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NT

Client:

LumCAT: 2-2689-L

Luminaire: 92.70.411.00

Report No: 2024416-B025

Ballast type: AC

Test No: 2024416-C025

Voltage(V): 33.740

LampCAT: NICHIA NFCWJ108B-V3

Current(A): 0.577

Lamp flux(lm): 2647.0

Power (W): 19.467

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2184.71, Efficiency(%): 82.54% , Luminous Efficacy(lm/W): 112.23

Central intensity(cd): 4108.630, Maximum intensity(cd): 4108.630

Angle of maximum intensity: C=0.0 γ =0.0

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

[C90/270]Total=42.8

Field angle(10%Imax): [C0/180]Total=66.6

[C90/270]Total=66.6

Maximum s/h(1/2): C0_180=0.68 C90_270=0.68

Maximum s/h(1/4): C0_180=0.68 C90_270=0.68

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.54%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.544%

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	4108.631	0.000	0	0.00%	0.00%
1.0	4106.875	3.931	3.931	0.15%	0.18%
2.0	4098.023	11.776	15.707	0.44%	0.72%
3.0	4076.224	19.550	35.258	0.74%	1.61%
4.0	4043.159	27.178	62.436	1.03%	2.86%
5.0	4001.534	34.608	97.044	1.31%	4.44%
6.0	3945.060	41.761	138.805	1.58%	6.35%
7.0	3874.906	48.538	187.343	1.83%	8.58%
8.0	3794.219	54.886	242.23	2.07%	11.09%
9.0	3700.070	60.737	302.967	2.29%	13.87%
10.0	3596.632	66.032	369	2.49%	16.89%
11.0	3483.464	70.745	439.744	2.67%	20.13%
12.0	3357.568	74.782	514.527	2.83%	23.55%
13.0	3233.427	78.218	592.745	2.95%	27.13%
14.0	3095.826	81.014	673.759	3.06%	30.84%
15.0	2959.541	83.131	756.89	3.14%	34.64%
16.0	2816.454	84.634	841.524	3.20%	38.52%
17.0	2690.777	85.762	927.287	3.24%	42.44%
18.0	2544.983	86.326	1013.613	3.26%	46.40%
19.0	2408.259	86.176	1099.789	3.26%	50.34%
20.0	2256.394	85.376	1185.165	3.23%	54.25%
21.0	2114.403	83.928	1269.093	3.17%	58.09%
22.0	1968.170	82.041	1351.134	3.10%	61.85%
23.0	1810.233	79.281	1430.416	3.00%	65.47%
24.0	1636.560	75.359	1505.775	2.85%	68.92%
25.0	1473.655	70.719	1576.494	2.67%	72.16%
26.0	1324.467	66.050	1642.544	2.50%	75.18%
27.0	1178.226	61.229	1703.773	2.31%	77.99%
28.0	1056.412	56.576	1760.349	2.14%	80.58%
29.0	916.097	51.606	1811.956	1.95%	82.94%
30.0	780.946	45.820	1857.776	1.73%	85.04%
31.0	645.386	39.693	1897.468	1.50%	86.85%
32.0	538.400	33.914	1931.383	1.28%	88.40%
33.0	438.516	28.780	1960.163	1.09%	89.72%
34.0	357.529	24.091	1984.253	0.91%	90.82%
35.0	290.776	20.134	2004.387	0.76%	91.75%
36.0	233.366	16.689	2021.076	0.63%	92.51%
37.0	189.708	13.798	2034.875	0.52%	93.14%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	151.698	11.396	2046.27	0.43%	93.66%
39.0	111.185	8.973	2055.243	0.34%	94.07%
40.0	92.334	7.098	2062.341	0.27%	94.40%
41.0	77.850	6.060	2068.401	0.23%	94.68%
42.0	67.169	5.269	2073.67	0.20%	94.92%
43.0	59.912	4.707	2078.378	0.18%	95.13%
44.0	54.499	4.318	2082.696	0.16%	95.33%
45.0	50.351	4.030	2086.725	0.15%	95.52%
46.0	47.162	3.814	2090.539	0.14%	95.69%
47.0	44.294	3.637	2094.176	0.14%	95.86%
48.0	41.895	3.484	2097.66	0.13%	96.02%
49.0	39.671	3.350	2101.01	0.13%	96.17%
50.0	37.747	3.228	2104.238	0.12%	96.32%
51.0	35.896	3.116	2107.354	0.12%	96.46%
52.0	34.097	3.003	2110.357	0.11%	96.60%
53.0	32.546	2.899	2113.256	0.11%	96.73%
54.0	31.090	2.805	2116.061	0.11%	96.86%
55.0	29.759	2.716	2118.777	0.10%	96.98%
56.0	28.369	2.627	2121.404	0.10%	97.10%
57.0	27.169	2.539	2123.943	0.10%	97.22%
58.0	25.911	2.455	2126.397	0.09%	97.33%
59.0	24.799	2.371	2128.768	0.09%	97.44%
60.0	23.643	2.289	2131.057	0.09%	97.54%
61.0	22.590	2.206	2133.263	0.08%	97.65%
62.0	21.566	2.128	2135.391	0.08%	97.74%
63.0	20.607	2.051	2137.442	0.08%	97.84%
64.0	19.839	1.985	2139.427	0.07%	97.93%
65.0	19.188	1.931	2141.358	0.07%	98.02%
66.0	18.903	1.900	2143.258	0.07%	98.10%
67.0	18.881	1.900	2145.158	0.07%	98.19%
68.0	19.034	1.921	2147.079	0.07%	98.28%
69.0	19.349	1.958	2149.037	0.07%	98.37%
70.0	19.832	2.012	2151.049	0.08%	98.46%
71.0	20.329	2.076	2153.125	0.08%	98.55%
72.0	20.688	2.133	2155.258	0.08%	98.65%
73.0	21.039	2.182	2157.44	0.08%	98.75%
74.0	21.244	2.223	2159.663	0.08%	98.85%
75.0	21.244	2.245	2161.908	0.08%	98.96%

