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Nata

Client:

LumCAT: 2-2518-L

Luminaire: 92.70.412.00

Report No: 2024814-B031

Ballast type: AC

Test No: 2024814-C031

Voltage(V): 34.650

LampCAT: LUMINUS CXM-14-AC40

Current(A): 0.694

Lamp flux(lm): 3147.0

Power (W): 24.040

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2870.53, Efficiency(%): 91.21% , Luminous Efficacy(lm/W): 119.41

Central intensity(cd): 13755.530, Maximum intensity(cd): 13755.530

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=19.8

[C90/270]Total=19.8

Field angle(10%Imax): [C0/180]Total=49.4

[C90/270]Total=49.4

Maximum s/h(1/2): C0_180=0.34 C90_270=0.34

Maximum s/h(1/4): C0_180=0.37 C90_270=0.37

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 91.21%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.180%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/14
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	13755.527	0.000	0	0.00%	0.00%
1.0	13671.953	13.124	13.124	0.42%	0.46%
2.0	13201.466	38.571	51.695	1.23%	1.80%
3.0	12683.824	61.909	113.604	1.97%	3.96%
4.0	12241.228	83.432	197.036	2.65%	6.86%
5.0	11432.055	101.841	298.877	3.24%	10.41%
6.0	10561.041	115.580	414.457	3.67%	14.44%
7.0	9677.308	125.619	540.076	3.99%	18.81%
8.0	8721.702	131.678	671.754	4.18%	23.40%
9.0	7724.388	133.287	805.041	4.24%	28.05%
10.0	6787.100	131.324	936.364	4.17%	32.62%
11.0	5976.218	127.532	1063.896	4.05%	37.06%
12.0	5204.476	122.221	1186.117	3.88%	41.32%
13.0	4589.160	116.226	1302.343	3.69%	45.37%
14.0	4034.362	110.380	1412.723	3.51%	49.21%
15.0	3578.600	104.514	1517.237	3.32%	52.86%
16.0	3211.851	99.499	1616.736	3.16%	56.32%
17.0	2918.782	95.470	1712.207	3.03%	59.65%
18.0	2695.392	92.566	1804.772	2.94%	62.87%
19.0	2417.474	88.953	1893.726	2.83%	65.97%
20.0	2230.411	85.069	1978.795	2.70%	68.93%
21.0	2023.518	81.684	2060.479	2.60%	71.78%
22.0	1802.651	76.888	2137.368	2.44%	74.46%
23.0	1609.129	71.588	2208.956	2.27%	76.95%
24.0	1467.414	67.264	2276.22	2.14%	79.30%
25.0	1326.894	63.536	2339.757	2.02%	81.51%
26.0	1154.594	58.576	2398.332	1.86%	83.55%
27.0	1052.728	54.003	2452.335	1.72%	85.43%
28.0	948.359	50.663	2502.998	1.61%	87.20%
29.0	829.062	46.502	2549.501	1.48%	88.82%
30.0	714.075	41.664	2591.165	1.32%	90.27%
31.0	608.214	36.797	2627.962	1.17%	91.55%
32.0	511.854	32.089	2660.051	1.02%	92.67%
33.0	436.288	27.933	2687.984	0.89%	93.64%
34.0	351.223	23.832	2711.816	0.76%	94.47%
35.0	302.707	20.309	2732.125	0.65%	95.18%
36.0	242.313	17.354	2749.478	0.55%	95.78%
37.0	198.397	14.373	2763.852	0.46%	96.28%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	155.526	11.813	2775.665	0.38%	96.70%
39.0	125.105	9.579	2785.244	0.30%	97.03%
40.0	97.885	7.777	2793.021	0.25%	97.30%
41.0	79.146	6.304	2799.325	0.20%	97.52%
42.0	65.565	5.258	2804.583	0.17%	97.70%
43.0	55.296	4.477	2809.06	0.14%	97.86%
44.0	47.379	3.875	2812.935	0.12%	97.99%
45.0	41.774	3.426	2816.361	0.11%	98.11%
46.0	37.155	3.087	2819.448	0.10%	98.22%
47.0	33.679	2.817	2822.265	0.09%	98.32%
48.0	30.637	2.600	2824.865	0.08%	98.41%
49.0	28.095	2.412	2827.277	0.08%	98.49%
50.0	26.078	2.259	2829.536	0.07%	98.57%
51.0	23.982	2.118	2831.654	0.07%	98.65%
52.0	22.365	1.989	2833.642	0.06%	98.71%
53.0	21.137	1.892	2835.535	0.06%	98.78%
54.0	19.855	1.807	2837.342	0.06%	98.84%
55.0	18.831	1.727	2839.068	0.05%	98.90%
56.0	17.963	1.663	2840.731	0.05%	98.96%
57.0	17.319	1.613	2842.344	0.05%	99.02%
58.0	16.754	1.576	2843.92	0.05%	99.07%
59.0	16.308	1.546	2845.466	0.05%	99.13%
60.0	15.926	1.523	2846.988	0.05%	99.18%
61.0	15.591	1.504	2848.492	0.05%	99.23%
62.0	15.269	1.487	2849.98	0.05%	99.28%
63.0	14.961	1.470	2851.45	0.05%	99.34%
64.0	14.606	1.451	2852.901	0.05%	99.39%
65.0	14.133	1.422	2854.323	0.05%	99.44%
66.0	13.522	1.380	2855.703	0.04%	99.48%
67.0	12.740	1.321	2857.023	0.04%	99.53%
68.0	12.188	1.263	2858.286	0.04%	99.57%
69.0	11.452	1.206	2859.492	0.04%	99.62%
70.0	10.696	1.138	2860.629	0.04%	99.66%
71.0	9.763	1.057	2861.687	0.03%	99.69%
72.0	8.620	0.956	2862.643	0.03%	99.73%
73.0	7.740	0.856	2863.498	0.03%	99.76%
74.0	6.958	0.773	2864.271	0.02%	99.78%
75.0	6.262	0.698	2864.969	0.02%	99.81%

