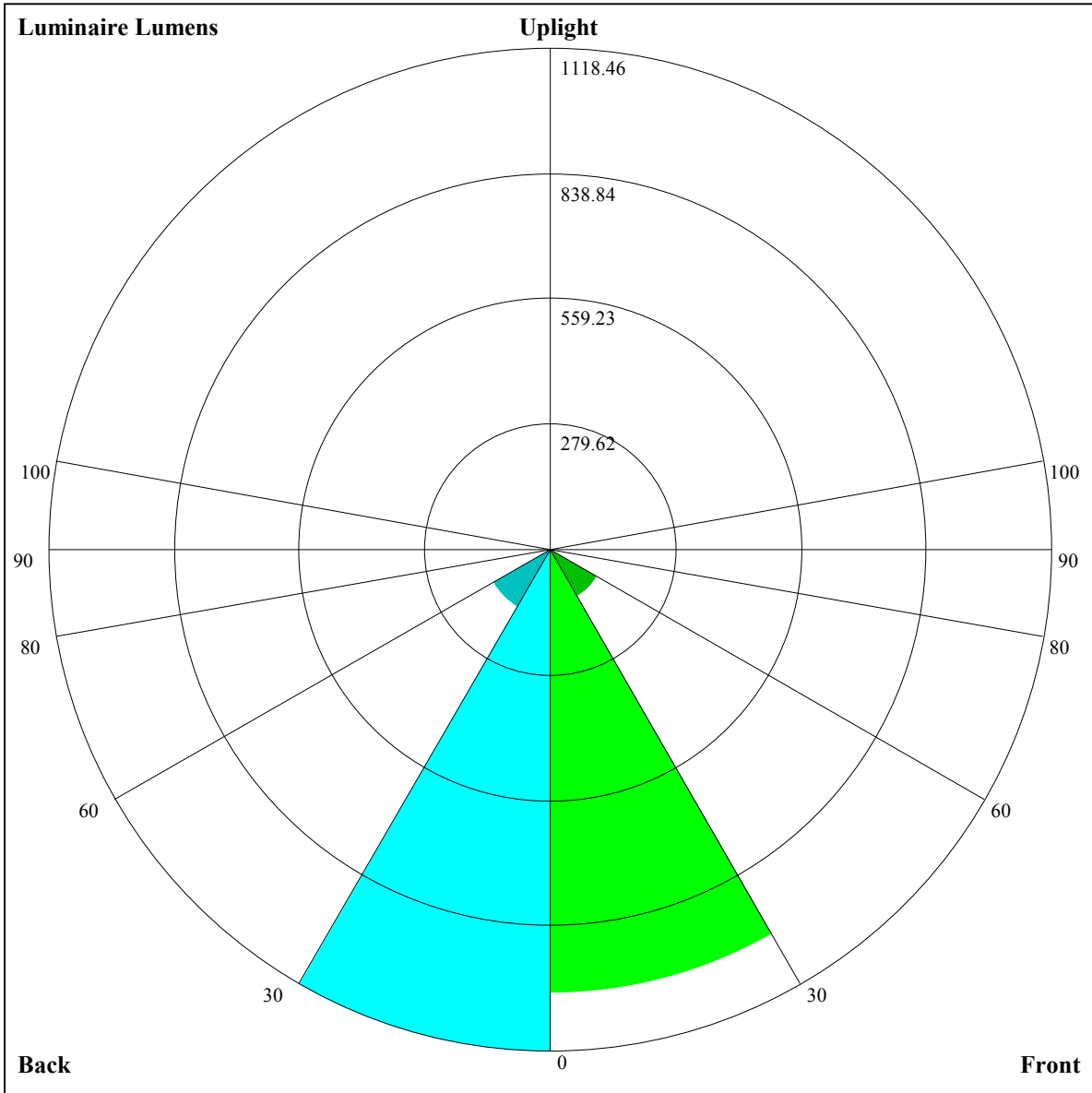
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOFC=20 CU															
0	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.03	1.02	1.03	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90
2	1.00	0.97	0.94	0.98	0.95	0.93	0.95	0.93	0.91	0.92	0.91	0.89	0.90	0.88	0.87	0.86
3	0.95	0.91	0.88	0.94	0.90	0.87	0.91	0.88	0.86	0.89	0.87	0.85	0.87	0.85	0.83	0.82
4	0.90	0.86	0.83	0.89	0.86	0.83	0.87	0.84	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.79
5	0.86	0.82	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.77	0.76
6	0.83	0.79	0.75	0.82	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.73
7	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
8	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.68
9	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.72	0.69	0.66	0.65
10	0.72	0.68	0.65	0.71	0.67	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.63





Luminaire Lumens:

FL=988.69,FM=121.68,FH=7.85,FVH=0.95

BL=1118.46,BM=147.94,BH=8.87,BVH=1.09

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	9786.30	9418.57	9024.09	8746.61	8225.14	7658.51	7070.13	6452.78	5819.88
45.0	9956.81	9863.20	9607.43	9247.53	8783.98	8253.52	7682.43	7066.77	6455.04
90.0	9806.90	9623.04	9218.57	8850.26	8327.63	7740.41	7147.03	6534.15	5913.44
135.0	9971.84	9951.76	9878.81	9560.65	9190.71	8932.16	8441.85	7895.31	7304.72
180.0	9786.30	9888.79	9975.21	9926.69	9752.29	9495.99	9104.88	8660.25	8110.92
225.0	9956.81	10032.03	9936.15	9810.27	9532.79	9139.46	8682.59	8147.13	7563.22
270.0	9806.90	9972.37	10003.59	9919.49	9720.54	9414.68	8999.02	8528.79	8000.07
315.0	9971.84	9885.48	9689.37	9401.85	8997.39	8504.24	7970.52	7370.47	6772.05
360.0	9786.30	9418.57	9024.09	8746.61	8225.14	7658.51	7070.13	6452.78	5819.88

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5206.42	4619.19	4058.67	3547.18	3093.67	2691.41	2340.40	2053.98	1808.83
45.0	5814.31	5192.49	4592.96	4038.06	3522.11	3053.57	2662.40	2318.64	2038.37
90.0	5287.21	4674.91	4115.49	3602.37	3137.67	2729.83	2381.03	2090.78	1853.41
135.0	6682.32	6057.78	5426.50	4826.45	4260.93	3739.98	3269.70	2841.27	2483.90
180.0	7550.97	6978.20	6353.60	5730.15	5129.00	4556.22	4010.20	3512.65	3059.14
225.0	6950.92	6339.67	5711.76	5083.27	4494.36	3942.77	3440.79	2999.48	2606.68
270.0	7428.40	6835.02	6207.11	5581.40	4961.27	4367.31	3823.55	3329.36	2901.98
315.0	6147.45	5529.58	4925.63	4338.35	3800.69	3322.11	3060.24	2512.54	2183.81
360.0	5206.42	4619.19	4058.67	3547.18	3093.67	2691.41	2340.40	2053.98	1808.83

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1609.94	1444.47	1314.06	1216.03	1089.25	1058.35	989.75	936.03	877.48
45.0	1801.58	1680.69	1512.43	1374.82	1259.50	1162.00	1081.74	1010.99	948.60
90.0	1656.72	1501.87	1363.68	1251.67	1079.63	1079.63	1041.84	975.67	916.90
135.0	2170.99	1912.49	1704.65	1535.30	1395.43	1298.50	1175.35	1089.57	1032.17
180.0	2661.29	2322.53	2098.56	1807.15	1653.41	1488.46	1325.21	1239.42	1135.24
225.0	2270.17	1984.34	1749.81	1558.11	1430.54	1281.79	1053.77	1053.77	1005.00
270.0	2515.90	2312.54	1916.38	1780.98	1579.87	1368.15	1290.15	1182.60	1083.42
315.0	2023.92	1789.91	1594.33	1437.79	1311.28	1080.79	1080.79	1022.13	955.06
360.0	1609.94	1444.47	1314.06	1216.03	1089.25	1058.35	989.75	936.03	877.48

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	820.45	742.55	656.61	570.67	483.68	394.80	308.38	232.22	166.68
45.0	890.09	833.27	759.69	674.48	588.12	506.18	416.51	329.57	301.18
90.0	855.40	779.55	695.98	609.25	521.10	432.33	350.17	268.07	194.90
135.0	966.99	911.28	858.35	783.13	702.34	613.19	524.57	434.90	345.76
180.0	1048.31	980.92	917.95	859.45	800.37	717.90	634.32	549.65	459.40
225.0	933.46	874.48	825.39	756.37	683.58	598.21	513.12	433.17	355.22
270.0	1008.78	944.71	895.09	842.16	773.61	690.04	603.68	516.79	430.43
315.0	888.31	830.91	763.68	680.89	592.69	545.18	418.82	338.45	286.99
360.0	820.45	742.55	656.61	570.67	483.68	394.80	308.38	232.22	166.68

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	117.69	87.78	73.90	69.75	61.34	58.45	53.40	46.78	44.42
45.0	216.24	137.29	85.57	75.27	68.07	61.50	56.08	51.46	47.10
90.0	133.14	92.35	70.54	63.71	57.03	50.46	46.57	42.10	38.21
135.0	295.61	295.61	147.70	79.47	65.86	58.03	51.35	49.20	45.26
180.0	374.72	295.61	295.61	280.00	122.05	84.21	67.65	61.50	56.77
225.0	310.38	213.19	153.27	123.57	77.63	70.43	64.02	58.45	54.24
270.0	350.17	300.03	300.03	148.28	102.08	75.06	64.70	58.55	53.46
315.0	213.51	150.96	109.65	84.05	71.33	64.23	58.55	53.46	48.78
360.0	117.69	87.78	73.90	69.75	61.34	58.45	53.40	46.78	44.42