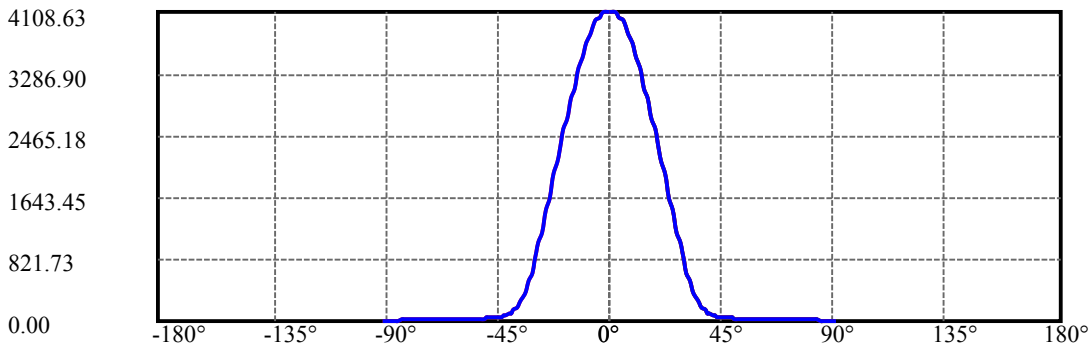
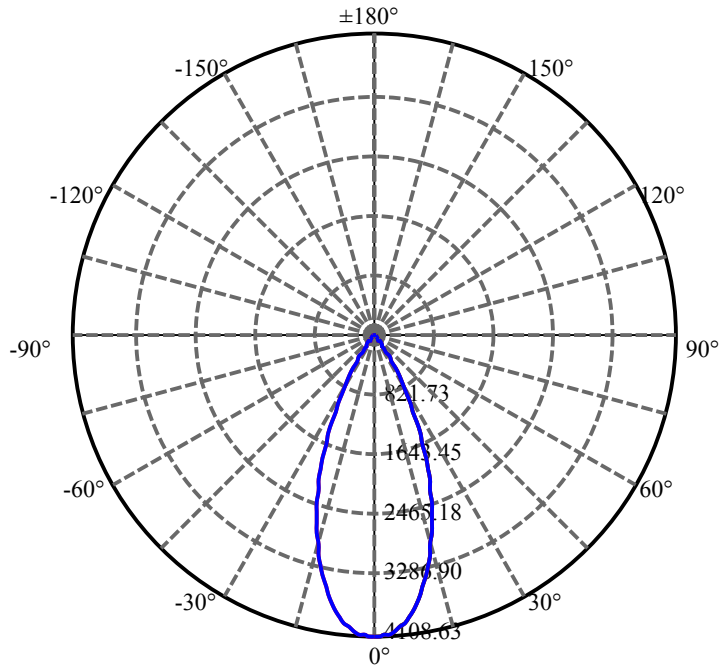
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.629	2.223	2164.13	0.08%	99.06%
77.0	19.781	2.154	2166.285	0.08%	99.16%
78.0	18.588	2.054	2168.339	0.08%	99.25%
79.0	17.045	1.915	2170.253	0.07%	99.34%
80.0	15.567	1.758	2172.011	0.07%	99.42%
81.0	14.119	1.605	2173.617	0.06%	99.49%
82.0	13.372	1.491	2175.108	0.06%	99.56%
83.0	12.926	1.430	2176.537	0.05%	99.63%
84.0	12.538	1.387	2177.925	0.05%	99.69%
85.0	11.683	1.322	2179.246	0.05%	99.75%
86.0	10.468	1.211	2180.457	0.05%	99.81%
87.0	9.956	1.118	2181.575	0.04%	99.86%
88.0	9.539	1.068	2182.643	0.04%	99.91%
89.0	9.407	1.038	2183.681	0.04%	99.95%
90.0	9.312	1.026	2184.708	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1857.78	70.18%	85.04%
0-40	2062.34	77.91%	94.40%
0-60	2131.06	80.51%	97.54%
0-90	2183.68	82.50%	99.95%
0-120	2183.68	82.50%	99.95%
0-180	2184.71	82.54%	100.00%
60-90	52.62	1.99%	2.41%
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%
0-27.78	1747.77	66.03%	80.00%

ZONAL LUMEN SUMMARY

0-10	369.00
10-20	816.17
20-30	672.61
30-40	204.57
40-50	41.90
50-60	26.82
60-70	19.99
70-80	20.96
80-90	11.67
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: —————

