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NT

Client:

LumCAT: 2-2681-L

Luminaire: 92.70.411.00

Report No: 2024416-B008

Ballast type: AC

Test No: 2024416-C008

Voltage(V): 33.760

LampCAT: NICHIA NFCWJ108B-V3

Current(A): 0.577

Lamp flux(lm): 2647.0

Power (W): 19.479

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2185.20, Efficiency(%): 82.55% , Luminous Efficacy(lm/W): 112.18

Central intensity(cd): 3918.432, Maximum intensity(cd): 3918.432

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=44.2

[C90/270]Total=44.2

Field angle(10%Imax): [C0/180]Total=68.2

[C90/270]Total=68.2

Maximum s/h(1/2): C0_180=0.71 C90_270=0.71

Maximum s/h(1/4): C0_180=0.69 C90_270=0.69

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.55%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.624%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/16
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	3918.433	0.000	0	0.00%	0.00%
1.0	3913.092	3.747	3.747	0.14%	0.17%
2.0	3898.169	11.211	14.959	0.42%	0.68%
3.0	3868.981	18.576	33.535	0.70%	1.53%
4.0	3834.599	25.786	59.322	0.97%	2.71%
5.0	3789.537	32.799	92.12	1.24%	4.22%
6.0	3735.038	39.544	131.664	1.49%	6.03%
7.0	3673.808	45.987	177.65	1.74%	8.13%
8.0	3604.167	52.087	229.737	1.97%	10.51%
9.0	3524.869	57.777	287.514	2.18%	13.16%
10.0	3441.401	63.042	350.557	2.38%	16.04%
11.0	3357.421	67.934	418.491	2.57%	19.15%
12.0	3251.422	72.244	490.735	2.73%	22.46%
13.0	3157.786	76.061	566.796	2.87%	25.94%
14.0	3044.399	79.387	646.184	3.00%	29.57%
15.0	2936.132	82.103	728.287	3.10%	33.33%
16.0	2810.821	84.209	812.496	3.18%	37.18%
17.0	2692.679	85.704	898.2	3.24%	41.10%
18.0	2551.347	86.463	984.663	3.27%	45.06%
19.0	2416.233	86.426	1071.088	3.27%	49.02%
20.0	2262.099	85.626	1156.715	3.23%	52.93%
21.0	2121.353	84.171	1240.886	3.18%	56.79%
22.0	1975.632	82.331	1323.217	3.11%	60.55%
23.0	1840.079	80.064	1403.281	3.02%	64.22%
24.0	1699.698	77.392	1480.673	2.92%	67.76%
25.0	1550.246	73.897	1554.57	2.79%	71.14%
26.0	1326.903	67.915	1622.485	2.57%	74.25%
27.0	1253.749	63.136	1685.621	2.39%	77.14%
28.0	1141.298	60.638	1746.259	2.29%	79.91%
29.0	992.051	55.814	1802.073	2.11%	82.47%
30.0	866.316	50.176	1852.249	1.90%	84.76%
31.0	734.787	44.556	1896.805	1.68%	86.80%
32.0	617.712	38.748	1935.553	1.46%	88.58%
33.0	500.975	32.957	1968.51	1.25%	90.08%
34.0	403.586	27.375	1995.884	1.03%	91.34%
35.0	312.576	22.241	2018.126	0.84%	92.35%
36.0	250.564	17.930	2036.056	0.68%	93.17%
37.0	198.391	14.642	2050.698	0.55%	93.84%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	130.571	10.980	2061.679	0.41%	94.35%
39.0	80.476	7.204	2068.882	0.27%	94.68%
40.0	65.099	5.077	2073.96	0.19%	94.91%
41.0	56.547	4.332	2078.291	0.16%	95.11%
42.0	50.761	3.899	2082.19	0.15%	95.29%
43.0	46.679	3.609	2085.799	0.14%	95.45%
44.0	43.760	3.413	2089.213	0.13%	95.61%
45.0	41.368	3.272	2092.484	0.12%	95.76%
46.0	39.291	3.154	2095.639	0.12%	95.90%
47.0	37.586	3.058	2098.696	0.12%	96.04%
48.0	35.977	2.974	2101.67	0.11%	96.18%
49.0	34.536	2.896	2104.566	0.11%	96.31%
50.0	33.394	2.832	2107.398	0.11%	96.44%
51.0	32.297	2.779	2110.177	0.10%	96.57%
52.0	31.251	2.727	2112.904	0.10%	96.69%
53.0	30.337	2.679	2115.583	0.10%	96.81%
54.0	29.495	2.637	2118.22	0.10%	96.93%
55.0	28.713	2.598	2120.819	0.10%	97.05%
56.0	27.959	2.561	2123.38	0.10%	97.17%
57.0	27.293	2.526	2125.906	0.10%	97.29%
58.0	26.577	2.491	2128.397	0.09%	97.40%
59.0	25.955	2.456	2130.853	0.09%	97.51%
60.0	25.304	2.422	2133.275	0.09%	97.62%
61.0	24.667	2.385	2135.659	0.09%	97.73%
62.0	23.980	2.344	2138.003	0.09%	97.84%
63.0	23.380	2.303	2140.307	0.09%	97.95%
64.0	22.743	2.263	2142.57	0.09%	98.05%
65.0	22.107	2.220	2144.789	0.08%	98.15%
66.0	21.434	2.172	2146.962	0.08%	98.25%
67.0	20.812	2.124	2149.086	0.08%	98.35%
68.0	20.139	2.074	2151.161	0.08%	98.44%
69.0	19.568	2.026	2153.186	0.08%	98.53%
70.0	19.064	1.984	2155.17	0.07%	98.63%
71.0	18.735	1.954	2157.124	0.07%	98.72%
72.0	18.383	1.930	2159.054	0.07%	98.80%
73.0	17.966	1.901	2160.955	0.07%	98.89%
74.0	17.564	1.868	2162.823	0.07%	98.98%
75.0	17.103	1.832	2164.654	0.07%	99.06%

