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NT

Client:

LumCAT: 2-2679-L

Luminaire: 92.70.411.00

Report No: 2024330-B005

Ballast type: AC

Test No: 2024330-C005

Voltage(V): 34.070

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.576

Lamp flux(lm): 2850.0

Power (W): 19.624

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2404.80, Efficiency(%): 84.38% , Luminous Efficacy(lm/W): 122.54

Central intensity(cd): 7679.381, Maximum intensity(cd): 7679.381

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=24.8

[C90/270]Total=24.8

Field angle(10%Imax): [C0/180]Total=61.4

[C90/270]Total=61.4

Maximum s/h(1/2): C0_180=0.41 C90_270=0.41

Maximum s/h(1/4): C0_180=0.48 C90_270=0.48

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.38%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.057%

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	7679.381	0.000	0	0.00%	0.00%
1.0	7621.005	7.321	7.321	0.26%	0.30%
2.0	7461.019	21.647	28.968	0.76%	1.20%
3.0	7217.858	35.107	64.075	1.23%	2.66%
4.0	6891.376	47.228	111.303	1.66%	4.63%
5.0	6554.286	57.843	169.146	2.03%	7.03%
6.0	6164.453	66.840	235.986	2.35%	9.81%
7.0	5794.152	74.227	310.213	2.60%	12.90%
8.0	5414.926	80.221	390.434	2.81%	16.24%
9.0	5031.969	84.666	475.101	2.97%	19.76%
10.0	4670.154	87.801	562.901	3.08%	23.41%
11.0	4310.021	89.730	652.632	3.15%	27.14%
12.0	3985.294	90.680	743.311	3.18%	30.91%
13.0	3649.083	90.601	833.912	3.18%	34.68%
14.0	3352.593	89.621	923.533	3.14%	38.40%
15.0	3079.805	88.307	1011.84	3.10%	42.08%
16.0	2829.109	86.582	1098.422	3.04%	45.68%
17.0	2589.167	84.377	1182.799	2.96%	49.18%
18.0	2390.922	82.111	1264.91	2.88%	52.60%
19.0	2215.647	80.145	1345.055	2.81%	55.93%
20.0	2043.664	77.957	1423.012	2.74%	59.17%
21.0	1896.188	75.653	1498.665	2.65%	62.32%
22.0	1753.173	73.335	1572.001	2.57%	65.37%
23.0	1627.716	70.940	1642.941	2.49%	68.32%
24.0	1488.900	68.140	1711.081	2.39%	71.15%
25.0	1392.558	65.518	1776.599	2.30%	73.88%
26.0	1234.642	62.015	1838.615	2.18%	76.46%
27.0	1163.215	58.664	1897.279	2.06%	78.90%
28.0	1063.866	56.385	1953.664	1.98%	81.24%
29.0	961.320	52.985	2006.648	1.86%	83.44%
30.0	845.650	48.788	2055.436	1.71%	85.47%
31.0	730.939	43.874	2099.31	1.54%	87.30%
32.0	632.211	39.053	2138.363	1.37%	88.92%
33.0	530.038	34.240	2172.603	1.20%	90.34%
34.0	438.524	29.312	2201.915	1.03%	91.56%
35.0	361.354	24.841	2226.756	0.87%	92.60%
36.0	296.343	20.941	2247.697	0.73%	93.47%
37.0	259.086	18.115	2265.812	0.64%	94.22%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	187.923	14.921	2280.733	0.52%	94.84%
39.0	138.991	11.158	2291.891	0.39%	95.30%
40.0	104.090	8.478	2300.369	0.30%	95.66%
41.0	81.997	6.626	2306.996	0.23%	95.93%
42.0	64.719	5.330	2312.326	0.19%	96.15%
43.0	53.387	4.375	2316.701	0.15%	96.34%
44.0	45.231	3.722	2320.423	0.13%	96.49%
45.0	39.627	3.261	2323.684	0.11%	96.63%
46.0	35.457	2.936	2326.621	0.10%	96.75%
47.0	32.290	2.694	2329.315	0.09%	96.86%
48.0	29.905	2.514	2331.829	0.09%	96.97%
49.0	28.054	2.380	2334.21	0.08%	97.06%
50.0	26.525	2.276	2336.485	0.08%	97.16%
51.0	25.231	2.190	2338.675	0.08%	97.25%
52.0	24.360	2.128	2340.803	0.07%	97.34%
53.0	23.767	2.094	2342.896	0.07%	97.43%
54.0	23.416	2.080	2344.976	0.07%	97.51%
55.0	23.285	2.085	2347.061	0.07%	97.60%
56.0	23.372	2.108	2349.169	0.07%	97.69%
57.0	23.607	2.148	2351.317	0.08%	97.78%
58.0	23.943	2.199	2353.516	0.08%	97.87%
59.0	24.294	2.255	2355.771	0.08%	97.96%
60.0	24.419	2.301	2358.072	0.08%	98.06%
61.0	24.206	2.320	2360.393	0.08%	98.15%
62.0	23.650	2.306	2362.699	0.08%	98.25%
63.0	22.582	2.249	2364.947	0.08%	98.34%
64.0	21.236	2.150	2367.098	0.08%	98.43%
65.0	19.861	2.034	2369.131	0.07%	98.52%
66.0	18.457	1.912	2371.043	0.07%	98.60%
67.0	17.264	1.796	2372.839	0.06%	98.67%
68.0	16.430	1.707	2374.546	0.06%	98.74%
69.0	15.860	1.647	2376.193	0.06%	98.81%
70.0	15.508	1.611	2377.804	0.06%	98.88%
71.0	15.406	1.598	2379.402	0.06%	98.94%
72.0	15.179	1.590	2380.993	0.06%	99.01%
73.0	14.909	1.573	2382.566	0.06%	99.08%
74.0	14.653	1.554	2384.12	0.05%	99.14%
75.0	14.345	1.532	2385.652	0.05%	99.20%