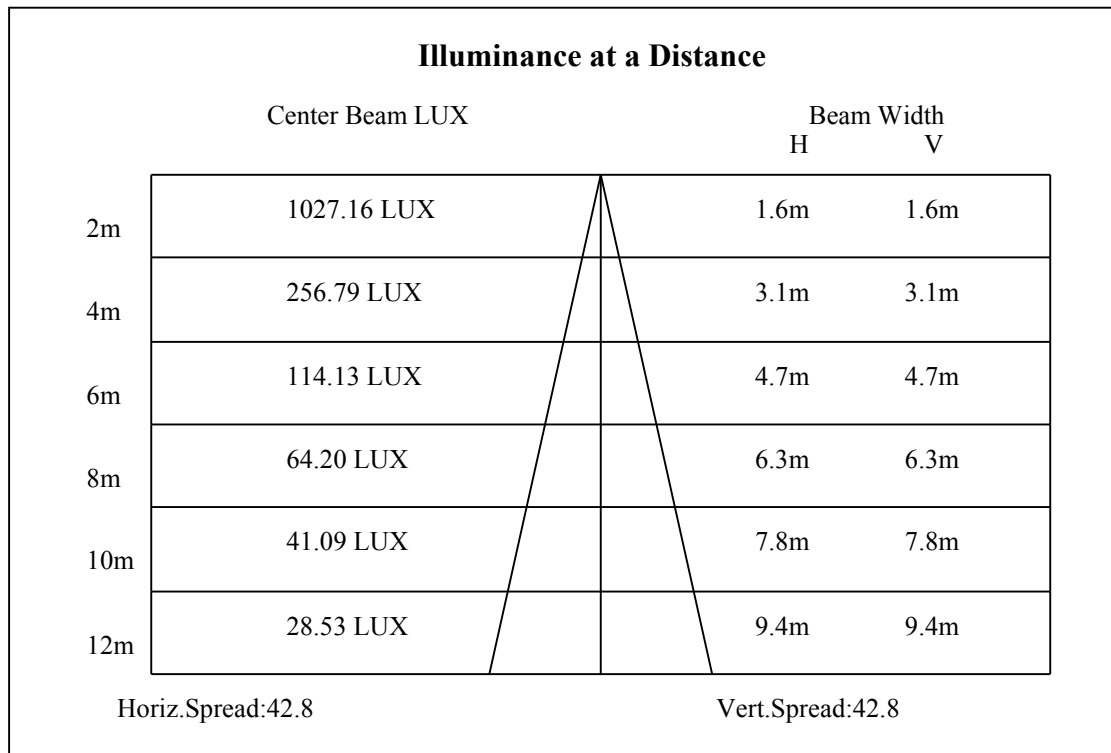
C90/C270: —————

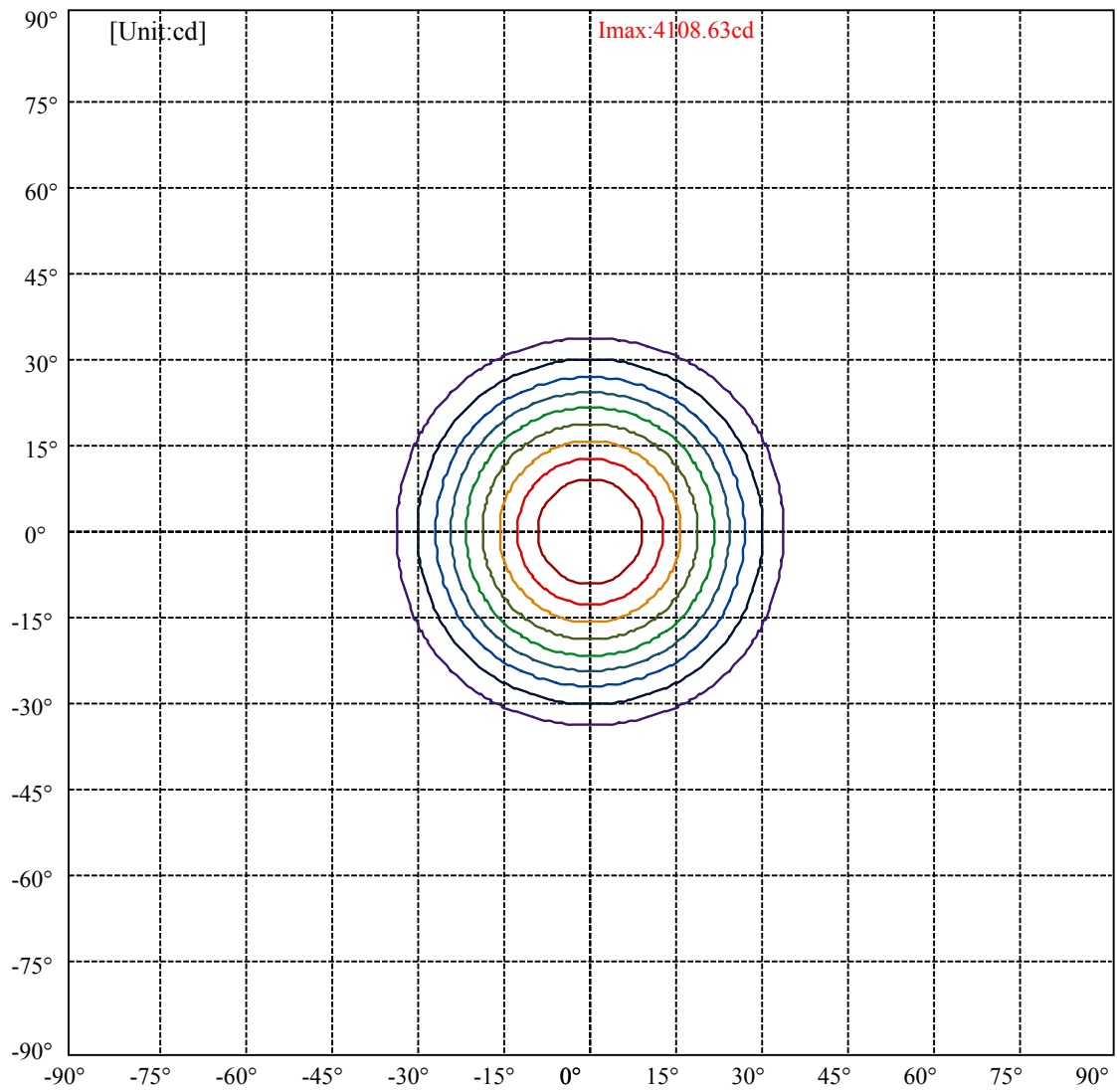
Field angle(10%Imax):C0/180Left:33.3 Right:33.3

