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Nata

Client:

LumCAT: 2-2759-L

Luminaire: 92.70.411.00

Report No: 2024910-B014

Ballast type: AC

Test No: 2024910-C014

Voltage(V): 33.890

LampCAT: NICHIA NFCWJ120B-V3

Current(A): 0.580

Lamp flux(lm): 2597.0

Power (W): 19.640

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2419.53, Efficiency(%): 93.17% , Luminous Efficacy(lm/W): 123.19

Central intensity(cd): 4972.833, Maximum intensity(cd): 4972.833

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=38.2

[C90/270]Total=38.2

Field angle(10%Imax): [C0/180]Total=69.0

[C90/270]Total=69.0

Maximum s/h(1/2): C0_180=0.61 C90_270=0.61

Maximum s/h(1/4): C0_180=0.65 C90_270=0.65

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.17%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.188%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/9/10
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	4972.833	0.000	0	0.00%	0.00%
1.0	4962.938	4.754	4.754	0.18%	0.20%
2.0	4938.641	14.212	18.966	0.55%	0.78%
3.0	4894.265	23.517	42.483	0.91%	1.76%
4.0	4826.506	32.539	75.021	1.25%	3.10%
5.0	4740.494	41.157	116.178	1.58%	4.80%
6.0	4636.098	49.276	165.455	1.90%	6.84%
7.0	4509.685	56.768	222.222	2.19%	9.18%
8.0	4372.839	63.571	285.793	2.45%	11.81%
9.0	4223.022	69.665	355.458	2.68%	14.69%
10.0	4063.955	74.994	430.452	2.89%	17.79%
11.0	3896.458	79.541	509.993	3.06%	21.08%
12.0	3721.793	83.278	593.271	3.21%	24.52%
13.0	3549.355	86.290	679.561	3.32%	28.09%
14.0	3372.587	88.600	768.161	3.41%	31.75%
15.0	3196.326	90.181	858.342	3.47%	35.48%
16.0	3016.286	91.032	949.375	3.51%	39.24%
17.0	2843.973	91.260	1040.635	3.51%	43.01%
18.0	2660.398	90.755	1131.39	3.49%	46.76%
19.0	2500.346	89.786	1221.176	3.46%	50.47%
20.0	2327.356	88.360	1309.536	3.40%	54.12%
21.0	2151.015	85.994	1395.53	3.31%	57.68%
22.0	2025.378	83.926	1479.457	3.23%	61.15%
23.0	1862.953	81.588	1561.044	3.14%	64.52%
24.0	1738.018	78.730	1639.774	3.03%	67.77%
25.0	1600.186	75.903	1715.678	2.92%	70.91%
26.0	1469.595	72.463	1788.14	2.79%	73.90%
27.0	1357.840	69.174	1857.314	2.66%	76.76%
28.0	1235.015	65.646	1922.96	2.53%	79.48%
29.0	1102.446	61.155	1984.114	2.35%	82.00%
30.0	992.998	56.577	2040.691	2.18%	84.34%
31.0	889.003	52.373	2093.064	2.02%	86.51%
32.0	770.632	47.547	2140.611	1.83%	88.47%
33.0	656.749	42.051	2182.662	1.62%	90.21%
34.0	546.532	36.415	2219.077	1.40%	91.72%
35.0	449.606	30.936	2250.013	1.19%	92.99%
36.0	373.660	26.213	2276.226	1.01%	94.08%
37.0	286.682	21.537	2297.763	0.83%	94.97%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	219.455	16.894	2314.657	0.65%	95.67%
39.0	176.735	13.523	2328.18	0.52%	96.22%
40.0	127.116	10.597	2338.777	0.41%	96.66%
41.0	108.305	8.383	2347.161	0.32%	97.01%
42.0	74.218	6.631	2353.792	0.26%	97.28%
43.0	62.076	5.049	2358.841	0.19%	97.49%
44.0	54.087	4.384	2363.225	0.17%	97.67%
45.0	48.036	3.925	2367.15	0.15%	97.84%
46.0	42.944	3.558	2370.708	0.14%	97.98%
47.0	38.568	3.242	2373.95	0.12%	98.12%
48.0	34.810	2.966	2376.916	0.11%	98.24%
49.0	31.439	2.721	2379.636	0.10%	98.35%
50.0	28.555	2.501	2382.138	0.10%	98.45%
51.0	26.084	2.312	2384.449	0.09%	98.55%
52.0	23.949	2.147	2386.596	0.08%	98.64%
53.0	22.122	2.004	2388.601	0.08%	98.72%
54.0	20.480	1.878	2390.478	0.07%	98.80%
55.0	19.264	1.774	2392.252	0.07%	98.87%
56.0	17.924	1.680	2393.933	0.06%	98.94%
57.0	16.873	1.591	2395.524	0.06%	99.01%
58.0	15.992	1.520	2397.043	0.06%	99.07%
59.0	15.092	1.453	2398.497	0.06%	99.13%
60.0	14.363	1.392	2399.888	0.05%	99.19%
61.0	13.666	1.338	2401.226	0.05%	99.24%
62.0	12.983	1.284	2402.51	0.05%	99.30%
63.0	12.332	1.231	2403.741	0.05%	99.35%
64.0	11.695	1.179	2404.92	0.05%	99.40%
65.0	11.064	1.126	2406.047	0.04%	99.44%
66.0	10.467	1.074	2407.121	0.04%	99.49%
67.0	9.862	1.022	2408.143	0.04%	99.53%
68.0	9.212	0.966	2409.109	0.04%	99.57%
69.0	8.594	0.908	2410.018	0.03%	99.61%
70.0	8.062	0.855	2410.873	0.03%	99.64%
71.0	7.536	0.806	2411.679	0.03%	99.68%
72.0	7.070	0.759	2412.439	0.03%	99.71%
73.0	6.603	0.715	2413.154	0.03%	99.74%
74.0	6.209	0.674	2413.827	0.03%	99.76%
75.0	5.775	0.633	2414.46	0.02%	99.79%

