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NT

Client:

LumCAT: 2-2678-L

Luminaire: 92.70.411.00

Report No: 2024418-B003

Ballast type: AC

Test No: 2024418-C003

Voltage(V): 33.610

LampCAT: NICHIA NFCWJ120B-V3

Current(A): 0.576

Lamp flux(lm): 2726.0

Power (W): 19.359

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2310.31, Efficiency(%): 84.75% , Luminous Efficacy(lm/W): 119.34

Central intensity(cd): 9643.836, Maximum intensity(cd): 9643.836

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=21.0

[C90/270]Total=21.0

Field angle(10%Imax): [C0/180]Total=54.0

[C90/270]Total=54.0

Maximum s/h(1/2): C0_180=0.36 C90_270=0.36

Maximum s/h(1/4): C0_180=0.39 C90_270=0.39

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.75%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.970%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/18
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	9643.835	0.000	0	0.00%	0.00%
1.0	9583.849	9.200	9.2	0.34%	0.40%
2.0	9441.713	27.307	36.507	1.00%	1.58%
3.0	9201.185	44.588	81.095	1.64%	3.51%
4.0	8832.421	60.364	141.459	2.21%	6.12%
5.0	8374.628	74.024	215.483	2.72%	9.33%
6.0	7838.782	85.206	300.689	3.13%	13.02%
7.0	7167.455	93.143	393.832	3.42%	17.05%
8.0	6464.381	97.560	491.393	3.58%	21.27%
9.0	5813.098	99.502	590.895	3.65%	25.58%
10.0	5137.822	99.102	689.997	3.64%	29.87%
11.0	4498.756	96.289	786.286	3.53%	34.03%
12.0	3959.545	92.461	878.748	3.39%	38.04%
13.0	3476.661	88.249	966.997	3.24%	41.86%
14.0	3084.341	83.980	1050.977	3.08%	45.49%
15.0	2750.323	80.101	1131.078	2.94%	48.96%
16.0	2467.294	76.453	1207.53	2.80%	52.27%
17.0	2222.524	73.033	1280.563	2.68%	55.43%
18.0	2018.061	69.918	1350.481	2.56%	58.45%
19.0	1843.444	67.182	1417.664	2.46%	61.36%
20.0	1687.555	64.627	1482.291	2.37%	64.16%
21.0	1546.516	62.101	1544.392	2.28%	66.85%
22.0	1424.569	59.705	1604.097	2.19%	69.43%
23.0	1267.180	56.480	1660.577	2.07%	71.88%
24.0	1211.291	54.188	1714.765	1.99%	74.22%
25.0	1134.195	53.331	1768.096	1.96%	76.53%
26.0	1050.472	51.569	1819.666	1.89%	78.76%
27.0	967.845	49.379	1869.044	1.81%	80.90%
28.0	888.935	47.010	1916.054	1.72%	82.94%
29.0	800.456	44.199	1960.253	1.62%	84.85%
30.0	715.986	40.944	2001.197	1.50%	86.62%
31.0	626.169	37.350	2038.547	1.37%	88.24%
32.0	542.511	33.481	2072.028	1.23%	89.69%
33.0	456.490	29.431	2101.459	1.08%	90.96%
34.0	378.209	25.260	2126.72	0.93%	92.05%
35.0	310.462	21.388	2148.107	0.78%	92.98%
36.0	258.545	18.117	2166.225	0.66%	93.76%
37.0	235.648	16.118	2182.343	0.59%	94.46%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	147.682	12.795	2195.138	0.47%	95.01%
39.0	112.327	8.875	2204.012	0.33%	95.40%
40.0	86.562	6.937	2210.949	0.25%	95.70%
41.0	65.348	5.409	2216.358	0.20%	95.93%
42.0	53.292	4.310	2220.669	0.16%	96.12%
43.0	44.067	3.606	2224.275	0.13%	96.28%
44.0	37.996	3.097	2227.372	0.11%	96.41%
45.0	34.075	2.770	2230.142	0.10%	96.53%
46.0	31.119	2.550	2232.692	0.09%	96.64%
47.0	28.932	2.388	2235.08	0.09%	96.74%
48.0	27.374	2.276	2237.356	0.08%	96.84%
49.0	26.196	2.200	2239.556	0.08%	96.94%
50.0	25.348	2.149	2241.705	0.08%	97.03%
51.0	24.689	2.117	2243.822	0.08%	97.12%
52.0	24.345	2.104	2245.926	0.08%	97.21%
53.0	24.126	2.108	2248.035	0.08%	97.30%
54.0	24.038	2.123	2250.158	0.08%	97.40%
55.0	24.075	2.148	2252.305	0.08%	97.49%
56.0	24.155	2.179	2254.485	0.08%	97.58%
57.0	24.206	2.211	2256.696	0.08%	97.68%
58.0	24.133	2.235	2258.931	0.08%	97.78%
59.0	23.906	2.246	2261.177	0.08%	97.87%
60.0	23.424	2.236	2263.413	0.08%	97.97%
61.0	22.773	2.205	2265.618	0.08%	98.07%
62.0	21.880	2.152	2267.77	0.08%	98.16%
63.0	20.783	2.075	2269.844	0.08%	98.25%
64.0	19.466	1.975	2271.819	0.07%	98.33%
65.0	18.237	1.866	2273.685	0.07%	98.41%
66.0	17.037	1.760	2275.445	0.06%	98.49%
67.0	16.145	1.668	2277.114	0.06%	98.56%
68.0	15.574	1.607	2278.721	0.06%	98.63%
69.0	15.216	1.571	2280.291	0.06%	98.70%
70.0	15.099	1.557	2281.848	0.06%	98.77%
71.0	15.318	1.572	2283.42	0.06%	98.84%
72.0	15.545	1.605	2285.025	0.06%	98.91%
73.0	15.940	1.646	2286.672	0.06%	98.98%
74.0	16.328	1.696	2288.368	0.06%	99.05%
75.0	16.511	1.735	2290.103	0.06%	99.13%

