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NT

Client:

LumCAT: 3-2808-L

Luminaire: 92.70.411.00

Report No: 2024417-B008

Ballast type: AC

Test No: 2024417-C008

Voltage(V): 33.800

LampCAT: NICHIA NFCWJ108B-V3

Current(A): 0.577

Lamp flux(lm): 2629.0

Power (W): 19.502

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2182.19, Efficiency(%): 83.00% , Luminous Efficacy(lm/W): 111.90

Central intensity(cd): 4115.507, Maximum intensity(cd): 4115.507

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

Beam Angle(50%Imax): [C0/180]Total=42.8

[C90/270]Total=42.8

Field angle(10%Imax): [C0/180]Total=66.2

[C90/270]Total=66.2

Maximum s/h(1/2): C0\_180=0.69 C90\_270=0.69

Maximum s/h(1/4): C0\_180=0.66 C90\_270=0.66

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.00%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.165%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/4/17  
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	4115.507	0.000	0	0.00%	0.00%
1.0	4114.337	3.938	3.938	0.15%	0.18%
2.0	4102.778	11.794	15.732	0.45%	0.72%
3.0	4084.271	19.581	35.313	0.74%	1.62%
4.0	4050.986	27.231	62.544	1.04%	2.87%
5.0	4013.970	34.695	97.239	1.32%	4.46%
6.0	3968.103	41.948	139.187	1.60%	6.38%
7.0	3912.214	48.913	188.1	1.86%	8.62%
8.0	3851.644	55.564	243.664	2.11%	11.17%
9.0	3775.491	61.814	305.478	2.35%	14.00%
10.0	3687.561	67.538	373.016	2.57%	17.09%
11.0	3590.121	72.719	445.735	2.77%	20.43%
12.0	3478.197	77.267	523.002	2.94%	23.97%
13.0	3350.911	81.044	604.046	3.08%	27.68%
14.0	3216.455	84.062	688.108	3.20%	31.53%
15.0	3085.292	86.513	774.621	3.29%	35.50%
16.0	2936.498	88.236	862.857	3.36%	39.54%
17.0	2785.510	89.107	951.964	3.39%	43.62%
18.0	2620.403	89.132	1041.096	3.39%	47.71%
19.0	2453.980	88.284	1129.38	3.36%	51.75%
20.0	2284.265	86.723	1216.103	3.30%	55.73%
21.0	2120.987	84.590	1300.693	3.22%	59.60%
22.0	1948.053	81.769	1382.462	3.11%	63.35%
23.0	1792.895	78.495	1460.957	2.99%	66.95%
24.0	1643.882	75.140	1536.097	2.86%	70.39%
25.0	1398.242	69.171	1605.268	2.63%	73.56%
26.0	1287.144	63.389	1668.657	2.41%	76.47%
27.0	1185.483	60.493	1729.151	2.30%	79.24%
28.0	1038.730	56.312	1785.463	2.14%	81.82%
29.0	901.963	50.774	1836.237	1.93%	84.15%
30.0	769.359	45.125	1881.362	1.72%	86.21%
31.0	642.994	39.304	1920.666	1.50%	88.02%
32.0	530.565	33.621	1954.287	1.28%	89.56%
33.0	417.946	27.943	1982.231	1.06%	90.84%
34.0	319.921	22.330	2004.561	0.85%	91.86%
35.0	246.848	17.602	2022.162	0.67%	92.67%
36.0	215.575	14.724	2036.886	0.56%	93.34%
37.0	109.766	10.611	2047.497	0.40%	93.83%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	79.013	6.301	2053.798	0.24%	94.12%
39.0	65.969	4.949	2058.747	0.19%	94.34%
40.0	58.537	4.342	2063.089	0.17%	94.54%
41.0	53.234	3.980	2067.069	0.15%	94.72%
42.0	48.947	3.712	2070.781	0.14%	94.89%
43.0	45.823	3.511	2074.292	0.13%	95.06%
44.0	42.963	3.351	2077.643	0.13%	95.21%
45.0	40.461	3.206	2080.849	0.12%	95.36%
46.0	38.259	3.079	2083.928	0.12%	95.50%
47.0	36.247	2.963	2086.891	0.11%	95.63%
48.0	34.484	2.859	2089.75	0.11%	95.76%
49.0	32.985	2.771	2092.521	0.11%	95.89%
50.0	31.588	2.692	2095.213	0.10%	96.01%
51.0	30.380	2.622	2097.835	0.10%	96.13%
52.0	29.422	2.566	2100.401	0.10%	96.25%
53.0	28.610	2.524	2102.926	0.10%	96.37%
54.0	27.893	2.490	2105.416	0.09%	96.48%
55.0	27.330	2.465	2107.881	0.09%	96.59%
56.0	26.979	2.454	2110.335	0.09%	96.71%
57.0	26.833	2.460	2112.796	0.09%	96.82%
58.0	26.803	2.480	2115.276	0.09%	96.93%
59.0	26.825	2.507	2117.783	0.10%	97.05%
60.0	26.825	2.535	2120.318	0.10%	97.16%
61.0	26.767	2.558	2122.875	0.10%	97.28%
62.0	26.650	2.574	2125.449	0.10%	97.40%
63.0	26.364	2.578	2128.027	0.10%	97.52%
64.0	26.028	2.571	2130.598	0.10%	97.64%
65.0	25.530	2.552	2133.15	0.10%	97.75%
66.0	24.843	2.513	2135.663	0.10%	97.87%
67.0	24.082	2.460	2138.123	0.09%	97.98%
68.0	23.314	2.401	2140.524	0.09%	98.09%
69.0	22.882	2.357	2142.881	0.09%	98.20%
70.0	22.699	2.341	2145.222	0.09%	98.31%
71.0	22.699	2.346	2147.568	0.09%	98.41%
72.0	22.948	2.374	2149.942	0.09%	98.52%
73.0	23.248	2.416	2152.358	0.09%	98.63%
74.0	23.541	2.460	2154.817	0.09%	98.75%
75.0	23.519	2.486	2157.304	0.09%	98.86%