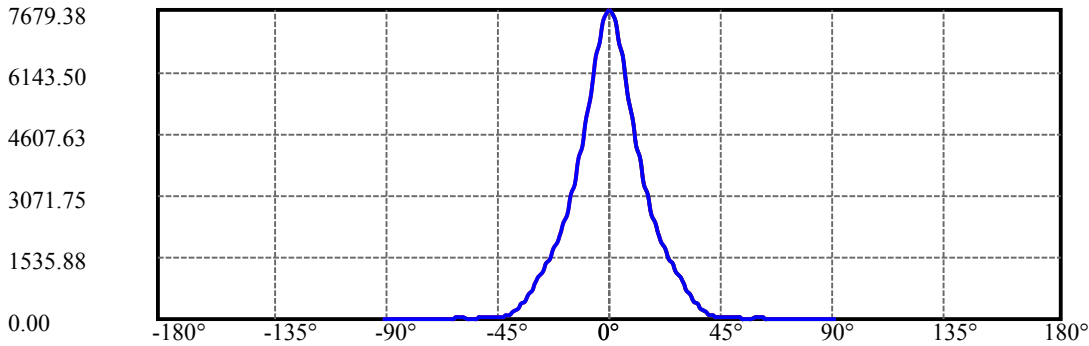
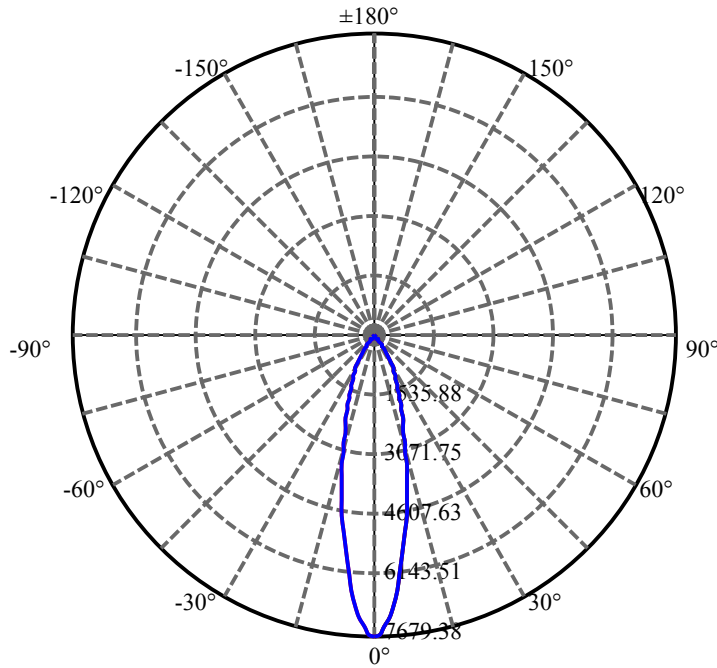
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.994	1.504	2387.157	0.05%	99.27%
77.0	13.570	1.470	2388.626	0.05%	99.33%
78.0	13.058	1.425	2390.052	0.05%	99.39%
79.0	12.677	1.383	2391.434	0.05%	99.44%
80.0	12.275	1.345	2392.78	0.05%	99.50%
81.0	11.968	1.311	2394.091	0.05%	99.55%
82.0	11.690	1.283	2395.374	0.05%	99.61%
83.0	11.456	1.258	2396.632	0.04%	99.66%
84.0	11.214	1.235	2397.867	0.04%	99.71%
85.0	10.995	1.212	2399.079	0.04%	99.76%
86.0	10.717	1.187	2400.266	0.04%	99.81%
87.0	10.497	1.161	2401.427	0.04%	99.86%
88.0	10.322	1.140	2402.567	0.04%	99.91%
89.0	10.168	1.123	2403.69	0.04%	99.95%
90.0	10.095	1.111	2404.801	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2055.44	72.12%	85.47%
0-40	2300.37	80.71%	95.66%
0-60	2358.07	82.74%	98.06%
0-90	2403.69	84.34%	99.95%
0-120	2403.69	84.34%	99.95%
0-180	2404.80	84.38%	100.00%
60-90	45.62	1.60%	1.90%
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%
0-27.47	1923.84	67.50%	80.00%

ZONAL LUMEN SUMMARY

0-10	562.90
10-20	860.11
20-30	632.42
30-40	244.93
40-50	36.12
50-60	21.59
60-70	19.73
70-80	14.98
80-90	10.91
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: —————

