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NT

Client:

LumCAT: 2-2680-L

Luminaire: 92.70.411.00

Report No: 2024418-B006

Ballast type: AC

Test No: 2024418-C006

Voltage(V): 33.620

LampCAT: NICHIA NFCWJ120B-V3

Current(A): 0.576

Lamp flux(lm): 2726.0

Power (W): 19.365

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2254.25, Efficiency(%): 82.69% , Luminous Efficacy(lm/W): 116.41

Central intensity(cd): 5012.364, Maximum intensity(cd): 5012.364

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=37.2

[C90/270]Total=37.2

Field angle(10%Imax): [C0/180]Total=64.8

[C90/270]Total=64.8

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

Maximum s/h(1/4): C0_180=0.60 C90_270=0.60

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.69%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.872%

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	5012.364	0.000	0	0.00%	0.00%
1.0	5002.928	4.792	4.792	0.18%	0.21%
2.0	4978.202	14.326	19.118	0.53%	0.85%
3.0	4935.115	23.709	42.827	0.87%	1.90%
4.0	4876.007	32.841	75.668	1.20%	3.36%
5.0	4797.148	41.613	117.282	1.53%	5.20%
6.0	4706.950	49.947	167.228	1.83%	7.42%
7.0	4596.343	57.745	224.974	2.12%	9.98%
8.0	4464.960	64.850	289.824	2.38%	12.86%
9.0	4329.919	71.278	361.101	2.61%	16.02%
10.0	4165.544	76.881	437.982	2.82%	19.43%
11.0	3997.584	81.566	519.549	2.99%	23.05%
12.0	3814.116	85.393	604.942	3.13%	26.84%
13.0	3635.623	88.410	693.351	3.24%	30.76%
14.0	3439.938	90.567	783.918	3.32%	34.78%
15.0	3250.471	91.849	875.767	3.37%	38.85%
16.0	3058.005	92.437	968.204	3.39%	42.95%
17.0	2834.596	91.764	1059.967	3.37%	47.02%
18.0	2626.548	90.042	1150.01	3.30%	51.02%
19.0	2417.257	87.752	1237.762	3.22%	54.91%
20.0	2211.331	84.716	1322.478	3.11%	58.67%
21.0	2011.404	81.085	1403.563	2.97%	62.26%
22.0	1813.086	76.855	1480.418	2.82%	65.67%
23.0	1634.372	72.337	1552.755	2.65%	68.88%
24.0	1415.740	66.686	1619.441	2.45%	71.84%
25.0	1284.071	61.388	1680.829	2.25%	74.56%
26.0	1196.931	58.564	1739.393	2.15%	77.16%
27.0	1073.654	55.550	1794.943	2.04%	79.62%
28.0	950.098	51.237	1846.181	1.88%	81.90%
29.0	834.202	46.682	1892.863	1.71%	83.97%
30.0	720.141	41.967	1934.83	1.54%	85.83%
31.0	623.506	37.392	1972.222	1.37%	87.49%
32.0	535.386	33.201	2005.422	1.22%	88.96%
33.0	450.514	29.045	2034.467	1.07%	90.25%
34.0	371.647	24.881	2059.348	0.91%	91.35%
35.0	300.016	20.859	2080.208	0.77%	92.28%
36.0	252.598	17.595	2097.803	0.65%	93.06%
37.0	210.498	15.104	2112.907	0.55%	93.73%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	131.910	11.429	2124.336	0.42%	94.24%
39.0	101.829	7.978	2132.314	0.29%	94.59%
40.0	85.991	6.551	2138.864	0.24%	94.88%
41.0	76.226	5.776	2144.641	0.21%	95.14%
42.0	69.254	5.286	2149.926	0.19%	95.37%
43.0	63.175	4.906	2154.832	0.18%	95.59%
44.0	58.120	4.578	2159.41	0.17%	95.79%
45.0	53.533	4.291	2163.701	0.16%	95.98%
46.0	49.313	4.022	2167.723	0.15%	96.16%
47.0	45.538	3.772	2171.496	0.14%	96.33%
48.0	42.275	3.550	2175.045	0.13%	96.49%
49.0	39.378	3.353	2178.399	0.12%	96.64%
50.0	36.606	3.168	2181.567	0.12%	96.78%
51.0	34.184	2.995	2184.562	0.11%	96.91%
52.0	32.056	2.842	2187.404	0.10%	97.03%
53.0	30.176	2.707	2190.111	0.10%	97.15%
54.0	28.493	2.586	2192.697	0.09%	97.27%
55.0	26.964	2.476	2195.173	0.09%	97.38%
56.0	25.669	2.378	2197.551	0.09%	97.48%
57.0	24.455	2.292	2199.843	0.08%	97.59%
58.0	23.431	2.214	2202.057	0.08%	97.68%
59.0	22.509	2.148	2204.205	0.08%	97.78%
60.0	21.661	2.087	2206.292	0.08%	97.87%
61.0	20.929	2.032	2208.324	0.07%	97.96%
62.0	20.278	1.986	2210.31	0.07%	98.05%
63.0	19.686	1.944	2212.253	0.07%	98.14%
64.0	19.115	1.904	2214.157	0.07%	98.22%
65.0	18.625	1.868	2216.025	0.07%	98.30%
66.0	18.179	1.836	2217.861	0.07%	98.39%
67.0	17.798	1.809	2219.67	0.07%	98.47%
68.0	17.476	1.787	2221.457	0.07%	98.55%
69.0	17.191	1.769	2223.226	0.06%	98.62%
70.0	17.008	1.756	2224.982	0.06%	98.70%
71.0	16.957	1.755	2226.738	0.06%	98.78%
72.0	16.906	1.761	2228.498	0.06%	98.86%
73.0	16.884	1.767	2230.265	0.06%	98.94%
74.0	16.891	1.776	2232.041	0.07%	99.01%
75.0	16.825	1.781	2233.822	0.07%	99.09%