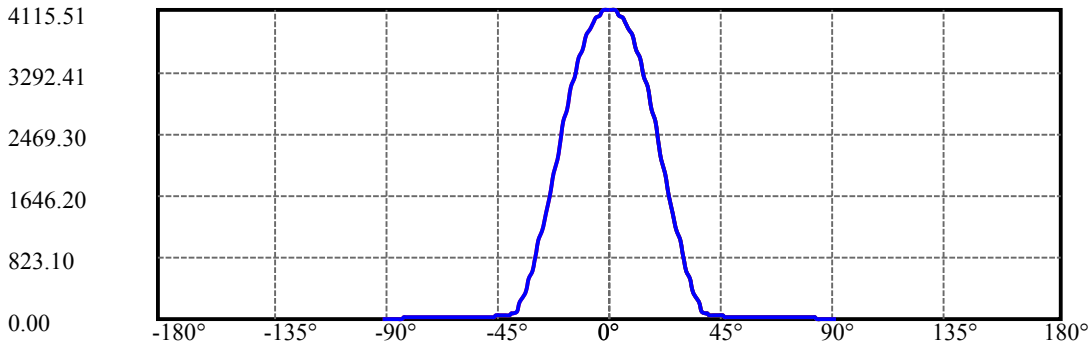
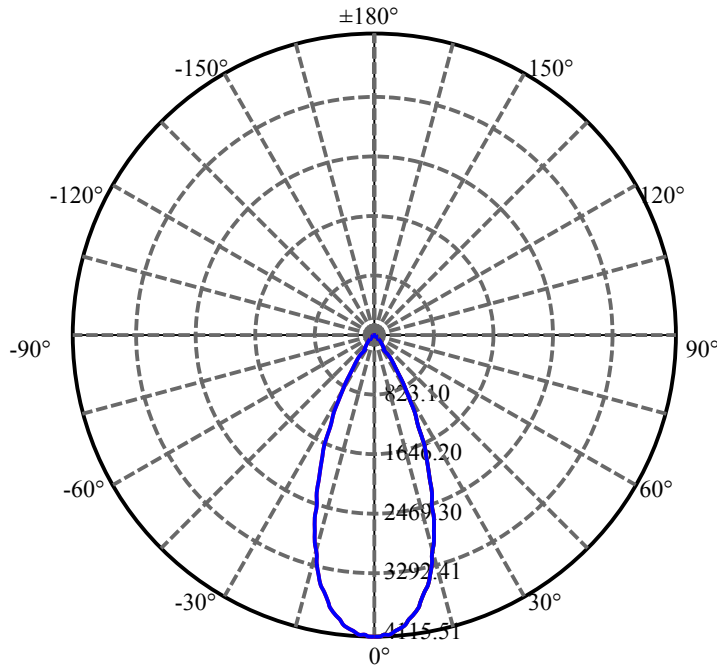
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	23.358	2.488	2159.792	0.09%	98.97%
77.0	23.007	2.472	2162.264	0.09%	99.09%
78.0	22.429	2.432	2164.696	0.09%	99.20%
79.0	21.310	2.350	2167.046	0.09%	99.31%
80.0	19.715	2.212	2169.258	0.08%	99.41%
81.0	17.359	2.005	2171.263	0.08%	99.50%
82.0	14.470	1.726	2172.989	0.07%	99.58%
83.0	12.180	1.449	2174.438	0.06%	99.64%
84.0	11.112	1.269	2175.707	0.05%	99.70%
85.0	10.497	1.179	2176.886	0.04%	99.76%
86.0	10.051	1.123	2178.009	0.04%	99.81%
87.0	9.700	1.081	2179.09	0.04%	99.86%
88.0	9.473	1.050	2180.141	0.04%	99.91%
89.0	9.320	1.030	2181.171	0.04%	99.95%
90.0	9.298	1.021	2182.191	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1881.36	71.56%	86.21%
0-40	2063.09	78.47%	94.54%
0-60	2120.32	80.65%	97.16%
0-90	2181.17	82.97%	99.95%
0-120	2181.17	82.97%	99.95%
0-180	2182.19	83.00%	100.00%
60-90	60.85	2.31%	2.79%
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%
0-27.29	1745.75	66.40%	80.00%

ZONAL LUMEN SUMMARY

0-10	373.02
10-20	843.09
20-30	665.26
30-40	181.73
40-50	32.12
50-60	25.10
60-70	24.90
70-80	24.04
80-90	11.91
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: —————