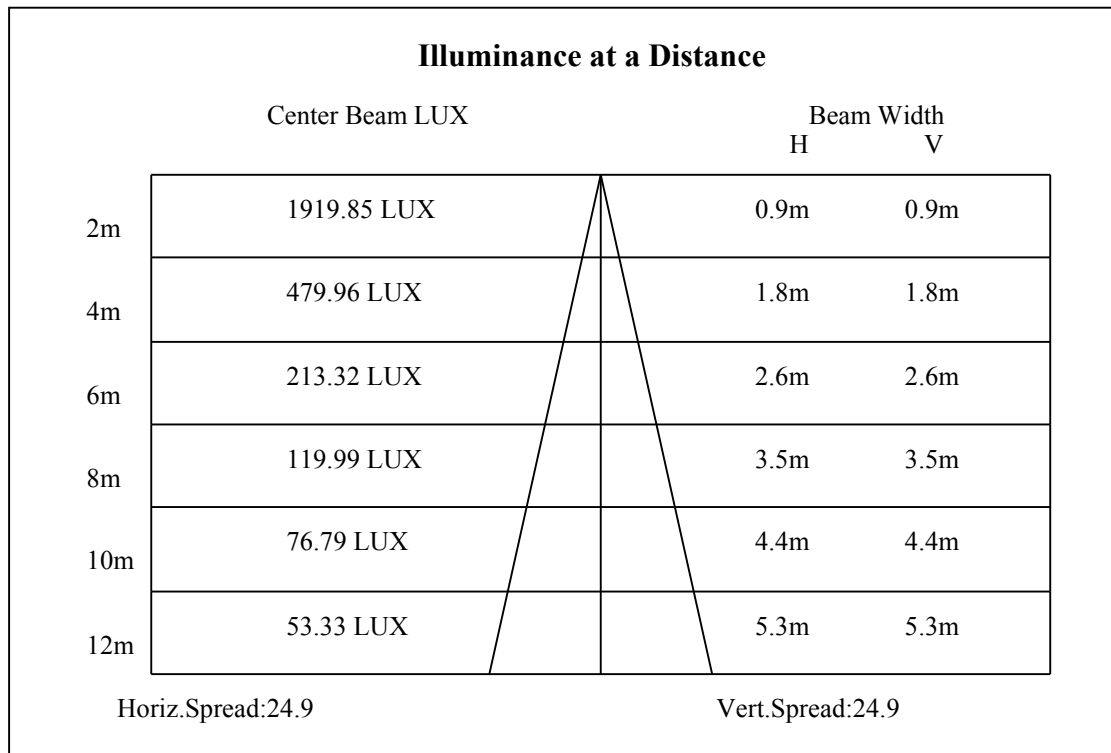
C90/C270: —————

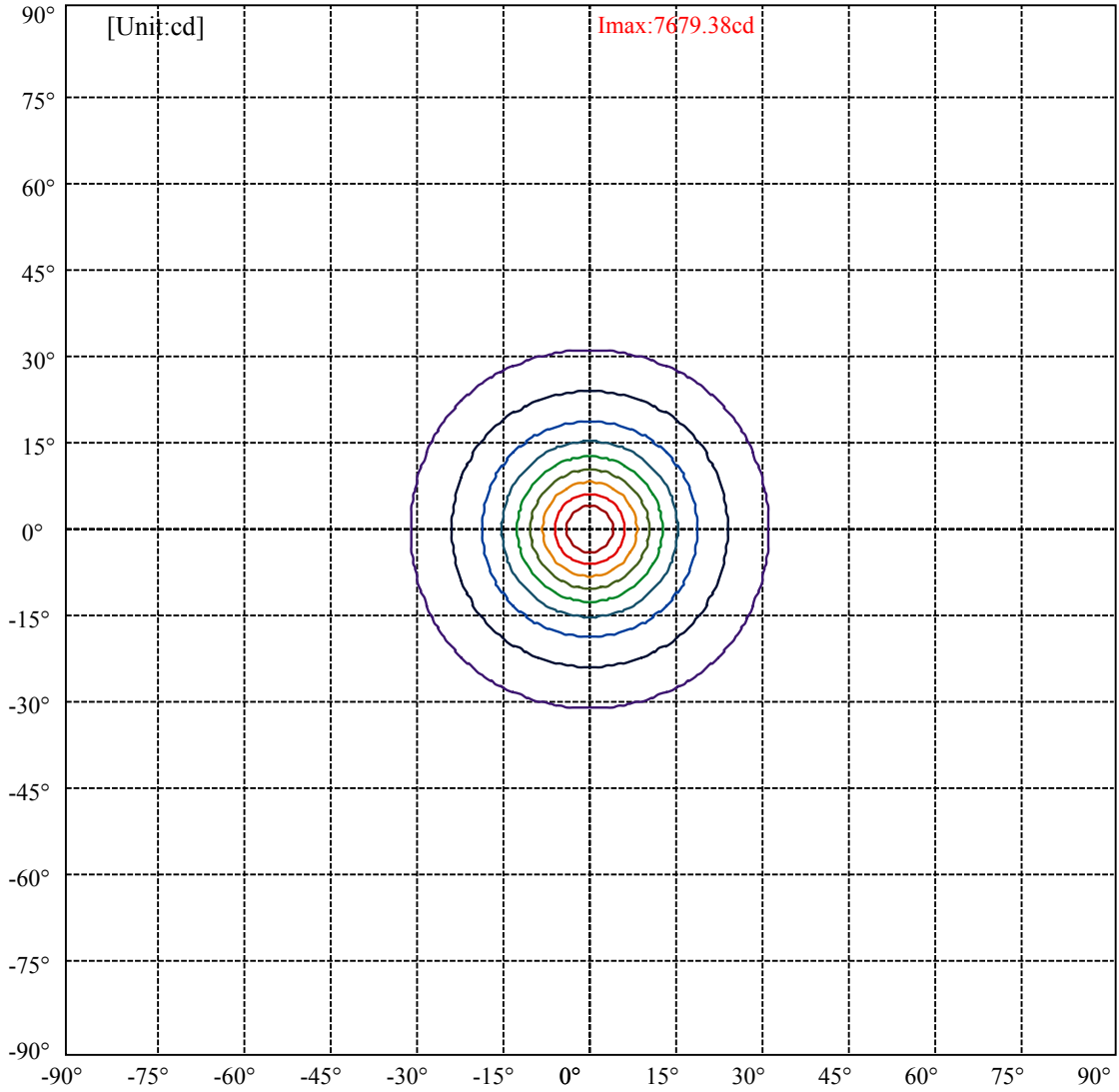
Field angle(10%Imax):C0/180Left:30.7 Right:30.7

