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Nata

Client:

LumCAT: 2-2519-L

Luminaire: 92.70.411.00

Report No: 2024911-B002

Ballast type: AC

Test No: 2024911-C002

Voltage(V): 33.940

LampCAT: NICHIA NFCWJ120B-V3

Current(A): 0.580

Lamp flux(lm): 2595.0

Power (W): 19.690

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2345.77, Efficiency(%): 90.40% , Luminous Efficacy(lm/W): 119.14

Central intensity(cd): 7797.240, Maximum intensity(cd): 7797.240

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=26.4

[C90/270]Total=26.4

Field angle(10%Imax): [C0/180]Total=57.2

[C90/270]Total=57.2

Maximum s/h(1/2): C0_180=0.44 C90_270=0.44

Maximum s/h(1/4): C0_180=0.48 C90_270=0.48

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 90.40%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.961%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/9/11
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	7797.240	0.000	0	0.00%	0.00%
1.0	7784.073	7.455	7.455	0.29%	0.32%
2.0	7678.277	22.193	29.648	0.86%	1.26%
3.0	7533.198	36.381	66.029	1.40%	2.81%
4.0	7337.640	49.777	115.807	1.92%	4.94%
5.0	7063.592	61.953	177.76	2.39%	7.58%
6.0	6762.921	72.662	250.422	2.80%	10.68%
7.0	6414.563	81.792	332.214	3.15%	14.16%
8.0	6026.284	89.037	421.251	3.43%	17.96%
9.0	5618.373	94.374	515.625	3.64%	21.98%
10.0	5197.643	97.881	613.506	3.77%	26.15%
11.0	4783.398	99.731	713.237	3.84%	30.41%
12.0	4372.142	100.083	813.32	3.86%	34.67%
13.0	3980.170	99.121	912.441	3.82%	38.90%
14.0	3608.961	97.140	1009.581	3.74%	43.04%
15.0	3267.009	94.396	1103.978	3.64%	47.06%
16.0	2954.788	91.167	1195.144	3.51%	50.95%
17.0	2670.628	87.603	1282.747	3.38%	54.68%
18.0	2430.497	84.106	1366.854	3.24%	58.27%
19.0	2215.299	80.827	1447.681	3.11%	61.71%
20.0	1984.905	76.875	1524.556	2.96%	64.99%
21.0	1803.341	72.742	1597.298	2.80%	68.09%
22.0	1627.250	68.939	1666.237	2.66%	71.03%
23.0	1462.854	64.839	1731.076	2.50%	73.80%
24.0	1325.285	60.959	1792.035	2.35%	76.39%
25.0	1211.434	57.679	1849.714	2.22%	78.85%
26.0	1058.674	53.586	1903.301	2.06%	81.14%
27.0	966.506	49.546	1952.847	1.91%	83.25%
28.0	851.572	46.030	1998.877	1.77%	85.21%
29.0	739.160	41.618	2040.495	1.60%	86.99%
30.0	632.123	37.024	2077.519	1.43%	88.56%
31.0	530.862	32.364	2109.883	1.25%	89.94%
32.0	440.316	27.823	2137.707	1.07%	91.13%
33.0	370.257	23.880	2161.586	0.92%	92.15%
34.0	310.165	20.592	2182.178	0.79%	93.03%
35.0	227.241	16.690	2198.868	0.64%	93.74%
36.0	191.695	13.339	2212.207	0.51%	94.31%
37.0	160.151	11.475	2223.682	0.44%	94.80%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	139.619	10.006	2233.688	0.39%	95.22%
39.0	111.557	8.573	2242.261	0.33%	95.59%
40.0	98.476	7.325	2249.587	0.28%	95.90%
41.0	88.436	6.656	2256.242	0.26%	96.18%
42.0	79.980	6.119	2262.361	0.24%	96.44%
43.0	72.109	5.634	2267.995	0.22%	96.68%
44.0	65.105	5.179	2273.174	0.20%	96.91%
45.0	58.817	4.762	2277.936	0.18%	97.11%
46.0	53.384	4.388	2282.324	0.17%	97.30%
47.0	48.581	4.055	2286.38	0.16%	97.47%
48.0	44.350	3.757	2290.137	0.14%	97.63%
49.0	40.697	3.492	2293.629	0.13%	97.78%
50.0	37.503	3.260	2296.889	0.13%	97.92%
51.0	34.724	3.056	2299.945	0.12%	98.05%
52.0	32.306	2.876	2302.822	0.11%	98.17%
53.0	30.276	2.722	2305.544	0.10%	98.29%
54.0	28.397	2.586	2308.13	0.10%	98.40%
55.0	26.774	2.463	2310.593	0.09%	98.50%
56.0	25.342	2.355	2312.948	0.09%	98.60%
57.0	24.054	2.258	2315.206	0.09%	98.70%
58.0	22.661	2.160	2317.366	0.08%	98.79%
59.0	21.465	2.063	2319.429	0.08%	98.88%
60.0	20.388	1.977	2321.407	0.08%	98.96%
61.0	19.074	1.883	2323.29	0.07%	99.04%
62.0	17.746	1.774	2325.064	0.07%	99.12%
63.0	16.715	1.676	2326.74	0.06%	99.19%
64.0	15.611	1.586	2328.326	0.06%	99.26%
65.0	14.520	1.491	2329.817	0.06%	99.32%
66.0	13.528	1.399	2331.217	0.05%	99.38%
67.0	12.582	1.313	2332.53	0.05%	99.44%
68.0	11.702	1.230	2333.76	0.05%	99.49%
69.0	10.841	1.150	2334.91	0.04%	99.54%
70.0	10.046	1.073	2335.983	0.04%	99.58%
71.0	9.258	0.998	2336.98	0.04%	99.63%
72.0	8.568	0.927	2337.907	0.04%	99.66%
73.0	7.871	0.860	2338.767	0.03%	99.70%
74.0	7.247	0.795	2339.562	0.03%	99.74%
75.0	6.656	0.735	2340.296	0.03%	99.77%