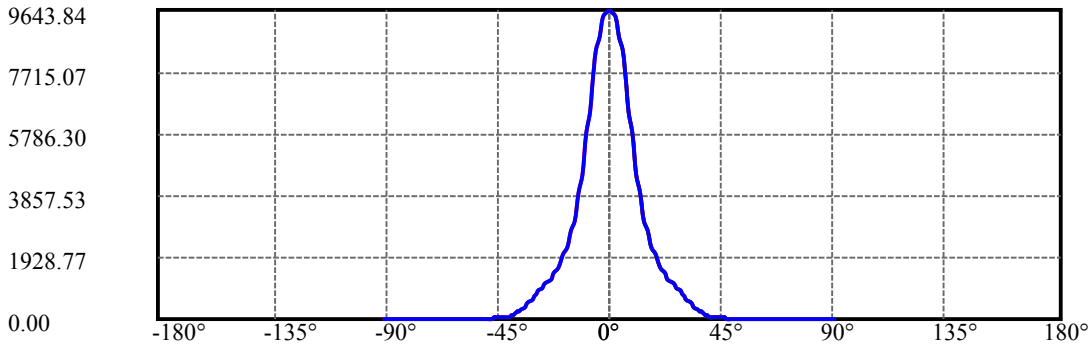
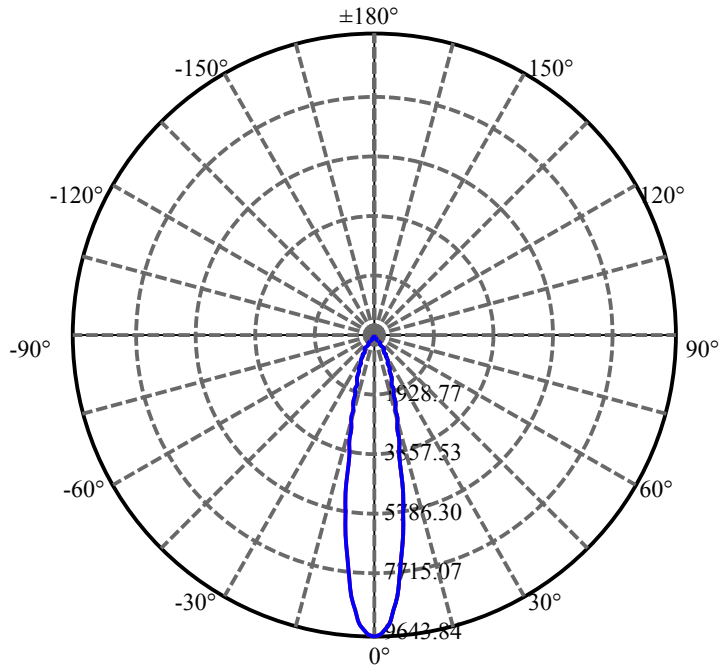
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.416	1.748	2291.851	0.06%	99.20%
77.0	16.042	1.731	2293.581	0.06%	99.28%
78.0	15.465	1.687	2295.268	0.06%	99.35%
79.0	14.565	1.613	2296.882	0.06%	99.42%
80.0	13.482	1.512	2298.394	0.06%	99.48%
81.0	12.268	1.393	2299.786	0.05%	99.54%
82.0	11.617	1.295	2301.081	0.05%	99.60%
83.0	11.353	1.249	2302.33	0.05%	99.65%
84.0	11.170	1.227	2303.557	0.05%	99.71%
85.0	10.900	1.205	2304.762	0.04%	99.76%
86.0	10.534	1.172	2305.933	0.04%	99.81%
87.0	10.081	1.128	2307.061	0.04%	99.86%
88.0	9.927	1.096	2308.157	0.04%	99.91%
89.0	9.781	1.080	2309.238	0.04%	99.95%
90.0	9.729	1.070	2310.307	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2001.20	73.41%	86.62%
0-40	2210.95	81.11%	95.70%
0-60	2263.41	83.03%	97.97%
0-90	2309.24	84.71%	99.95%
0-120	2309.24	84.71%	99.95%
0-180	2310.31	84.75%	100.00%
60-90	45.82	1.68%	1.98%
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%
0-26.58	1848.25	67.80%	80.00%

ZONAL LUMEN SUMMARY

0-10	690.00
10-20	792.29
20-30	518.91
30-40	209.75
40-50	30.76
50-60	21.71
60-70	18.43
70-80	16.55
80-90	10.84
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