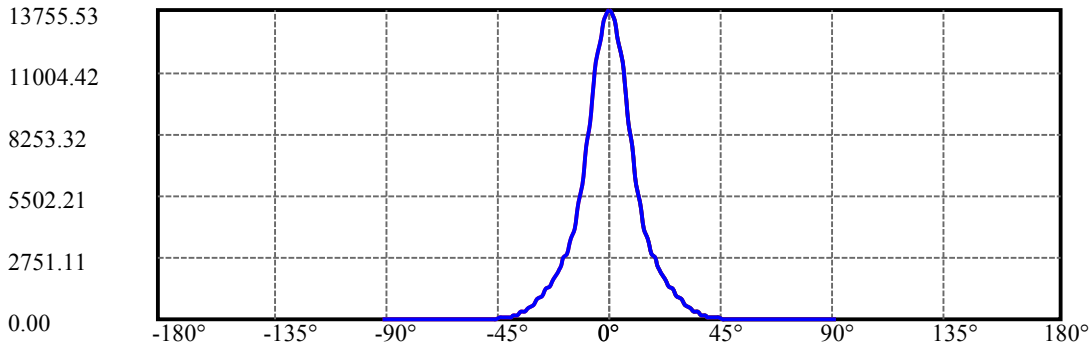
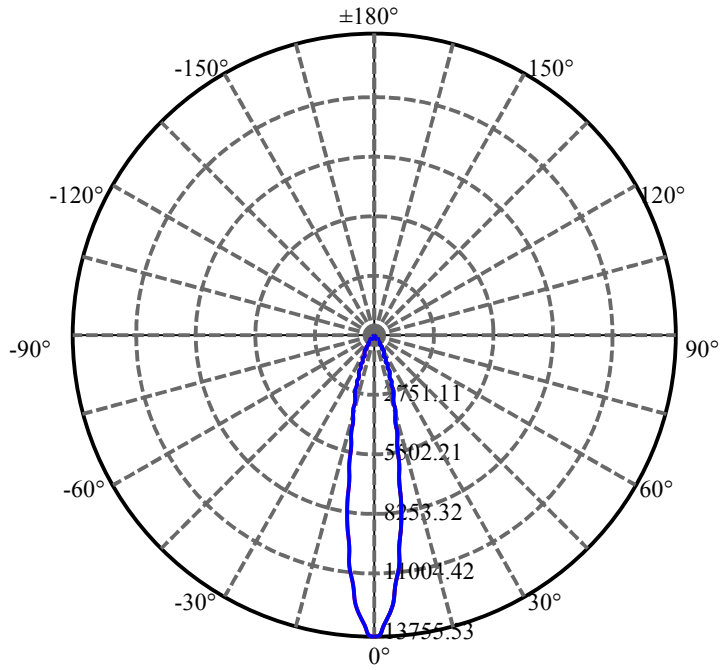
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.696	0.635	2865.604	0.02%	99.83%
77.0	5.223	0.582	2866.186	0.02%	99.85%
78.0	4.816	0.537	2866.724	0.02%	99.87%
79.0	4.461	0.498	2867.222	0.02%	99.88%
80.0	4.100	0.462	2867.684	0.01%	99.90%
81.0	3.732	0.424	2868.107	0.01%	99.92%
82.0	3.397	0.387	2868.494	0.01%	99.93%
83.0	3.095	0.353	2868.847	0.01%	99.94%
84.0	2.786	0.320	2869.167	0.01%	99.95%
85.0	2.530	0.290	2869.457	0.01%	99.96%
86.0	2.267	0.262	2869.719	0.01%	99.97%
87.0	2.043	0.236	2869.955	0.01%	99.98%
88.0	1.840	0.213	2870.168	0.01%	99.99%
89.0	1.636	0.191	2870.359	0.01%	99.99%
90.0	1.505	0.172	2870.531	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2591.17	82.34%	90.27%
0-40	2793.02	88.75%	97.30%
0-60	2846.99	90.47%	99.18%
0-90	2870.36	91.21%	99.99%
0-120	2870.36	91.21%	99.99%
0-180	2870.53	91.21%	100.00%
60-90	23.37	0.74%	0.81%
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%
0-24.32	2296.43	72.97%	80.00%

ZONAL LUMEN SUMMARY

0-10	936.36
10-20	1042.43
20-30	612.37
30-40	201.86
40-50	36.51
50-60	17.45
60-70	13.64
70-80	7.05
80-90	2.67
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