:C90/270Left:30.7 Right:30.7

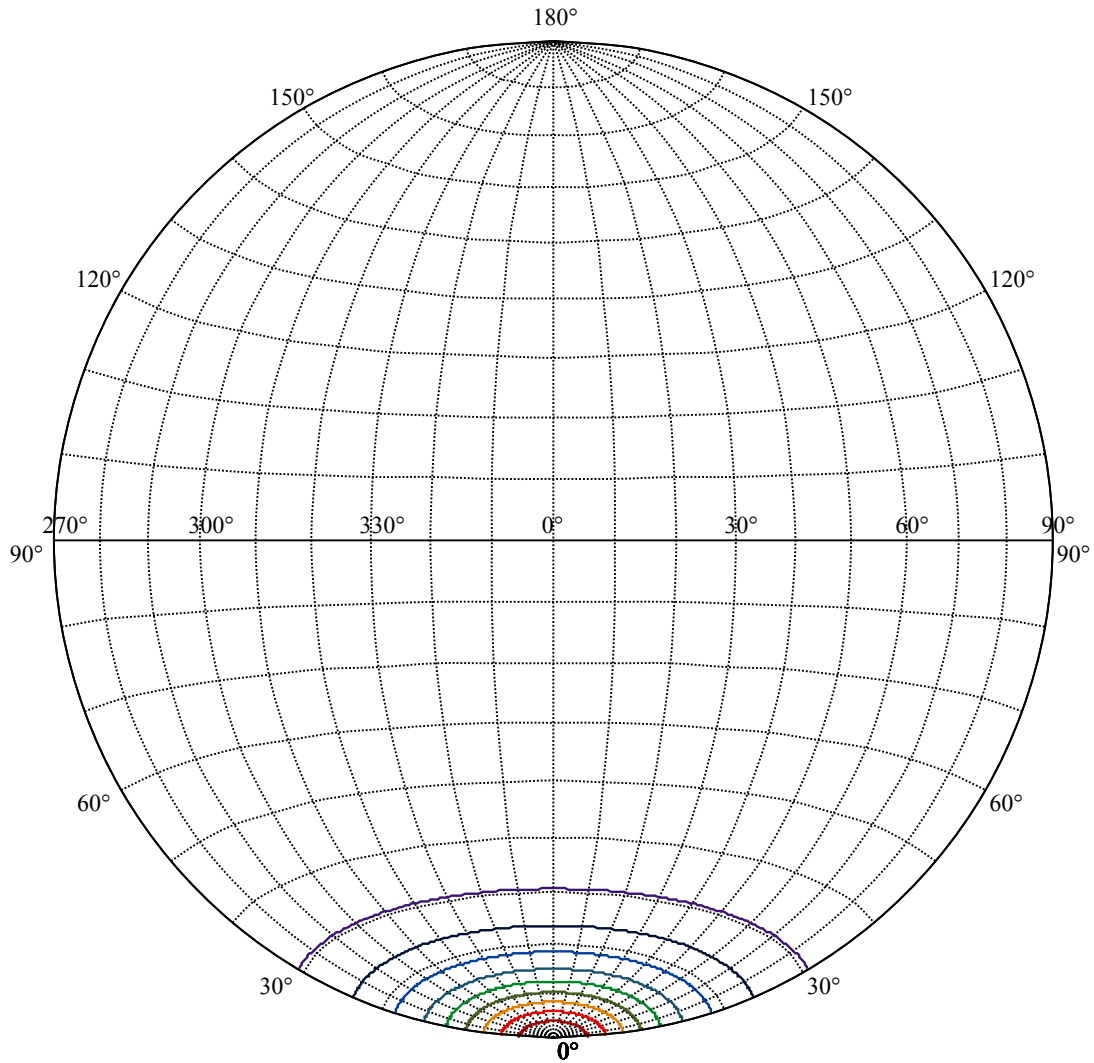
Beam Angle(50%Imax):C0/180Left:12.4 Right:12.4

:C90/270Left:12.4 Right:12.4





(10%Imax) 767.938	—
(20%Imax) 1535.88	—
(30%Imax) 2303.81	—
(40%Imax) 3071.75	—
(50%Imax) 3839.69	—
(60%Imax) 4607.63	—
(70%Imax) 5375.57	—
(80%Imax) 6143.5	—
(90%Imax) 6911.44	—