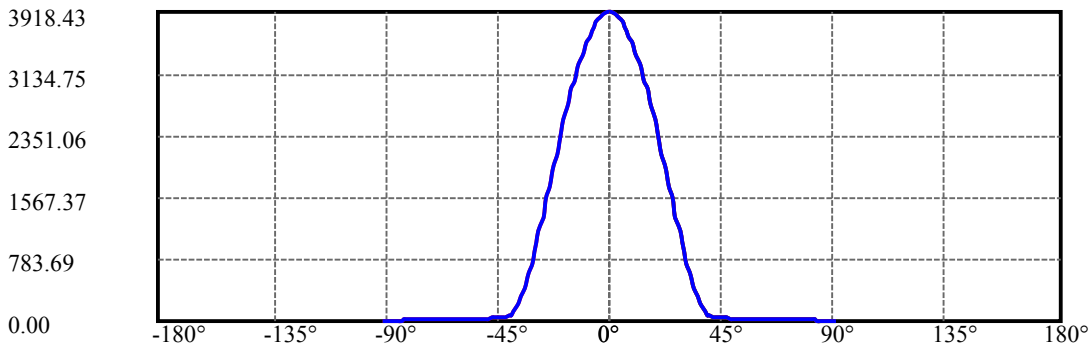
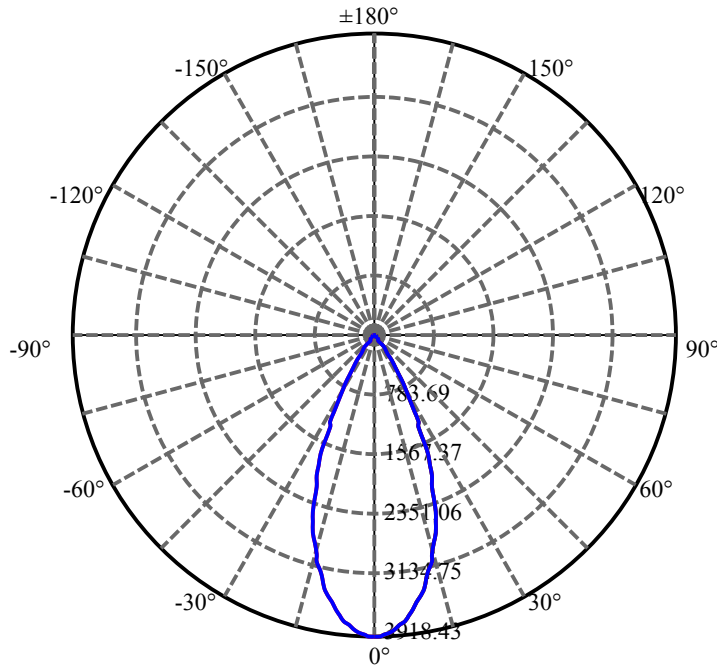
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.650	1.792	2166.446	0.07%	99.14%
77.0	16.211	1.752	2168.198	0.07%	99.22%
78.0	15.801	1.714	2169.912	0.06%	99.30%
79.0	15.216	1.667	2171.578	0.06%	99.38%
80.0	14.572	1.606	2173.184	0.06%	99.45%
81.0	13.680	1.528	2174.712	0.06%	99.52%
82.0	12.765	1.434	2176.146	0.05%	99.59%
83.0	12.107	1.352	2177.498	0.05%	99.65%
84.0	11.317	1.276	2178.774	0.05%	99.71%
85.0	10.505	1.191	2179.965	0.04%	99.76%
86.0	9.890	1.115	2181.08	0.04%	99.81%
87.0	9.583	1.066	2182.146	0.04%	99.86%
88.0	9.349	1.037	2183.183	0.04%	99.91%
89.0	9.173	1.015	2184.198	0.04%	99.95%
90.0	9.115	1.003	2185.201	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1852.25	69.98%	84.76%
0-40	2073.96	78.35%	94.91%
0-60	2133.27	80.59%	97.62%
0-90	2184.20	82.52%	99.95%
0-120	2184.20	82.52%	99.95%
0-180	2185.20	82.55%	100.00%
60-90	50.92	1.92%	2.33%
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%
0-28.03	1748.16	66.04%	80.00%

ZONAL LUMEN SUMMARY

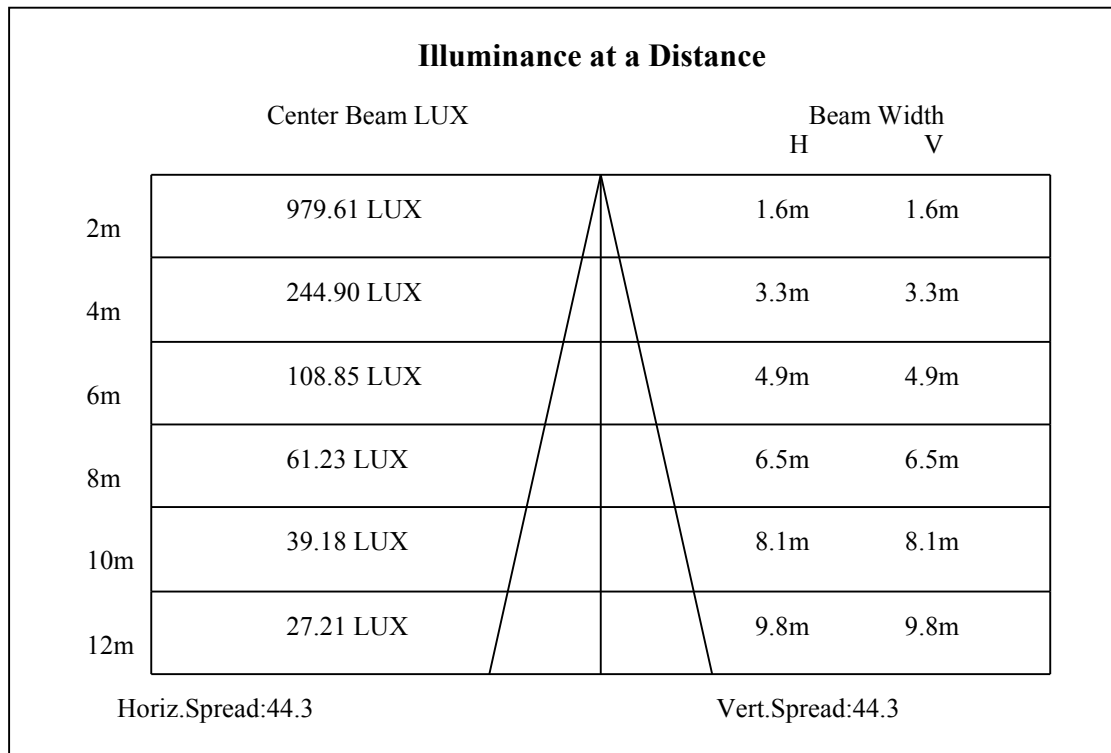
0-10	350.56
10-20	806.16
20-30	695.53
30-40	221.71
40-50	33.44
50-60	25.88
60-70	21.90
70-80	18.01
80-90	11.01
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