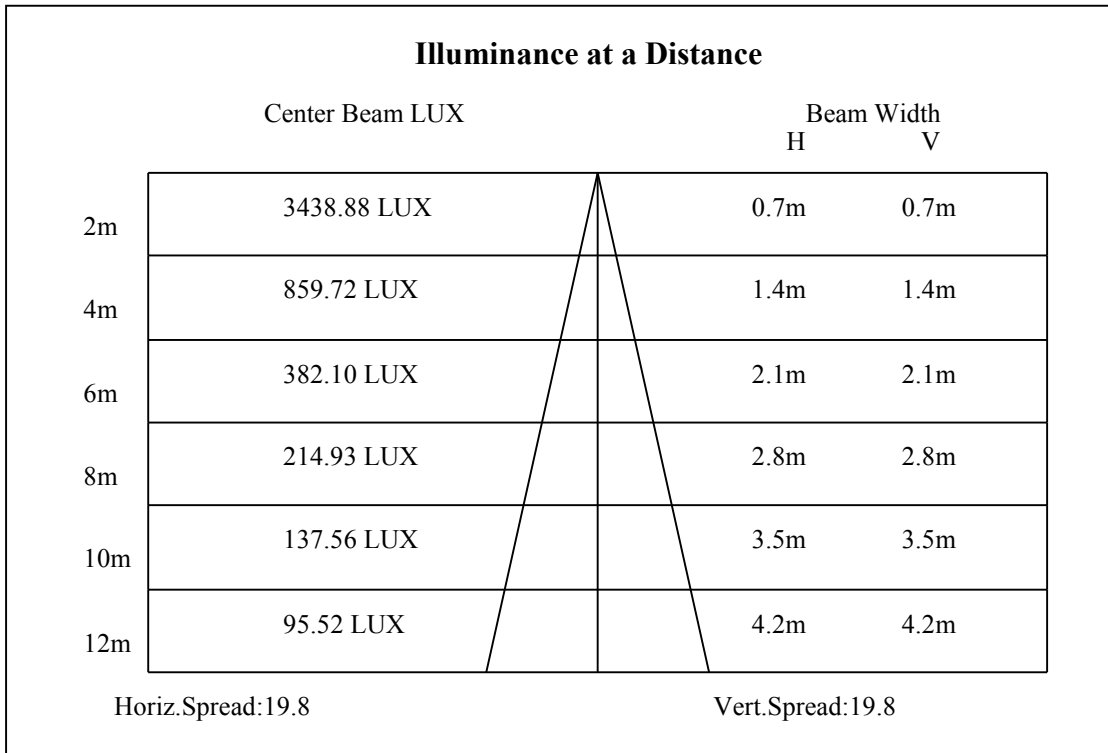
C0(Max): —————

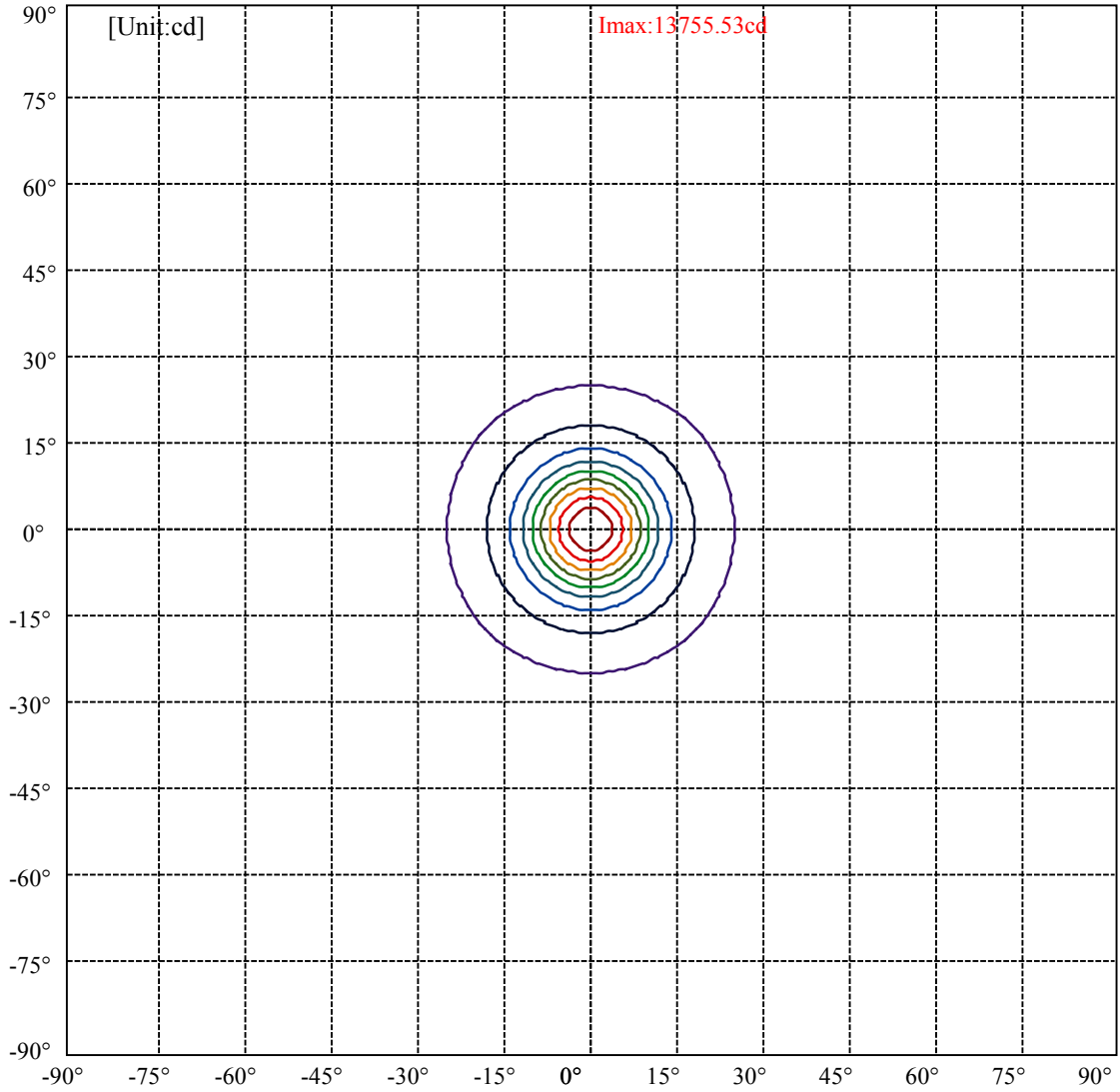
C0/C180: —————

C90/C270: —————

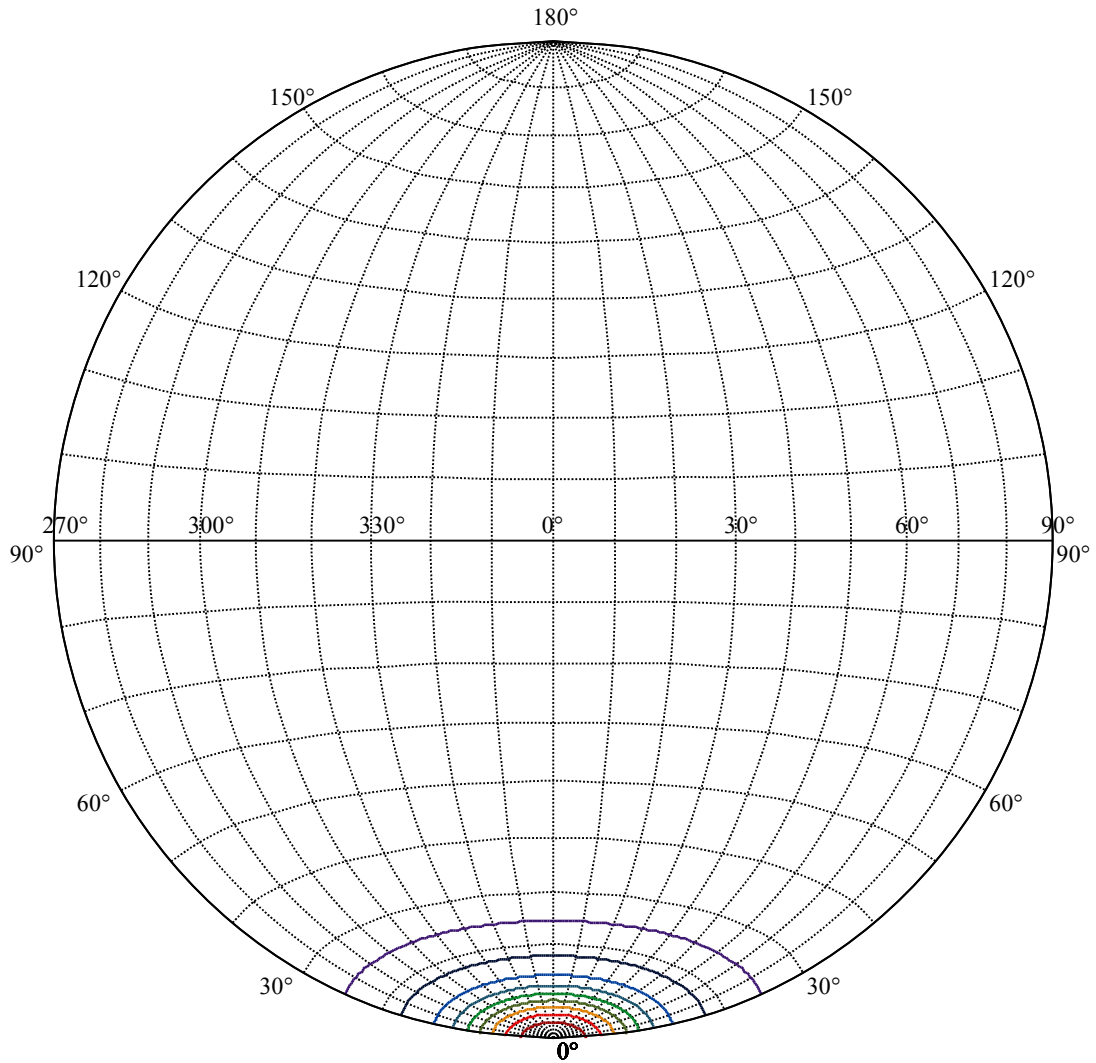
Field angle(10%Imax):C0/180Left:24.7 Right:24.7
:C90/270Left:24.7 Right:24.7

Beam Angle(50%Imax):C0/180Left:9.9 Right:9.9
:C90/270Left:9.9 Right:9.9





(10%Imax) 1375.55	—
(20%Imax) 2751.11	—
(30%Imax) 4126.66	—
(40%Imax) 5502.21	—
(50%Imax) 6877.76	—
(60%Imax) 8253.32	—
(70%Imax) 9628.87	—
(80%Imax) 11004.4	—
(90%Imax) 12380	—