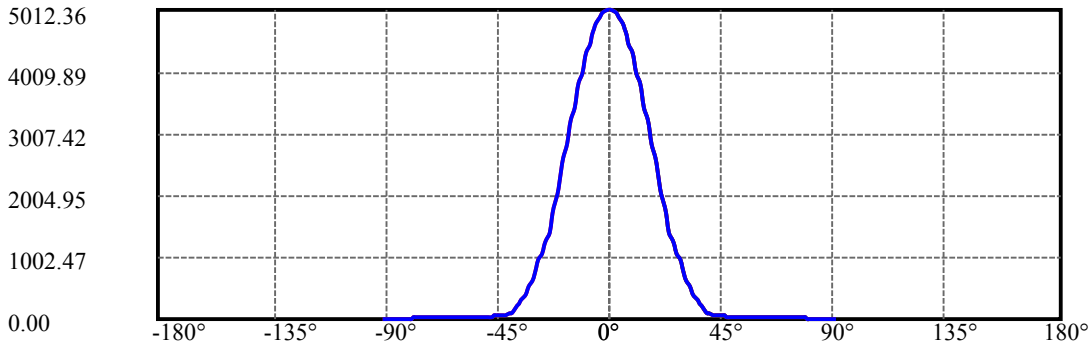
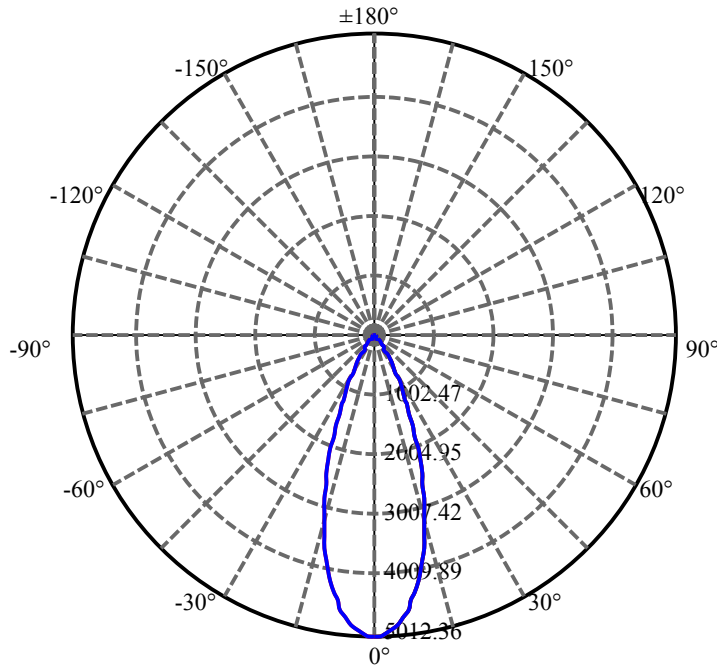
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.584	1.773	2235.596	0.07%	99.17%
77.0	16.174	1.747	2237.342	0.06%	99.25%
78.0	15.626	1.702	2239.045	0.06%	99.33%
79.0	14.916	1.641	2240.686	0.06%	99.40%
80.0	13.789	1.548	2242.233	0.06%	99.47%
81.0	12.714	1.433	2243.666	0.05%	99.53%
82.0	11.982	1.339	2245.006	0.05%	99.59%
83.0	11.631	1.284	2246.289	0.05%	99.65%
84.0	11.339	1.251	2247.541	0.05%	99.70%
85.0	10.951	1.217	2248.757	0.04%	99.76%
86.0	10.512	1.173	2249.93	0.04%	99.81%
87.0	10.022	1.124	2251.054	0.04%	99.86%
88.0	9.788	1.085	2252.139	0.04%	99.91%
89.0	9.605	1.063	2253.202	0.04%	99.95%
90.0	9.539	1.050	2254.252	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1934.83	70.98%	85.83%
0-40	2138.86	78.46%	94.88%
0-60	2206.29	80.94%	97.87%
0-90	2253.20	82.66%	99.95%
0-120	2253.20	82.66%	99.95%
0-180	2254.25	82.69%	100.00%
60-90	46.91	1.72%	2.08%
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%
0-27.17	1803.40	66.16%	80.00%