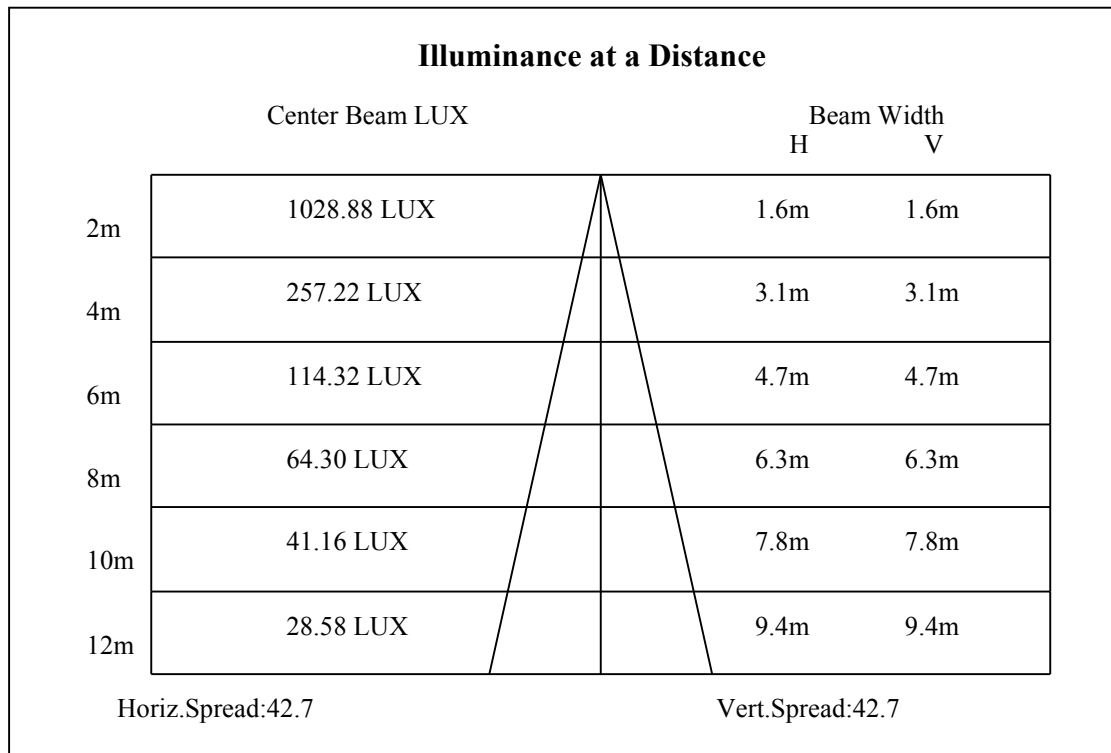
C90/C270: —————

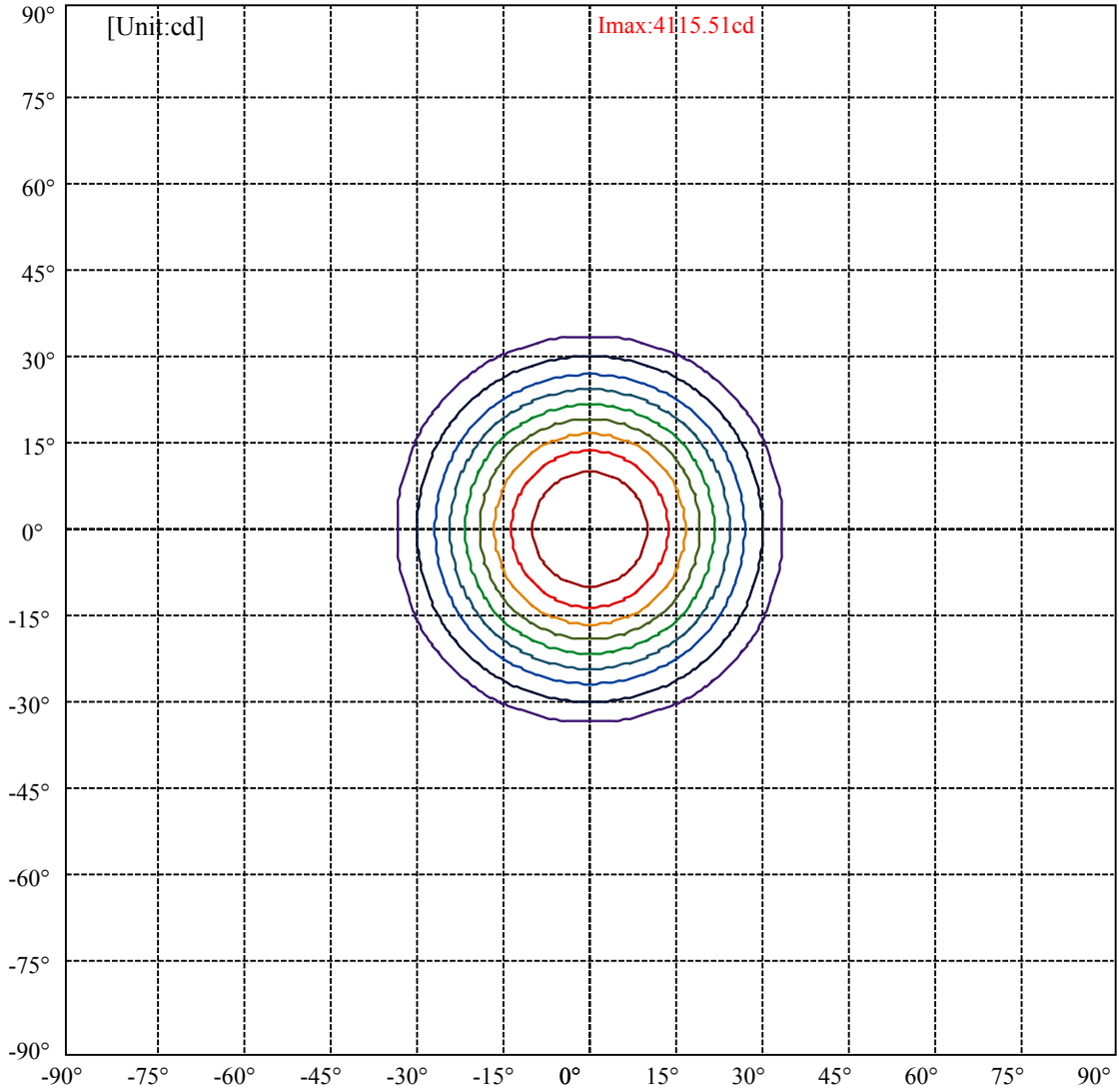
Field angle(10%Imax):C0/180Left:33.1 Right:33.1