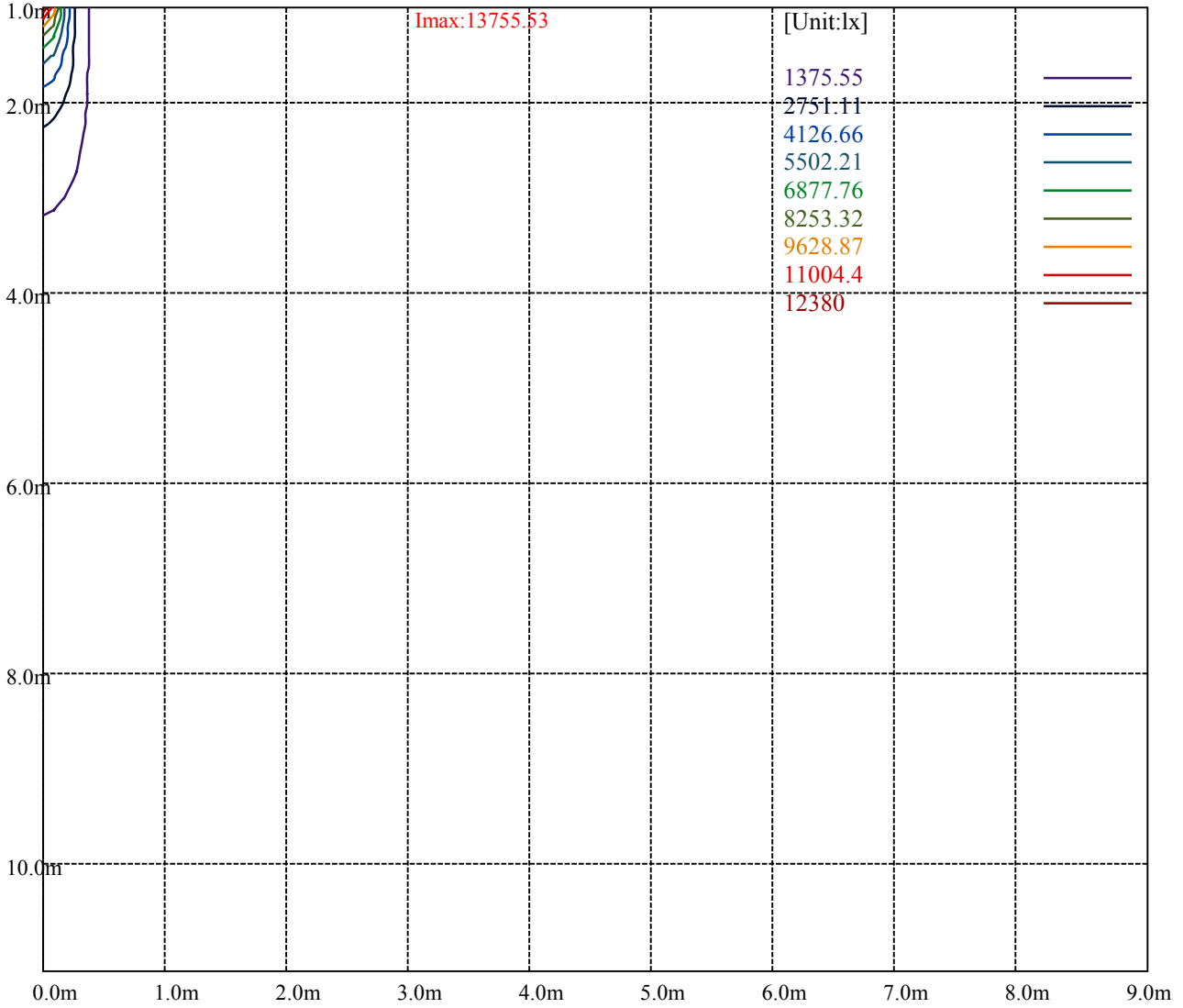
House

[Unit:cd]

Road

Imax:13755.53

(10%Imax) 1375.55	—
(20%Imax) 2751.11	—
(30%Imax) 4126.66	—
(40%Imax) 5502.21	—
(50%Imax) 6877.76	—
(60%Imax) 8253.32	—
(70%Imax) 9628.87	—
(80%Imax) 11004.4	—
(90%Imax) 12380	—



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

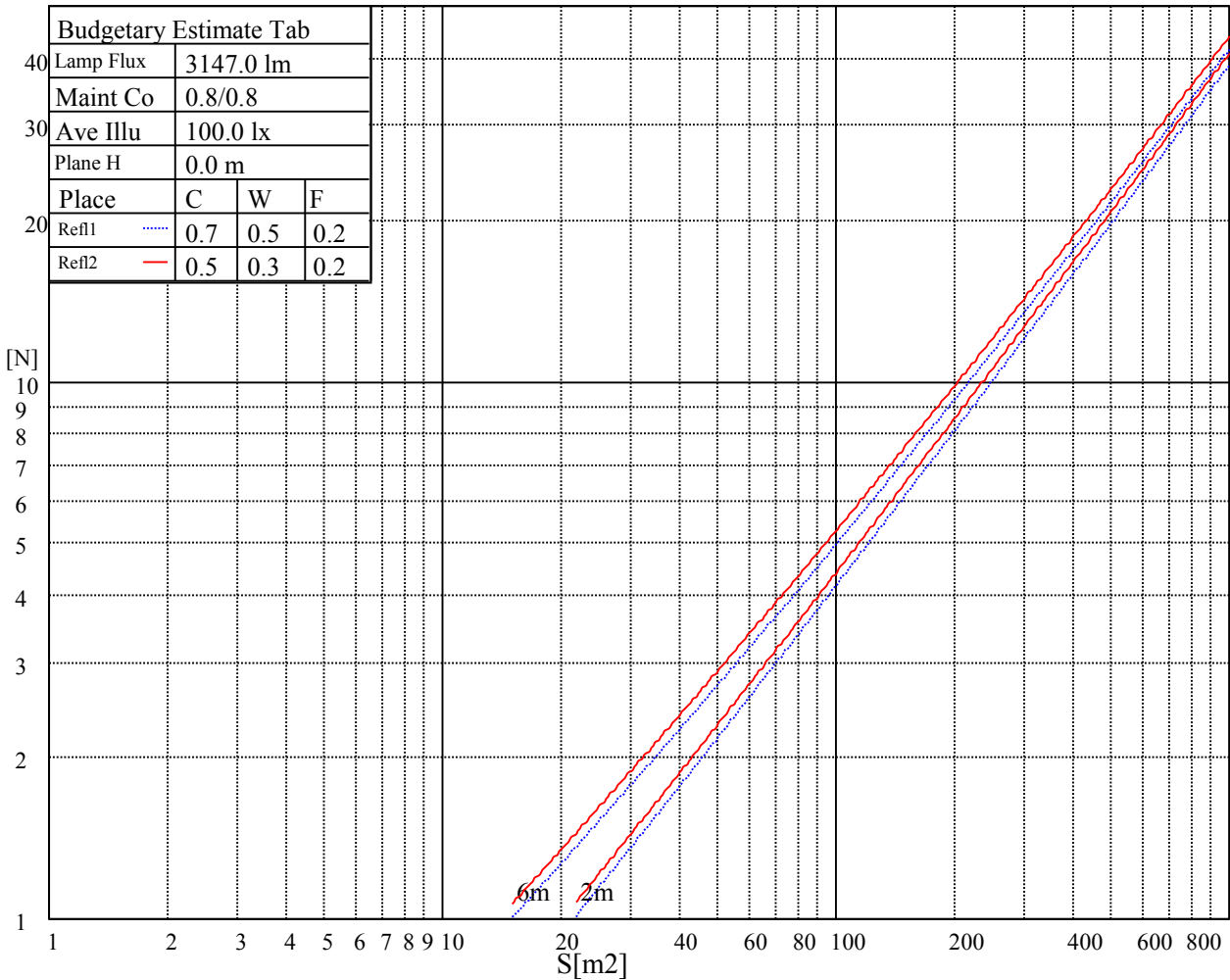
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