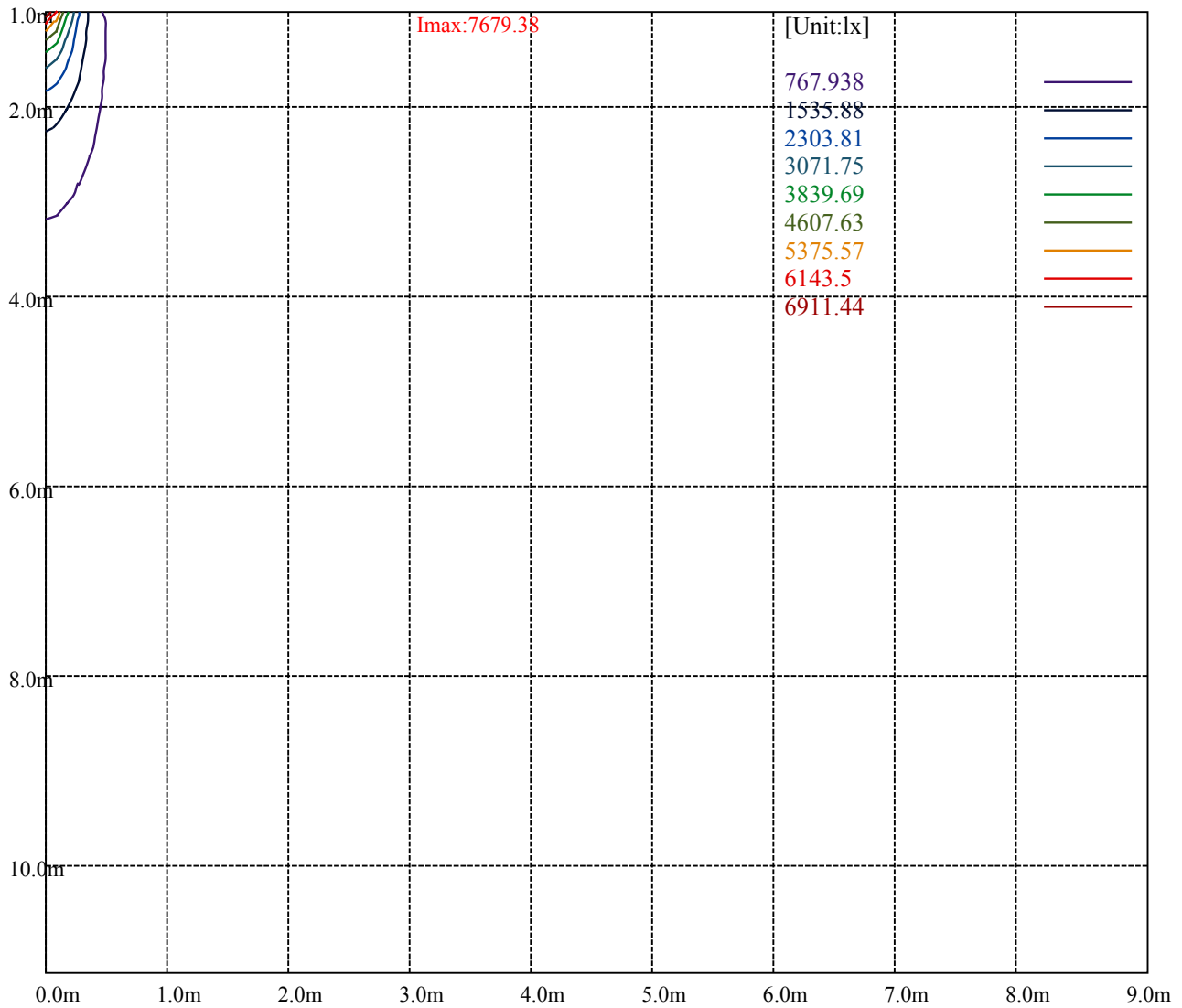
House

[Unit:cd]

Road

Imax:7679.38

(10%Imax)	767.938	—
(20%Imax)	1535.88	—
(30%Imax)	2303.81	—
(40%Imax)	3071.75	—
(50%Imax)	3839.69	—
(60%Imax)	4607.63	—
(70%Imax)	5375.57	—
(80%Imax)	6143.5	—
(90%Imax)	6911.44	—



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

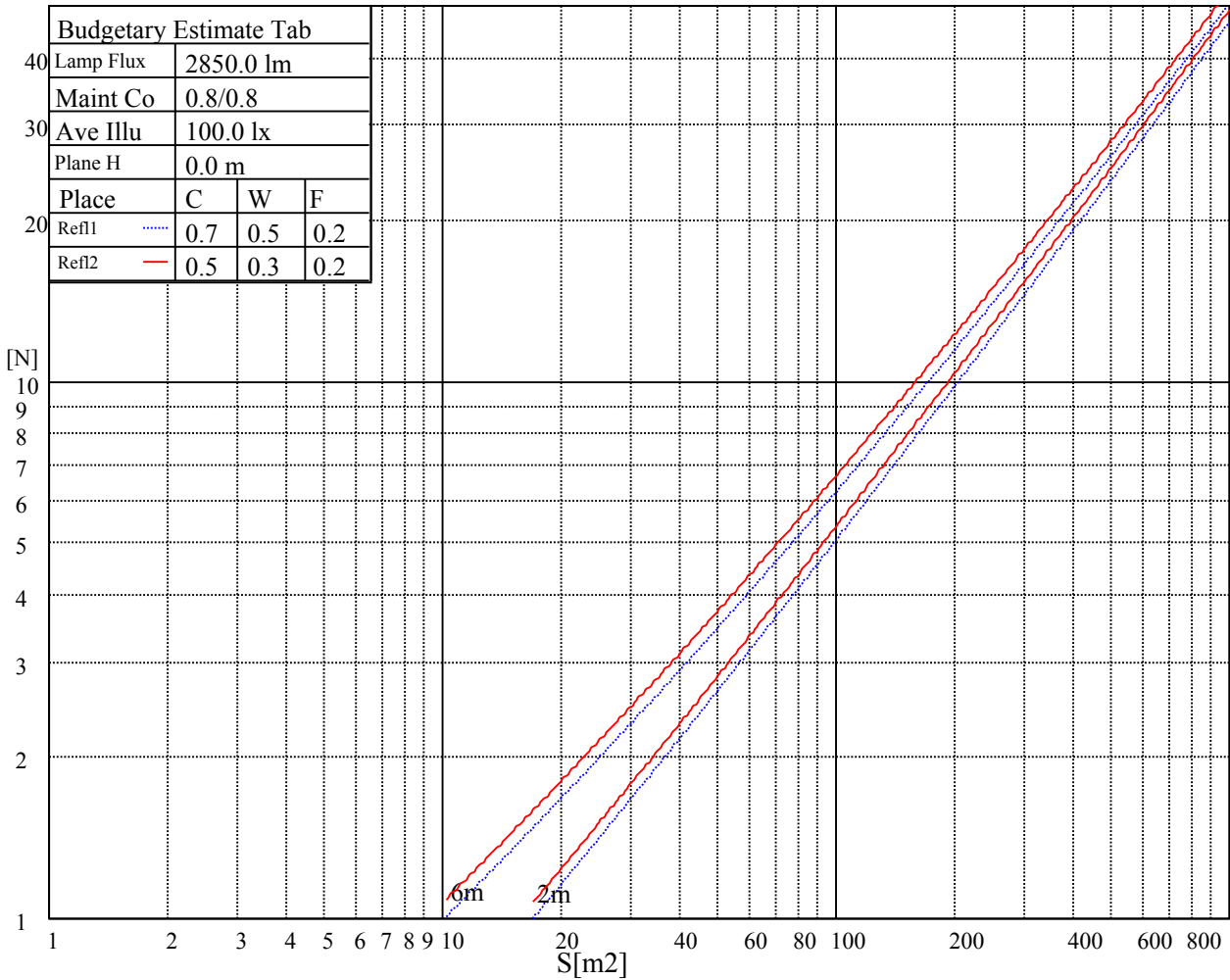
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