:C90/270Left:33.3 Right:33.3

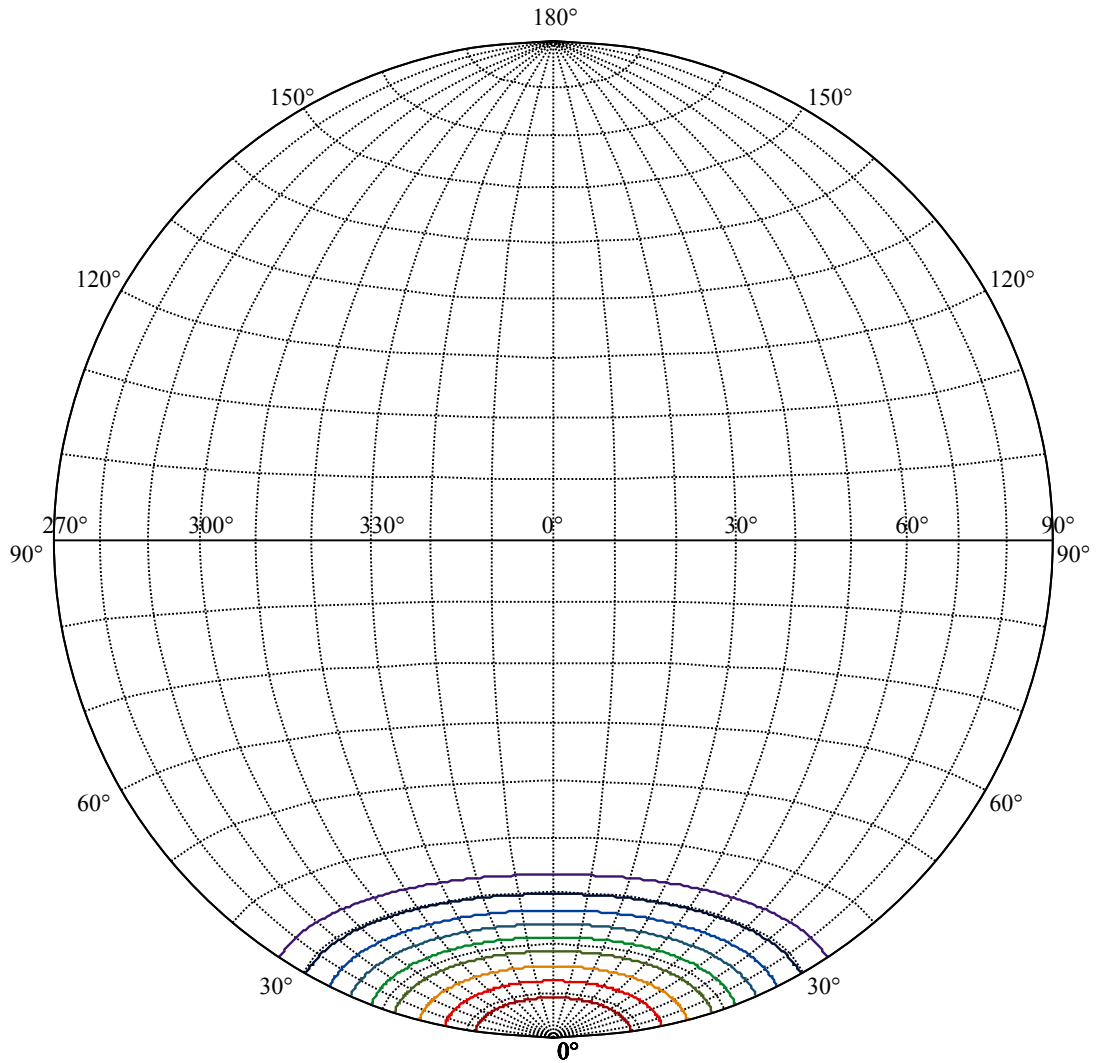
Beam Angle(50%Imax):C0/180Left:21.4 Right:21.4

:C90/270Left:21.4 Right:21.4





(10%Imax) 410.863	—
(20%Imax) 821.726	—
(30%Imax) 1232.59	—
(40%Imax) 1643.45	—
(50%Imax) 2054.32	—
(60%Imax) 2465.18	—
(70%Imax) 2876.04	—
(80%Imax) 3286.9	—
(90%Imax) 3697.77	—