:C90/270Left:33.1 Right:33.1

Beam Angle(50%Imax):C0/180Left:21.4 Right:21.4

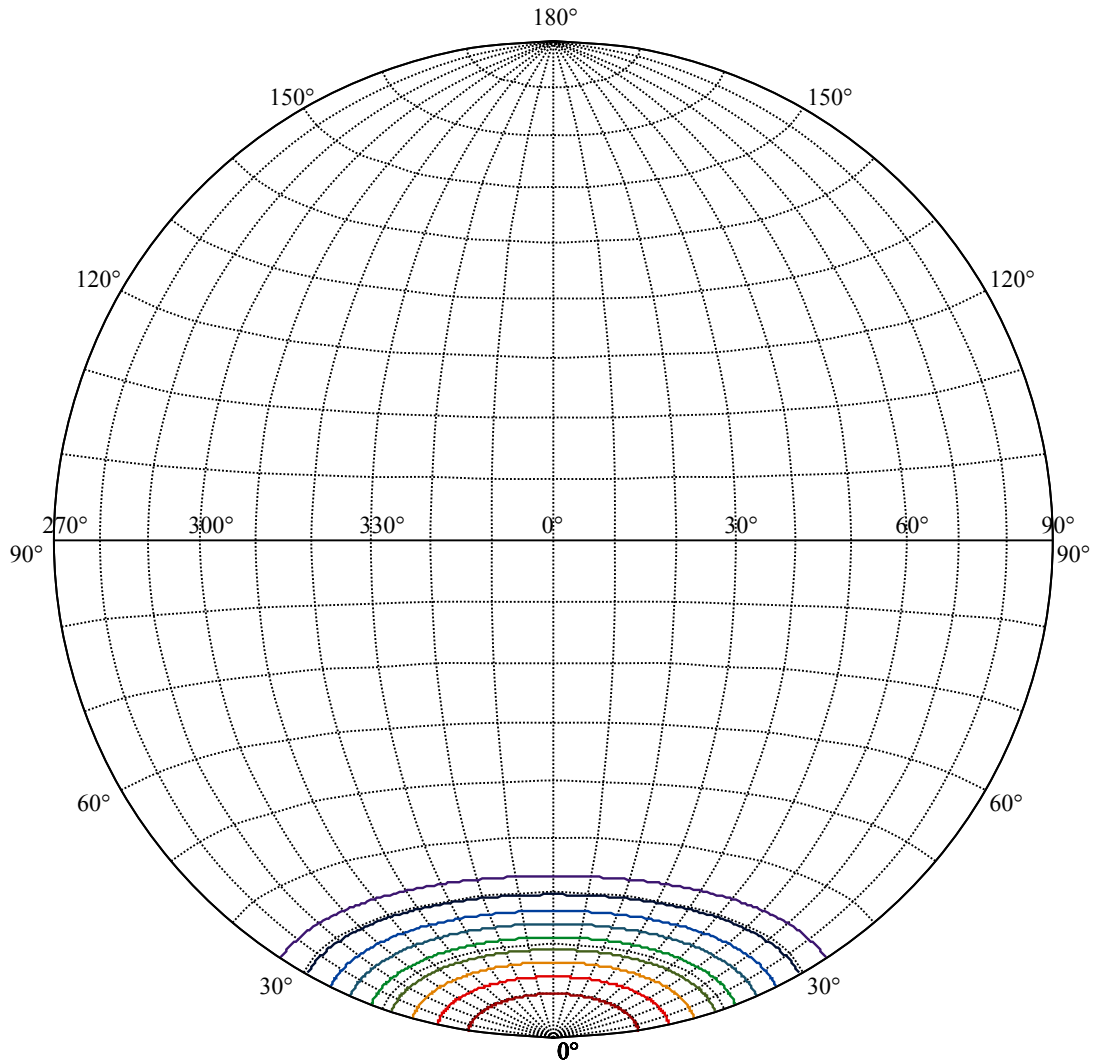
:C90/270Left:21.4 Right:21.4





(10%Imax) 411.551	—
(20%Imax) 823.101	—
(30%Imax) 1234.65	—
(40%Imax) 1646.2	—
(50%Imax) 2057.75	—
(60%Imax) 2469.3	—
(70%Imax) 2880.86	—
(80%Imax) 3292.41	—
(90%Imax) 3703.96	—





House

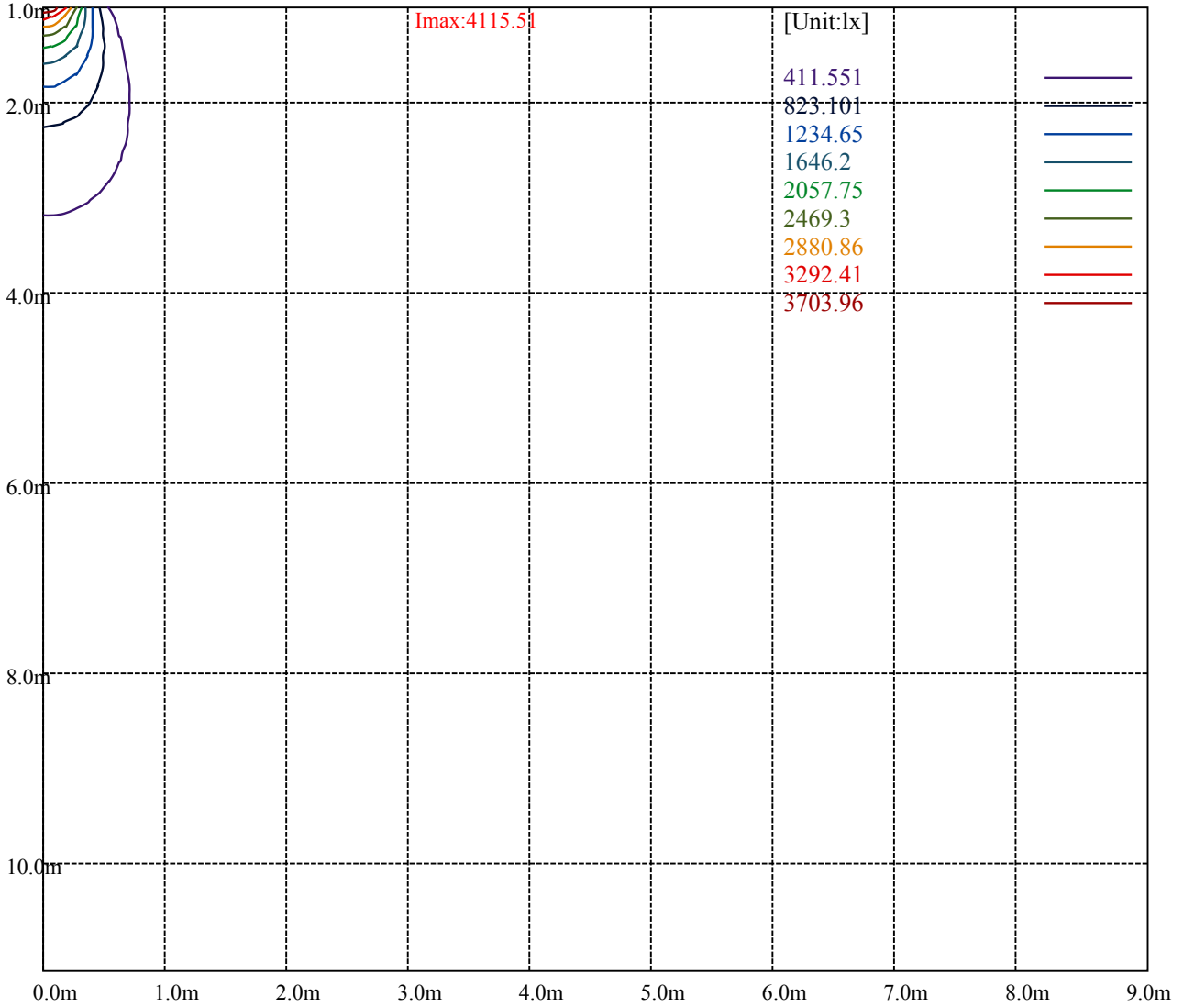
[Unit:cd]