ZONAL LUMEN SUMMARY

0-10	437.98
10-20	884.50
20-30	612.35
30-40	204.03
40-50	42.70
50-60	24.72
60-70	18.69
70-80	17.25
80-90	10.97
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



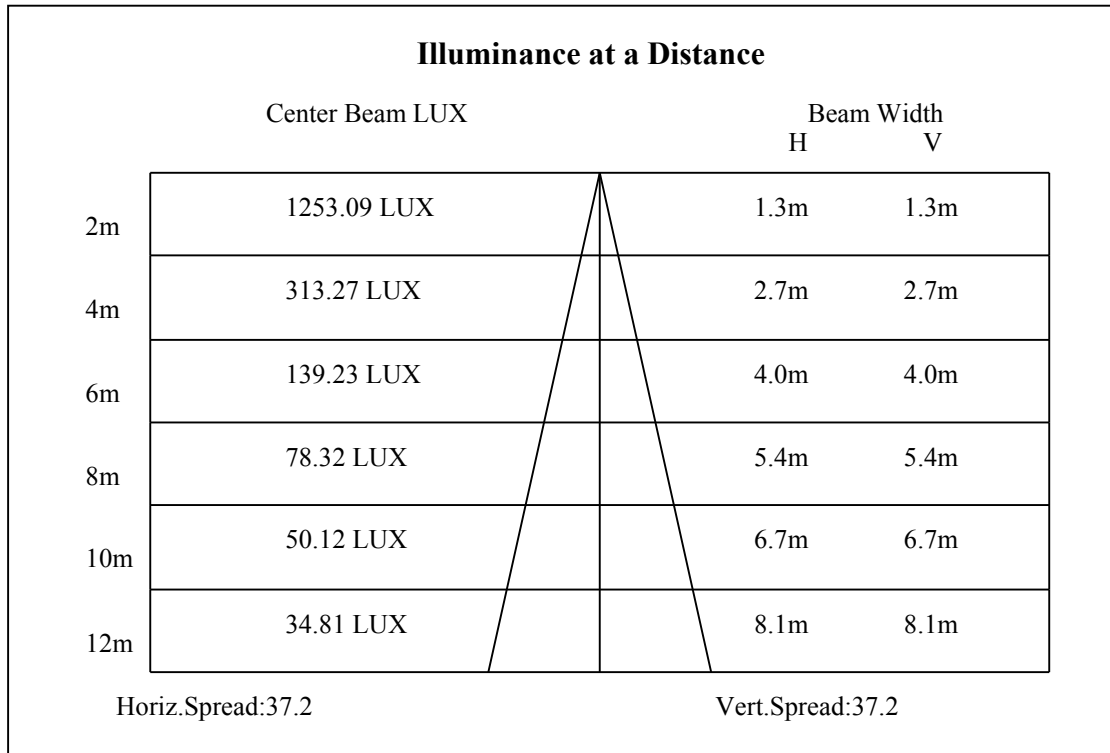
C0(Max): —————

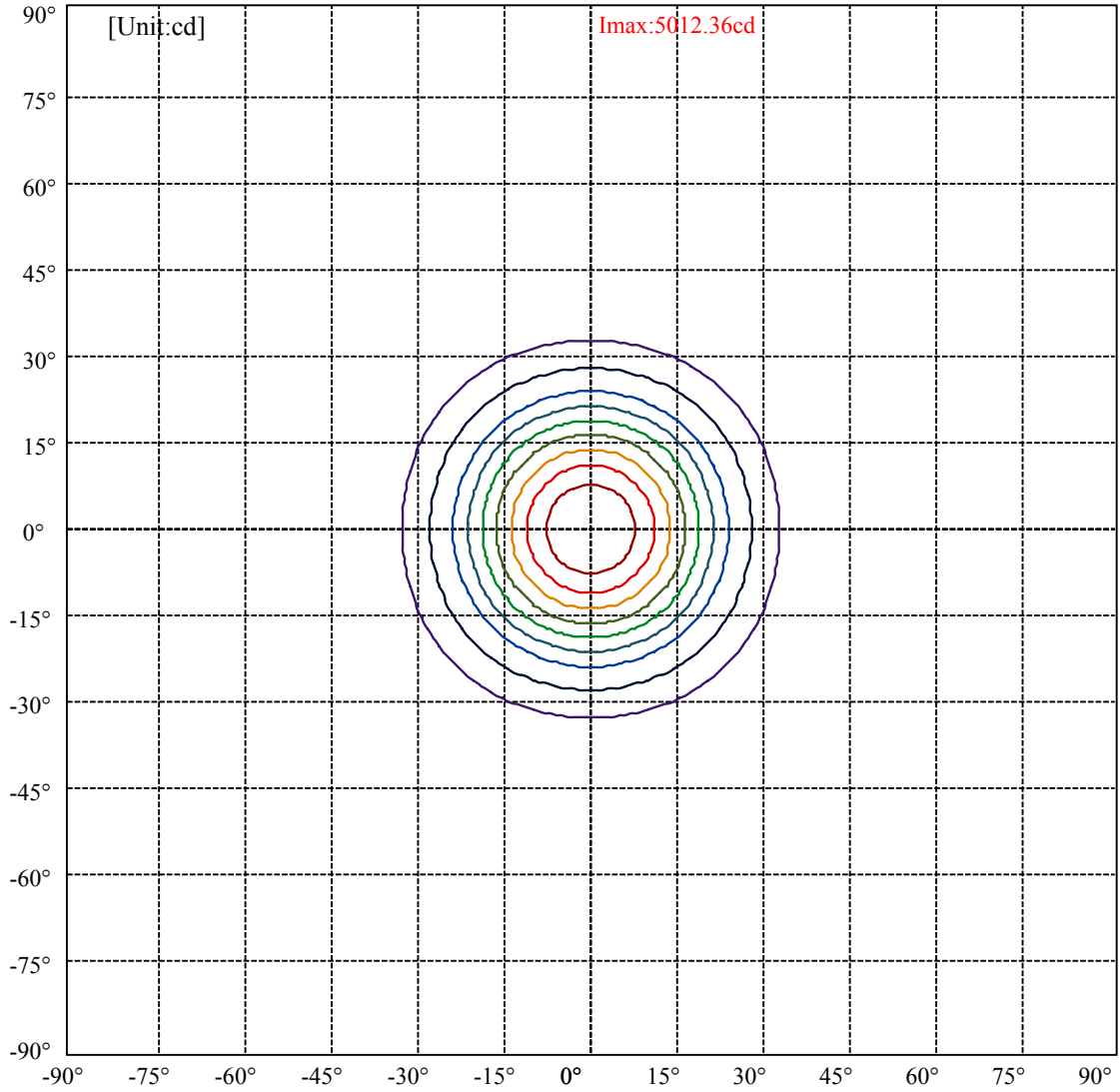