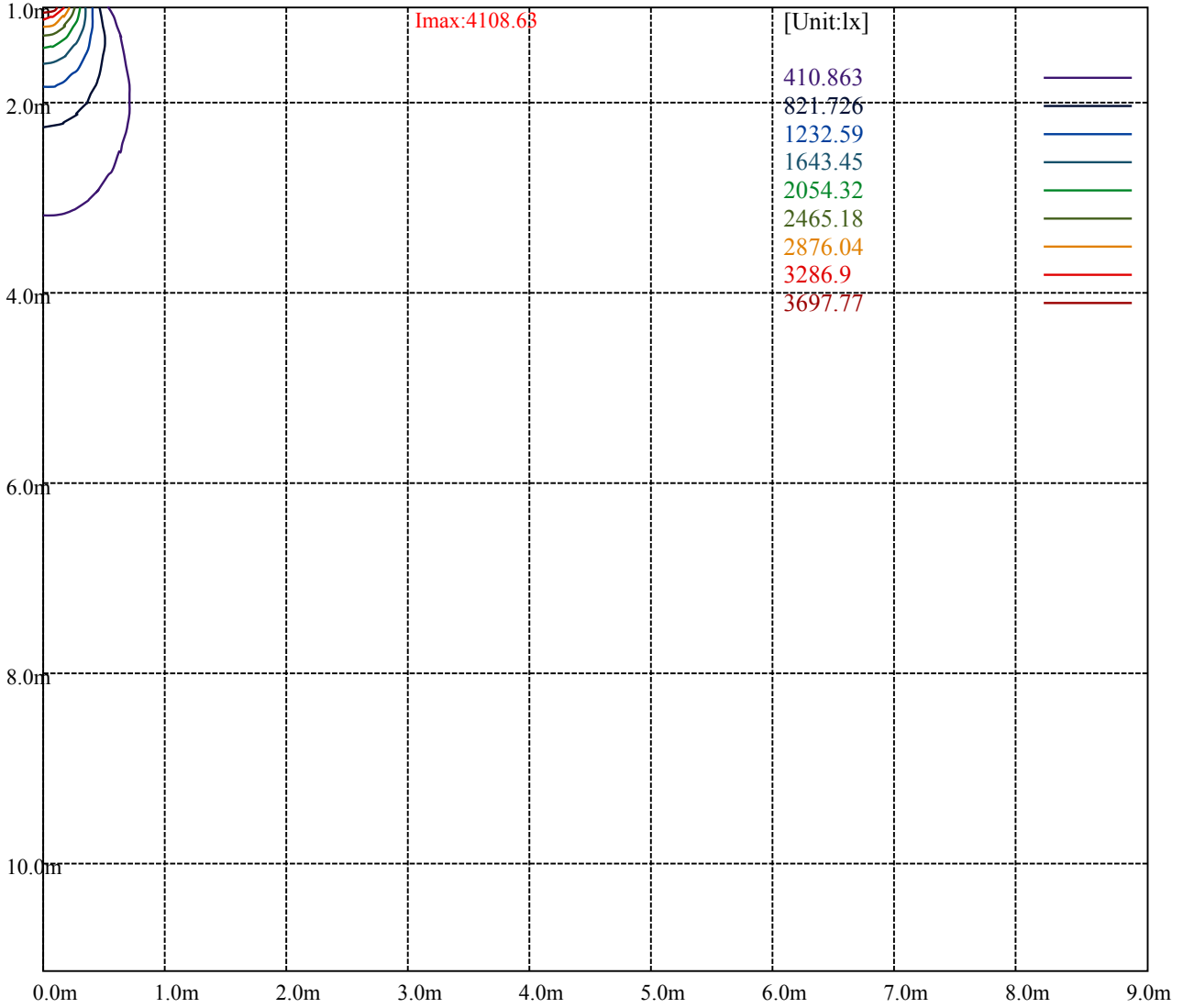
House

[Unit:cd]

Road

Imax:4108.63

(10%Imax)	410.863	—
(20%Imax)	821.726	—
(30%Imax)	1232.59	—
(40%Imax)	1643.45	—
(50%Imax)	2054.32	—
(60%Imax)	2465.18	—
(70%Imax)	2876.04	—
(80%Imax)	3286.9	—
(90%Imax)	3697.77	—



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

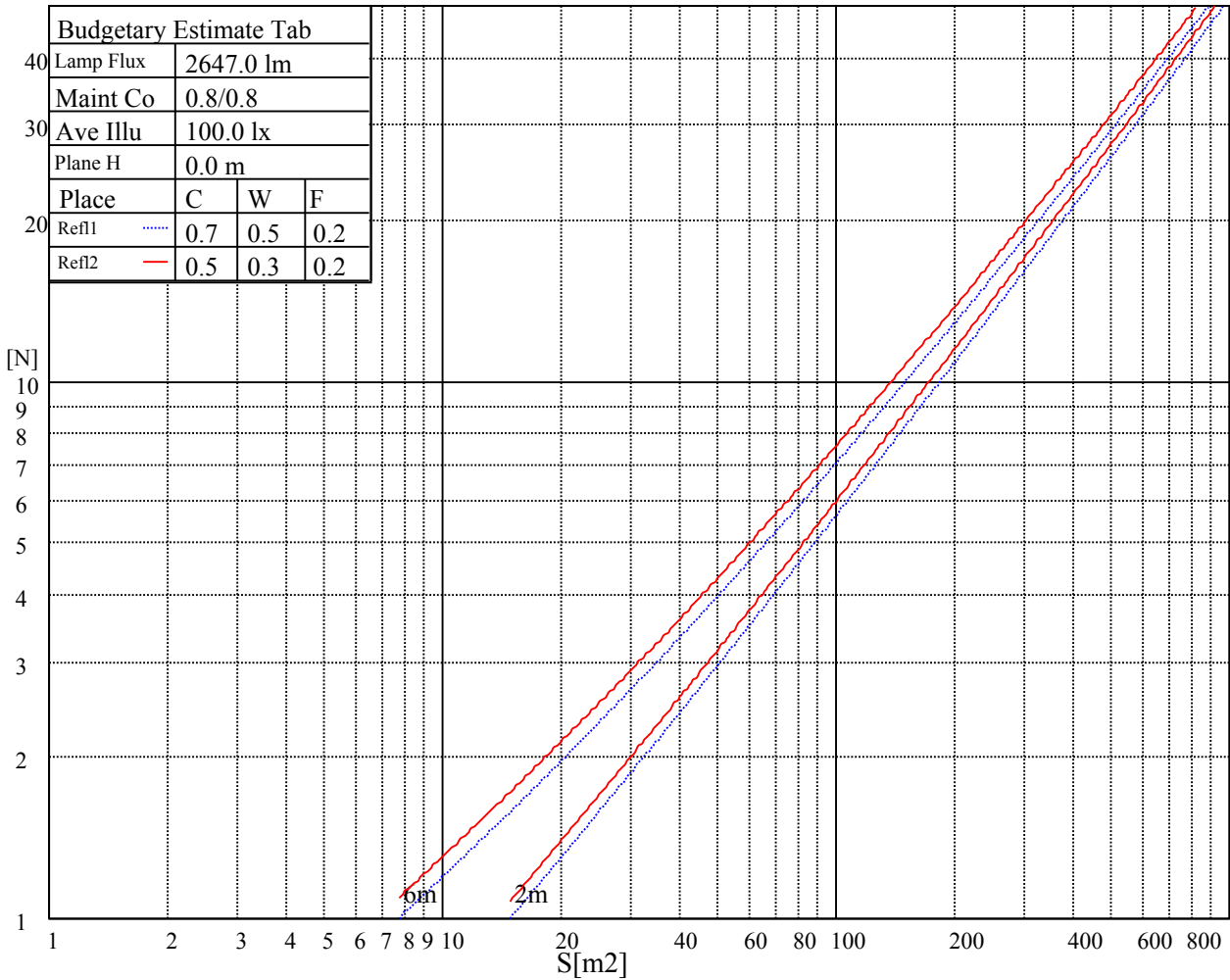
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