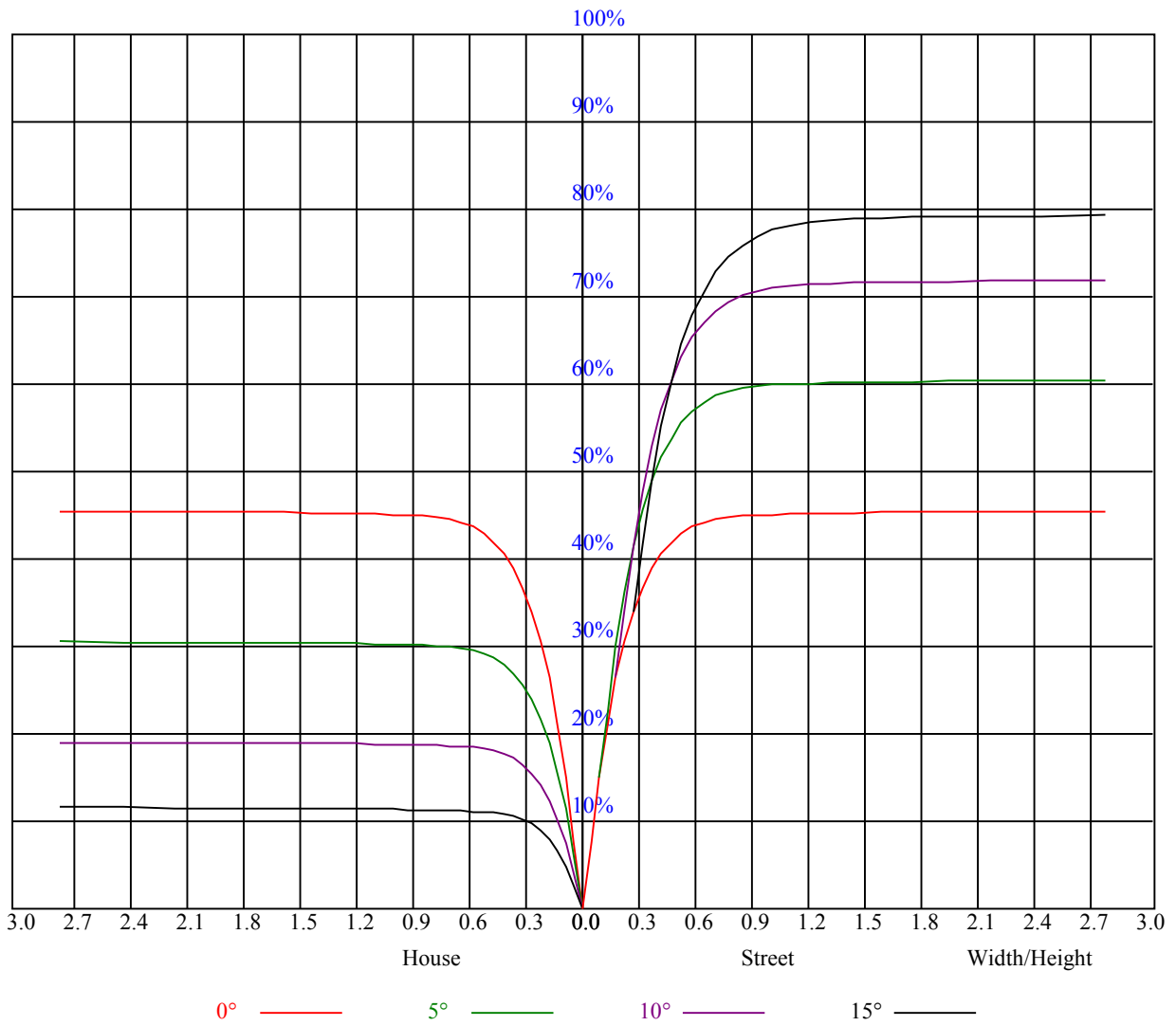


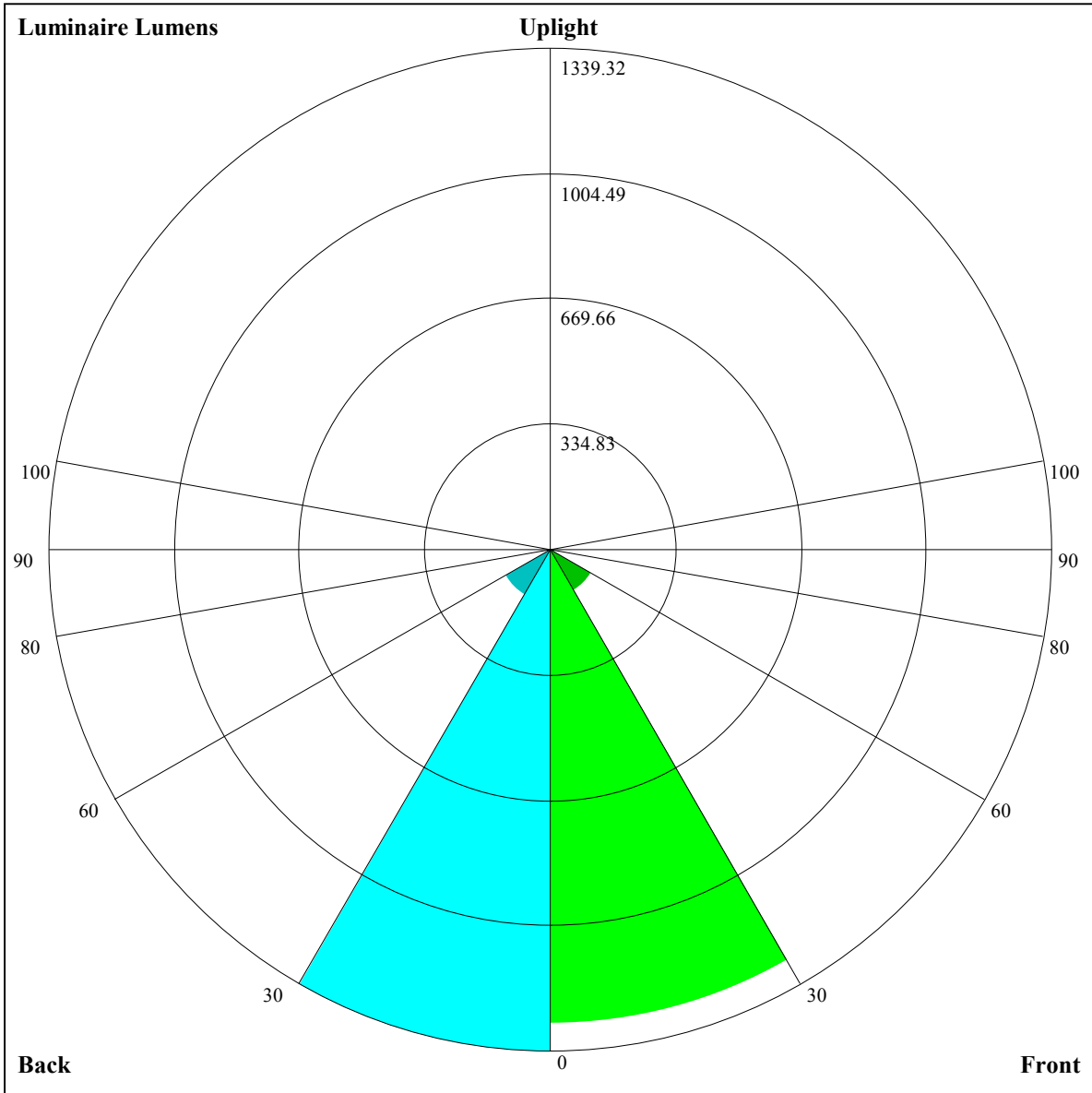
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.09	1.09	1.09	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.02	1.01	0.99	1.01	0.99	0.97	0.97	0.96	0.94	0.94	0.93	0.92	0.90	0.90	0.89	0.87
2	0.97	0.94	0.92	0.96	0.93	0.91	0.93	0.91	0.89	0.90	0.88	0.87	0.88	0.86	0.85	0.84
3	0.93	0.89	0.86	0.91	0.88	0.85	0.89	0.86	0.84	0.87	0.85	0.83	0.85	0.83	0.82	0.80
4	0.88	0.85	0.82	0.87	0.84	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.77
5	0.85	0.81	0.78	0.84	0.80	0.77	0.83	0.79	0.77	0.81	0.78	0.76	0.80	0.77	0.75	0.74
6	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.77	0.75	0.73	0.72
7	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.69
8	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.68	0.67
9	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.71	0.68	0.66	0.65
10	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.69	0.66	0.64	0.63