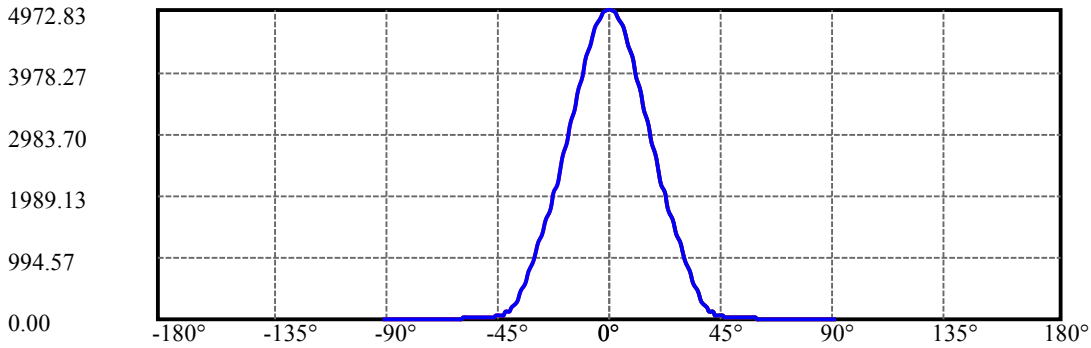
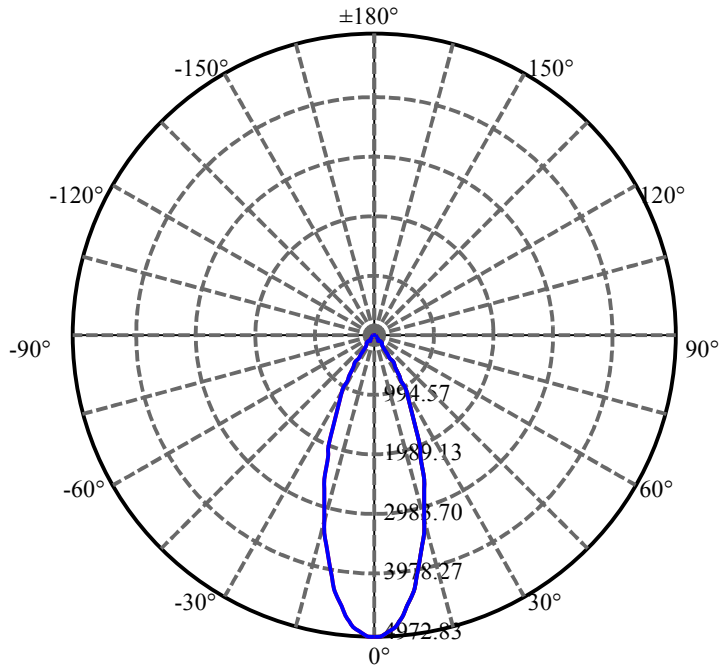
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.388	0.593	2415.053	0.02%	99.82%
77.0	5.020	0.555	2415.608	0.02%	99.84%
78.0	4.612	0.516	2416.123	0.02%	99.86%
79.0	4.205	0.474	2416.597	0.02%	99.88%
80.0	3.817	0.433	2417.03	0.02%	99.90%
81.0	3.509	0.396	2417.426	0.02%	99.91%
82.0	3.147	0.361	2417.787	0.01%	99.93%
83.0	2.786	0.323	2418.109	0.01%	99.94%
84.0	2.490	0.287	2418.397	0.01%	99.95%
85.0	2.188	0.255	2418.652	0.01%	99.96%
86.0	1.932	0.225	2418.877	0.01%	99.97%
87.0	1.669	0.197	2419.074	0.01%	99.98%
88.0	1.432	0.170	2419.244	0.01%	99.99%
89.0	1.288	0.149	2419.393	0.01%	99.99%
90.0	1.170	0.135	2419.528	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2040.69	78.58%	84.34%
0-40	2338.78	90.06%	96.66%
0-60	2399.89	92.41%	99.19%
0-90	2419.39	93.16%	99.99%
0-120	2419.39	93.16%	99.99%
0-180	2419.53	93.17%	100.00%
60-90	19.51	0.75%	0.81%
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%
0-28.21	1935.62	74.53%	80.00%

ZONAL LUMEN SUMMARY

0-10	430.45
10-20	879.08
20-30	731.15
30-40	298.09
40-50	43.36
50-60	17.75
60-70	10.98
70-80	6.16
80-90	2.36
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: —————