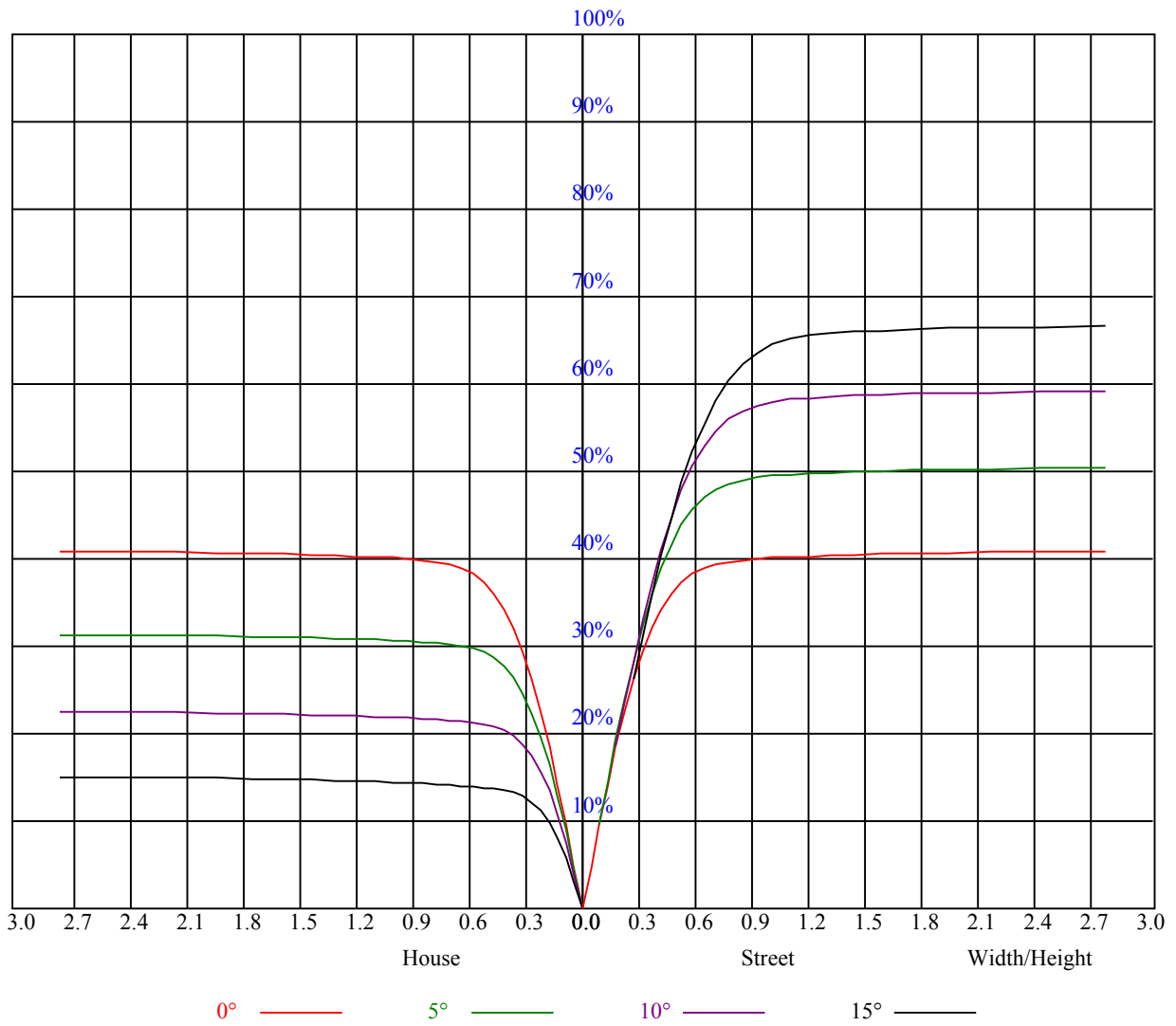


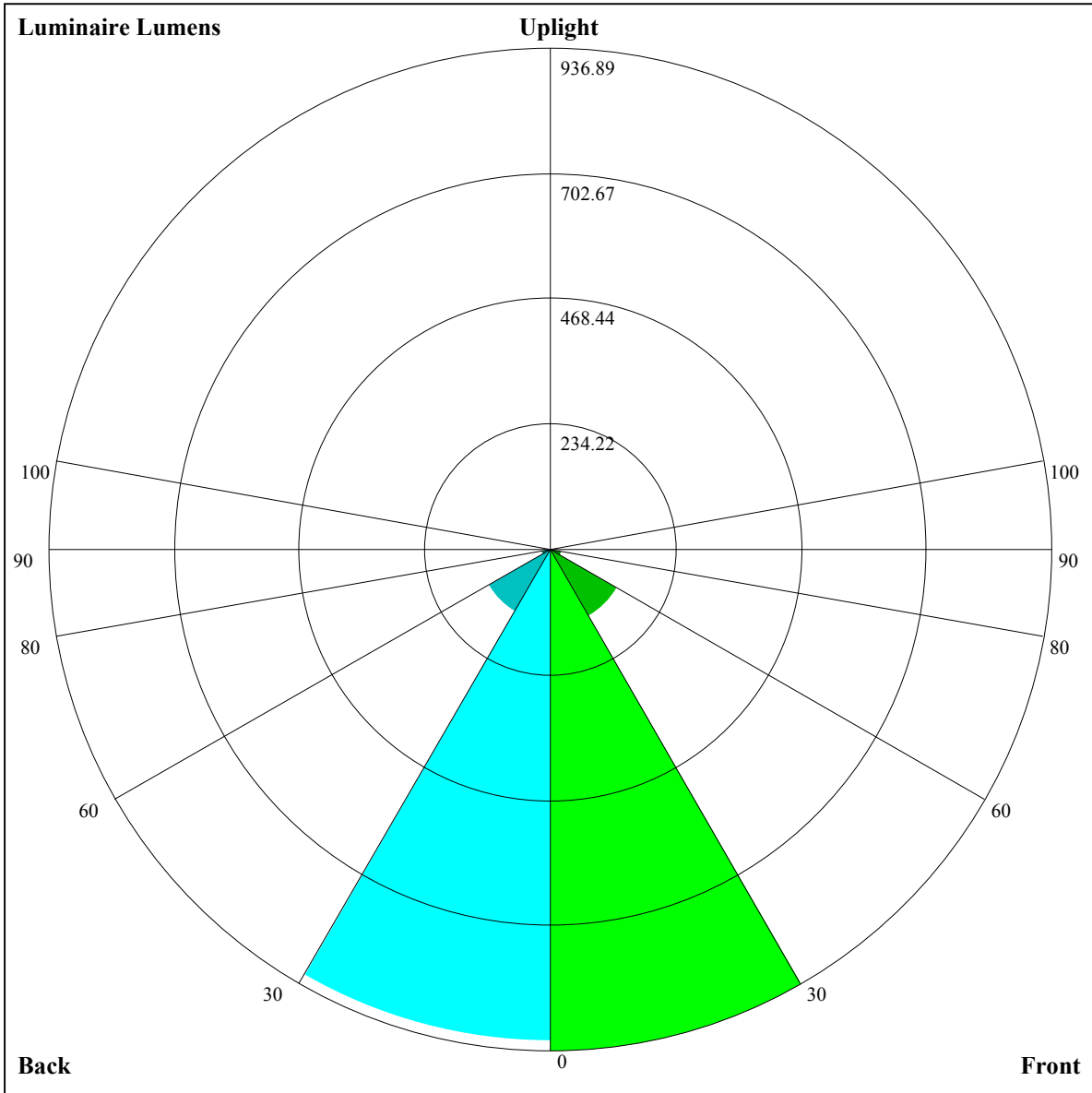
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	0.86	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	0.68	0.65	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	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
7	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	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	0.55	0.60	0.57	0.55	0.60	0.57	0.54	0.53
9	0.60	0.55	0.52	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.55	0.52	0.57	0.54	0.52	0.51
10	0.57	0.53	0.50	0.57	0.53	0.50	0.56	0.52	0.50	0.56	0.52	0.50	0.55	0.52	0.50	0.49