Luminaire Lumens:

FL=1264.84,FM=123.4,FH=10.3,FVH=1.41

BL=1339.32,BM=138.53,BH=10.41,BVH=1.46

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	13676.13	13475.55	12779.10	10844.33	10844.33	10653.79	9639.23	8585.09	7529.21
45.0	13915.71	13564.70	13046.54	12350.09	11514.34	10979.47	9987.72	8533.52	7909.50
90.0	13425.41	12795.82	10742.41	10742.41	10533.47	9493.79	8431.29	7374.89	6414.36
135.0	14004.86	13737.42	13280.55	12634.24	11859.78	10962.75	9976.57	8940.25	7892.79
180.0	13676.13	13826.57	13770.85	13503.41	13029.82	12389.09	11609.06	10689.74	9720.28
225.0	13915.71	14038.29	13949.14	13653.85	13146.83	12366.80	10835.44	10431.50	9798.02
270.0	13425.41	13893.43	14149.72	14199.86	14016.00	13637.13	13035.39	12288.80	11386.19
315.0	14004.86	14043.86	13893.43	13542.41	12985.25	10973.63	10973.63	10574.68	9123.27
360.0	13676.13	13475.55	12779.10	10844.33	10844.33	10653.79	9639.23	8585.09	7529.21
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6572.05	5716.22	4972.99	4346.18	3848.05	3444.68	3107.02	2825.13	2582.19
45.0	6906.61	6020.72	5246.26	4572.10	4026.08	3585.92	3212.62	2895.04	2783.60
90.0	5574.15	4837.59	4229.18	3738.30	3351.07	3015.67	2743.18	2509.18	2286.31
135.0	6862.63	5959.43	5179.40	4761.53	4170.94	3691.78	3312.91	2995.33	2833.75
180.0	8689.53	7686.63	6733.89	5864.71	5101.40	4443.95	3914.64	3574.78	3145.76
225.0	8299.25	7285.22	6710.18	5510.07	5070.49	4419.14	3888.73	3460.82	3107.02
270.0	10388.87	9330.26	8249.37	7229.76	6277.01	5435.70	4711.39	4104.08	3619.35
315.0	8502.62	7460.72	6488.47	5613.15	4868.23	4238.06	3738.30	3330.47	2992.28
360.0	6572.05	5716.22	4972.99	4346.18	3848.05	3444.68	3107.02	2825.13	2582.19
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2401.11	2140.35	1945.34	1802.16	1632.80	1475.11	1331.93	1069.02	1069.02
45.0	2572.15	2167.68	2006.10	1782.66	1647.83	1499.61	1325.78	1220.50	1088.99
90.0	2078.53	1926.42	1721.37	1601.00	1458.40	1108.18	1108.18	1052.67	915.90
135.0	2833.75	2253.46	2043.42	1854.51	1687.36	1536.40	1389.86	1249.46	1116.27
180.0	2850.46	2850.46	2750.18	2197.74	1994.96	1814.40	1647.83	1491.83	1354.22
225.0	2804.47	2547.07	2314.75	2097.45	1892.41	1716.90	1554.80	1408.78	1092.04
270.0	3307.34	2978.61	2805.89	2805.89	2250.67	2036.17	1847.31	1676.22	1523.00
315.0	2715.33	2475.75	2256.25	2046.73	1856.77	1686.26	1533.62	1446.68	1077.32
360.0	2401.11	2140.35	1945.34	1802.16	1632.80	1475.11	1331.93	1069.02	1069.02
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	940.19	814.25	695.93	591.22	499.03	410.72	332.56	265.70	209.25
45.0	963.05	837.69	717.37	609.83	516.22	428.75	349.65	282.21	282.21
90.0	788.28	670.70	567.89	473.12	387.65	312.85	249.93	198.58	156.27
135.0	1009.31	858.35	760.26	649.94	554.69	465.55	383.60	310.64	298.40
180.0	1221.03	1092.88	961.95	834.38	715.11	610.41	553.54	429.33	350.75
225.0	1042.26	1042.26	916.58	794.96	677.95	576.24	486.26	403.31	329.62
270.0	1380.40	1245.00	1113.48	982.55	854.40	731.83	664.97	531.25	478.32
315.0	1077.32	1025.76	899.03	776.61	660.66	558.48	469.80	388.75	316.85
360.0	940.19	814.25	695.93	591.22	499.03	410.72	332.56	265.70	209.25
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	164.52	128.04	110.22	86.62	69.22	56.82	48.30	42.42	37.74
45.0	178.29	155.06	112.27	97.92	79.74	66.18	56.08	49.09	43.63
90.0	135.45	97.71	78.48	69.28	57.19	48.46	41.73	36.58	32.59
135.0	234.80	159.11	126.73	102.08	83.42	74.80	60.50	53.72	50.20
180.0	308.38	308.38	189.65	151.85	121.10	98.40	80.00	66.33	56.29
225.0	266.75	214.88	172.46	139.03	112.80	92.40	76.43	63.97	54.24
270.0	395.90	322.31	295.61	229.75	152.48	119.42	94.19	75.37	61.03
315.0	254.40	201.68	158.79	124.31	107.12	76.69	67.28	54.88	43.31
360.0	164.52	128.04	110.22	86.62	69.22	56.82	48.30	42.42	37.74