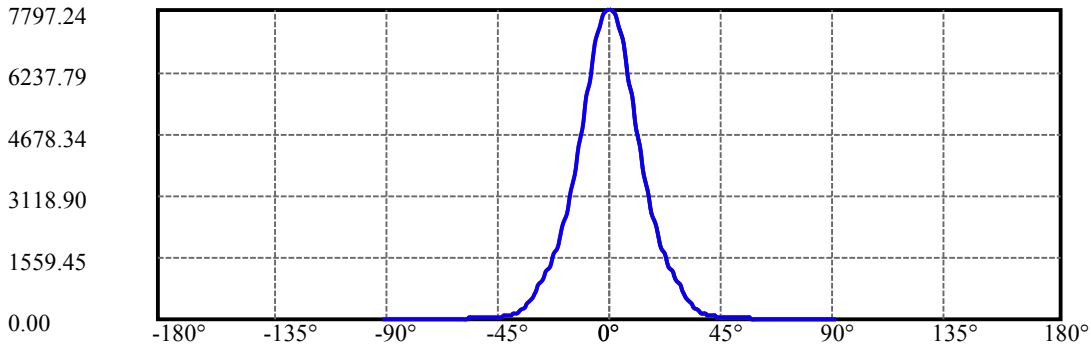
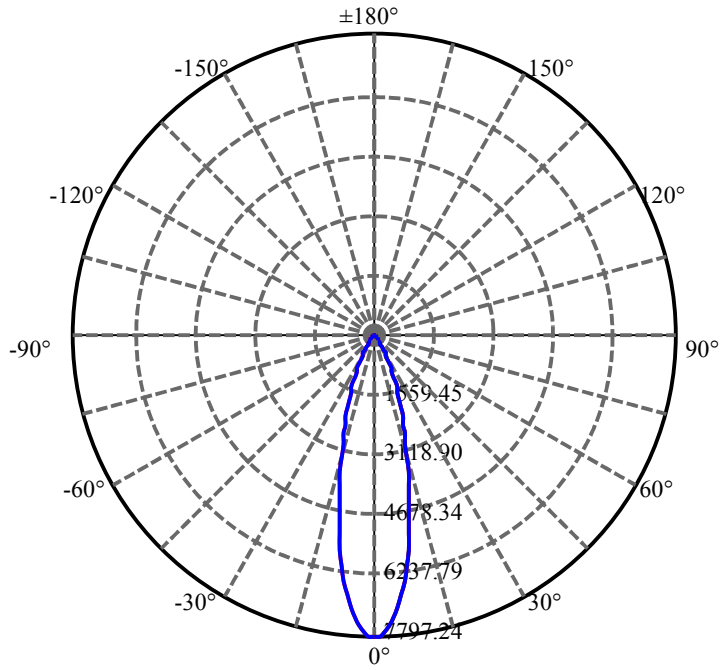
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.051	0.675	2340.971	0.03%	99.80%
77.0	5.545	0.618	2341.589	0.02%	99.82%
78.0	4.987	0.564	2342.153	0.02%	99.85%
79.0	4.540	0.512	2342.665	0.02%	99.87%
80.0	4.133	0.468	2343.132	0.02%	99.89%
81.0	3.706	0.424	2343.556	0.02%	99.91%
82.0	3.331	0.382	2343.938	0.01%	99.92%
83.0	2.924	0.340	2344.278	0.01%	99.94%
84.0	2.622	0.302	2344.58	0.01%	99.95%
85.0	2.313	0.269	2344.849	0.01%	99.96%
86.0	2.024	0.237	2345.086	0.01%	99.97%
87.0	1.748	0.206	2345.293	0.01%	99.98%
88.0	1.544	0.180	2345.473	0.01%	99.99%
89.0	1.353	0.159	2345.632	0.01%	99.99%
90.0	1.222	0.141	2345.773	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2077.52	80.06%	88.56%
0-40	2249.59	86.69%	95.90%
0-60	2321.41	89.46%	98.96%
0-90	2345.63	90.39%	99.99%
0-120	2345.63	90.39%	99.99%
0-180	2345.77	90.40%	100.00%
60-90	24.23	0.93%	1.03%
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%
0-25.50	1876.62	72.32%	80.00%

ZONAL LUMEN SUMMARY

0-10	613.51
10-20	911.05
20-30	552.96
30-40	172.07
40-50	47.30
50-60	24.52
60-70	14.58
70-80	7.15
80-90	2.50
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: —————