Luminaire Lumens:

FL=936.89,FM=142.86,FH=21.62,FVH=6.51

BL=918.75,BM=134.26,BH=19.36,BVH=6.36

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	4117.70	4121.21	4114.78	4106.00	4070.88	4028.75	3976.08	3913.46	3816.31
45.0	4101.32	4110.68	4125.31	4121.80	4114.78	4095.46	4057.42	4012.95	3951.50
90.0	4113.02	4113.61	4113.02	4094.29	4071.47	4041.62	3993.05	3939.21	3871.91
135.0	4102.49	4104.83	4101.32	4091.95	4074.98	4042.79	4004.75	3955.59	3879.52
180.0	4117.70	4107.75	4096.05	4072.05	4036.36	3992.46	3940.96	3858.45	3779.44
225.0	4101.32	4087.86	4059.76	4022.31	3952.67	3890.05	3800.51	3711.56	3614.99
270.0	4113.02	4111.26	4097.80	4057.42	4021.72	3976.08	3926.33	3826.84	3747.84
315.0	4102.49	4097.80	4076.15	4043.96	4002.41	3945.06	3861.37	3781.20	3692.24
360.0	4117.70	4121.21	4114.78	4106.00	4070.88	4028.75	3976.08	3913.46	3816.31
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3731.45	3634.89	3500.29	3383.24	3259.76	3101.75	2971.25	2810.89	2687.41
45.0	3878.93	3794.07	3682.29	3588.07	3479.81	3331.74	3198.90	3077.17	2946.67
90.0	3775.34	3685.81	3565.83	3448.79	3326.48	3201.24	3041.47	2914.48	2782.80
135.0	3809.29	3729.70	3638.40	3503.80	3389.68	3267.95	3108.19	2971.83	2847.76
180.0	3697.51	3572.86	3465.18	3344.03	3228.16	3063.71	2936.13	2807.38	2687.41
225.0	3490.34	3373.30	3253.32	3098.24	2970.66	2844.25	2722.53	2562.17	2429.91
270.0	3626.11	3523.70	3417.77	3270.88	3147.40	3016.89	2884.05	2730.72	2614.84
315.0	3591.58	3458.74	3344.62	3223.48	3065.47	2939.06	2813.82	2656.98	2529.40
360.0	3731.45	3634.89	3500.29	3383.24	3259.76	3101.75	2971.25	2810.89	2687.41
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2560.42	2428.74	2289.46	2114.48	1976.36	1834.15	1660.93	1521.64	1138.85
45.0	2789.24	2664.00	2529.40	2403.58	2230.94	2095.16	1957.64	1783.82	1643.37
90.0	2627.72	2503.07	2370.80	2229.77	2092.24	1920.77	1779.73	1608.26	1467.22
135.0	2690.34	2559.83	2431.67	2264.29	2125.01	1988.07	1848.20	1672.05	1528.08
180.0	2525.89	2391.87	2212.21	2082.87	1943.01	1767.44	1631.67	1483.02	1345.49
225.0	2292.97	2155.44	1981.05	1847.03	1708.92	1533.35	1142.36	1142.36	1072.54
270.0	2479.66	2340.37	2154.86	2022.01	1890.92	1704.23	1573.73	1426.84	1248.93
315.0	2393.63	2222.74	2081.70	1951.20	1777.97	1638.69	1498.23	1151.25	1151.25
360.0	2560.42	2428.74	2289.46	2114.48	1976.36	1834.15	1660.93	1521.64	1138.85
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1138.85	1069.15	933.14	802.34	655.04	546.83	426.28	345.34	278.68
45.0	1501.75	1322.08	1183.38	1044.10	874.97	750.32	633.86	527.35	410.30
90.0	1141.95	1141.95	999.86	867.65	717.19	607.00	503.18	409.77	312.51
135.0	1381.77	1236.64	1058.73	924.13	770.21	657.27	555.44	460.05	355.29
180.0	1165.83	1031.81	896.62	764.95	619.23	525.01	433.71	330.71	296.77
225.0	935.83	804.22	680.73	541.74	444.30	360.73	276.75	222.62	168.78
270.0	1112.57	936.42	800.65	678.33	566.56	440.15	356.46	303.79	303.79
315.0	1047.26	909.03	775.66	624.32	515.58	419.90	322.46	260.60	200.09
360.0	1138.85	1069.15	933.14	802.34	655.04	546.83	426.28	345.34	278.68
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	213.14	172.00	139.46	114.24	96.04	79.65	69.99	62.62	57.18
45.0	331.88	298.52	298.52	159.65	129.69	107.27	86.96	75.32	64.61
90.0	250.65	200.67	160.47	122.02	100.13	83.80	69.76	62.15	55.54
135.0	303.21	303.21	170.89	136.59	111.02	87.73	75.14	66.13	59.69
180.0	296.77	161.35	130.80	100.83	83.86	71.69	62.85	55.71	51.50
225.0	135.95	110.02	91.00	74.32	65.08	58.46	53.55	48.98	46.17
270.0	173.23	139.28	112.60	92.99	76.08	66.89	58.64	53.96	50.39
315.0	162.11	132.61	109.85	88.84	76.78	67.30	60.45	54.43	50.91
360.0	213.14	172.00	139.46	114.24	96.04	79.65	69.99	62.62	57.18