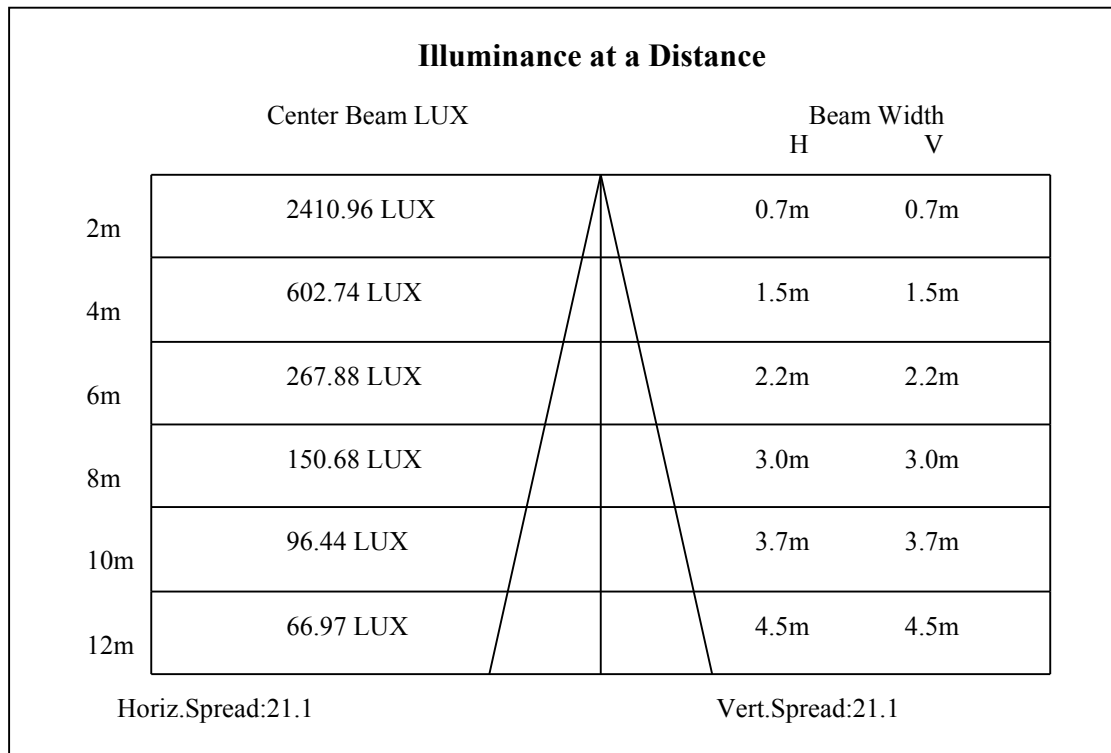
C0(Max): —————

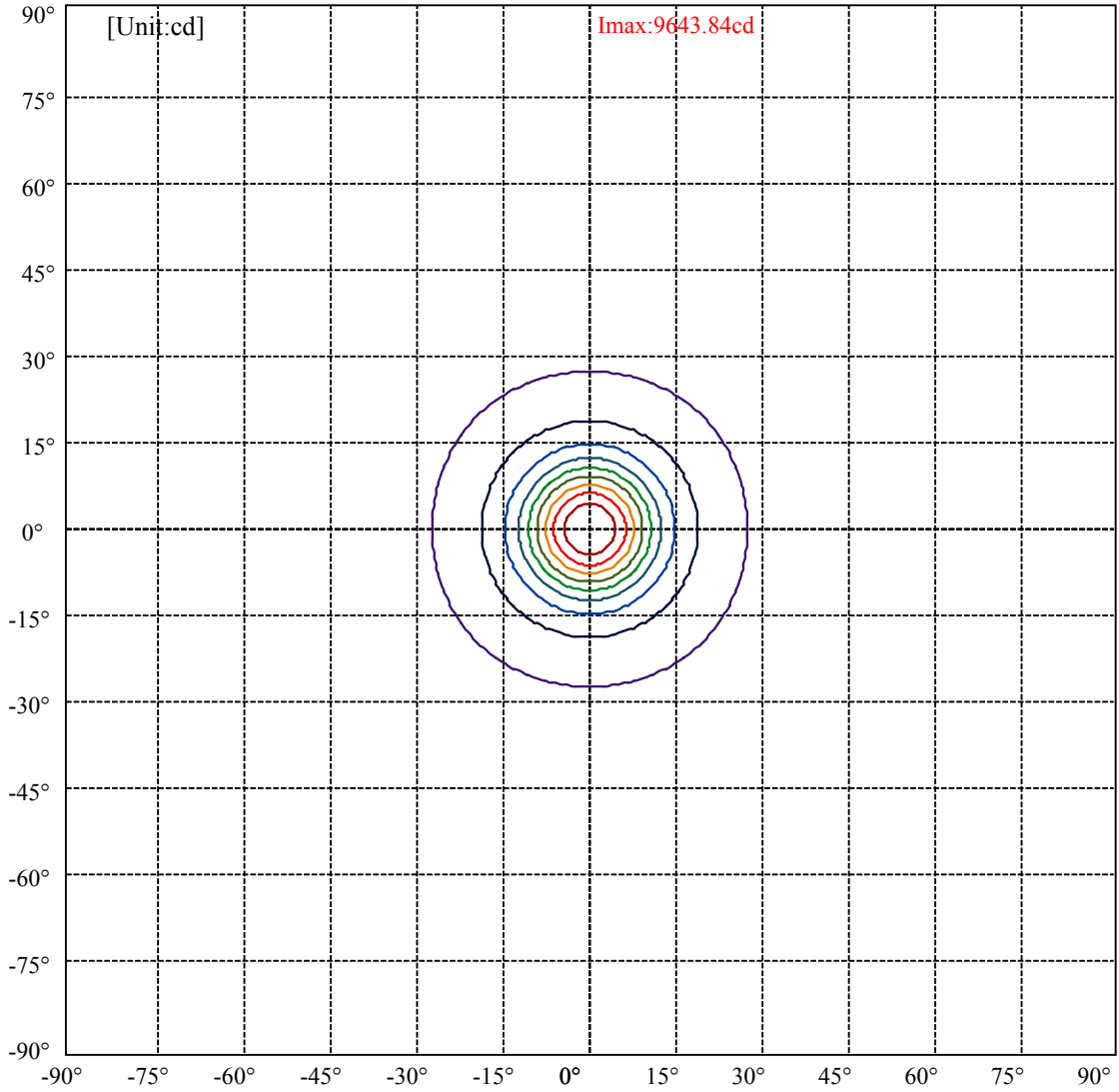
C0/C180: —————

C90/C270: —————

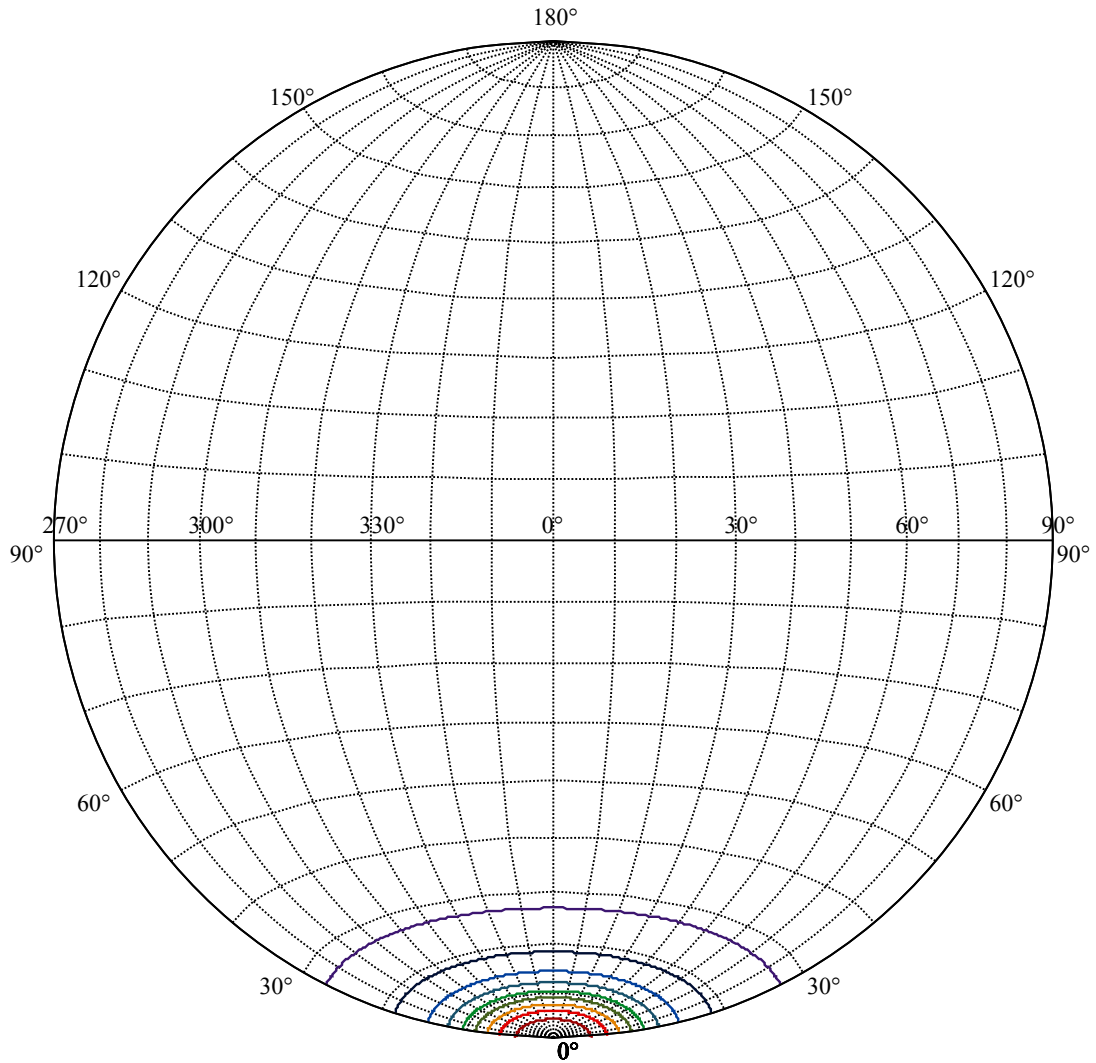
Field angle(10%Imax):C0/180Left:27.0 Right:27.0
:C90/270Left:27.0 Right:27.0

Beam Angle(50%Imax):C0/180Left:10.5 Right:10.5
:C90/270Left:10.5 Right:10.5





(10%Imax) 964.384	—
(20%Imax) 1928.77	—
(30%Imax) 2893.15	—
(40%Imax) 3857.53	—
(50%Imax) 4821.92	—
(60%Imax) 5786.3	—
(70%Imax) 6750.69	—
(80%Imax) 7715.07	—
(90%Imax) 8679.45	—