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	41.16	37.95	35.11	32.64	30.64	28.91	27.33	25.86	24.39
45.0	42.84	39.42	36.43	33.48	31.12	29.44	27.75	25.97	24.81
90.0	35.32	32.48	29.80	27.81	26.18	24.60	23.39	22.29	21.29
135.0	41.31	37.95	35.37	32.90	30.17	28.23	26.81	25.34	23.81
180.0	52.62	48.67	44.68	41.00	38.32	35.69	32.90	30.85	29.22
225.0	50.46	46.15	42.00	39.05	36.48	33.59	31.17	29.65	28.28
270.0	49.41	45.36	41.68	38.37	35.53	32.80	30.17	28.33	26.65
315.0	44.42	40.58	37.37	34.38	31.70	29.44	27.60	26.12	25.23
360.0	41.16	37.95	35.11	32.64	30.64	28.91	27.33	25.86	24.39
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	22.71	21.34	20.08	18.76	17.14	15.87	15.24	13.67	12.25
45.0	23.23	22.39	21.03	20.08	19.19	17.19	16.40	15.35	14.19
90.0	20.39	19.24	18.29	17.56	16.29	14.98	13.93	13.30	11.77
135.0	22.71	21.87	20.55	19.24	18.29	17.50	16.14	14.88	14.19
180.0	27.81	26.39	25.39	24.18	23.13	21.50	20.39	19.61	18.19
225.0	26.54	25.07	23.97	22.92	21.71	20.66	19.92	18.92	16.87
270.0	25.28	23.86	22.86	21.87	20.76	19.92	18.87	17.98	16.29
315.0	23.23	21.97	21.29	20.08	19.08	17.92	16.29	15.03	14.14
360.0	22.71	21.34	20.08	18.76	17.14	15.87	15.24	13.67	12.25
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	11.46	10.41	9.88	9.04	7.99	7.36	6.78	6.15	5.52
45.0	13.04	11.72	10.83	9.88	8.94	8.09	7.52	6.89	6.25
90.0	11.09	10.14	9.20	8.62	7.88	7.15	6.62	6.10	5.62
135.0	13.46	12.46	11.09	10.35	9.62	8.83	7.83	7.25	6.73
180.0	16.82	15.77	14.56	13.25	11.67	10.83	10.09	9.15	8.09
225.0	15.82	14.77	13.51	11.98	10.99	10.14	9.25	8.20	7.36
270.0	15.35	14.24	13.35	12.19	10.72	10.04	9.36	8.52	7.62
315.0	13.09	11.83	10.67	9.78	9.20	8.30	7.46	6.89	6.41
360.0	11.46	10.41	9.88	9.04	7.99	7.36	6.78	6.15	5.52
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.05	4.68	4.31	3.94	3.63	3.31	3.05	2.73	2.42
45.0	5.62	5.15	4.73	4.26	3.94	3.57	3.21	3.00	2.73
90.0	5.10	4.68	4.31	3.99	3.63	3.26	3.00	2.73	2.42
135.0	6.20	5.57	5.10	4.73	4.36	3.94	3.63	3.36	3.10
180.0	7.41	6.78	6.20	5.52	4.99	4.63	4.21	3.89	3.57
225.0	6.78	6.10	5.52	4.99	4.52	4.15	3.89	3.57	3.21
270.0	6.99	6.52	5.94	5.20	4.84	4.52	4.10	3.78	3.47
315.0	5.73	5.20	4.78	4.52	4.15	3.89	3.47	3.15	3.00
360.0	5.05	4.68	4.31	3.94	3.63	3.31	3.05	2.73	2.42
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.21	2.05	1.79	1.58	1.47	1.26	1.16	0.89	0.84
45.0	2.42	2.10	1.94	1.68	1.42	1.21	1.05	0.89	0.84
90.0	2.16	2.00	1.73	1.52	1.42	1.21	1.16	0.89	0.89
135.0	2.79	2.47	2.26	2.05	1.79	1.68	1.47	1.31	1.42
180.0	3.26	3.00	2.79	2.47	2.21	2.00	1.79	1.58	1.42
225.0	2.89	2.73	2.42	2.16	1.94	1.73	1.58	1.37	1.16
270.0	3.26	2.94	2.68	2.42	2.16	2.00	1.79	1.58	1.31
315.0	2.68	2.42	2.26	2.00	1.89	1.68	1.42	1.31	1.16
360.0	2.21	2.05	1.79	1.58	1.47	1.26	1.16	0.89	0.84

Intensity data(cd)

C/ γ (°)	90.0
0.0	0.84
45.0	0.84
90.0	0.89
135.0	1.10
180.0	1.21
225.0	1.05
270.0	1.21
315.0	1.00
360.0	0.84