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	52.09	49.04	45.82	43.48	41.32	38.92	37.10	35.41	33.88
45.0	58.29	53.55	49.04	46.12	43.60	41.26	39.21	36.93	35.23
90.0	51.44	48.16	45.30	42.37	40.15	38.16	36.46	34.41	32.89
135.0	53.84	50.15	47.11	43.89	41.61	39.62	37.28	35.58	34.06
180.0	48.34	45.65	42.55	40.56	38.45	36.75	34.59	33.01	31.25
225.0	43.77	41.08	39.21	37.45	35.46	33.94	32.42	30.72	29.50
270.0	46.88	44.48	42.25	40.20	37.98	36.28	34.76	33.30	31.54
315.0	48.16	45.18	43.07	41.08	38.80	37.04	35.35	33.42	32.01
360.0	52.09	49.04	45.82	43.48	41.32	38.92	37.10	35.41	33.88
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.07	30.72	29.50	27.92	26.74	25.63	24.29	23.53	23.00
45.0	33.65	32.19	30.49	29.14	27.51	26.34	25.28	23.94	22.82
90.0	31.54	30.14	28.56	27.33	25.93	24.93	23.82	22.47	21.42
135.0	32.30	31.02	29.67	28.50	26.92	25.81	24.70	23.64	22.18
180.0	29.90	28.68	27.21	26.04	24.99	23.99	22.71	21.65	20.66
225.0	28.32	27.15	25.87	24.81	23.76	22.71	21.48	20.48	19.43
270.0	30.26	29.03	27.56	26.57	25.52	24.35	23.29	22.36	21.24
315.0	30.67	29.14	28.09	27.04	25.93	24.64	23.58	22.65	21.77
360.0	32.07	30.72	29.50	27.92	26.74	25.63	24.29	23.53	23.00
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.71	22.59	22.77	23.35	24.40	25.40	26.39	27.51	28.68
45.0	21.71	20.54	19.55	18.55	17.79	17.15	16.74	16.33	16.04
90.0	20.48	19.49	18.32	17.56	17.03	16.50	16.09	15.80	15.57
135.0	21.13	20.19	18.96	18.14	17.56	16.97	16.62	16.33	16.21
180.0	19.66	18.49	17.79	17.26	17.03	17.38	18.08	19.20	20.25
225.0	18.38	17.73	17.21	16.80	16.50	16.15	15.92	15.68	15.51
270.0	20.19	19.55	19.08	19.31	19.84	20.66	21.77	23.35	24.70
315.0	20.60	20.13	19.84	20.25	20.89	22.06	23.17	24.46	25.69
360.0	22.71	22.59	22.77	23.35	24.40	25.40	26.39	27.51	28.68
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	29.14	29.03	28.32	27.51	26.39	25.63	24.17	20.48	17.09
45.0	15.63	15.39	15.10	14.86	14.63	14.40	14.22	14.05	13.87
90.0	15.51	16.15	17.03	17.91	18.20	17.97	17.62	17.26	16.80
135.0	16.27	16.85	17.79	18.73	19.14	19.25	19.20	18.67	17.73
180.0	20.95	21.19	21.07	20.78	20.37	19.90	19.43	18.55	16.09
225.0	15.33	15.22	15.10	14.98	14.92	14.81	14.34	13.28	13.05
270.0	25.93	27.21	27.80	27.51	25.46	22.71	19.20	17.21	15.27
315.0	26.74	27.27	27.74	27.68	25.93	23.58	20.54	16.85	14.63
360.0	29.14	29.03	28.32	27.51	26.39	25.63	24.17	20.48	17.09
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.28	13.11	12.64	12.06	11.53	10.83	10.12	9.77	9.36
45.0	13.64	13.40	13.17	12.82	12.35	11.82	10.83	10.01	9.66
90.0	14.81	13.05	12.64	12.11	11.29	10.65	10.01	9.66	9.54
135.0	15.74	14.28	13.05	12.41	11.53	10.65	10.12	9.71	9.60
180.0	13.17	12.47	12.00	11.35	10.53	9.95	9.71	9.42	9.25
225.0	13.46	13.34	13.11	11.82	9.89	9.60	9.25	9.19	9.25
270.0	14.10	13.87	13.69	14.75	13.46	10.12	9.77	9.25	9.31
315.0	13.75	13.46	13.11	12.99	12.87	10.12	9.83	9.31	9.31
360.0	14.28	13.11	12.64	12.06	11.53	10.83	10.12	9.77	9.36

Intensity data(cd)

C/γ(°)	90.0
0.0	9.25
45.0	9.48
90.0	9.31
135.0	9.31
180.0	9.31
225.0	9.25
270.0	9.25
315.0	9.36
360.0	9.25