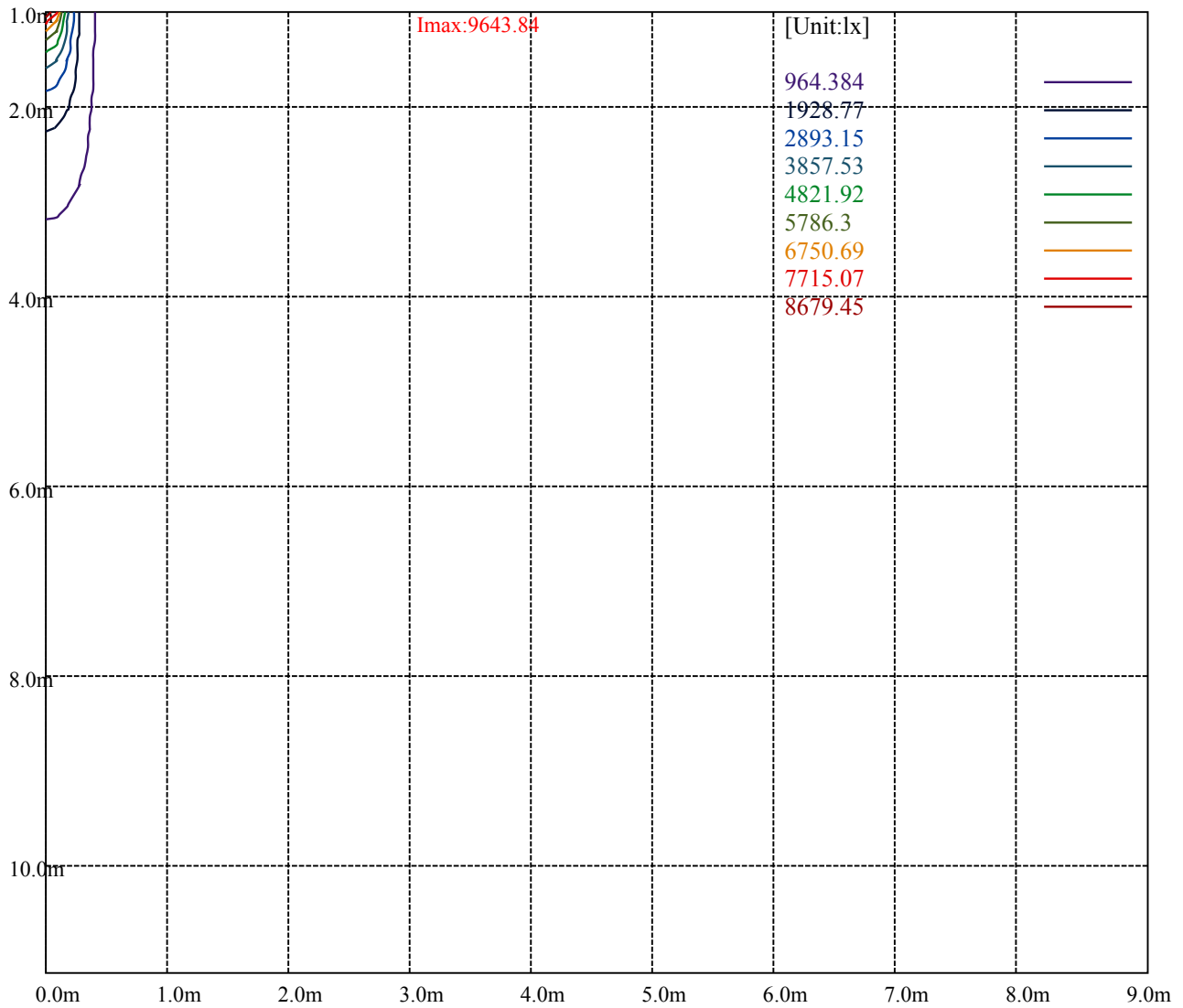
House

[Unit:cd]

Road

I_{max}:9643.84

(10%I _{max}) 964.384	—
(20%I _{max}) 1928.77	—
(30%I _{max}) 2893.15	—
(40%I _{max}) 3857.53	—
(50%I _{max}) 4821.92	—
(60%I _{max}) 5786.3	—
(70%I _{max}) 6750.69	—
(80%I _{max}) 7715.07	—
(90%I _{max}) 8679.45	—



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

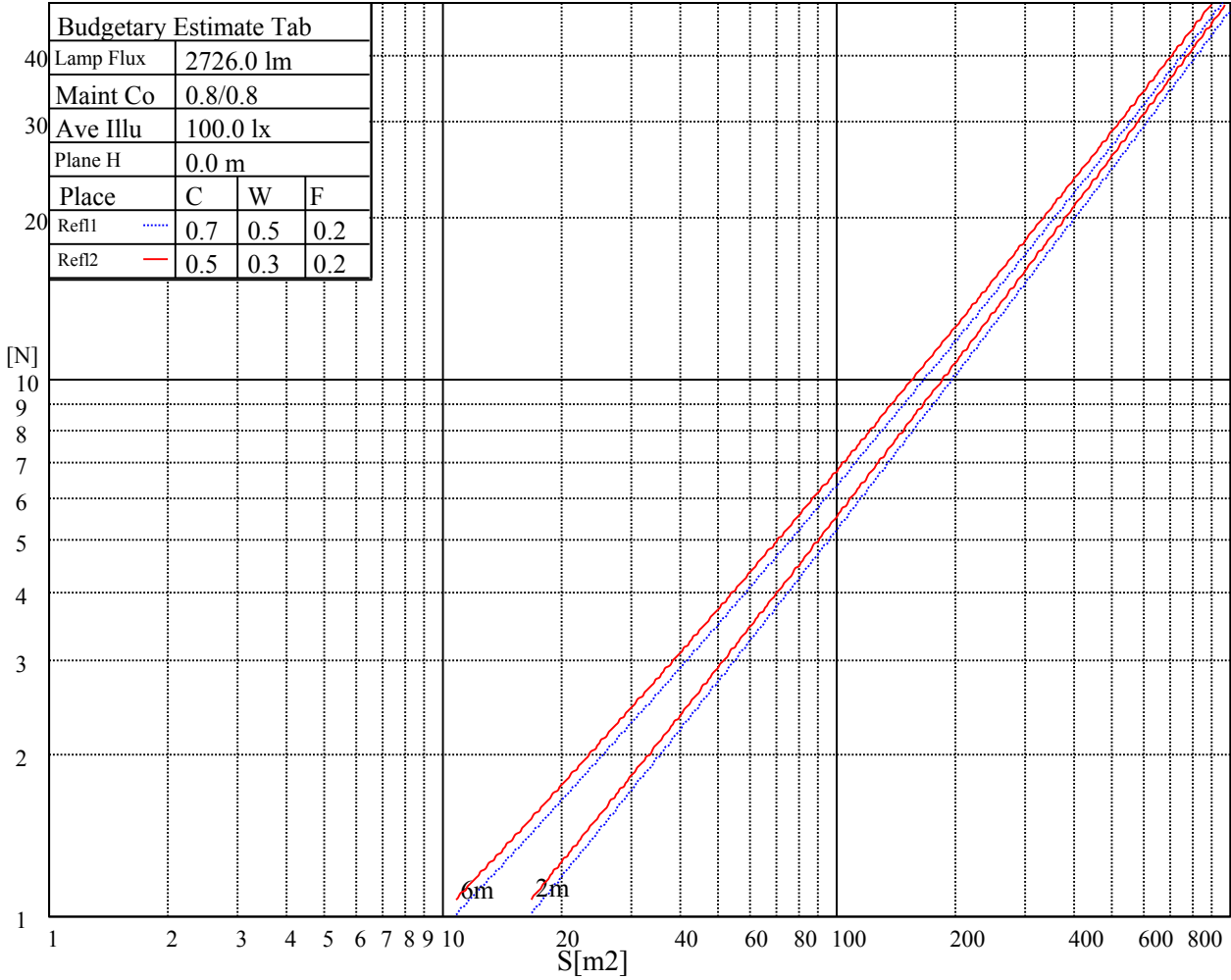
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