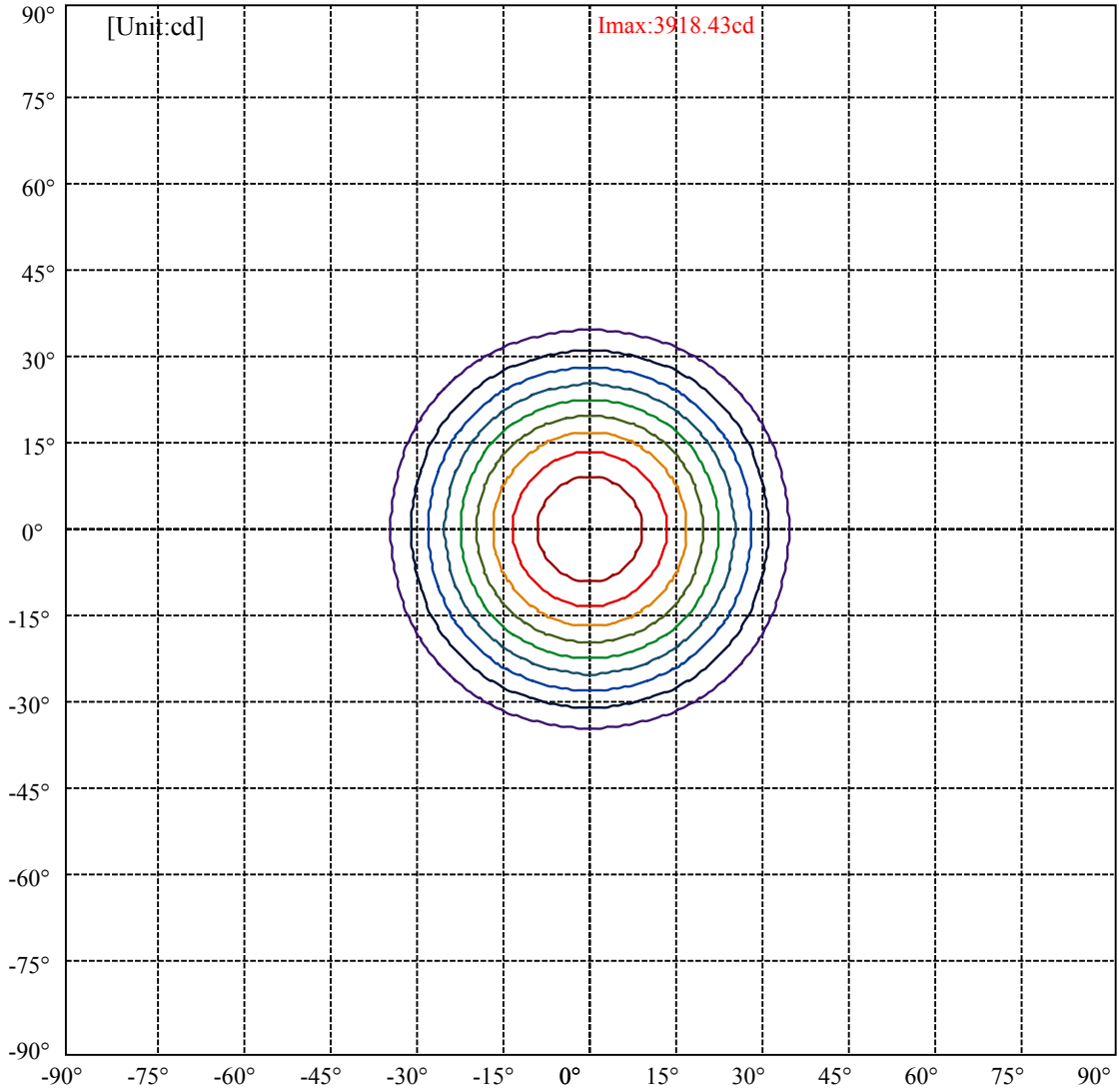


C0(Max): ———
C0/C180: ———
C90/C270: ———

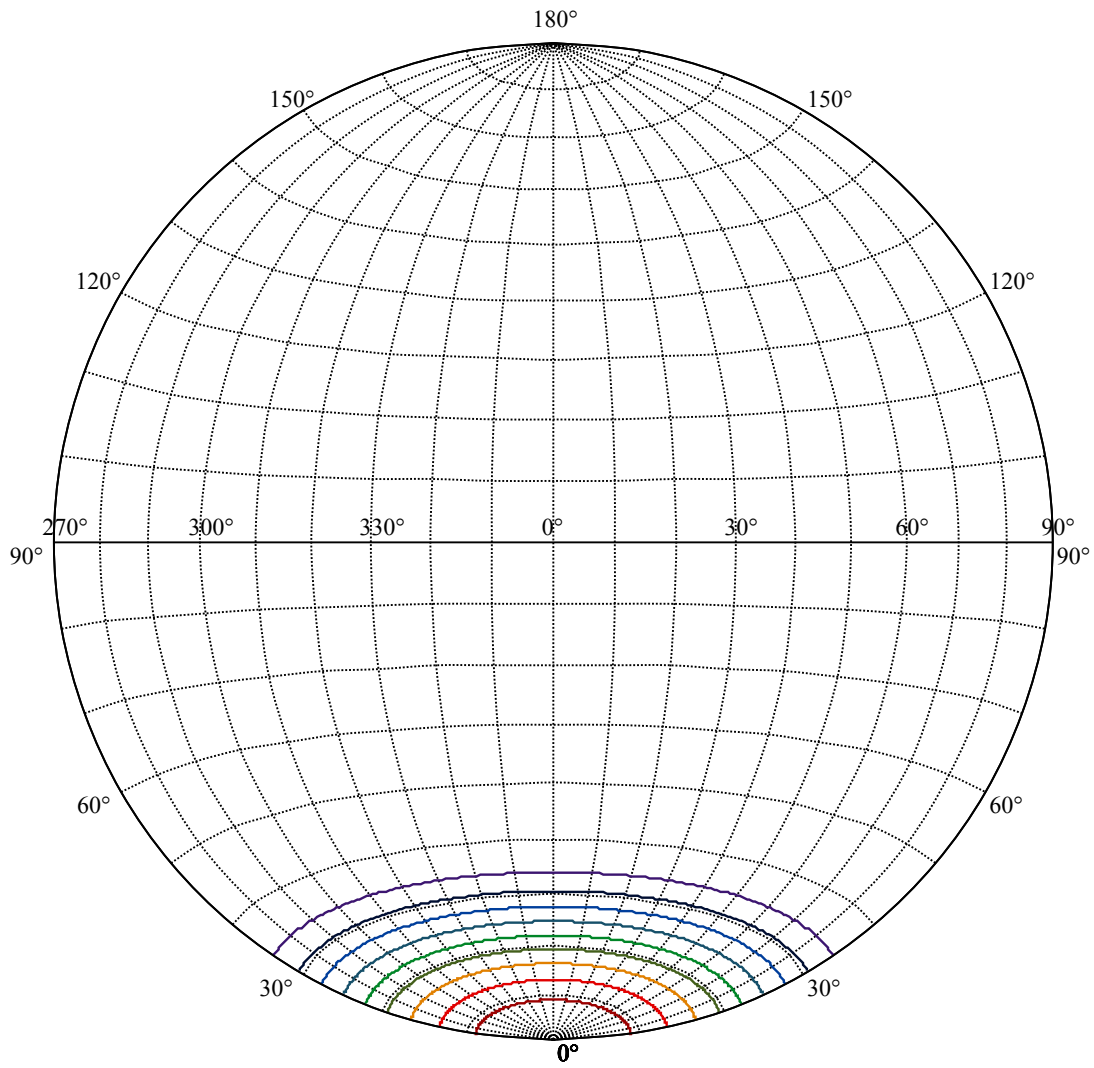
Field angle(10%Imax):C0/180Left:34.1 Right:34.1
:C90/270Left:34.1 Right:34.1

Beam Angle(50%Imax):C0/180Left:22.1 Right:22.1
:C90/270Left:22.1 Right:22.1





(10%Imax) 391.843	—
(20%Imax) 783.686	—
(30%Imax) 1175.53	—
(40%Imax) 1567.37	—
(50%Imax) 1959.22	—
(60%Imax) 2351.06	—
(70%Imax) 2742.9	—
(80%Imax) 3134.75	—
(90%Imax) 3526.59	—