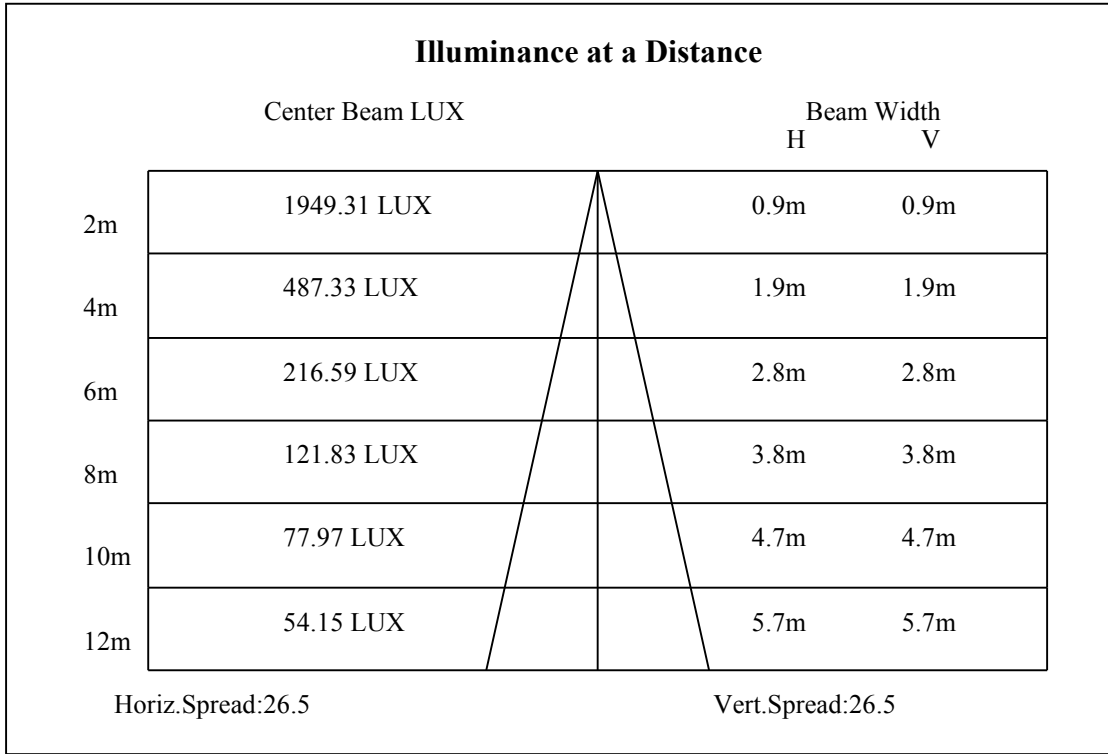
C90/C270: —————

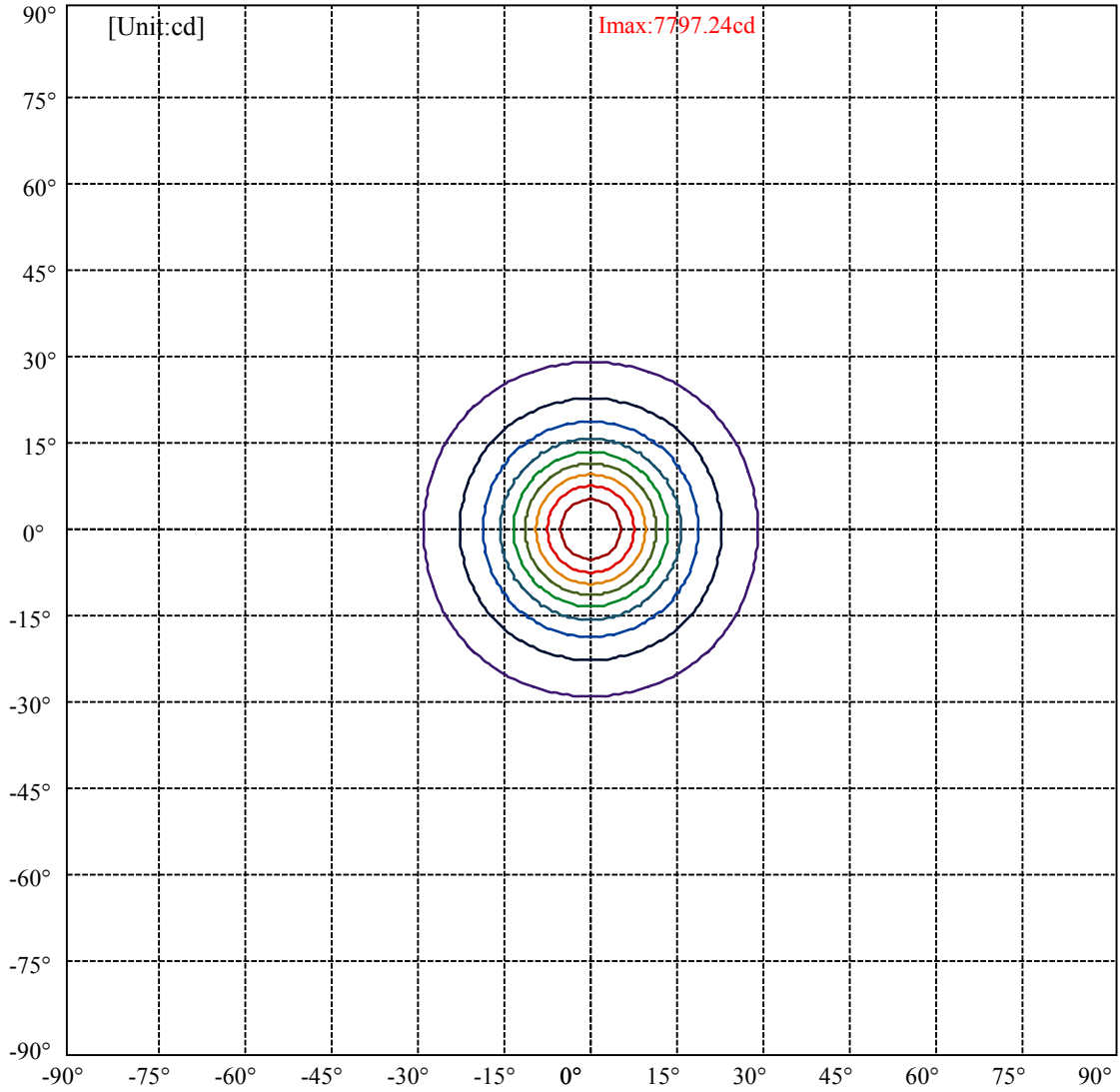
Field angle(10%Imax):C0/180Left:28.6 Right:28.6