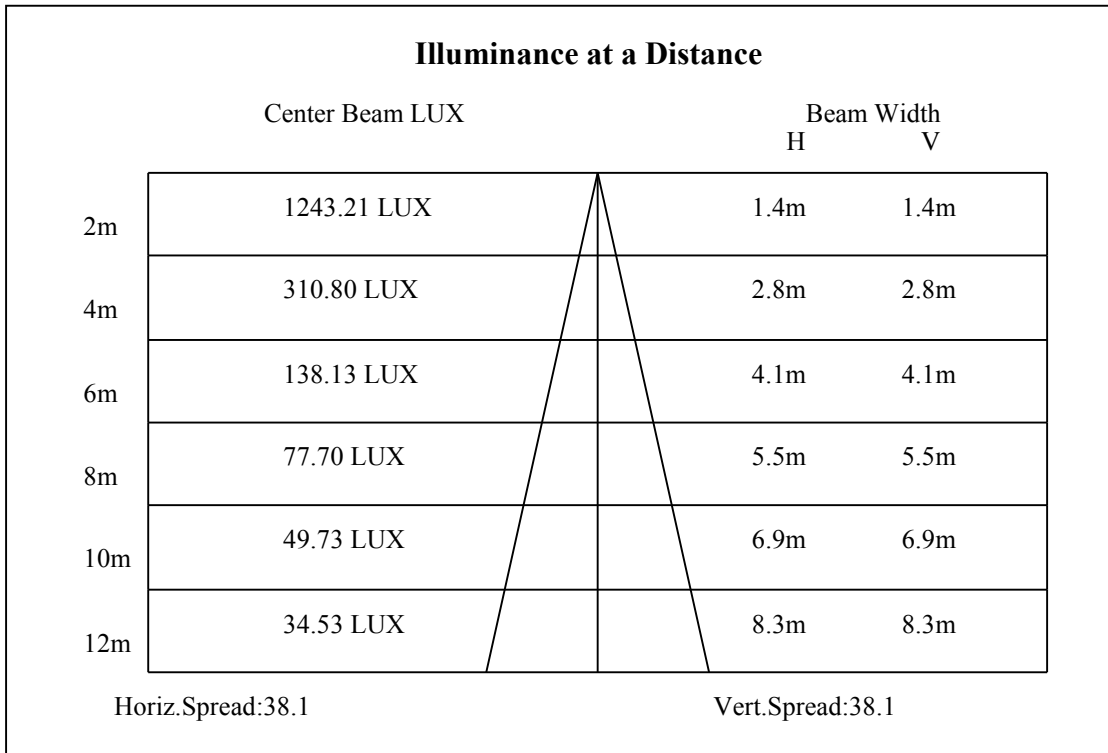
C90/C270: —————

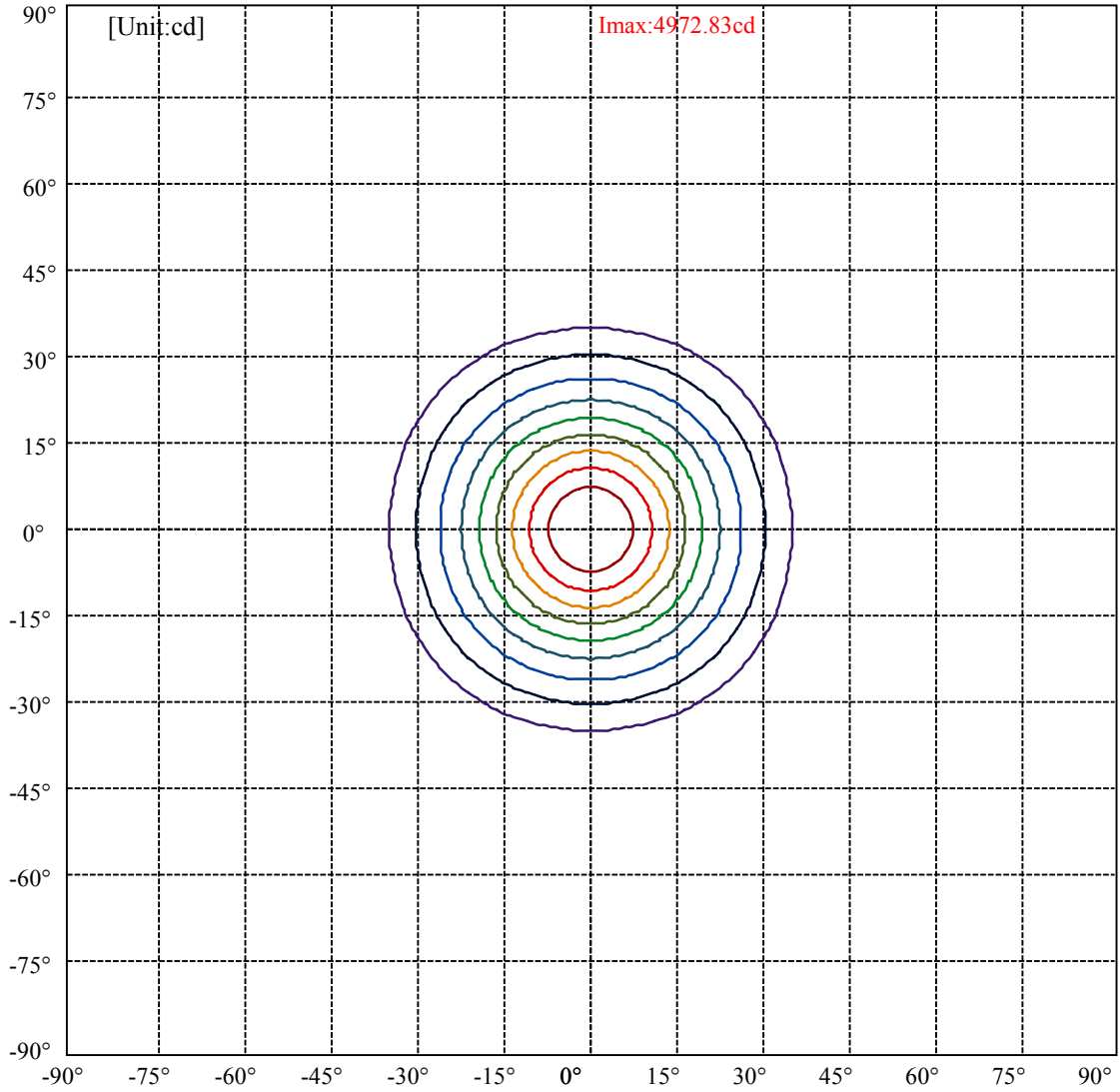
Field angle(10%Imax):C0/180Left:34.5 Right:34.5