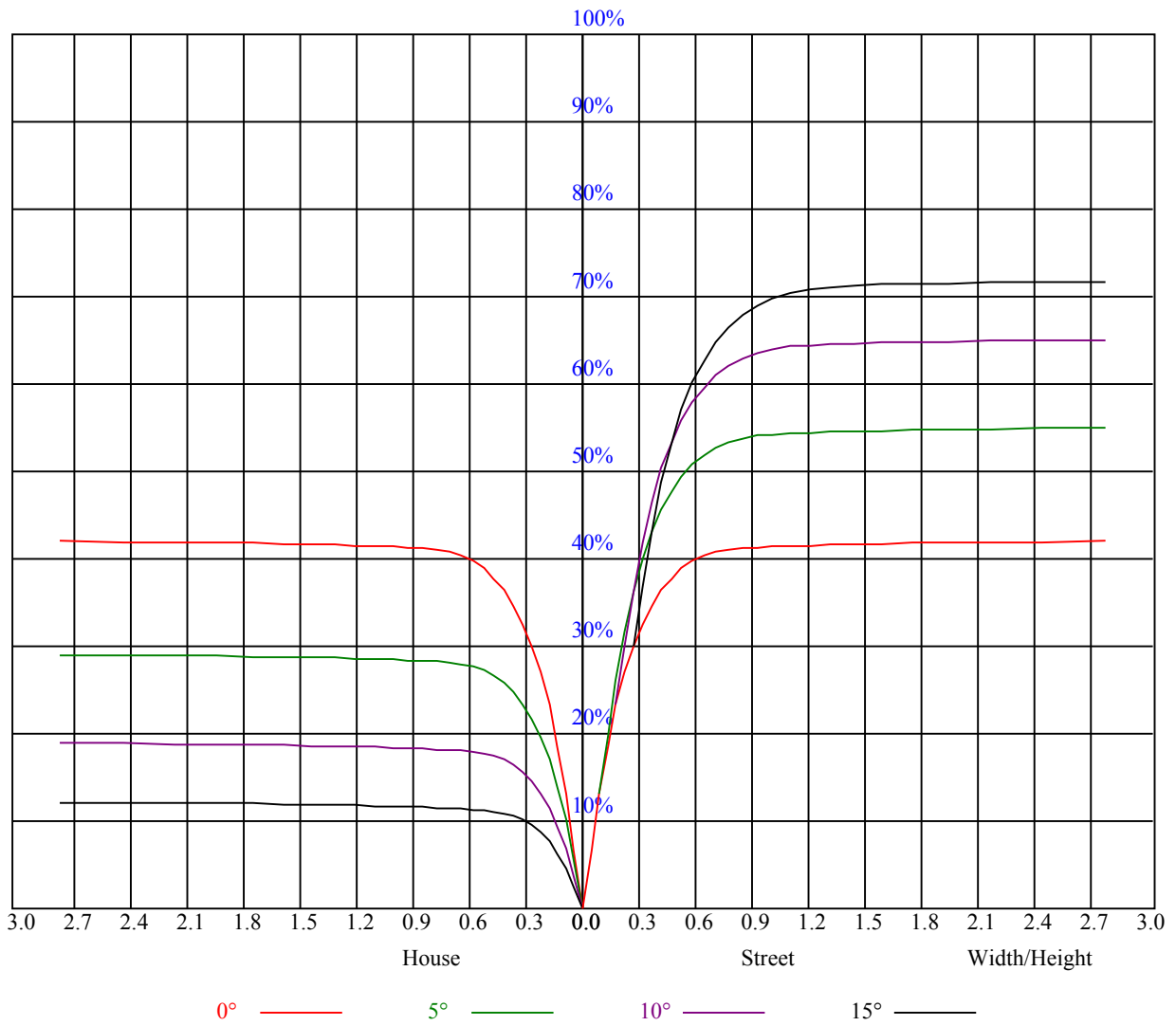


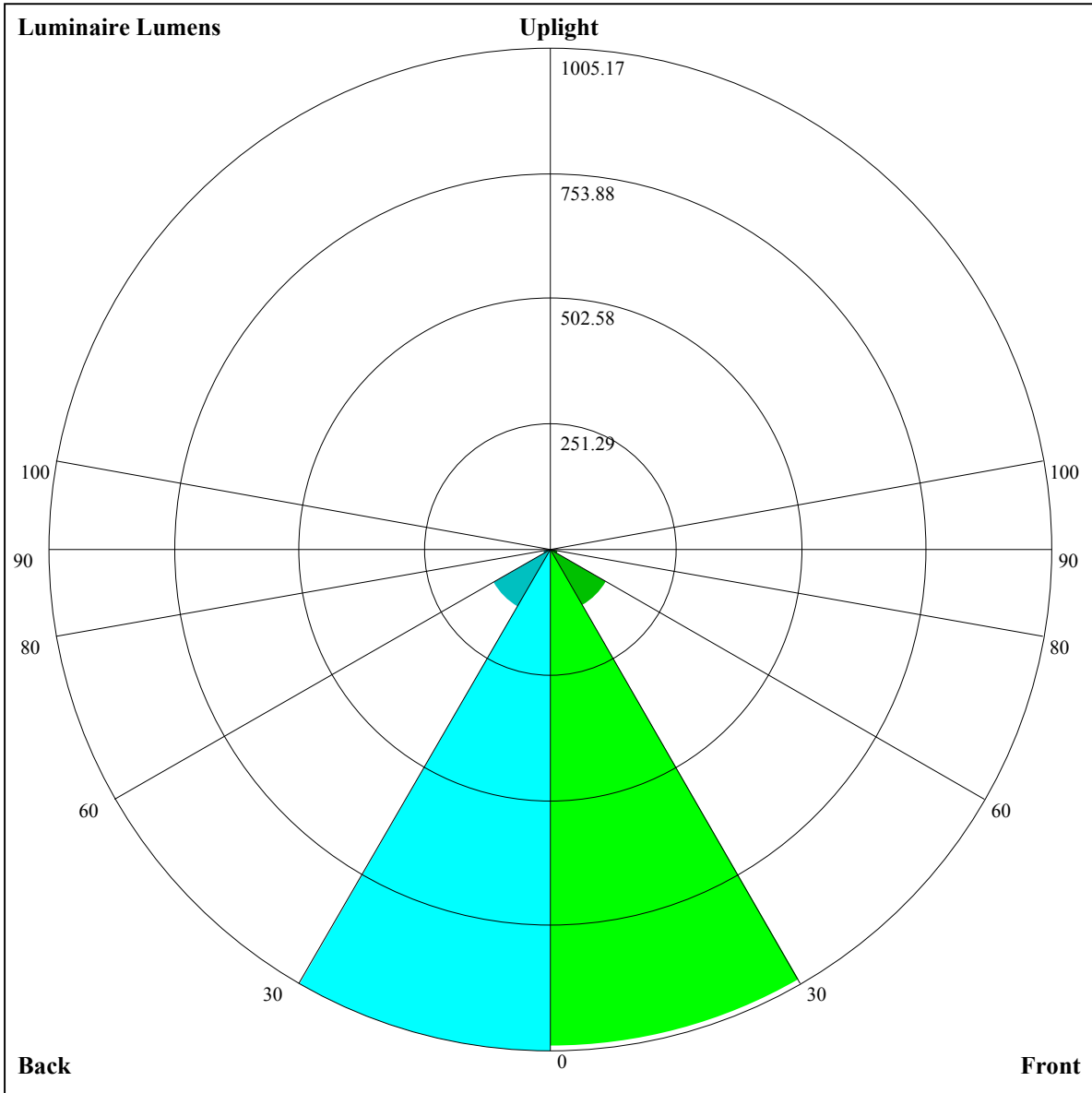
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.01	1.01	1.01	0.99	0.99	0.99	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.85
1	0.95	0.93	0.91	0.93	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.80
2	0.89	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.80	0.81	0.79	0.78	0.77
3	0.85	0.81	0.78	0.84	0.80	0.78	0.82	0.79	0.77	0.80	0.77	0.75	0.78	0.76	0.74	0.73
4	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.72	0.70	0.68	0.67
6	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
7	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
8	0.68	0.64	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.66	0.63	0.61	0.60
9	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.56