:C90/270Left:28.6 Right:28.6

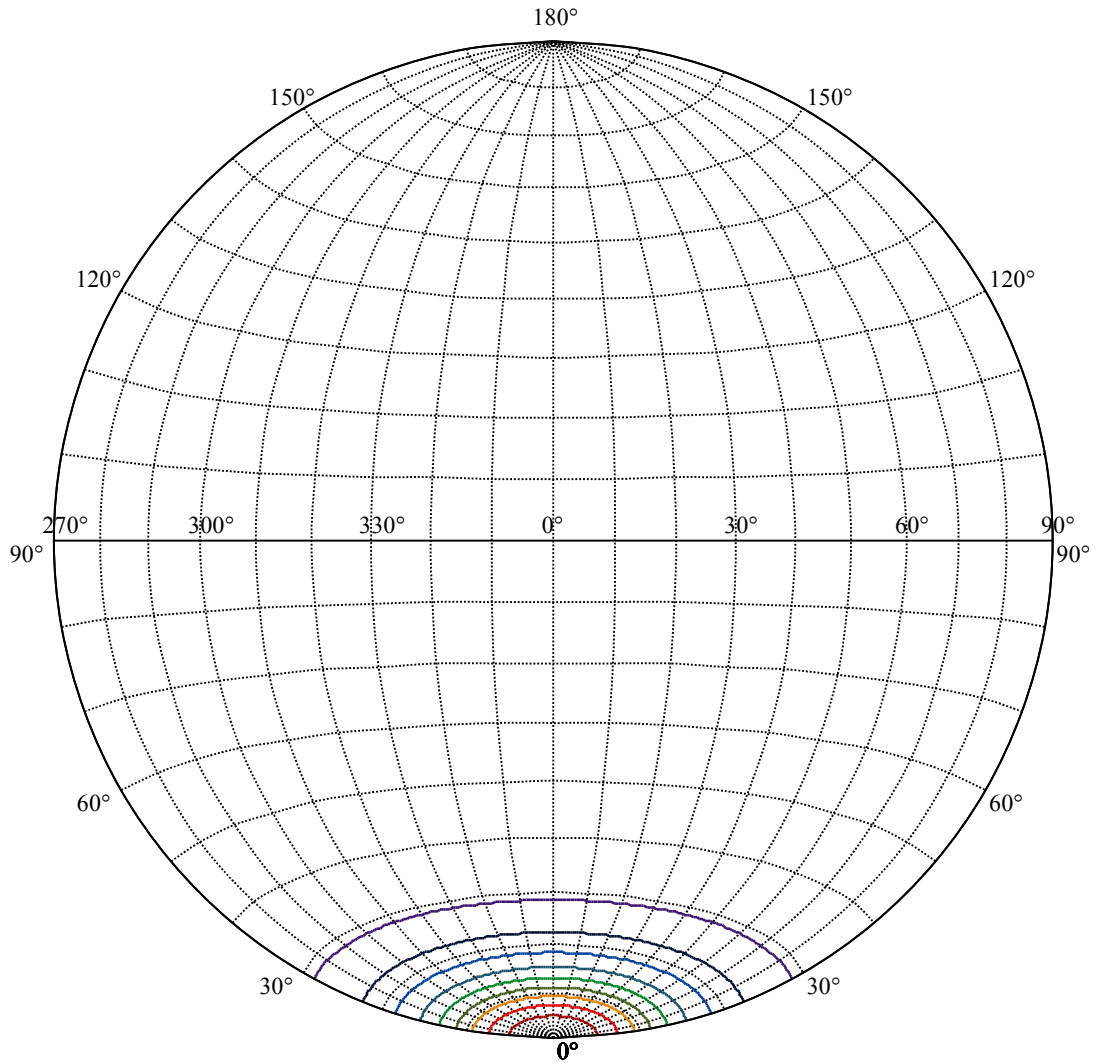
Beam Angle(50%Imax):C0/180Left:13.2 Right:13.2

:C90/270Left:13.2 Right:13.2





(10%Imax) 779.724	—
(20%Imax) 1559.45	—
(30%Imax) 2339.17	—
(40%Imax) 3118.9	—
(50%Imax) 3898.62	—
(60%Imax) 4678.34	—
(70%Imax) 5458.07	—
(80%Imax) 6237.79	—
(90%Imax) 7017.52	—