:C90/270Left:34.5 Right:34.5

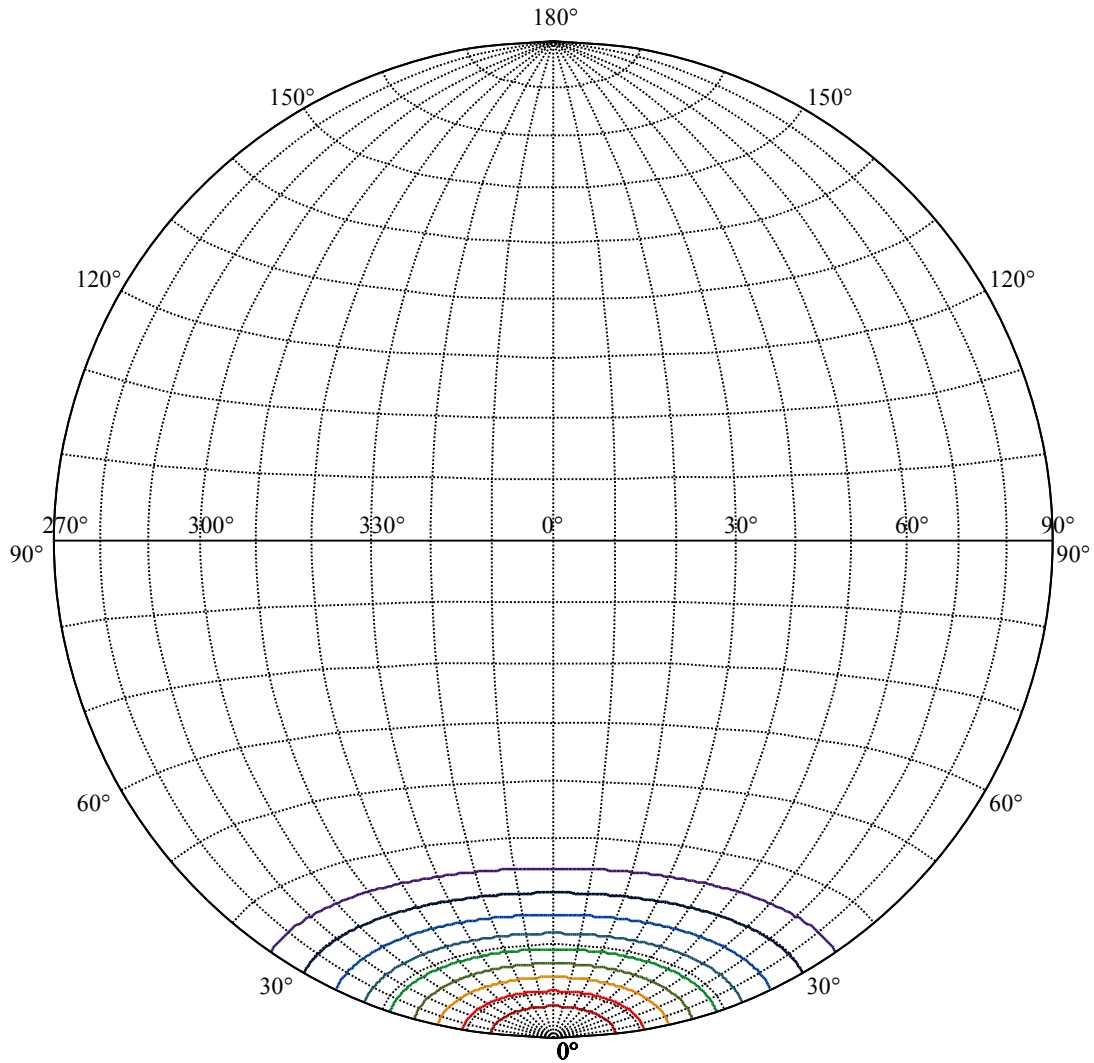
Beam Angle(50%Imax):C0/180Left:19.1 Right:19.1

:C90/270Left:19.1 Right:19.1





(10%Imax) 497.283	—
(20%Imax) 994.567	—
(30%Imax) 1491.85	—
(40%Imax) 1989.13	—
(50%Imax) 2486.42	—
(60%Imax) 2983.7	—
(70%Imax) 3480.98	—
(80%Imax) 3978.27	—
(90%Imax) 4475.55	—