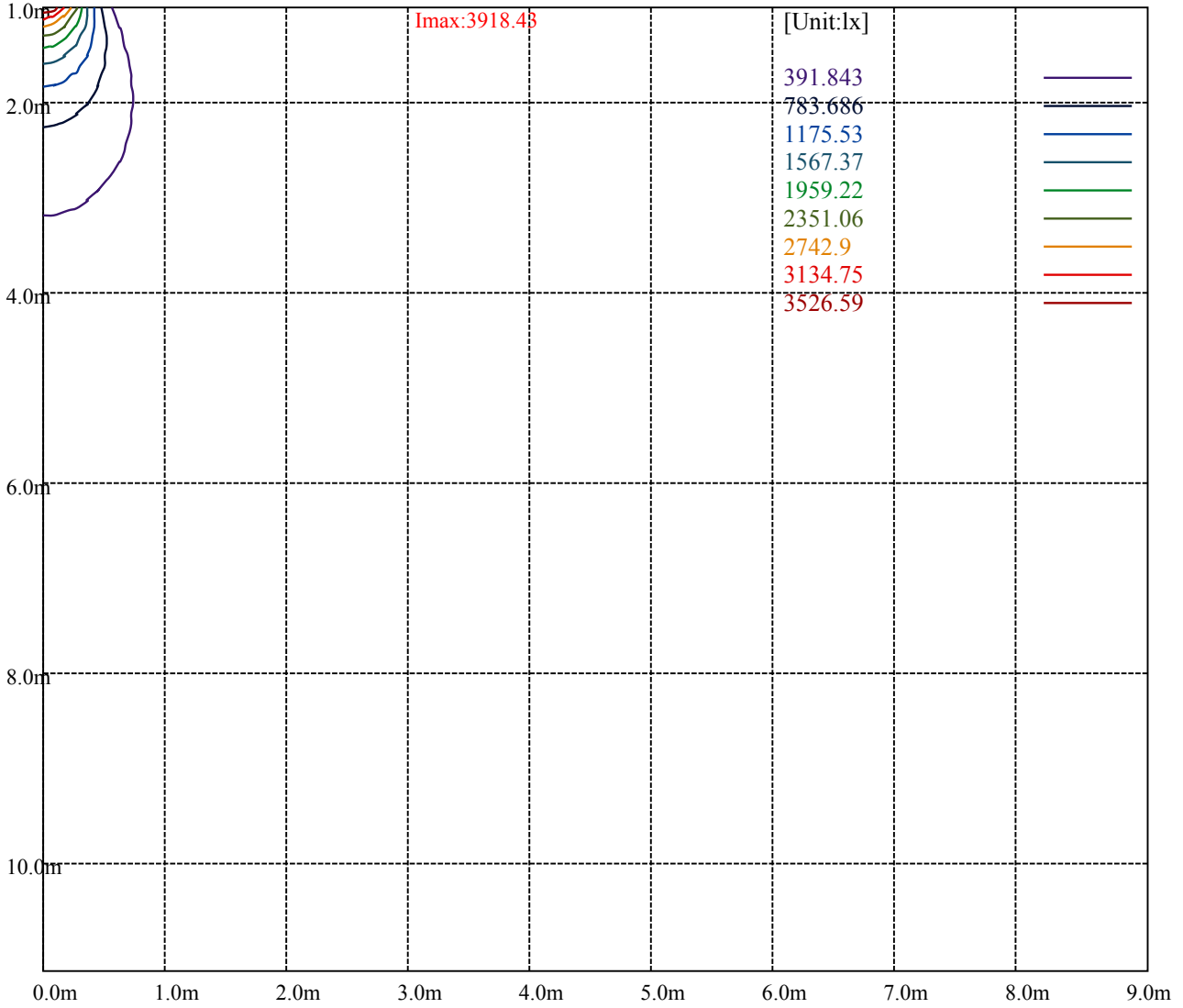
House

[Unit:cd]

Road

Imax:3918.43

(10%Imax)	391.843	—
(20%Imax)	783.686	—
(30%Imax)	1175.53	—
(40%Imax)	1567.37	—
(50%Imax)	1959.22	—
(60%Imax)	2351.06	—
(70%Imax)	2742.9	—
(80%Imax)	3134.75	—
(90%Imax)	3526.59	—



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

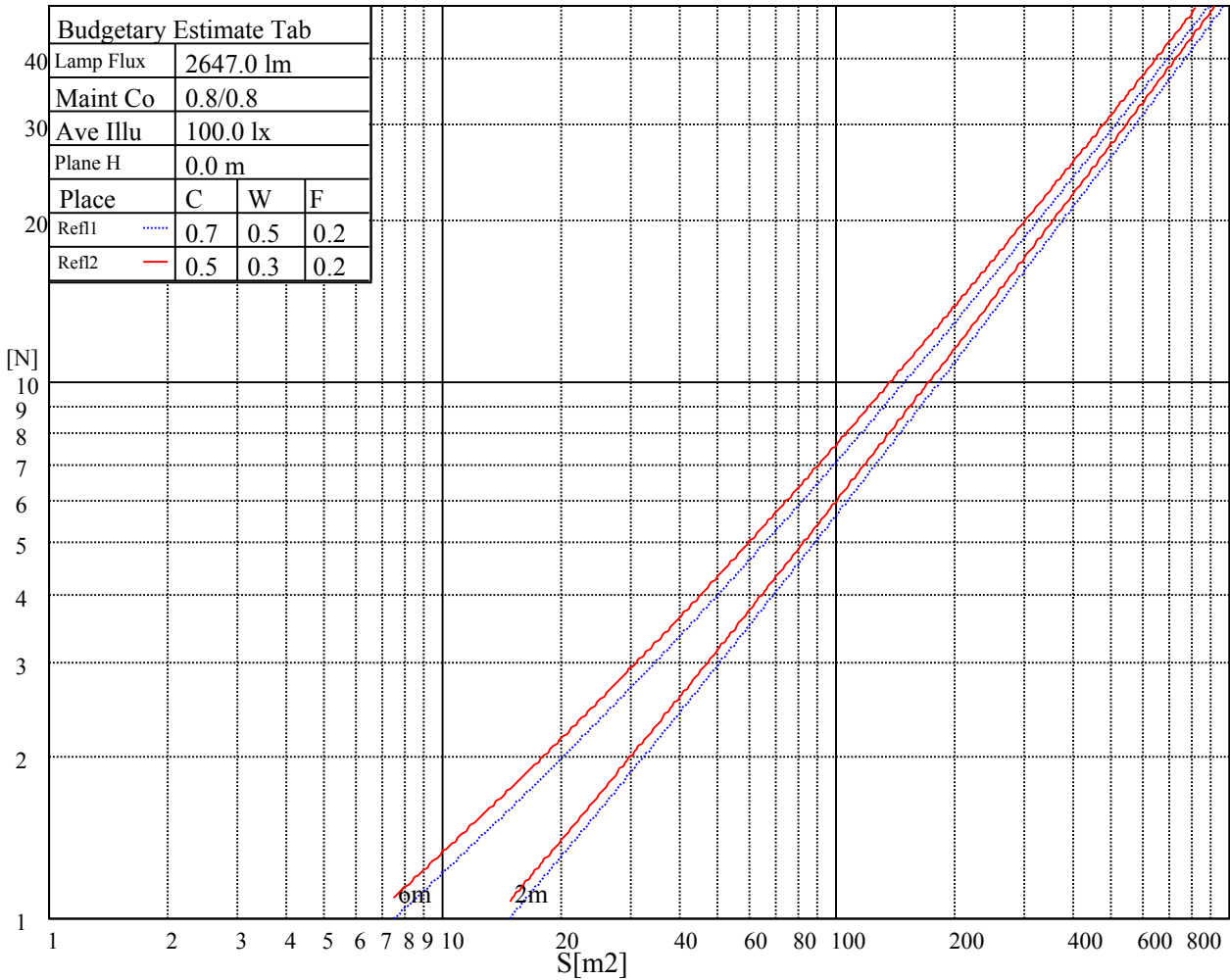
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