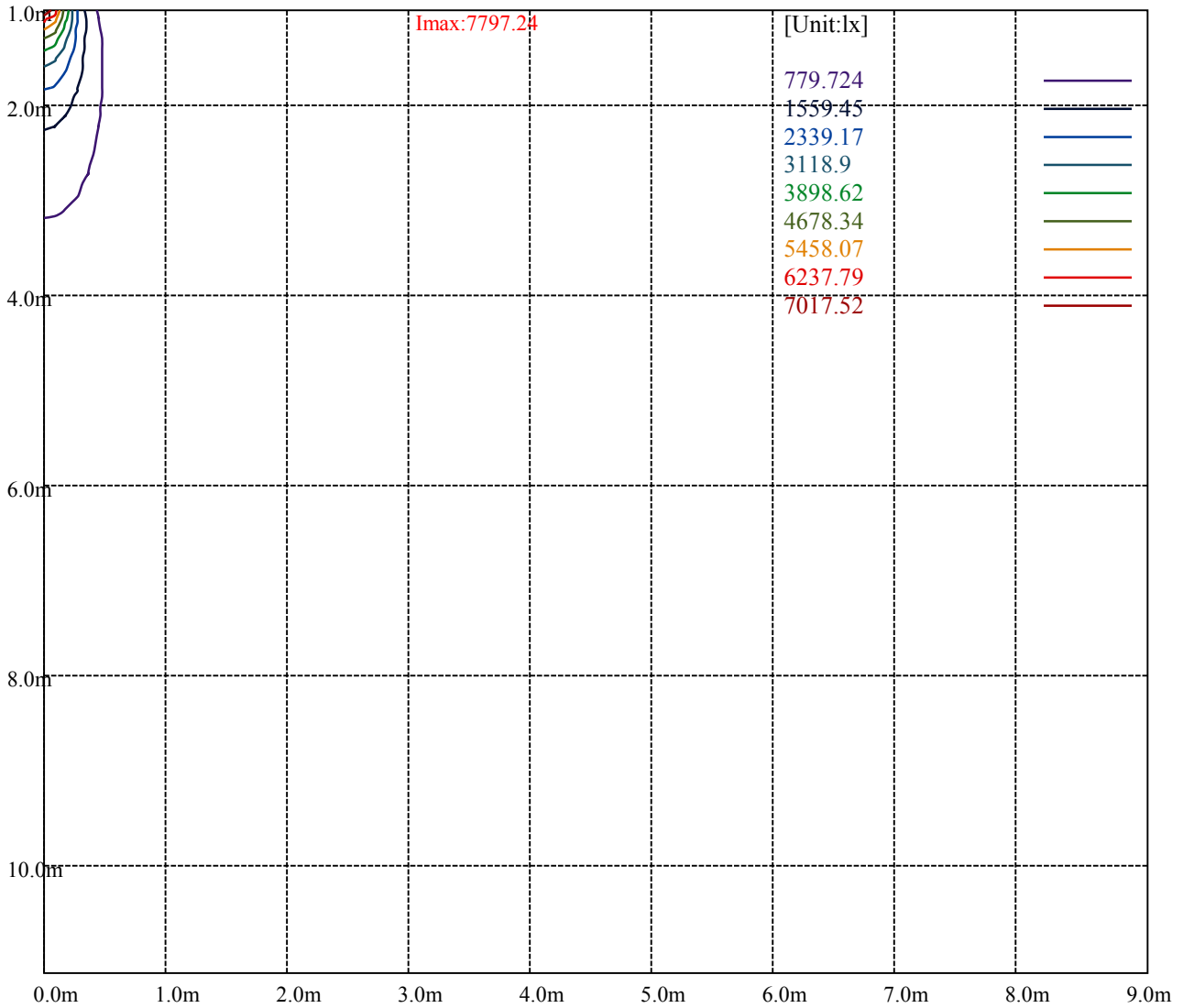
House

[Unit:cd]

Road

Imax:7797.24

(10%Imax) 779.724	—
(20%Imax) 1559.45	—
(30%Imax) 2339.17	—
(40%Imax) 3118.9	—
(50%Imax) 3898.62	—
(60%Imax) 4678.34	—
(70%Imax) 5458.07	—
(80%Imax) 6237.79	—
(90%Imax) 7017.52	—



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

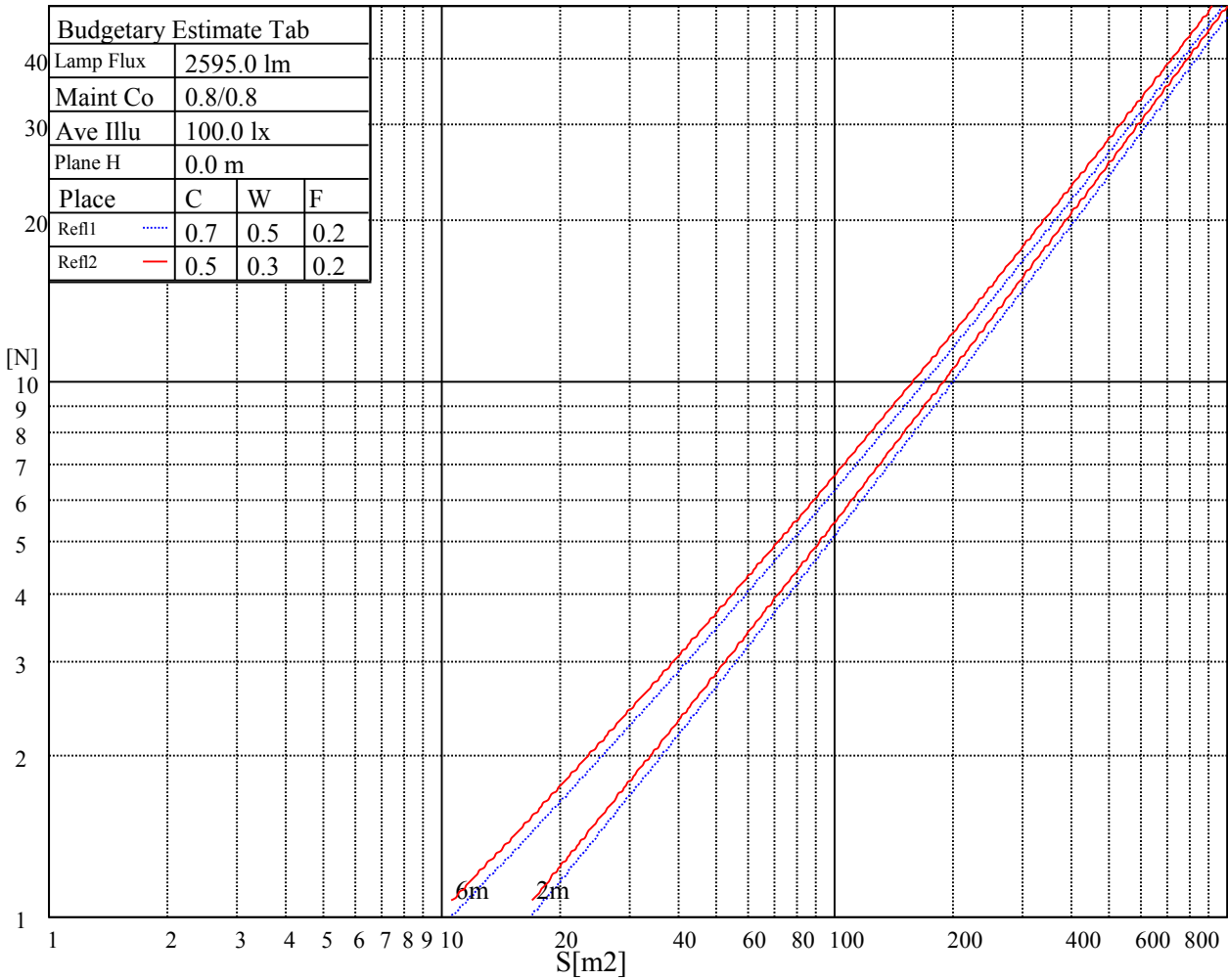
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