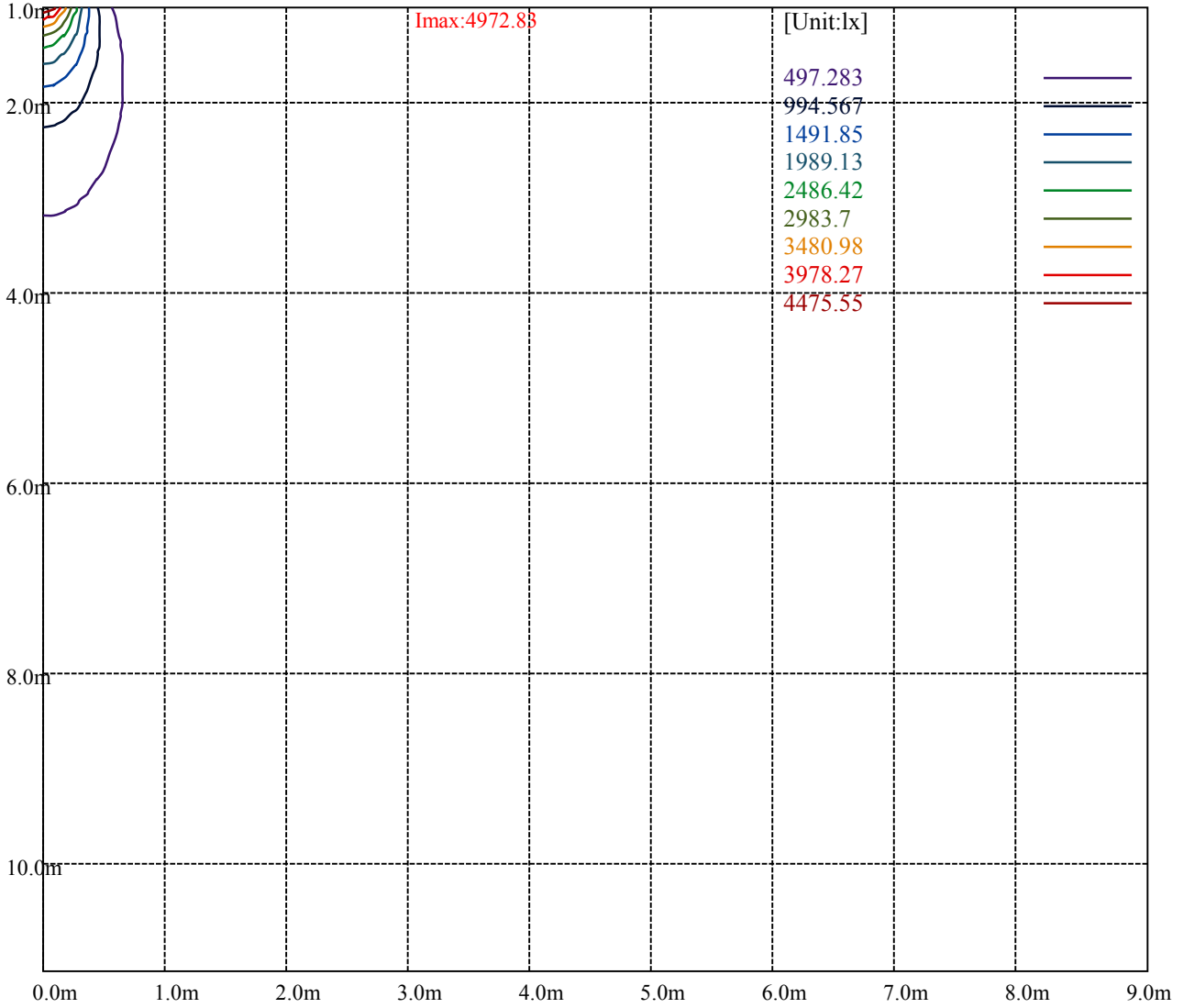
House

[Unit:cd]

Road

Imax:4972.83

(10%Imax) 497.283	—
(20%Imax) 994.567	—
(30%Imax) 1491.85	—
(40%Imax) 1989.13	—
(50%Imax) 2486.42	—
(60%Imax) 2983.7	—
(70%Imax) 3480.98	—
(80%Imax) 3978.27	—
(90%Imax) 4475.55	—



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

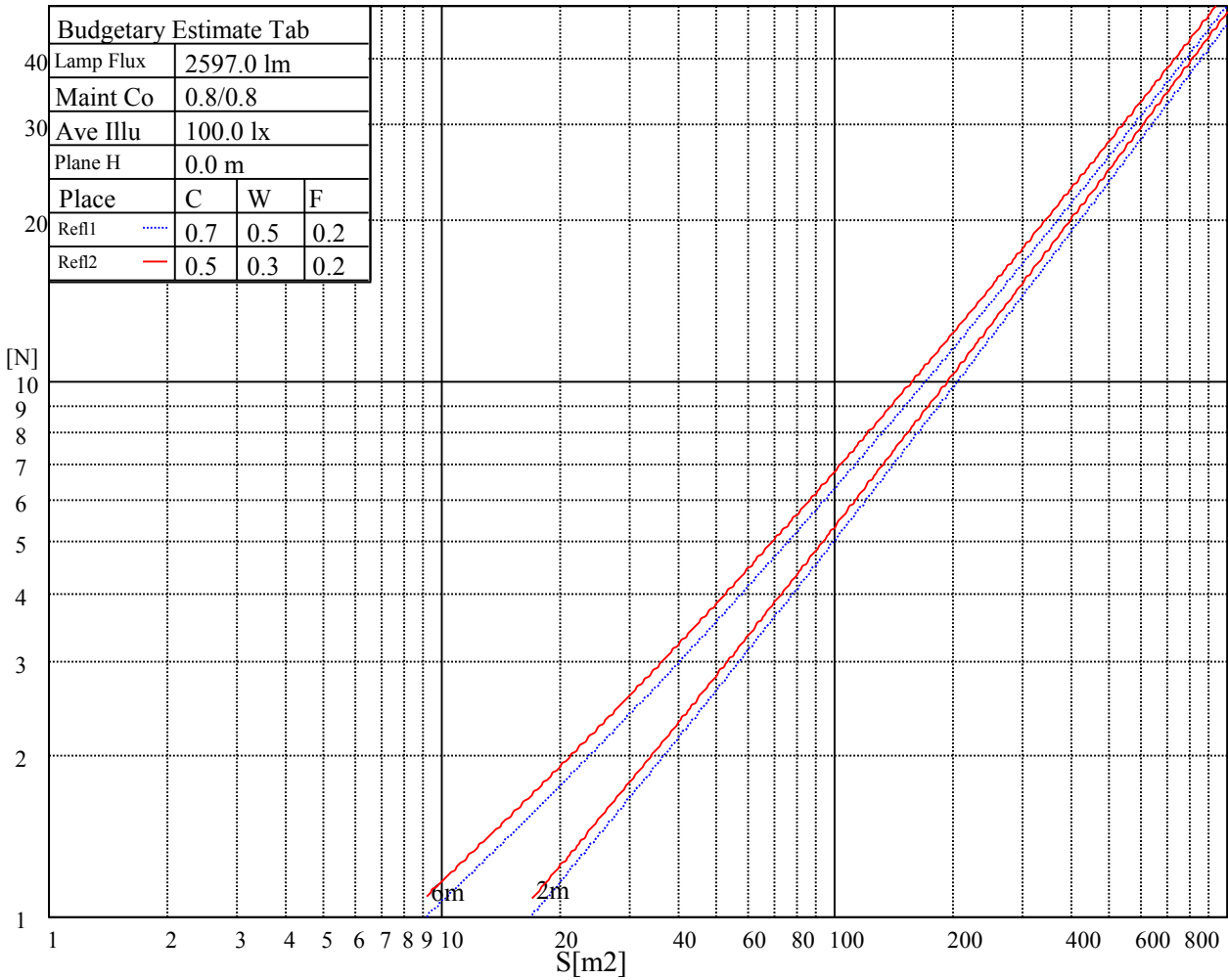
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