C0/C180: —————

C90/C270: —————

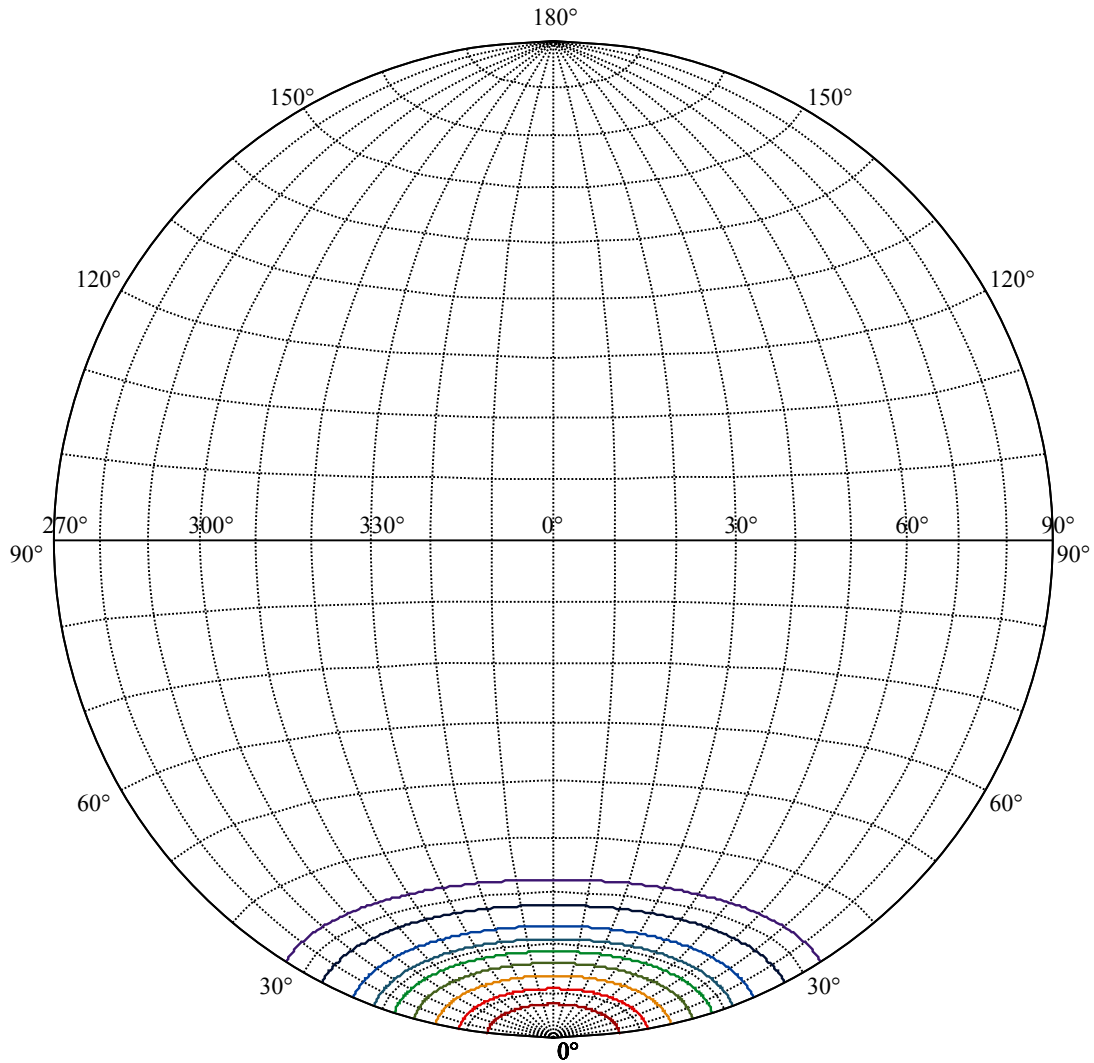
Field angle(10%Imax):C0/180Left:32.4 Right:32.4
:C90/270Left:32.4 Right:32.4