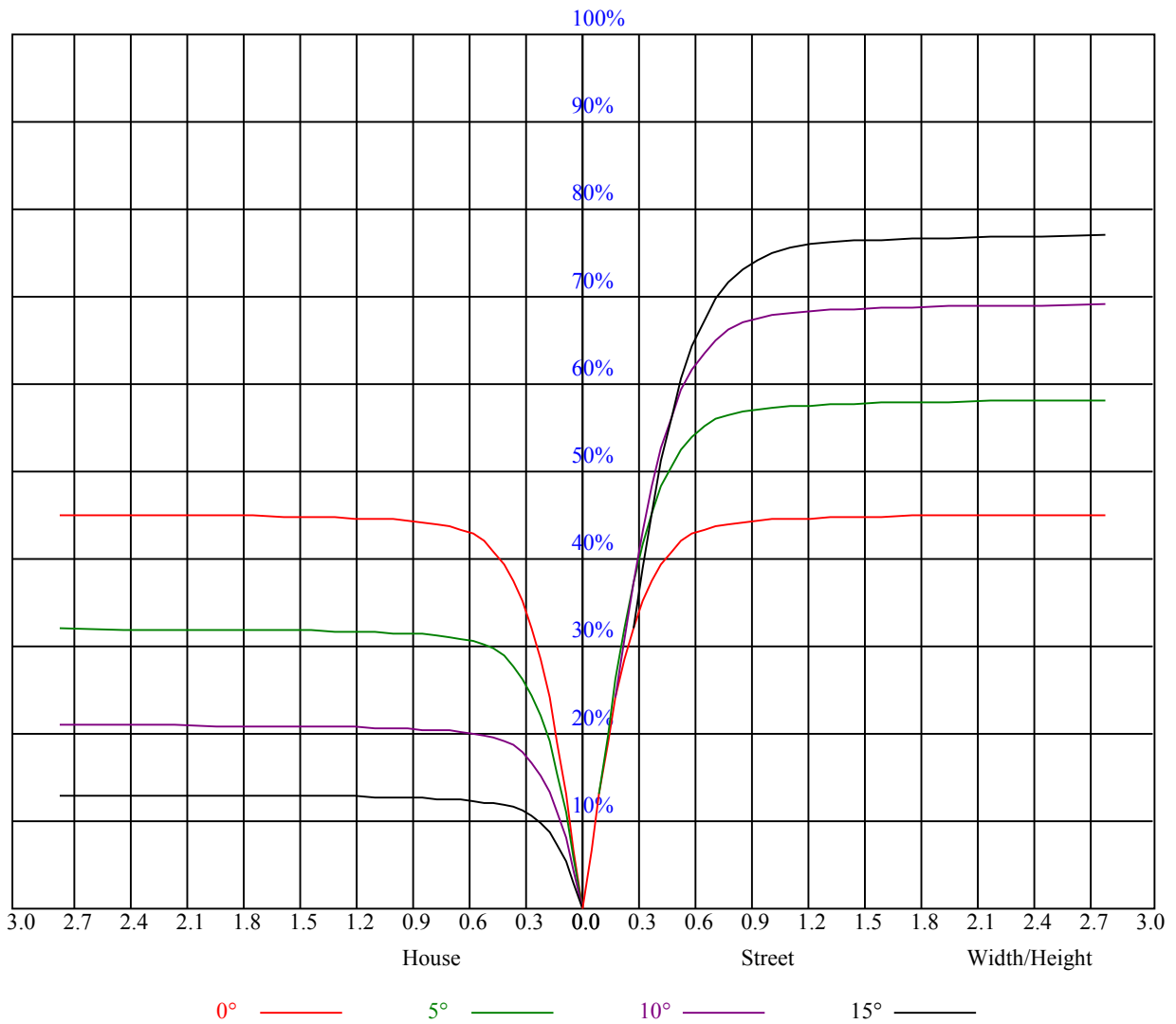


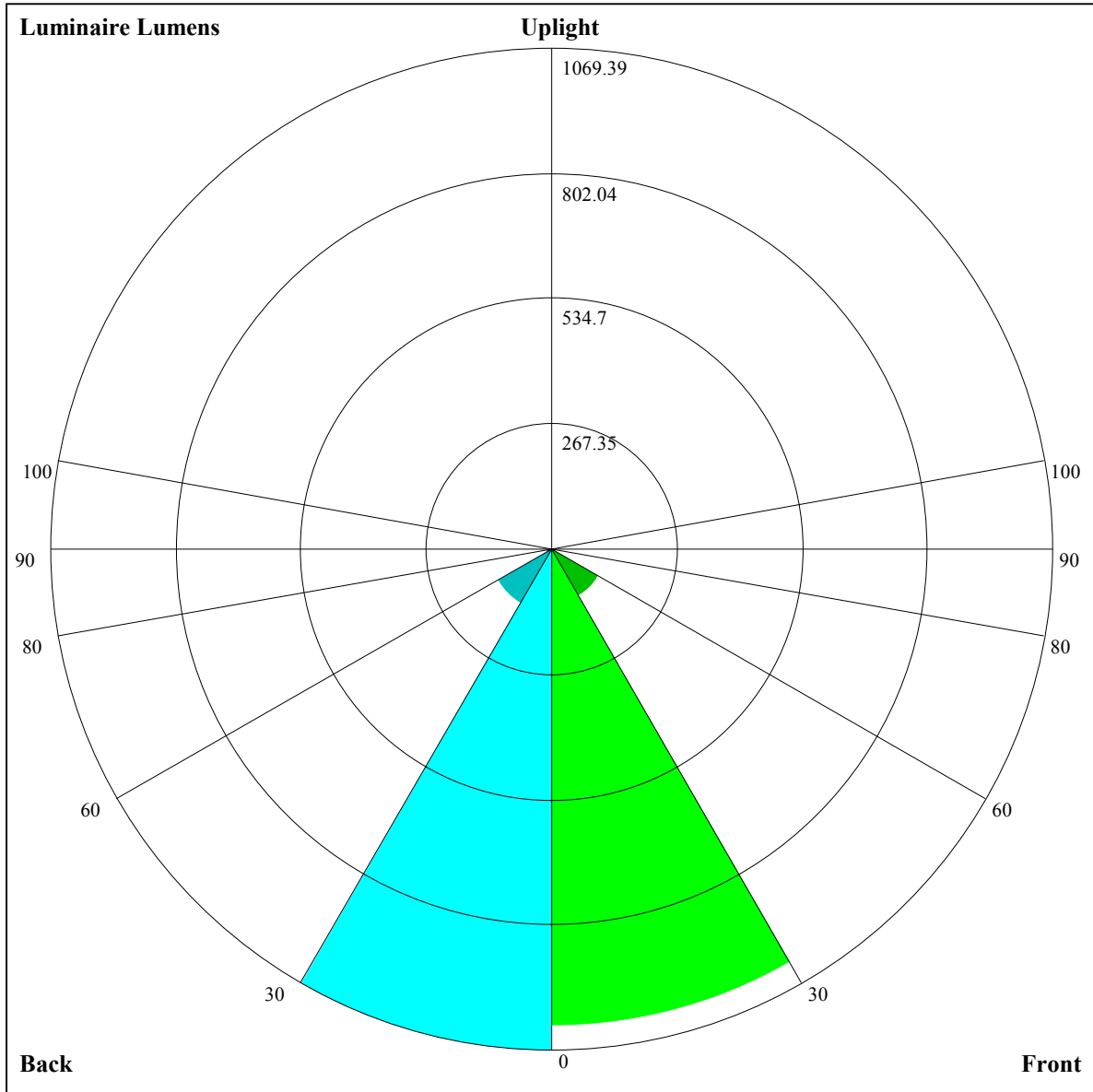
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.08	1.08	1.08	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.01	0.99	0.98	0.99	0.98	0.96	0.96	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.86
2	0.96	0.93	0.90	0.94	0.91	0.89	0.91	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.82
3	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.83	0.81	0.80	0.78
4	0.86	0.82	0.79	0.85	0.82	0.79	0.84	0.80	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.75
5	0.82	0.78	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.73	0.77	0.75	0.73	0.72
6	0.79	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
7	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.66
8	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.64
9	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.68	0.64	0.62	0.61
10	0.68	0.63	0.61	0.67	0.63	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.59