Luminaire Lumens:
FL=995.76,FM=130.95,FH=17.59,FVH=6.04
BL=1005.17,BM=134,BH=17.39,BVH=5.94
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	9660.37	9579.02	9413.40	9160.00	8698.84	8226.57	7688.16	7071.92	6245.58
45.0	9620.57	9655.10	9629.94	9468.41	9217.94	8755.61	8283.92	7732.64	6954.87
90.0	9663.88	9588.97	9376.53	9088.60	8712.89	8235.93	7677.04	6867.09	6190.57
135.0	9630.52	9648.66	9579.02	9384.14	9100.31	8723.42	8250.56	7551.22	6919.76
180.0	9660.37	9639.88	9524.60	9330.30	9039.44	8549.03	8066.80	7502.06	6708.49
225.0	9620.57	9437.98	9211.50	8882.02	8467.68	7980.77	7255.09	6624.81	5987.50
270.0	9663.88	9634.03	9507.62	9294.60	8922.98	8522.10	8039.88	7330.59	6718.44
315.0	9630.52	9487.14	9291.09	9001.40	8499.28	8003.60	7448.80	6659.33	5989.84
360.0	9660.37	9579.02	9413.40	9160.00	8698.84	8226.57	7688.16	7071.92	6245.58
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5599.49	4990.27	4295.02	3804.02	3284.34	2940.23	2644.11	2390.70	2174.75
45.0	6280.69	5621.73	5009.58	4311.41	3816.90	3389.68	3021.58	2640.59	2388.36
90.0	5524.00	4911.85	4217.19	3735.55	3324.72	2891.66	2607.82	2364.95	2099.85
135.0	6254.94	5455.53	4862.69	4312.00	3710.97	3307.75	2954.86	2588.51	2345.64
180.0	6055.38	5418.07	4676.59	4146.38	3559.98	3179.00	2842.50	2569.20	2280.10
225.0	5361.30	4637.38	4112.43	3548.28	3166.71	2840.16	2502.48	2273.66	2072.93
270.0	6075.28	5439.72	4707.61	4172.13	3699.27	3291.36	2869.42	2586.75	2299.41
315.0	5353.70	4628.02	4108.92	3646.60	3250.40	2834.89	2559.83	2323.99	2119.16
360.0	5599.49	4990.27	4295.02	3804.02	3284.34	2940.23	2644.11	2390.70	2174.75
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1947.69	1789.68	1646.30	1492.97	1382.95	1149.79	1149.79	1090.04	1015.78
45.0	2171.24	1989.82	1790.26	1644.54	1485.94	1377.09	1277.60	1169.92	1088.58
90.0	1922.52	1732.91	1595.97	1473.66	1362.46	1153.24	1153.24	1075.29	998.63
135.0	2136.13	1957.05	1763.34	1626.40	1506.43	1398.16	1279.95	1192.16	1090.33
180.0	2073.51	1895.60	1754.56	1586.02	1461.95	1367.14	1251.85	1167.00	1072.78
225.0	1900.28	1714.18	1586.02	1471.31	1345.49	1151.96	1151.96	1094.49	1002.08
270.0	2091.07	1916.09	1742.86	1602.40	1480.09	1384.12	1270.00	1185.72	1113.16
315.0	1902.04	1752.22	1621.13	1474.83	1371.24	1155.94	1155.94	1098.94	1022.45
360.0	1947.69	1789.68	1646.30	1492.97	1382.95	1149.79	1149.79	1090.04	1015.78
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	922.26	844.60	767.46	666.34	585.99	505.05	428.15	342.30	282.08
45.0	1010.74	935.25	837.52	757.92	676.58	595.82	498.08	424.35	356.46
90.0	903.35	824.46	745.58	662.59	561.93	482.46	407.43	323.34	263.64
135.0	1012.50	935.83	835.76	755.00	673.07	591.14	490.48	416.15	347.68
180.0	994.94	919.45	822.30	739.20	653.75	575.33	472.34	399.18	333.64
225.0	929.45	853.02	753.07	669.50	587.92	486.97	411.65	344.87	270.08
270.0	1037.08	946.37	870.87	789.53	685.36	601.67	518.57	419.08	350.61
315.0	932.44	852.50	771.09	687.81	584.76	501.65	425.22	356.40	279.50
360.0	922.26	844.60	767.46	666.34	585.99	505.05	428.15	342.30	282.08
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	227.65	180.42	132.20	102.36	80.64	61.39	50.74	41.84	37.10
45.0	295.01	295.01	172.00	123.89	94.98	70.64	57.00	47.58	40.97
90.0	197.92	155.26	119.74	92.29	68.53	55.54	46.23	39.91	34.59
135.0	300.86	300.86	166.50	128.63	98.49	72.57	58.64	48.63	40.26
180.0	303.79	303.79	162.28	127.05	98.84	72.74	58.70	46.76	40.50
225.0	216.18	169.77	131.68	94.57	73.15	58.41	48.05	39.56	35.11
270.0	302.62	302.62	167.20	129.33	99.55	72.28	57.82	47.70	39.39
315.0	224.32	177.44	129.86	100.48	78.30	59.22	49.16	40.56	36.05
360.0	227.65	180.42	132.20	102.36	80.64	61.39	50.74	41.84	37.10