Road

Imax:4115.51

(10%Imax)	411.551	—
(20%Imax)	823.101	—
(30%Imax)	1234.65	—
(40%Imax)	1646.2	—
(50%Imax)	2057.75	—
(60%Imax)	2469.3	—
(70%Imax)	2880.86	—
(80%Imax)	3292.41	—
(90%Imax)	3703.96	—





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

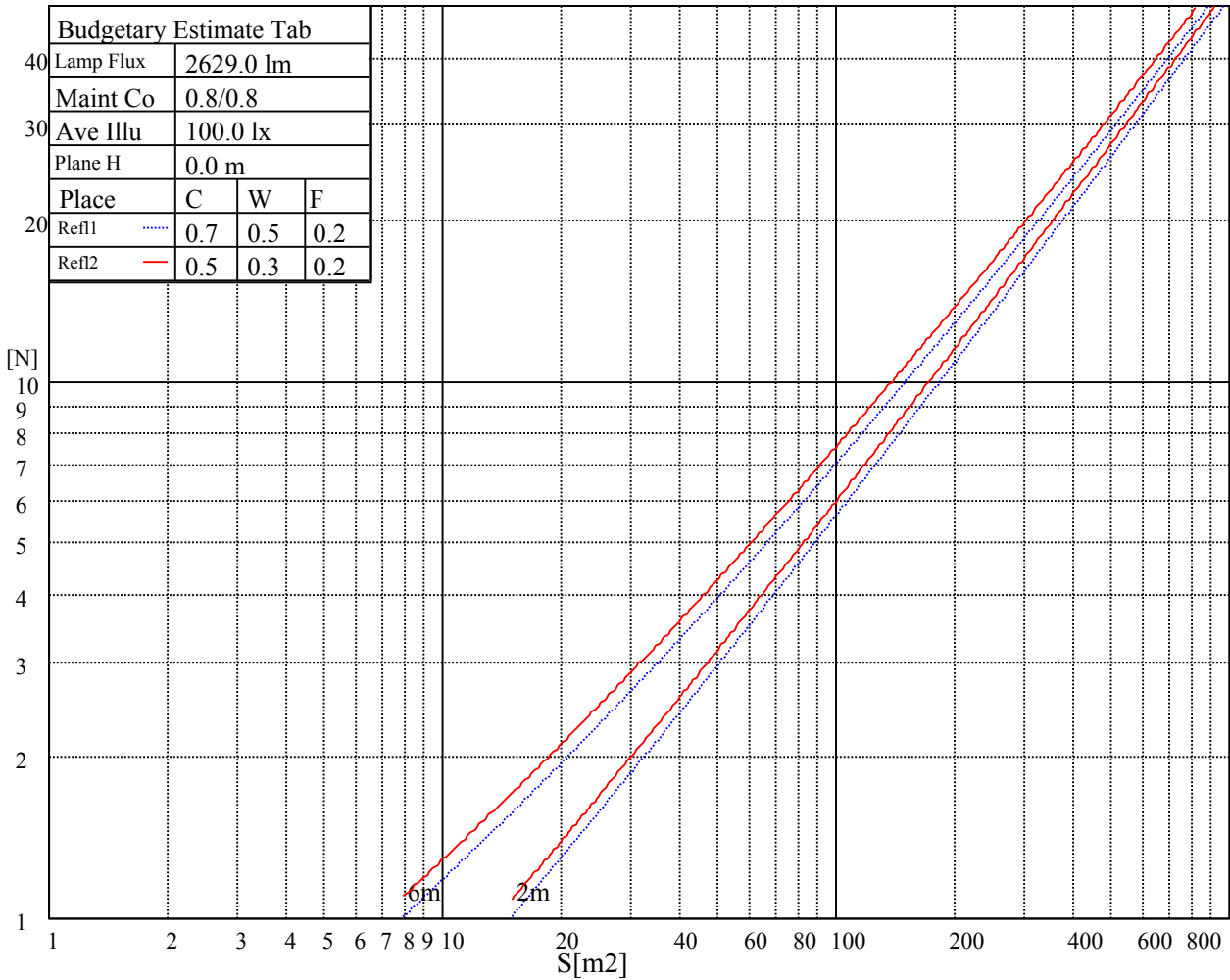
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