Beam Angle(50%Imax):C0/180Left:18.6 Right:18.6
:C90/270Left:18.6 Right:18.6





(10%I _{max}) 501.236	—
(20%I _{max}) 1002.47	—
(30%I _{max}) 1503.71	—
(40%I _{max}) 2004.95	—
(50%I _{max}) 2506.18	—
(60%I _{max}) 3007.42	—
(70%I _{max}) 3508.66	—
(80%I _{max}) 4009.89	—
(90%I _{max}) 4511.13	—



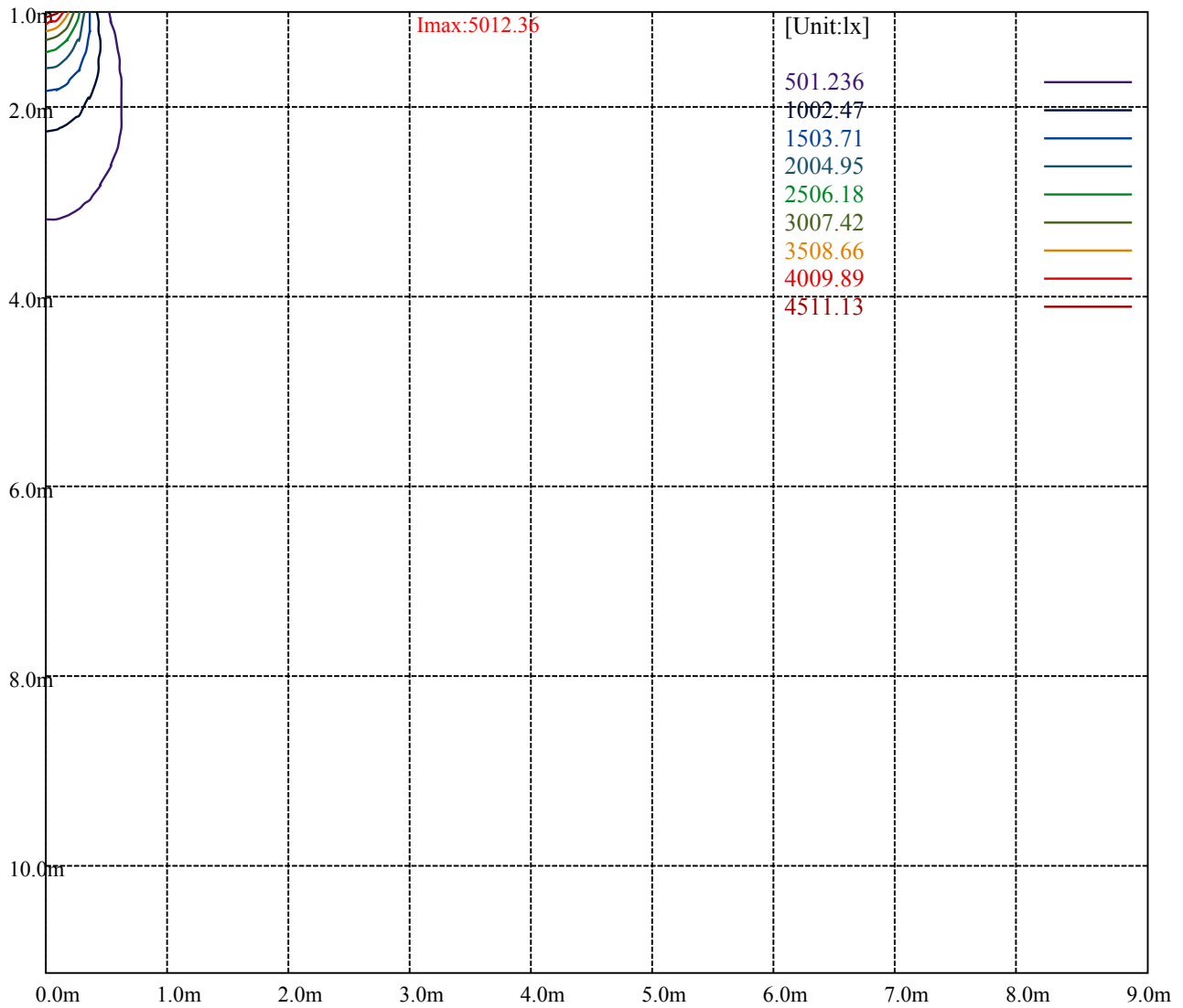
House

[Unit:cd]