Luminaire Lumens:

FL=1017.01,FM=116.63,FH=10.36,FVH=1.29

BL=1069.39,BM=132.97,BH=11.35,BVH=1.37

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	7767.16	7686.90	7474.65	7295.78	7033.34	6696.83	6341.35	5947.45	5510.65
45.0	7888.63	7781.62	7606.69	7369.32	7087.42	6769.84	6403.74	6008.16	5566.89
90.0	7663.51	7526.48	7139.77	6944.77	6587.08	6182.03	5732.36	5269.92	4806.37
135.0	7869.66	7774.41	7651.84	7390.50	7157.59	6831.13	6460.04	6056.67	5615.36
180.0	7767.16	7835.12	7834.55	7759.33	7609.47	7389.39	7105.77	6800.48	6435.54
225.0	7888.63	7930.42	7891.37	7778.83	7679.70	7395.49	7232.28	6918.59	6578.14
270.0	7663.51	7833.44	7964.38	7969.95	7937.62	7835.12	7679.70	7480.22	7222.77
315.0	7869.66	7904.19	7862.98	7757.12	7608.89	7408.89	7148.13	6835.02	6474.54
360.0	7767.16	7686.90	7474.65	7295.78	7033.34	6696.83	6341.35	5947.45	5510.65
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5073.81	4627.55	4209.68	3809.05	3450.78	3120.43	2824.55	2558.22	2308.60
45.0	5099.98	4646.47	4218.56	3814.09	3449.15	3113.70	2812.83	2537.61	2292.46
90.0	4370.68	3953.91	3583.40	3244.63	2938.77	2657.40	2403.89	2176.56	1974.30
135.0	5156.85	4707.18	4275.96	3883.16	3522.69	3194.49	2900.35	2630.65	2382.71
180.0	6042.74	5611.47	5180.77	4738.98	4311.07	3907.65	3543.87	3213.46	2915.90
225.0	6196.49	5786.45	5359.11	4906.66	4453.67	4033.59	3645.26	3294.25	2974.98
270.0	6918.59	6564.22	6178.67	5764.16	5320.06	4864.87	4419.14	3995.70	3605.16
315.0	6087.84	5683.90	5261.03	4816.41	4395.17	3979.56	3586.18	3231.86	2910.91
360.0	5073.81	4627.55	4209.68	3809.05	3450.78	3120.43	2824.55	2558.22	2308.60
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2095.25	1890.20	1701.87	1528.57	1437.79	1093.25	1067.75	1067.75	941.92
45.0	2071.80	1908.02	1717.48	1541.40	1382.08	1253.35	1139.13	1022.13	904.02
90.0	1787.65	1609.94	1445.57	1314.64	1071.43	1071.43	997.58	872.38	759.90
135.0	2160.95	1958.16	1767.05	1598.79	1440.58	1358.11	1236.64	1073.38	1002.05
180.0	2649.04	2504.76	2185.50	1979.35	1864.55	1683.47	1452.25	1366.47	1245.57
225.0	2692.51	2429.54	2193.28	1978.77	1785.44	1608.25	1444.47	1353.06	1079.11
270.0	3252.46	3058.56	2642.90	2479.11	2233.96	2013.88	1811.62	1626.65	1460.08
315.0	2734.30	2363.21	2225.60	2006.10	1802.16	1621.08	1452.83	1309.65	1076.74
360.0	2095.25	1890.20	1701.87	1528.57	1437.79	1093.25	1067.75	1067.75	941.92
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	819.76	703.86	595.80	493.93	397.37	312.54	239.53	183.55	148.33
45.0	787.02	677.27	573.04	476.69	385.86	302.81	302.81	287.25	140.18
90.0	648.99	547.07	448.88	357.64	276.16	207.94	160.74	136.66	121.95
135.0	881.16	765.26	653.82	549.65	451.62	360.79	310.64	310.64	164.57
180.0	1130.20	1014.88	895.09	778.66	669.44	564.68	466.65	376.40	292.83
225.0	1079.11	960.79	841.63	732.77	624.44	523.31	432.17	345.91	268.91
270.0	1309.07	1189.86	1075.64	953.59	836.06	727.41	623.76	523.47	427.07
315.0	1076.74	953.59	829.38	714.06	605.94	523.05	425.76	317.42	254.09
360.0	819.76	703.86	595.80	493.93	397.37	312.54	239.53	183.55	148.33
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	129.25	114.64	101.87	92.93	80.84	73.90	66.18	59.45	53.82
45.0	128.41	114.06	101.50	90.30	80.84	72.27	64.86	58.40	52.51
90.0	108.96	97.56	87.73	78.48	73.64	63.44	59.66	53.98	48.94
135.0	141.60	126.78	116.53	103.13	92.93	85.41	75.53	69.54	62.97
180.0	292.83	215.09	142.60	130.14	117.37	106.65	96.87	87.88	79.95
225.0	205.89	161.63	136.14	126.52	107.44	96.40	90.35	81.37	73.53
270.0	336.82	303.97	303.97	157.85	133.35	118.53	105.07	93.35	83.52
315.0	189.80	147.49	126.62	113.11	101.39	90.88	81.31	72.90	65.60
360.0	129.25	114.64	101.87	92.93	80.84	73.90	66.18	59.45	53.82