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	33.80	30.59	27.96	25.65	23.71	21.97	20.45	19.19	18.19
45.0	38.95	35.22	32.06	29.44	27.49	25.97	23.86	22.44	21.03
90.0	29.33	26.91	24.91	23.39	21.97	20.92	20.03	19.40	18.66
135.0	45.36	41.37	38.00	35.11	32.59	30.33	28.28	26.49	24.97
180.0	48.78	42.89	38.21	35.85	31.48	28.70	27.33	24.44	23.34
225.0	47.10	41.37	38.69	33.48	31.54	28.86	25.55	24.39	22.60
270.0	51.04	43.99	38.58	34.27	30.59	28.70	25.02	22.86	21.87
315.0	39.84	34.90	31.01	27.91	25.39	23.18	21.34	19.71	18.45
360.0	33.80	30.59	27.96	25.65	23.71	21.97	20.45	19.19	18.19
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.40	16.82	16.29	15.98	15.66	15.40	15.14	14.72	14.40
45.0	19.87	18.92	18.29	17.92	17.35	17.24	17.03	16.71	16.87
90.0	17.92	17.35	16.93	16.66	16.29	15.98	15.61	15.30	14.93
135.0	23.44	22.13	20.97	20.08	19.24	18.66	18.08	17.61	16.93
180.0	21.71	20.45	19.24	18.24	17.56	16.93	16.40	16.08	15.82
225.0	20.97	19.55	18.45	17.71	17.08	16.56	16.19	15.87	15.40
270.0	20.18	18.87	17.66	16.66	15.93	15.24	14.82	14.45	14.24
315.0	17.35	16.56	15.87	15.30	14.93	14.45	14.14	13.98	13.56
360.0	17.40	16.82	16.29	15.98	15.66	15.40	15.14	14.72	14.40
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.03	13.25	12.56	12.04	11.51	10.83	10.46	9.46	8.46
45.0	16.40	16.29	15.72	15.03	14.09	14.19	14.03	14.14	13.51
90.0	14.56	14.30	14.09	13.67	13.51	13.46	13.46	12.40	10.30
135.0	16.56	15.87	14.93	13.77	12.51	11.62	10.57	9.93	9.20
180.0	15.45	15.14	14.82	14.09	12.98	12.04	10.88	9.67	8.88
225.0	15.19	14.82	14.35	13.56	12.46	11.93	10.41	9.72	8.78
270.0	14.19	14.03	13.88	13.56	13.14	12.35	11.46	10.72	10.25
315.0	13.30	13.14	12.72	12.46	11.72	11.09	10.35	9.51	8.73
360.0	14.03	13.25	12.56	12.04	11.51	10.83	10.46	9.46	8.46
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.78	7.04	6.36	5.78	5.15	4.73	4.36	4.05	3.68
45.0	11.41	9.57	8.04	6.83	5.83	5.10	4.63	4.26	3.99
90.0	8.52	7.31	6.10	5.31	4.94	4.57	4.10	3.84	3.57
135.0	8.25	7.62	6.94	6.20	5.68	5.26	4.89	4.52	4.05
180.0	8.46	7.52	7.15	6.62	6.04	5.57	5.20	4.84	4.47
225.0	7.73	7.46	6.78	6.25	5.78	5.41	4.94	4.63	4.21
270.0	8.83	8.09	7.62	6.94	6.41	5.89	5.47	4.99	4.68
315.0	7.99	7.31	6.68	6.15	5.73	5.26	4.94	4.57	4.15
360.0	7.78	7.04	6.36	5.78	5.15	4.73	4.36	4.05	3.68
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.31	3.05	2.84	2.52	2.31	2.05	1.89	1.68	1.42
45.0	3.47	3.15	3.00	2.68	2.31	2.16	1.84	1.68	1.52
90.0	3.26	2.94	2.79	2.63	2.37	2.16	2.00	1.84	1.84
135.0	3.73	3.42	3.10	2.79	2.52	2.31	2.10	1.79	1.37
180.0	4.05	3.63	3.26	2.94	2.73	2.37	2.16	2.00	1.79
225.0	3.89	3.57	3.15	2.79	2.52	2.26	2.00	1.79	1.52
270.0	4.26	3.84	3.42	3.05	2.79	2.42	2.16	1.94	1.79
315.0	3.89	3.57	3.21	2.89	2.68	2.42	2.21	2.00	1.84
360.0	3.31	3.05	2.84	2.52	2.31	2.05	1.89	1.68	1.42

Intensity data(cd)

C/γ(°)	90.0
0.0	1.37
45.0	1.42
90.0	1.79
135.0	1.37
180.0	1.47
225.0	1.37
270.0	1.52
315.0	1.73
360.0	1.37