Road

Imax:5012.36

(10%Imax)	501.236	—
(20%Imax)	1002.47	—
(30%Imax)	1503.71	—
(40%Imax)	2004.95	—
(50%Imax)	2506.18	—
(60%Imax)	3007.42	—
(70%Imax)	3508.66	—
(80%Imax)	4009.89	—
(90%Imax)	4511.13	—



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

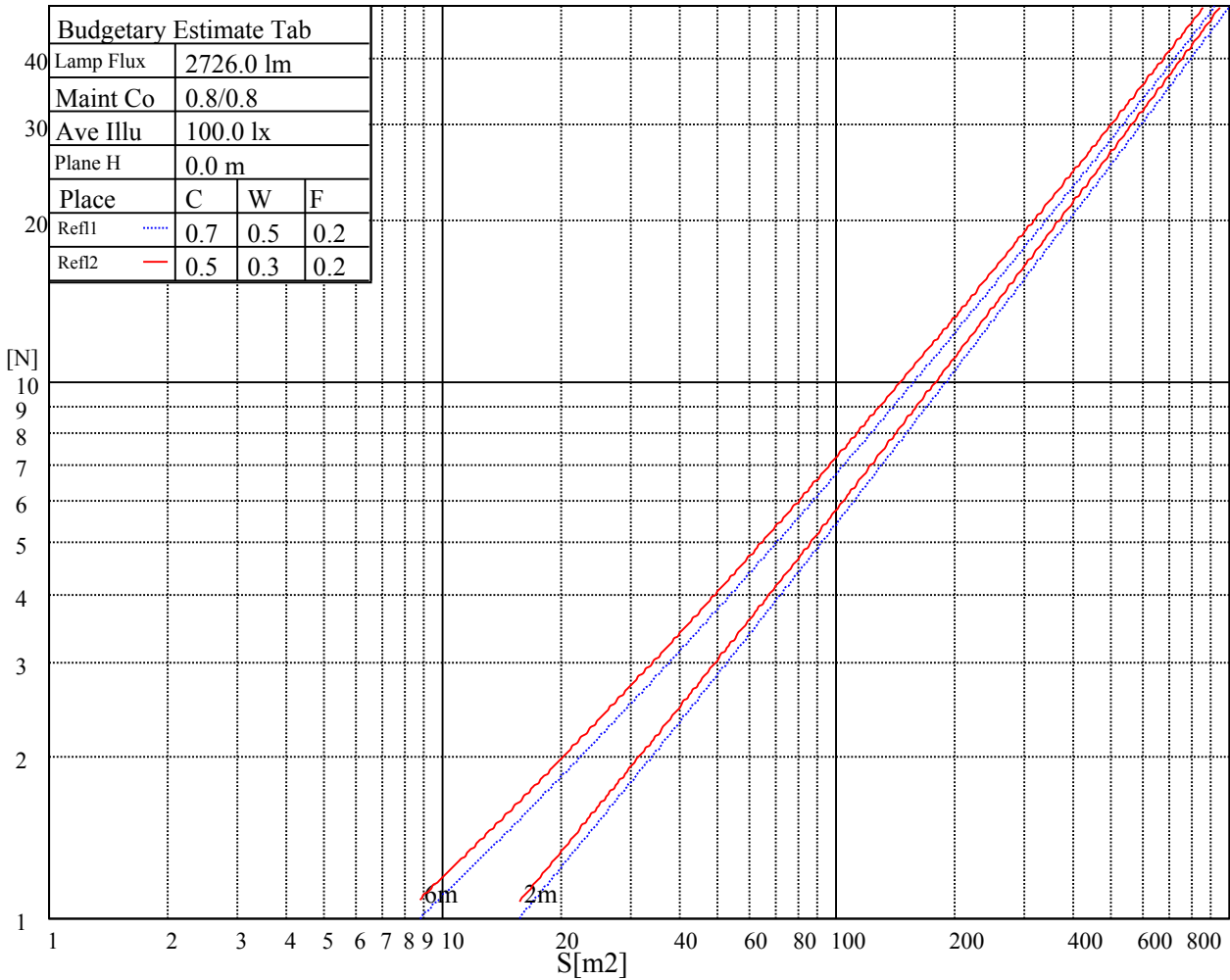
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