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	33.71	31.13	28.91	27.56	26.57	25.63	25.11	24.81	24.64
45.0	36.40	32.36	30.08	28.38	26.69	25.75	25.05	24.58	24.23
90.0	31.60	29.38	27.39	26.16	25.34	24.46	23.99	23.76	23.64
135.0	35.76	32.01	29.79	28.15	26.57	25.69	25.05	24.64	24.35
180.0	36.11	32.89	30.14	28.44	27.21	26.22	25.34	24.81	24.58
225.0	31.37	29.14	27.56	26.10	25.16	24.64	24.05	23.94	23.82
270.0	34.82	31.60	29.32	27.21	25.98	25.05	24.23	23.76	23.53
315.0	32.83	30.43	28.27	26.98	26.04	25.34	24.70	24.46	24.23
360.0	33.71	31.13	28.91	27.56	26.57	25.63	25.11	24.81	24.64
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.52	24.52	24.58	24.64	24.46	24.17	23.41	22.71	21.71
45.0	24.11	24.11	24.17	24.23	24.29	24.23	23.94	23.35	22.59
90.0	23.58	23.64	23.76	23.76	23.58	23.41	22.82	22.30	21.42
135.0	24.17	24.17	24.23	24.29	24.29	24.23	23.94	23.41	22.82
180.0	24.29	24.35	24.29	24.35	24.23	23.99	23.53	22.94	22.18
225.0	23.94	23.99	24.17	24.17	24.11	23.53	23.00	22.18	20.83
270.0	23.41	23.53	23.58	23.76	23.76	23.70	23.47	22.77	22.00
315.0	24.29	24.29	24.46	24.46	24.35	23.99	23.29	22.53	21.48
360.0	24.52	24.52	24.58	24.64	24.46	24.17	23.41	22.71	21.71
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.42	19.14	18.02	16.97	16.50	16.56	16.97	17.67	18.67
45.0	21.71	20.72	19.49	17.97	16.80	16.04	15.33	14.86	14.46
90.0	20.54	19.02	17.91	16.56	15.80	15.27	14.98	15.33	15.80
135.0	21.71	20.60	19.43	17.91	16.85	16.15	15.57	15.22	15.68
180.0	20.89	19.72	18.43	17.32	16.21	15.57	15.10	14.92	15.80
225.0	19.66	17.97	16.85	15.92	15.22	14.57	14.16	13.87	13.58
270.0	20.95	19.84	18.20	17.09	15.92	15.27	14.75	14.28	13.99
315.0	20.37	18.73	17.56	16.56	15.86	15.16	14.86	14.63	14.57
360.0	20.42	19.14	18.02	16.97	16.50	16.56	16.97	17.67	18.67
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.20	19.25	18.96	18.43	17.67	16.91	16.21	15.27	14.46
45.0	14.10	13.81	13.52	13.34	13.23	12.99	12.87	12.76	12.64
90.0	16.56	17.67	18.61	19.25	19.37	18.79	17.62	15.63	13.11
135.0	16.44	17.50	19.08	20.19	21.01	21.07	20.42	18.61	16.44
180.0	16.21	16.09	15.74	15.22	14.46	13.93	13.46	12.99	12.41
225.0	13.23	13.05	12.82	12.58	12.41	12.23	12.00	11.82	11.65
270.0	13.75	14.16	14.98	15.57	15.80	15.68	15.22	14.69	13.52
315.0	14.86	15.98	16.91	17.50	17.38	16.74	15.92	14.75	13.64
360.0	19.20	19.25	18.96	18.43	17.67	16.91	16.21	15.27	14.46
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.87	11.59	11.24	10.89	10.77	10.48	10.12	9.95	9.77
45.0	12.58	12.52	12.47	12.52	12.58	12.47	10.24	10.01	9.89
90.0	12.23	11.88	11.76	11.76	10.94	10.24	10.01	9.89	9.71
135.0	13.52	11.70	11.35	11.12	10.89	10.42	10.18	10.01	9.83
180.0	11.88	11.41	11.12	10.89	10.65	10.24	10.07	9.95	9.77
225.0	11.35	11.18	10.94	10.71	10.24	10.07	9.95	9.83	9.71
270.0	11.76	11.24	11.00	10.83	10.65	10.24	10.07	9.95	9.83
315.0	11.94	11.41	10.94	10.65	10.48	10.12	10.01	9.83	9.71
360.0	12.87	11.59	11.24	10.89	10.77	10.48	10.12	9.95	9.77

Intensity data(cd)

<i>C/γ</i> (°)	90.0
0.0	9.83
45.0	9.71
90.0	9.71
135.0	9.71
180.0	9.71
225.0	9.71
270.0	9.71
315.0	9.71
360.0	9.83