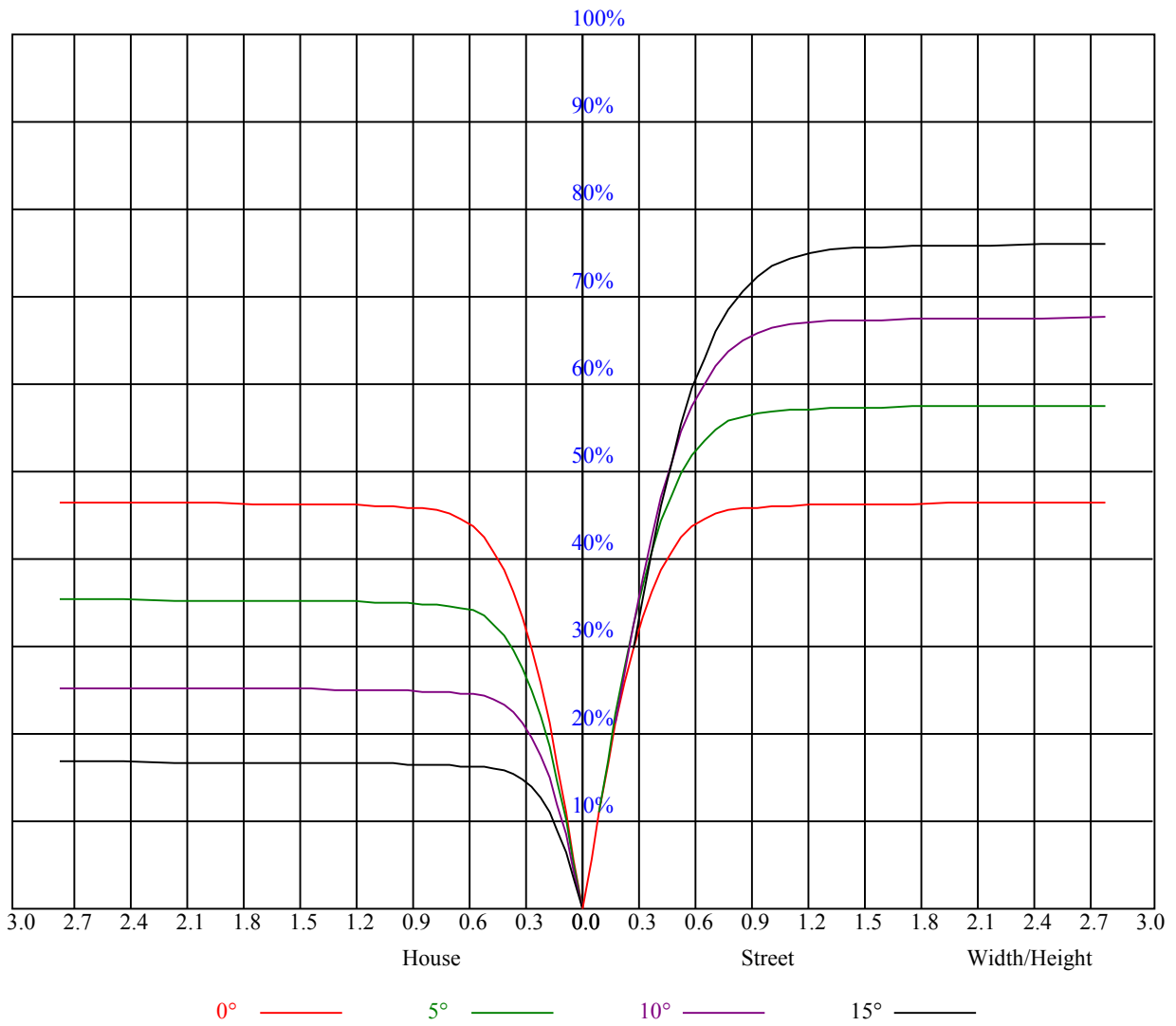


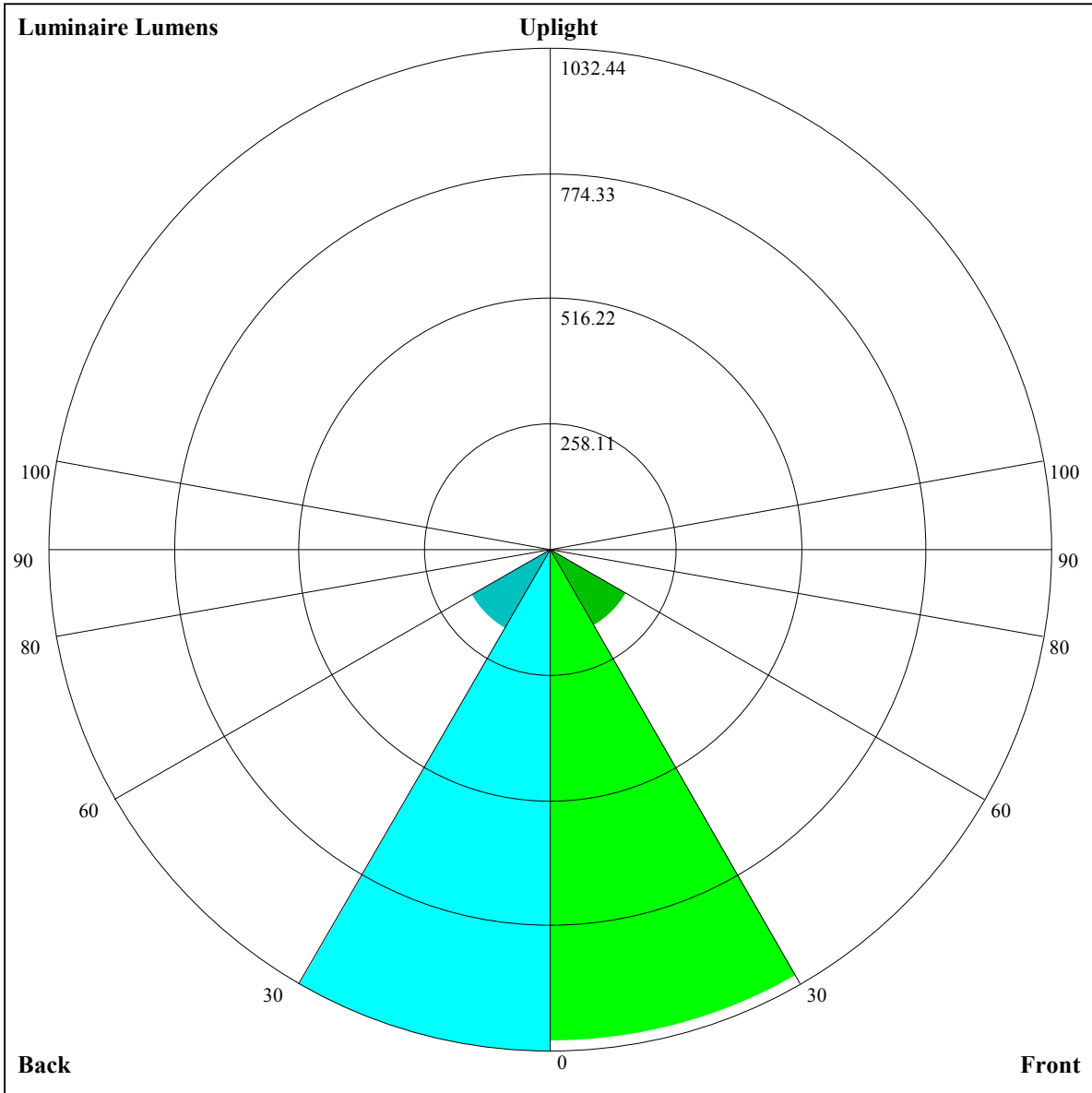
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.11	1.11	1.11	1.08	1.08	1.08	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.94	0.92	0.92	0.91	0.90	0.88
2	0.98	0.94	0.91	0.96	0.93	0.90	0.93	0.91	0.88	0.90	0.88	0.87	0.88	0.86	0.85	0.83
3	0.92	0.88	0.85	0.91	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.81	0.84	0.82	0.80	0.79
4	0.87	0.82	0.79	0.86	0.82	0.79	0.84	0.80	0.78	0.82	0.79	0.77	0.81	0.78	0.76	0.75
5	0.83	0.78	0.74	0.82	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.77	0.74	0.72	0.71
6	0.78	0.74	0.70	0.78	0.73	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.68	0.67
7	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.64
8	0.71	0.66	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.61
9	0.68	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.58
10	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.56