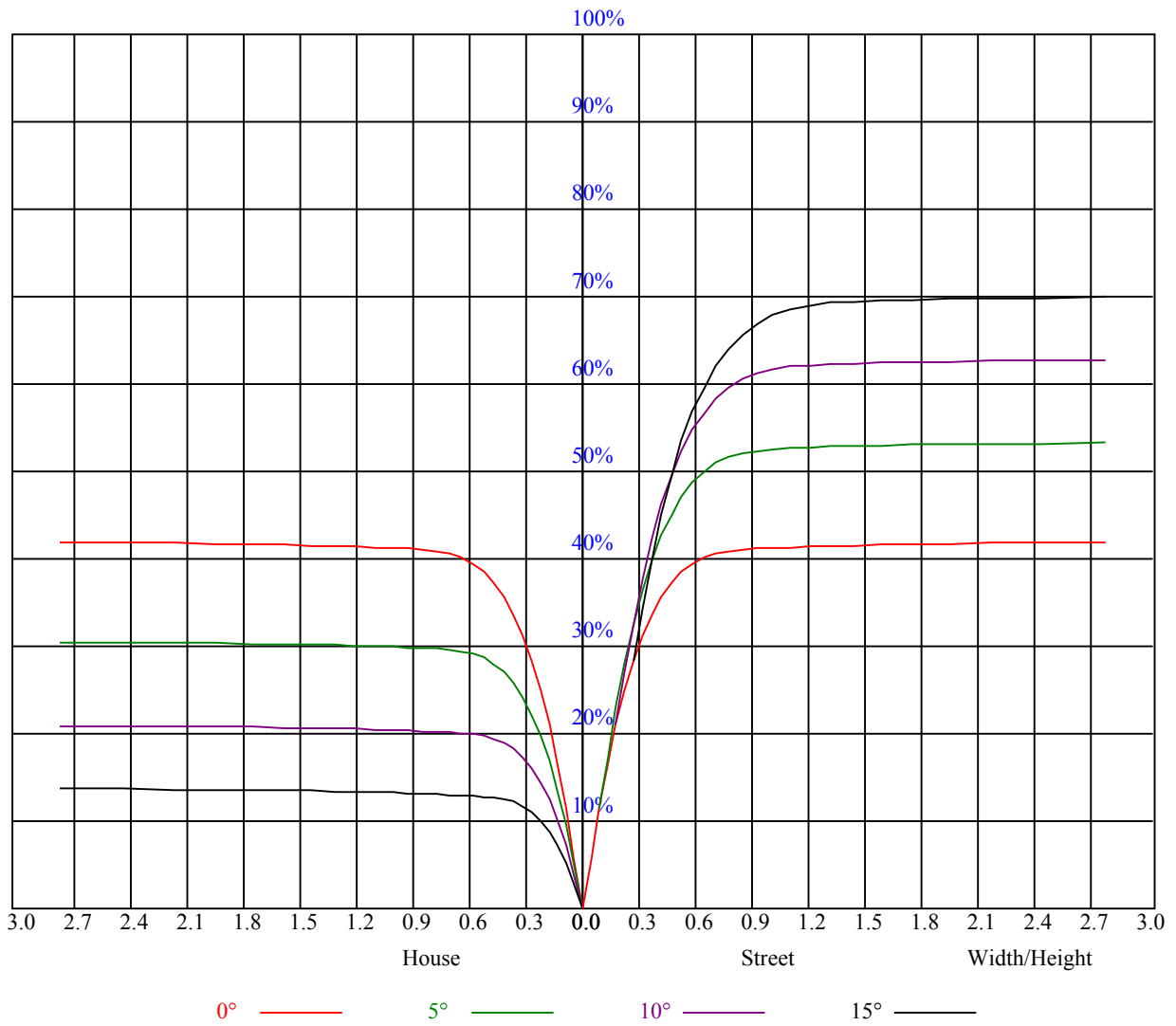


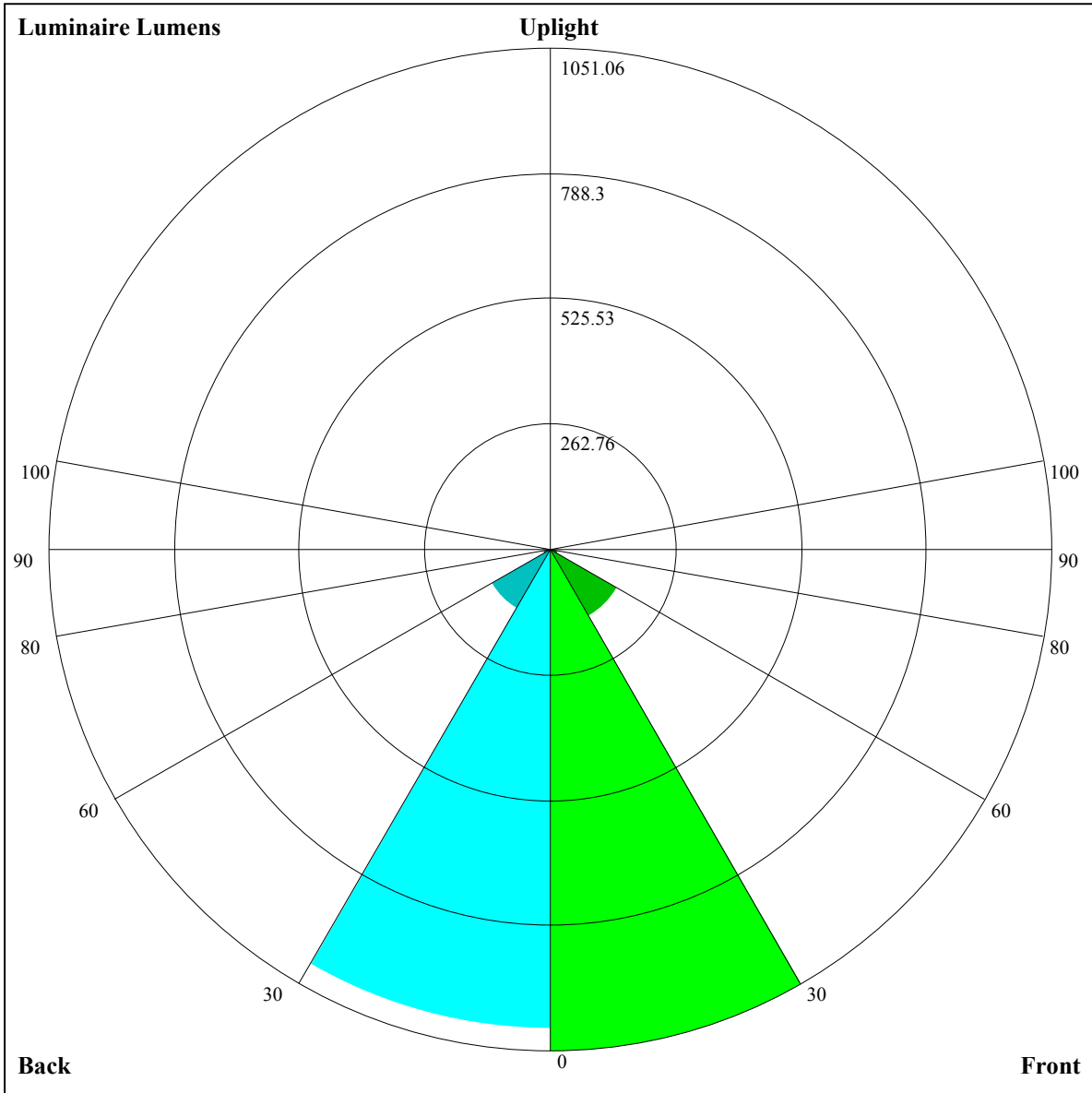
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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	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	0.89	0.89	0.87	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80
2	0.89	0.85	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	0.77	0.83	0.79	0.76	0.80	0.78	0.75	0.78	0.76	0.74	0.77	0.75	0.73	0.72
4	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.71	0.75	0.72	0.70	0.74	0.71	0.69	0.68
5	0.76	0.71	0.68	0.75	0.71	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
6	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
7	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.66	0.63	0.61	0.60
8	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.57
9	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.55
10	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.59	0.56	0.54	0.53