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	48.46	43.99	40.32	37.06	34.01	31.70	29.59	27.60	26.23
45.0	47.73	43.36	39.53	36.27	33.53	30.91	28.91	27.07	25.70
90.0	44.47	40.79	37.53	34.64	32.22	30.07	28.17	26.75	25.23
135.0	57.03	52.09	47.62	43.68	40.11	37.06	34.53	32.01	29.91
180.0	72.75	66.44	60.81	55.77	51.35	47.36	43.89	40.89	38.27
225.0	66.28	59.92	54.35	49.36	45.20	41.63	38.32	35.69	33.17
270.0	74.69	66.91	59.97	54.03	48.88	44.26	40.32	36.85	34.06
315.0	59.13	53.56	48.52	43.99	40.26	37.06	34.06	31.59	29.65
360.0	48.46	43.99	40.32	37.06	34.01	31.70	29.59	27.60	26.23
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.97	23.65	22.65	21.66	20.45	19.24	18.55	16.98	15.72
45.0	24.23	23.29	22.02	20.66	19.50	18.24	17.03	15.93	14.77
90.0	23.76	22.55	21.24	19.71	18.40	17.14	16.14	14.98	13.88
135.0	28.17	26.44	24.97	23.50	21.97	21.08	19.19	17.77	16.93
180.0	35.74	33.53	31.70	29.91	28.86	26.65	25.86	24.23	21.92
225.0	31.12	29.28	27.70	26.33	25.02	23.60	22.76	21.39	19.45
270.0	31.48	29.38	27.54	26.54	24.76	24.02	22.81	21.81	20.87
315.0	27.70	26.07	24.91	24.13	22.34	21.76	20.76	19.50	18.45
360.0	24.97	23.65	22.65	21.66	20.45	19.24	18.55	16.98	15.72
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	15.03	14.09	13.09	12.19	11.46	10.78	9.93	9.25	8.52
45.0	13.77	12.88	12.04	11.25	10.51	9.83	9.15	8.46	7.73
90.0	13.09	12.09	11.25	10.57	9.78	9.04	8.36	7.78	7.15
135.0	15.24	14.51	13.46	12.35	11.51	10.72	9.93	9.15	8.46
180.0	21.08	19.50	17.98	16.71	15.30	14.14	13.04	12.04	10.99
225.0	18.66	17.35	16.08	14.98	14.09	12.98	11.93	11.04	10.14
270.0	19.61	18.45	17.35	16.19	15.03	14.09	13.14	12.14	11.35
315.0	17.24	16.03	14.93	13.98	12.98	12.04	11.25	10.51	9.72
360.0	15.03	14.09	13.09	12.19	11.46	10.78	9.93	9.25	8.52
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.83	7.04	6.41	5.83	5.31	4.84	4.31	3.94	3.57
45.0	7.15	6.68	6.10	5.57	5.10	4.78	4.21	3.94	3.57
90.0	6.57	5.94	5.52	4.94	4.52	3.99	3.68	3.21	2.79
135.0	7.83	7.15	6.57	6.04	5.52	5.05	4.52	4.15	3.78
180.0	10.04	9.20	8.36	7.52	6.78	6.15	5.52	5.20	4.57
225.0	9.51	8.78	8.09	7.46	6.78	6.15	5.57	5.10	4.68
270.0	10.62	9.83	9.15	8.52	7.94	7.25	6.52	5.89	5.41
315.0	8.99	8.36	7.78	7.36	6.47	6.15	5.57	4.89	4.68
360.0	7.83	7.04	6.41	5.83	5.31	4.84	4.31	3.94	3.57
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.15	2.84	2.47	2.21	2.05	1.68	1.52	1.31	1.10
45.0	3.10	2.68	2.37	2.10	1.84	1.52	1.26	1.10	1.05
90.0	2.47	2.26	1.94	1.68	1.47	1.26	1.00	1.00	1.05
135.0	3.31	2.94	2.52	2.26	1.94	1.73	1.47	1.31	1.10
180.0	4.26	3.73	3.26	2.94	2.52	2.26	1.94	1.68	1.42
225.0	4.26	3.89	3.47	3.05	2.73	2.42	2.16	1.89	1.68
270.0	4.99	4.52	3.94	3.68	3.21	2.94	2.52	2.21	1.89
315.0	4.10	3.78	3.42	3.05	2.73	2.37	2.10	1.84	1.52
360.0	3.15	2.84	2.47	2.21	2.05	1.68	1.52	1.31	1.10

Intensity data(cd)

C/ γ (°)	90.0
0.0	1.00
45.0	1.05
90.0	1.00
135.0	1.05
180.0	1.26
225.0	1.42
270.0	1.58
315.0	1.42
360.0	1.00