Luminaire Lumens:

FL=1011.28,FM=179.69,FH=8.54,FVH=1.24

BL=1032.44,BM=186.41,BH=8.74,BVH=1.28

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	4972.41	4929.52	4868.76	4819.77	4733.41	4629.18	4499.40	4341.72	4182.92
45.0	4986.92	4963.48	4910.02	4840.90	4752.33	4637.01	4502.71	4338.35	4177.35
90.0	4933.99	4868.23	4772.94	4707.76	4575.15	4425.29	4262.03	4099.35	3929.94
135.0	4993.02	4964.06	4939.56	4840.90	4748.44	4682.69	4556.22	4414.15	4258.14
180.0	4972.41	4982.98	4992.49	4969.63	4920.59	4854.30	4767.37	4662.61	4540.61
225.0	4996.91	5008.63	5000.27	4980.19	4930.05	4845.37	4782.98	4678.22	4556.75
270.0	4933.99	4978.56	5017.56	5019.77	5020.88	4986.34	4937.30	4869.34	4780.77
315.0	4993.02	5008.05	5007.52	4975.20	4931.20	4863.77	4780.77	4673.75	4556.22
360.0	4972.41	4929.52	4868.76	4819.77	4733.41	4629.18	4499.40	4341.72	4182.92
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4016.30	3848.05	3688.15	3507.65	3338.24	3162.74	2986.71	2804.47	2624.55
45.0	4004.63	3836.90	3655.83	3471.96	3289.78	3110.91	2933.78	2749.33	2575.51
90.0	3751.65	3575.04	3387.86	3209.57	3034.59	2848.52	2671.91	2494.14	2328.10
135.0	4092.10	3925.53	3742.19	3554.43	3375.04	3202.84	3029.60	2842.95	2650.15
180.0	4406.31	4250.31	4091.52	3926.05	3756.69	3575.62	3388.39	3212.36	3096.98
225.0	4416.93	4263.71	4095.99	3922.16	3741.08	3561.69	3377.25	3198.43	3010.62
270.0	4678.80	4553.96	4416.35	4260.93	4101.03	3934.99	3763.37	3582.29	3397.85
315.0	4417.46	4258.14	4093.78	3921.58	3758.38	3583.40	3419.61	3246.31	3068.02
360.0	4016.30	3848.05	3688.15	3507.65	3338.24	3162.74	2986.71	2804.47	2624.55
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2448.47	2283.53	2129.78	1988.23	1844.52	1709.65	1614.40	1496.82	1389.28
45.0	2402.21	2301.40	2142.61	1925.84	1841.74	1703.55	1579.87	1470.65	1361.42
90.0	2166.00	2010.52	1863.45	1721.95	1651.72	1487.36	1373.14	1255.56	1081.79
135.0	2464.60	2278.53	2097.45	1935.88	1781.55	1694.09	1565.36	1388.75	1317.43
180.0	2827.92	2708.65	2514.75	2271.28	2163.21	2001.05	1834.48	1694.09	1566.47
225.0	2823.45	2632.91	2445.68	2262.40	2157.06	1924.16	1835.59	1701.87	1530.25
270.0	3226.81	3083.05	2861.34	2708.13	2535.40	2318.64	2191.59	2024.44	1872.91
315.0	2923.74	2704.18	2563.79	2394.43	2227.81	2065.13	1909.70	1769.31	1637.22
360.0	2448.47	2283.53	2129.78	1988.23	1844.52	1709.65	1614.40	1496.82	1389.28
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1235.53	1089.15	1036.22	903.08	775.93	656.51	546.65	440.68	341.76
45.0	1249.46	1124.63	994.27	865.55	739.66	624.86	519.58	415.93	324.00
90.0	1027.28	895.35	768.62	645.84	532.72	427.65	332.77	245.20	172.04
135.0	1201.00	1080.63	960.84	839.95	719.58	606.47	499.50	398.11	304.49
180.0	1441.68	1327.99	1219.92	1107.39	991.49	872.27	754.11	642.16	534.61
225.0	1460.61	1346.97	1085.05	1085.05	1016.45	895.09	776.24	661.60	552.69
270.0	1731.93	1607.15	1497.40	1391.54	1285.10	1162.00	1033.85	900.13	768.04
315.0	1515.22	1408.25	1257.24	1105.60	1051.09	920.21	791.28	668.44	599.21
360.0	1235.53	1089.15	1036.22	903.08	775.93	656.51	546.65	440.68	341.76
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	257.71	185.76	129.88	106.75	79.79	73.32	64.34	54.35	51.09
45.0	290.04	290.04	128.94	97.14	82.47	71.54	62.50	56.14	50.35
90.0	119.00	90.57	77.74	67.28	61.76	53.25	49.88	44.99	40.37
135.0	304.49	147.39	120.74	84.21	71.17	65.39	55.03	51.51	45.94
180.0	430.96	336.24	300.60	300.60	123.57	86.99	70.54	60.39	52.83
225.0	450.57	353.54	265.70	204.26	130.78	98.19	77.90	66.75	57.98
270.0	646.05	538.50	433.75	336.24	317.90	317.90	137.03	96.82	77.58
315.0	490.46	351.43	298.29	217.40	149.49	99.87	76.53	65.65	56.56
360.0	257.71	185.76	129.88	106.75	79.79	73.32	64.34	54.35	51.09