Luminaire Lumens:

FL=1051.06,FM=162.99,FH=17.23,FVH=6.05

BL=1005.28,BM=143.21,BH=17.43,BVH=6.01

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	7717.42	7658.31	7521.96	7315.37	6993.50	6677.48	6258.45	5907.90	5548.58
45.0	7604.47	7716.25	7695.77	7547.71	7332.34	7049.68	6644.70	6303.52	5950.63
90.0	7705.13	7634.32	7402.57	7138.63	6835.49	6503.08	6057.72	5700.74	5343.16
135.0	7690.50	7686.99	7573.46	7294.89	7008.13	6688.01	6342.73	5895.62	5539.21
180.0	7717.42	7643.10	7452.90	7190.13	6893.42	6476.74	6115.66	5745.21	5303.37
225.0	7604.47	7400.23	7128.10	6819.10	6391.30	6024.95	5662.70	5299.86	4951.65
270.0	7705.13	7658.90	7521.96	7294.89	6921.51	6597.30	6254.36	5884.50	5432.12
315.0	7690.50	7569.94	7391.45	7142.14	6755.31	6417.05	5979.30	5615.88	5250.70
360.0	7717.42	7658.31	7521.96	7315.37	6993.50	6677.48	6258.45	5907.90	5548.58
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5097.37	4738.04	4402.12	4077.91	3691.66	3409.58	3151.50	2913.89	2648.79
45.0	5505.27	5143.60	4794.81	4468.84	4069.13	3763.06	3475.71	3208.26	2908.63
90.0	5000.22	4591.15	4260.50	3945.06	3576.37	3305.99	3054.35	2759.39	2552.22
135.0	5201.54	4866.79	4453.62	4134.67	3828.60	3465.18	3195.97	2889.31	2666.34
180.0	4963.94	4623.34	4210.75	3896.49	3531.31	3255.08	2997.58	2759.98	2517.70
225.0	4524.43	4196.12	3809.29	3522.53	3248.06	2937.89	2713.75	2511.84	2283.61
270.0	5078.64	4737.45	4403.29	4000.07	3698.68	3406.07	3076.00	2834.89	2635.33
315.0	4884.35	4464.74	4145.79	3836.79	3548.86	3277.90	2973.59	2755.30	2500.72
360.0	5097.37	4738.04	4402.12	4077.91	3691.66	3409.58	3151.50	2913.89	2648.79
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2462.69	2291.80	2100.43	1959.98	1827.72	1679.07	1567.29	1462.54	1154.82
45.0	2693.26	2500.72	2286.53	2132.62	1951.20	1820.69	1699.55	1584.85	1448.49
90.0	2370.80	2158.95	2010.89	1873.36	1715.35	1599.48	1490.04	1382.95	1149.26
135.0	2465.03	2287.12	2084.63	1940.66	1804.89	1684.92	1540.96	1430.93	1323.84
180.0	2315.79	2144.91	1995.09	1820.11	1689.02	1567.88	1437.37	1333.20	1233.13
225.0	2116.23	1963.49	1825.96	1672.05	1555.59	1449.08	1161.96	1161.96	1113.98
270.0	2384.85	2220.40	2071.17	1929.55	1761.00	1638.69	1535.69	1407.52	1303.94
315.0	2318.72	2157.78	1974.61	1841.18	1720.62	1581.92	1478.34	1376.51	1149.67
360.0	2462.69	2291.80	2100.43	1959.98	1827.72	1679.07	1567.29	1462.54	1154.82
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1154.82	1128.78	1027.13	900.90	798.72	699.23	601.61	487.26	405.56
45.0	1343.74	1238.98	1133.64	1003.13	903.06	800.06	700.57	579.43	488.72
90.0	1149.26	1044.22	945.67	842.49	714.56	617.47	501.77	419.37	345.22
135.0	1218.50	1087.41	981.48	851.56	749.73	651.41	535.54	451.85	375.77
180.0	1104.96	1006.06	903.65	775.48	670.14	569.48	458.29	380.45	310.81
225.0	1010.74	883.10	778.47	678.10	558.30	471.05	375.19	309.35	250.65
270.0	1174.02	1077.46	976.21	874.38	742.12	635.61	547.24	462.97	368.75
315.0	1149.67	1044.92	944.32	839.15	710.87	613.37	520.09	417.50	345.34
360.0	1154.82	1128.78	1027.13	900.90	798.72	699.23	601.61	487.26	405.56
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	334.63	271.95	204.54	160.64	118.51	92.70	73.62	57.24	48.11
45.0	389.82	320.76	304.96	231.87	148.24	115.93	86.32	69.47	57.35
90.0	263.18	207.58	161.64	117.10	91.35	72.39	59.11	47.87	41.79
135.0	307.30	307.30	177.97	137.70	107.15	80.41	65.43	54.43	46.41
180.0	295.01	295.01	140.81	110.08	86.96	69.76	54.84	46.53	39.44
225.0	199.33	157.19	115.93	91.88	73.80	60.86	49.69	43.42	38.86
270.0	299.69	299.69	229.53	139.11	110.55	87.84	66.89	56.53	46.94
315.0	281.79	213.20	168.02	123.54	96.15	76.08	61.86	51.62	42.96
360.0	334.63	271.95	204.54	160.64	118.51	92.70	73.62	57.24	48.11