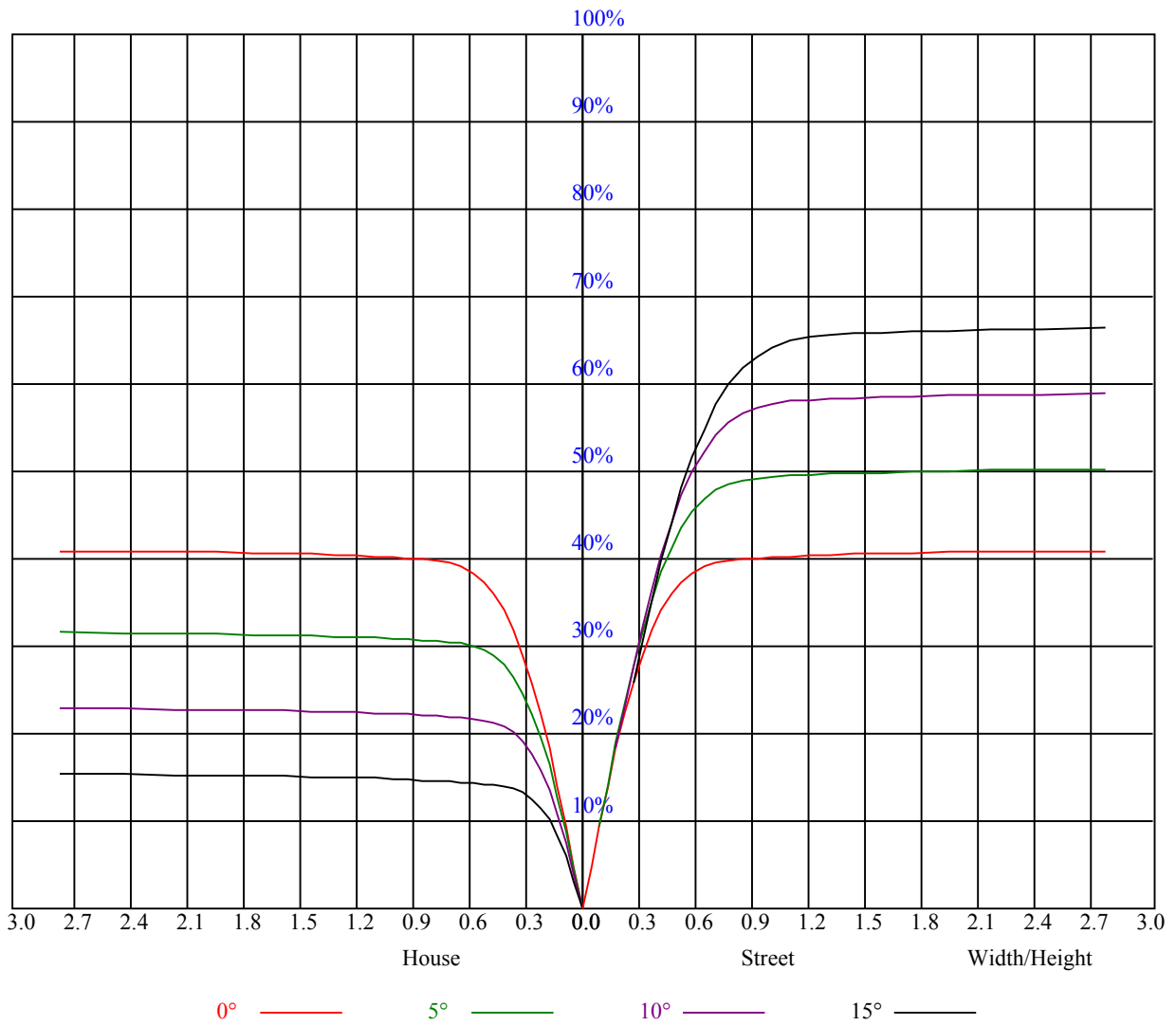


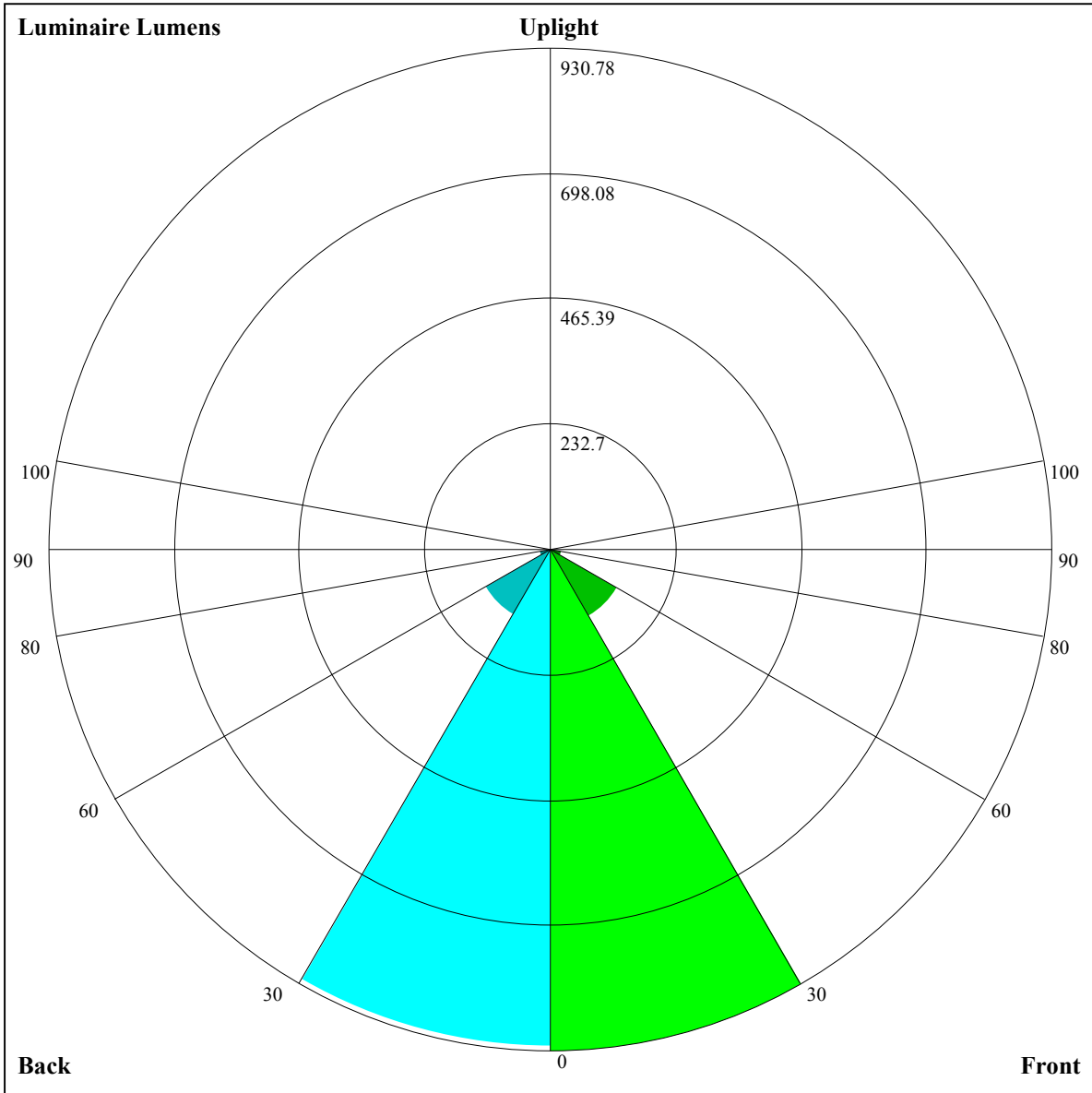
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	0.98	0.98	0.98	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.83
1	0.92	0.90	0.88	0.90	0.88	0.86	0.87	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.79	0.77
2	0.86	0.83	0.80	0.84	0.82	0.79	0.82	0.79	0.77	0.79	0.77	0.76	0.77	0.76	0.74	0.73
3	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
4	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.70	0.68	0.72	0.69	0.67	0.71	0.68	0.66	0.65
5	0.72	0.68	0.65	0.72	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
6	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.58
7	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.56
8	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.54	0.60	0.57	0.54	0.59	0.56	0.54	0.53
9	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.54	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.51
10	0.57	0.53	0.50	0.56	0.52	0.50	0.56	0.52	0.49	0.55	0.52	0.49	0.55	0.52	0.49	0.48