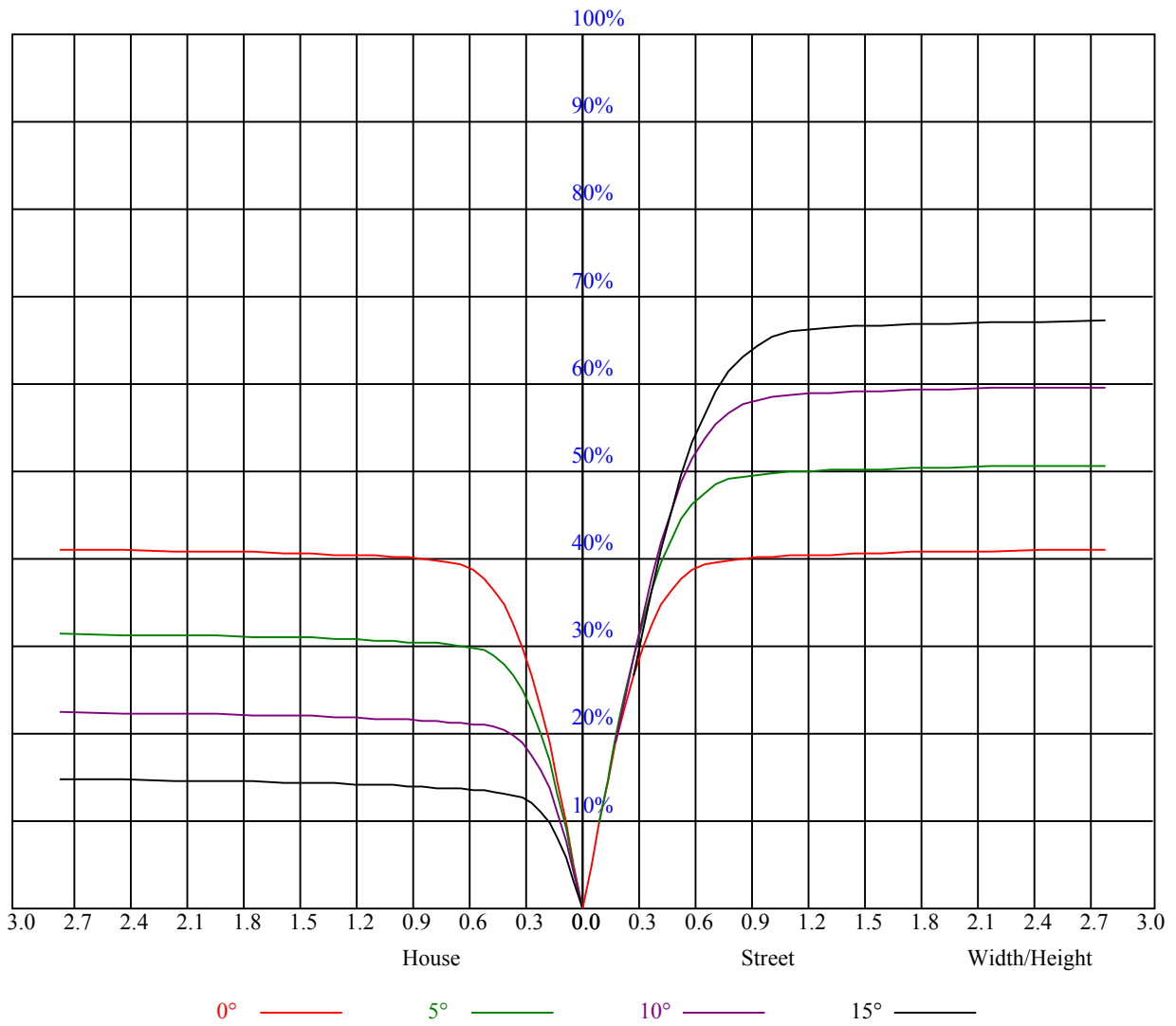


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	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	
8H	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				

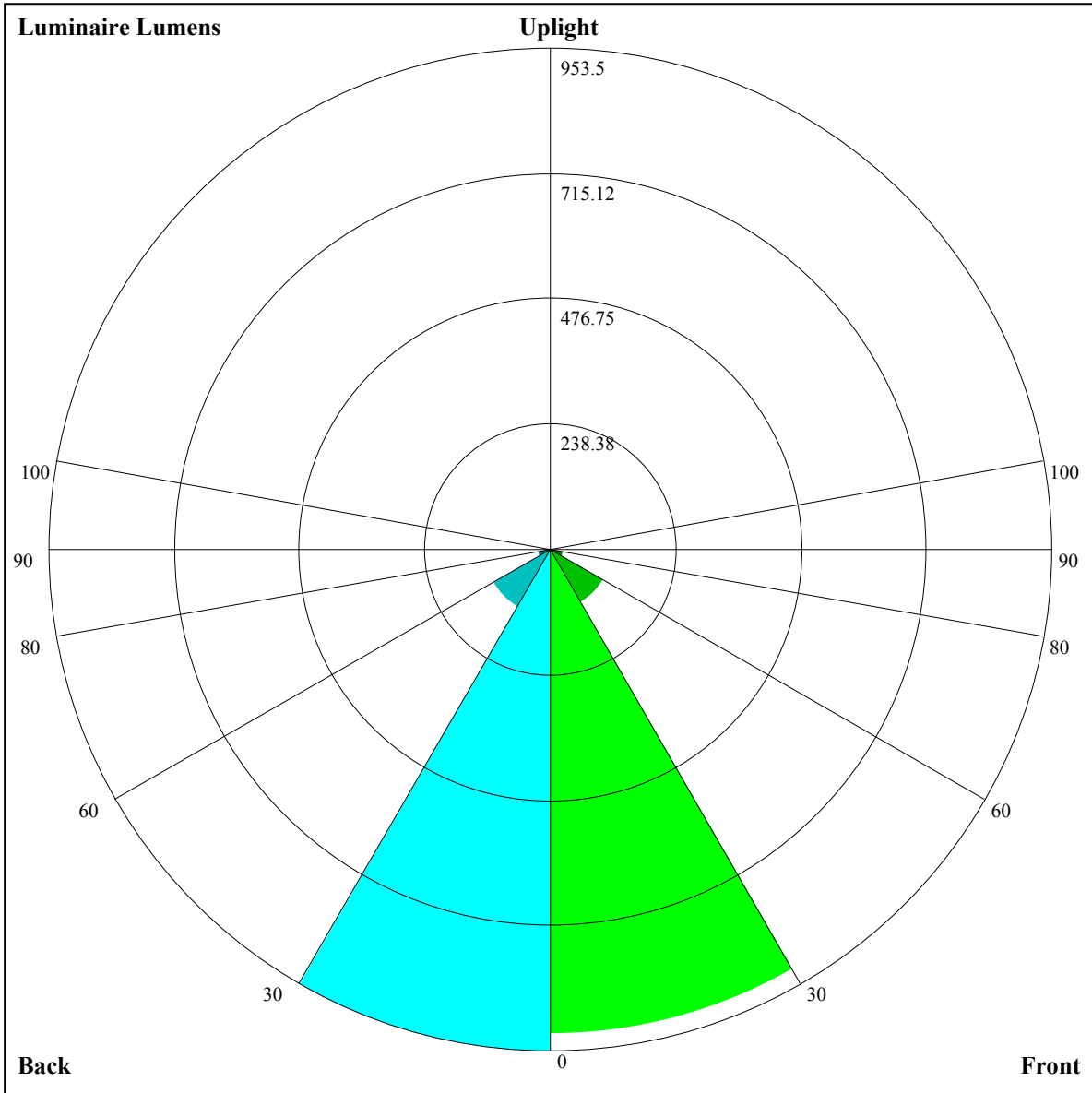
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	0.99	0.99	0.99	0.97	0.97	0.97	0.92	0.92	0.92	0.88	0.88	0.88	0.85	0.85	0.85	0.83
1	0.92	0.90	0.88	0.90	0.89	0.87	0.87	0.86	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78
2	0.86	0.83	0.81	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.76	0.78	0.76	0.75	0.73
3	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.74	0.72	0.71	0.69
4	0.77	0.73	0.70	0.76	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.71	0.69	0.67	0.66
5	0.73	0.69	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.69	0.66	0.64	0.68	0.66	0.64	0.62
6	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.63	0.61	0.65	0.63	0.60	0.59
7	0.66	0.62	0.59	0.66	0.61	0.59	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.57
8	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.55	0.61	0.58	0.55	0.60	0.57	0.55	0.54
9	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.52
10	0.58	0.54	0.51	0.58	0.54	0.51	0.57	0.53	0.51	0.56	0.53	0.51	0.56	0.53	0.50	0.49