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	41.73	36.05	32.83	30.31	28.32	26.63	25.05	24.11	23.41
45.0	48.69	41.20	37.04	33.83	31.19	29.09	27.04	25.69	24.70
90.0	37.34	33.94	30.78	28.79	26.86	25.57	24.64	23.70	23.23
135.0	39.62	35.70	32.71	29.79	27.92	26.10	25.05	24.17	23.47
180.0	35.52	32.54	29.67	27.92	26.45	25.28	24.17	23.53	23.12
225.0	34.65	32.13	29.61	28.03	26.74	25.52	24.76	24.29	23.99
270.0	41.26	37.45	33.71	31.31	29.44	27.86	26.34	25.40	24.76
315.0	38.22	34.65	31.95	29.26	27.51	26.16	24.81	23.99	23.47
360.0	41.73	36.05	32.83	30.31	28.32	26.63	25.05	24.11	23.41
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	22.94	22.77	22.82	23.12	23.53	24.05	24.29	24.29	23.94
45.0	23.88	23.41	23.17	23.12	23.35	23.76	24.17	24.46	24.46
90.0	23.00	22.88	23.06	23.35	23.70	24.11	24.29	24.11	23.58
135.0	23.17	22.94	23.00	23.29	23.58	23.99	24.29	24.23	23.82
180.0	22.88	22.88	23.06	23.29	23.76	24.05	24.05	23.70	23.00
225.0	23.82	23.99	24.17	24.46	24.76	24.81	24.52	23.70	22.53
270.0	24.35	24.11	24.11	24.29	24.58	24.93	25.05	24.81	24.29
315.0	23.29	23.29	23.58	23.94	24.29	24.64	24.70	24.35	23.58
360.0	22.94	22.77	22.82	23.12	23.53	24.05	24.29	24.29	23.94
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.82	21.59	20.19	18.73	17.50	16.27	15.57	14.92	14.51
45.0	23.99	23.12	22.00	20.72	18.79	17.67	16.68	15.80	15.27
90.0	22.36	21.13	19.78	18.02	17.09	16.27	15.51	15.16	14.81
135.0	22.94	21.54	20.31	18.43	17.38	16.50	15.80	15.16	14.75
180.0	21.59	20.31	18.84	17.67	16.50	15.80	15.27	14.92	14.98
225.0	21.24	19.49	18.26	17.32	16.44	16.09	16.62	17.62	18.73
270.0	23.29	21.65	20.25	18.84	17.79	16.91	16.09	15.68	15.74
315.0	22.41	21.07	19.25	17.91	16.62	15.92	15.33	14.81	14.46
360.0	22.82	21.59	20.19	18.73	17.50	16.27	15.57	14.92	14.51
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.10	13.81	13.64	13.40	13.11	12.87	12.64	12.41	12.11
45.0	14.81	14.40	14.16	13.93	13.64	13.40	13.23	12.93	12.64
90.0	14.40	14.05	13.81	13.58	13.34	13.11	12.82	12.58	12.23
135.0	14.40	14.10	13.81	13.52	13.34	13.05	12.82	12.58	12.35
180.0	15.04	15.16	15.22	15.16	14.69	13.99	13.40	12.76	12.11
225.0	19.14	19.08	18.61	17.79	16.97	15.86	13.75	12.82	12.00
270.0	15.45	14.81	14.34	13.99	13.69	13.40	13.17	12.93	12.64
315.0	14.10	13.87	13.64	13.40	13.17	12.87	12.64	12.41	12.11
360.0	14.10	13.81	13.64	13.40	13.11	12.87	12.64	12.41	12.11
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.82	11.53	11.35	11.12	11.00	10.83	10.59	10.42	10.24
45.0	12.35	12.00	11.70	11.41	11.18	11.00	10.77	10.53	10.42
90.0	11.94	11.65	11.35	11.12	10.94	10.71	10.53	10.36	10.18
135.0	12.06	11.82	11.59	11.41	11.24	10.71	10.48	10.36	10.18
180.0	11.76	11.47	11.29	11.18	10.77	10.59	10.36	10.18	10.01
225.0	11.70	11.53	11.29	11.00	10.71	10.48	10.30	10.12	10.07
270.0	12.29	11.94	11.70	11.35	11.18	10.77	10.53	10.30	10.12
315.0	11.82	11.59	11.35	11.12	10.94	10.65	10.42	10.30	10.12
360.0	11.82	11.53	11.35	11.12	11.00	10.83	10.59	10.42	10.24

Intensity data(cd)

C/ γ (°)	90.0
0.0	10.12
45.0	10.18
90.0	10.12
135.0	10.07
180.0	10.01
225.0	10.07
270.0	10.12
315.0	10.07
360.0	10.12