Luminaire Lumens:

FL=930.78,FM=144.35,FH=19.93,FVH=6.03

BL=923.66,BM=139.2,BH=19.88,BVH=6.03

UL=0,UH=0

BUG Rating:B2-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	3918.14	3911.70	3898.24	3864.88	3829.77	3778.86	3725.02	3666.49	3601.53
45.0	3918.14	3918.73	3915.21	3897.07	3873.08	3842.06	3788.81	3736.72	3679.37
90.0	3922.24	3915.21	3892.39	3862.54	3823.92	3767.15	3721.50	3661.23	3598.61
135.0	3915.21	3914.04	3904.68	3880.10	3850.25	3819.82	3773.00	3717.99	3643.67
180.0	3918.14	3921.07	3908.78	3877.17	3844.99	3804.02	3743.16	3682.29	3600.95
225.0	3918.14	3900.58	3874.83	3835.04	3797.00	3747.84	3676.44	3606.80	3539.50
270.0	3922.24	3918.73	3908.19	3887.12	3846.74	3808.70	3756.62	3700.44	3620.85
315.0	3915.21	3904.68	3883.03	3847.91	3811.04	3747.84	3695.75	3618.50	3548.86
360.0	3918.14	3911.70	3898.24	3864.88	3829.77	3778.86	3725.02	3666.49	3601.53
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3514.33	3435.33	3347.55	3235.77	3142.72	3011.63	2907.46	2795.09	2673.95
45.0	3598.61	3527.79	3449.37	3344.62	3258.01	3161.44	3061.37	2927.35	2807.97
90.0	3505.56	3427.72	3340.52	3248.06	3154.42	3026.84	2917.41	2775.78	2653.47
135.0	3587.49	3490.34	3409.58	3303.65	3212.94	3115.80	3012.21	2874.68	2763.49
180.0	3528.97	3445.86	3365.69	3250.98	3153.84	3057.27	2951.35	2817.92	2701.46
225.0	3440.01	3356.32	3264.44	3149.74	3047.91	2915.65	2808.55	2686.83	2567.44
270.0	3552.96	3474.54	3394.95	3286.10	3191.29	3094.73	2967.73	2861.22	2748.28
315.0	3471.03	3373.30	3287.27	3192.46	3101.17	2971.83	2862.98	2747.69	2625.38
360.0	3514.33	3435.33	3347.55	3235.77	3142.72	3011.63	2907.46	2795.09	2673.95
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2516.53	2387.78	2250.25	2113.31	1945.93	1818.94	1693.11	1567.88	1162.73
45.0	2692.68	2564.51	2404.75	2268.98	2127.94	1964.07	1832.98	1682.58	1553.25
90.0	2525.30	2359.69	2217.48	2082.29	1948.27	1789.09	1662.10	1536.86	1167.11
135.0	2642.93	2516.53	2352.66	2212.21	2075.85	1945.35	1784.99	1658.00	1527.50
180.0	2576.22	2445.13	2270.73	2133.79	1969.93	1843.52	1714.77	1558.51	1428.01
225.0	2398.90	2263.71	2120.91	1987.48	1826.55	1703.06	1574.90	1312.72	1141.89
270.0	2595.53	2459.17	2288.29	2152.52	2021.43	1890.34	1725.89	1602.99	1480.68
315.0	2462.69	2333.35	2191.73	2020.26	1889.16	1766.27	1608.84	1482.43	1154.06
360.0	2516.53	2387.78	2250.25	2113.31	1945.93	1818.94	1693.11	1567.88	1162.73
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1162.73	1129.48	968.96	851.15	706.02	597.69	494.57	401.58	299.64
45.0	1419.81	1283.46	1119.01	992.01	873.21	755.58	618.64	516.81	421.42
90.0	1167.11	1099.46	972.35	846.65	701.98	591.49	463.56	369.10	286.41
135.0	1355.44	1215.57	1048.78	923.54	805.33	687.11	554.85	454.78	365.24
180.0	1287.55	1158.22	994.36	864.44	751.49	632.69	502.77	410.30	325.44
225.0	1141.89	978.61	855.72	734.28	594.88	489.77	394.85	312.22	221.74
270.0	1341.39	1210.89	1048.20	911.84	788.94	638.54	530.86	405.03	319.01
315.0	1154.06	1054.69	929.04	806.62	656.45	548.82	447.70	358.86	261.71
360.0	1162.73	1129.48	968.96	851.15	706.02	597.69	494.57	401.58	299.64
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	227.54	165.97	116.58	77.37	63.85	56.77	51.50	47.11	43.89
45.0	314.91	295.01	295.01	108.56	78.77	63.32	54.48	49.33	45.88
90.0	196.11	137.41	95.27	68.12	59.22	52.85	48.22	44.07	41.61
135.0	303.21	303.21	133.96	93.81	70.52	59.28	53.08	47.64	44.54
180.0	306.72	218.46	115.58	76.96	63.91	57.00	50.15	46.58	43.83
225.0	161.35	114.53	83.57	64.96	57.76	51.91	46.94	44.01	41.73
270.0	299.11	212.03	112.19	83.16	67.42	57.88	52.26	48.34	45.24
315.0	195.58	140.51	92.41	70.87	59.34	53.37	49.45	46.35	43.37
360.0	227.54	165.97	116.58	77.37	63.85	56.77	51.50	47.11	43.89