Luminaire Lumens:

FL=921.22,FM=115.33,FH=24.55,FVH=6.48

BL=953.5,BM=125.36,BH=24.04,BVH=6.5

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	4115.36	4111.85	4092.54	4066.20	4026.99	3979.00	3930.43	3878.93	3816.90
45.0	4122.38	4118.29	4107.17	4093.71	4059.18	4035.77	3979.59	3926.33	3867.81
90.0	4115.36	4106.00	4080.25	4060.35	4017.04	3976.66	3915.21	3854.35	3794.66
135.0	4108.92	4110.68	4105.41	4094.29	4067.37	4037.53	4000.07	3940.38	3900.00
180.0	4115.36	4125.31	4124.14	4109.51	4083.76	4047.47	4012.95	3963.20	3908.78
225.0	4122.38	4122.97	4110.68	4090.20	4056.25	4004.75	3960.86	3909.95	3831.53
270.0	4115.36	4119.46	4117.12	4103.07	4073.22	4048.06	4011.19	3960.86	3898.83
315.0	4108.92	4100.14	4084.93	4056.84	4024.07	3982.51	3934.53	3863.71	3794.66
360.0	4115.36	4111.85	4092.54	4066.20	4026.99	3979.00	3930.43	3878.93	3816.90
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3716.24	3617.33	3522.53	3396.12	3252.74	3122.82	2988.80	2807.97	2659.91
45.0	3792.90	3705.70	3616.16	3516.09	3375.64	3253.32	3125.75	2990.56	2816.75
90.0	3716.82	3605.63	3505.56	3394.36	3240.45	3122.23	2991.73	2819.67	2671.03
135.0	3837.38	3770.08	3662.40	3567.00	3430.65	3314.19	3188.95	3021.58	2881.12
180.0	3828.60	3758.96	3671.76	3549.45	3441.77	3289.02	3166.71	3033.86	2899.26
225.0	3755.45	3676.44	3561.74	3447.62	3331.16	3174.90	3045.57	2912.72	2731.30
270.0	3840.89	3764.81	3680.54	3560.57	3457.57	3333.50	3183.10	3059.61	2922.67
315.0	3715.65	3601.53	3500.29	3394.36	3277.32	3121.65	2991.73	2846.01	2702.04
360.0	3716.24	3617.33	3522.53	3396.12	3252.74	3122.82	2988.80	2807.97	2659.91
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2509.50	2311.70	2154.27	2003.28	1816.01	1673.80	1529.84	1160.38	1160.38
45.0	2667.51	2521.21	2325.74	2164.22	2008.55	1826.55	1686.68	1505.26	1367.73
90.0	2522.96	2325.16	2167.15	1999.77	1850.54	1672.63	1533.35	1157.63	1157.63
135.0	2733.06	2579.15	2393.04	2226.25	2069.41	1917.84	1776.22	1597.14	1454.93
180.0	2714.33	2556.32	2401.24	2256.69	2036.06	1904.97	1750.47	1590.70	1439.71
225.0	2576.22	2415.28	2257.86	2096.33	1908.48	1767.44	1625.81	1448.49	1137.33
270.0	2733.64	2576.80	2389.53	2229.18	2051.86	1916.09	1721.79	1589.53	1442.64
315.0	2505.99	2346.23	2185.29	1992.16	1843.52	1663.85	1526.91	1136.80	1136.80
360.0	2509.50	2311.70	2154.27	2003.28	1816.01	1673.80	1529.84	1160.38	1160.38
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1059.73	929.81	774.49	660.54	551.05	451.62	340.31	258.38	186.45
45.0	1227.28	1085.65	918.28	802.99	683.60	570.65	441.32	349.44	307.89
90.0	1092.32	968.02	843.72	698.64	590.14	483.69	359.04	271.95	176.62
135.0	1284.04	1148.27	1007.23	855.66	737.44	622.15	492.82	397.43	311.40
180.0	1305.11	1120.76	992.01	863.85	702.33	594.65	486.38	370.51	307.30
225.0	1137.33	992.19	864.73	710.87	593.65	484.98	388.94	282.31	207.58
270.0	1312.13	1132.47	1006.65	876.14	740.95	595.82	486.97	362.90	299.11
315.0	1065.93	932.67	808.61	686.18	544.79	440.97	347.80	266.45	178.44
360.0	1059.73	929.81	774.49	660.54	551.05	451.62	340.31	258.38	186.45
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	115.70	82.11	69.70	59.58	54.48	50.27	46.35	43.66	41.26
45.0	307.89	114.59	79.88	67.18	57.70	52.79	48.16	45.24	42.72
90.0	116.93	83.63	69.12	59.28	54.31	50.15	46.82	43.42	41.02
135.0	311.40	142.56	96.80	75.49	65.72	58.29	53.61	50.04	46.29
180.0	307.30	144.67	90.30	71.57	62.79	57.12	51.44	48.05	45.24
225.0	143.56	97.44	71.22	62.09	56.12	51.44	47.17	44.36	41.32
270.0	299.11	131.85	85.50	70.99	62.50	55.30	50.74	47.34	44.42
315.0	122.72	81.29	69.58	61.57	54.66	50.50	47.29	44.48	41.43
360.0	115.70	82.11	69.70	59.58	54.48	50.27	46.35	43.66	41.26