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	45.73	41.16	37.06	33.53	30.33	27.70	25.39	23.44	21.71
45.0	45.47	40.89	37.00	33.64	30.70	28.12	26.02	24.07	22.50
90.0	36.53	33.17	30.38	27.86	25.65	23.76	22.23	20.76	19.50
135.0	41.21	36.90	33.38	30.22	27.49	25.34	23.39	21.71	20.29
180.0	47.10	42.31	37.90	34.06	30.70	27.60	24.97	22.71	20.92
225.0	51.41	45.83	40.89	36.48	32.48	29.22	26.39	23.97	21.76
270.0	67.07	58.66	52.04	46.89	42.10	37.95	34.32	31.22	28.49
315.0	49.78	44.63	39.89	35.80	32.06	28.75	25.97	23.71	21.81
360.0	45.73	41.16	37.06	33.53	30.33	27.70	25.39	23.44	21.71
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.29	18.98	17.77	16.61	15.61	14.72	13.98	13.09	12.51
45.0	20.97	20.34	18.55	17.35	16.77	15.72	14.88	14.03	13.30
90.0	18.29	17.29	16.29	15.35	14.51	13.82	13.04	12.56	11.46
135.0	18.87	17.66	16.45	15.66	14.93	14.45	13.51	12.93	12.51
180.0	19.24	18.45	16.77	15.72	15.19	14.09	13.67	13.14	12.62
225.0	19.82	18.29	17.14	16.14	15.40	14.61	14.19	13.61	13.04
270.0	26.18	24.23	22.55	21.39	19.76	18.61	17.82	16.82	15.93
315.0	20.18	18.87	17.87	16.77	15.77	14.72	13.82	13.14	12.51
360.0	20.29	18.98	17.77	16.61	15.61	14.72	13.98	13.09	12.51
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	11.77	10.99	10.41	9.72	9.04	8.52	7.99	7.46	6.99
45.0	12.46	11.67	10.83	10.14	9.41	8.62	7.94	7.46	6.99
90.0	11.04	10.30	9.57	8.83	8.20	7.62	7.15	6.73	6.25
135.0	11.51	11.14	10.41	9.78	9.25	8.57	7.94	7.57	7.04
180.0	12.14	11.56	11.14	10.67	10.20	9.62	9.04	8.52	7.99
225.0	12.72	12.25	11.77	11.41	10.99	10.30	9.46	8.73	8.09
270.0	15.09	14.35	13.61	12.93	12.19	11.46	10.67	9.93	9.30
315.0	11.93	11.30	10.78	10.25	9.62	8.99	8.57	8.09	7.62
360.0	11.77	10.99	10.41	9.72	9.04	8.52	7.99	7.46	6.99
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.57	6.15	5.83	5.31	4.99	4.63	4.26	3.84	3.36
45.0	6.57	6.10	5.73	5.31	5.05	4.68	4.10	3.84	3.42
90.0	5.83	5.52	5.10	4.68	4.26	3.94	3.57	3.10	2.79
135.0	6.62	6.20	5.83	5.41	4.99	4.63	4.26	3.84	3.42
180.0	7.52	7.10	6.62	6.15	5.78	5.47	4.99	4.68	4.21
225.0	7.62	7.04	6.62	6.15	5.78	5.31	4.89	4.52	4.15
270.0	8.57	7.88	7.41	6.94	6.52	6.04	5.73	5.26	4.84
315.0	7.25	6.83	6.52	6.25	5.73	5.47	5.10	4.57	4.36
360.0	6.57	6.15	5.83	5.31	4.99	4.63	4.26	3.84	3.36
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.10	2.89	2.47	2.21	2.00	1.73	1.52	1.31	1.10
45.0	3.10	2.63	2.31	2.00	1.79	1.42	1.16	1.00	1.00
90.0	2.52	2.26	1.94	1.68	1.52	1.31	1.05	1.00	1.00
135.0	3.15	2.84	2.47	2.26	1.94	1.79	1.52	1.16	1.16
180.0	3.84	3.42	3.10	2.79	2.37	2.16	1.94	1.68	1.42
225.0	3.78	3.42	3.00	2.63	2.31	2.10	1.84	1.52	1.37
270.0	4.63	4.10	3.73	3.36	2.94	2.63	2.26	2.00	1.73
315.0	3.94	3.63	3.26	3.00	2.63	2.31	2.05	1.79	1.52
360.0	3.10	2.89	2.47	2.21	2.00	1.73	1.52	1.31	1.10

Intensity data(cd)

C/γ(°)	90.0
0.0	0.95
45.0	1.00
90.0	1.05
135.0	1.16
180.0	1.16
225.0	1.21
270.0	1.42
315.0	1.42
360.0	0.95