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	41.61	39.85	38.22	36.40	35.17	34.00	32.66	31.72	30.84
45.0	42.66	40.56	38.74	37.16	35.35	34.12	33.07	32.07	30.96
90.0	39.50	37.75	35.82	34.53	33.07	32.07	31.19	30.14	29.32
135.0	42.14	39.50	37.75	36.28	34.65	33.47	32.42	31.54	30.49
180.0	41.55	39.21	37.57	36.11	34.53	33.42	32.42	31.25	30.43
225.0	39.33	37.57	36.11	34.53	33.36	32.30	31.37	30.20	29.44
270.0	42.78	40.26	38.45	36.52	35.17	33.94	32.54	31.54	30.61
315.0	41.38	39.62	38.04	36.28	35.00	33.83	32.71	31.54	30.61
360.0	41.61	39.85	38.22	36.40	35.17	34.00	32.66	31.72	30.84
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	30.02	29.20	28.15	27.51	26.80	26.10	25.46	24.70	24.11
45.0	30.14	29.20	28.50	27.86	27.04	26.39	25.75	25.05	24.23
90.0	28.56	27.86	27.10	26.45	25.87	25.28	24.58	24.05	23.47
135.0	29.73	29.03	28.38	27.62	26.98	26.28	25.63	25.05	24.29
180.0	29.67	28.79	28.15	27.56	26.80	26.22	25.63	25.05	24.29
225.0	28.73	28.03	27.21	26.63	25.87	25.28	24.70	23.94	23.29
270.0	29.55	28.79	28.09	27.45	26.63	26.04	25.46	24.87	24.17
315.0	29.55	28.79	28.09	27.27	26.63	26.04	25.22	24.64	23.99
360.0	30.02	29.20	28.15	27.51	26.80	26.10	25.46	24.70	24.11
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.53	22.77	22.12	21.48	20.89	20.13	19.84	19.90	20.19
45.0	23.70	23.17	22.53	21.83	21.24	20.60	19.84	19.20	18.61
90.0	22.77	22.18	21.59	20.89	20.31	19.61	19.02	18.38	17.85
135.0	23.76	23.23	22.65	21.95	21.36	20.78	20.19	19.43	18.96
180.0	23.64	23.00	22.41	21.59	21.01	20.42	19.78	19.66	19.90
225.0	22.71	22.00	21.36	20.78	20.13	19.37	18.79	18.20	17.62
270.0	23.58	23.00	22.24	21.59	20.83	20.19	19.61	18.90	18.38
315.0	23.35	22.59	21.95	21.36	20.72	20.01	19.49	18.84	18.38
360.0	23.53	22.77	22.12	21.48	20.89	20.13	19.84	19.90	20.19
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.66	20.48	19.90	18.90	18.02	17.26	16.33	15.68	14.92
45.0	17.85	17.26	16.62	15.80	15.27	14.81	14.40	13.99	13.64
90.0	17.21	17.15	17.44	17.67	17.56	17.38	17.09	16.33	15.04
135.0	18.43	18.02	17.97	18.14	18.02	17.85	17.91	17.44	16.56
180.0	20.19	19.90	19.25	18.14	17.26	16.39	15.68	14.81	14.16
225.0	16.91	16.21	15.68	15.10	14.69	14.22	13.93	13.58	13.28
270.0	17.85	17.26	16.50	16.21	15.92	15.63	15.33	14.81	14.40
315.0	17.97	17.44	17.15	16.85	16.44	16.15	15.74	15.10	14.57
360.0	20.66	20.48	19.90	18.90	18.02	17.26	16.33	15.68	14.92
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.64	12.87	12.17	11.18	10.36	9.89	9.60	9.31	9.13
45.0	13.28	12.82	12.47	11.94	11.24	10.48	9.83	9.48	9.31
90.0	13.69	12.29	11.94	11.35	10.42	9.77	9.54	9.36	9.13
135.0	15.68	13.64	12.52	12.00	11.06	10.18	9.66	9.48	9.25
180.0	13.58	12.99	12.41	11.47	10.42	9.71	9.54	9.36	9.13
225.0	12.82	12.17	11.53	10.42	9.83	9.60	9.42	9.19	9.13
270.0	13.28	12.82	12.11	11.41	10.53	9.83	9.60	9.36	9.19
315.0	13.46	12.52	11.70	10.77	10.18	9.66	9.48	9.25	9.13
360.0	13.64	12.87	12.17	11.18	10.36	9.89	9.60	9.31	9.13

Intensity data(cd)

C/ γ (°)	90.0
0.0	9.13
45.0	9.13
90.0	9.13
135.0	9.13
180.0	9.07
225.0	9.13
270.0	9.13
315.0	9.07
360.0	9.13