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	39.09	36.64	35.00	33.47	32.13	30.61	29.61	28.85	28.03
45.0	40.44	37.81	35.87	34.24	32.83	31.25	30.08	29.20	28.44
90.0	38.80	36.87	34.76	33.18	31.60	30.49	29.55	28.62	27.97
135.0	43.72	41.32	38.74	36.93	35.35	33.47	32.30	31.19	30.08
180.0	42.08	39.97	37.98	35.76	34.18	32.83	31.19	30.14	29.26
225.0	39.15	37.10	35.00	33.42	32.13	30.84	29.50	28.62	27.92
270.0	41.20	39.03	36.99	35.23	33.30	32.01	30.84	29.55	28.68
315.0	39.21	37.34	35.64	33.65	32.36	31.19	29.96	29.20	28.50
360.0	39.09	36.64	35.00	33.47	32.13	30.61	29.61	28.85	28.03
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.45	26.92	26.63	26.51	26.39	26.45	26.45	26.51	26.51
45.0	27.62	27.10	26.63	26.51	26.51	26.57	26.63	26.63	26.57
90.0	27.45	27.10	26.80	26.74	26.86	26.80	26.74	26.63	26.45
135.0	29.32	28.62	28.09	27.74	27.56	27.45	27.39	27.10	26.92
180.0	28.56	27.80	27.45	27.27	27.33	27.45	27.39	27.27	27.15
225.0	27.21	26.51	26.22	26.16	26.28	26.34	26.39	26.45	26.34
270.0	27.80	27.21	26.80	26.57	26.39	26.45	26.51	26.57	26.45
315.0	27.74	27.39	27.21	27.15	27.10	27.10	27.10	26.98	26.80
360.0	27.45	26.92	26.63	26.51	26.39	26.45	26.45	26.51	26.51
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.39	26.34	26.45	26.63	26.69	27.04	27.92	28.73	29.55
45.0	26.28	25.93	25.40	24.58	23.41	22.18	21.13	20.25	19.55
90.0	26.04	25.63	25.05	23.94	22.71	21.83	21.48	21.54	22.00
135.0	26.57	26.28	25.87	25.05	24.29	23.35	22.47	21.89	21.83
180.0	26.86	26.57	25.93	25.28	24.87	24.64	24.64	25.05	25.81
225.0	25.98	25.57	24.87	24.05	23.00	21.77	20.83	20.19	19.49
270.0	26.28	25.98	25.40	24.76	23.99	22.59	21.65	21.01	20.19
315.0	26.51	25.93	25.28	24.46	23.70	23.12	22.94	22.94	23.17
360.0	26.39	26.34	26.45	26.63	26.69	27.04	27.92	28.73	29.55
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	30.49	30.67	30.55	29.90	29.26	28.44	27.56	26.22	24.64
45.0	18.96	18.43	18.08	17.67	17.38	16.97	16.68	16.15	15.68
90.0	23.00	23.88	24.64	25.05	25.16	24.93	24.29	22.00	18.96
135.0	22.41	23.29	24.52	25.46	25.87	26.22	26.39	25.75	23.58
180.0	26.39	26.57	26.39	25.52	24.81	23.99	22.94	22.00	20.89
225.0	18.96	18.55	18.14	17.79	17.44	16.91	16.39	15.86	15.33
270.0	19.84	20.07	20.78	21.24	21.36	21.24	21.01	20.19	18.79
315.0	23.53	24.52	25.22	25.52	25.57	25.34	24.17	22.30	19.84
360.0	30.49	30.67	30.55	29.90	29.26	28.44	27.56	26.22	24.64
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	22.59	18.08	12.87	11.06	10.53	10.18	9.66	9.48	9.36
45.0	15.16	13.75	12.23	11.18	10.71	10.53	9.83	9.48	9.31
90.0	15.63	12.52	11.41	10.94	10.18	9.83	9.54	9.31	9.25
135.0	20.31	16.09	13.23	11.76	10.89	10.12	9.83	9.66	9.36
180.0	18.43	15.45	12.64	11.53	10.53	10.07	9.89	9.60	9.42
225.0	14.22	12.70	11.70	10.65	10.12	9.83	9.66	9.42	9.31
270.0	16.74	14.40	11.94	11.06	10.59	10.07	9.71	9.54	9.31
315.0	15.80	12.76	11.41	10.71	10.42	9.77	9.48	9.31	9.25
360.0	22.59	18.08	12.87	11.06	10.53	10.18	9.66	9.48	9.36

Intensity data(cd)

C/γ(°)	90.0
0.0	9.36
45.0	9.31
90.0	9.25
135.0	9.25
180.0	9.36
225.0	9.31
270.0	9.31
315.0	9.25
360.0	9.36