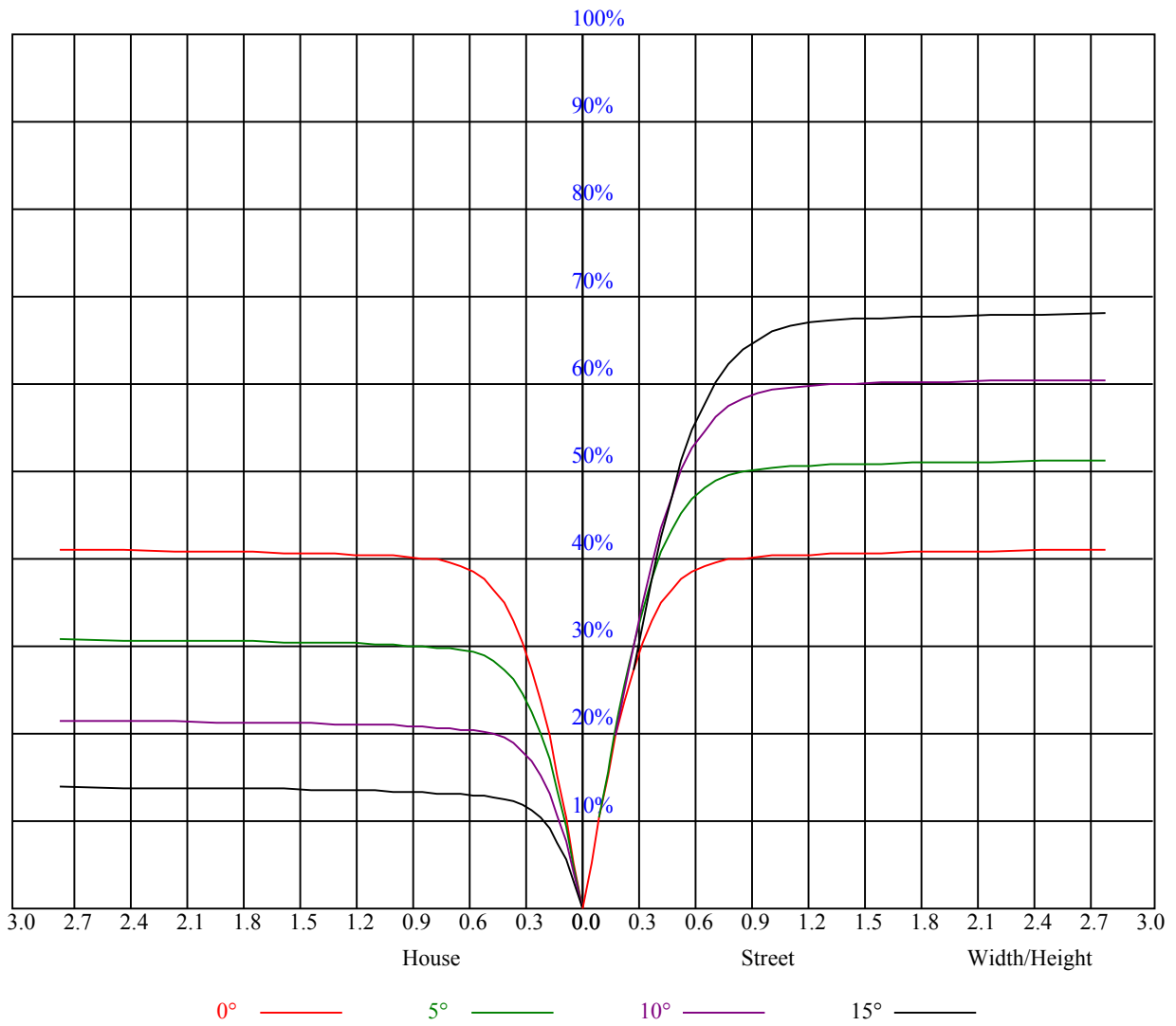


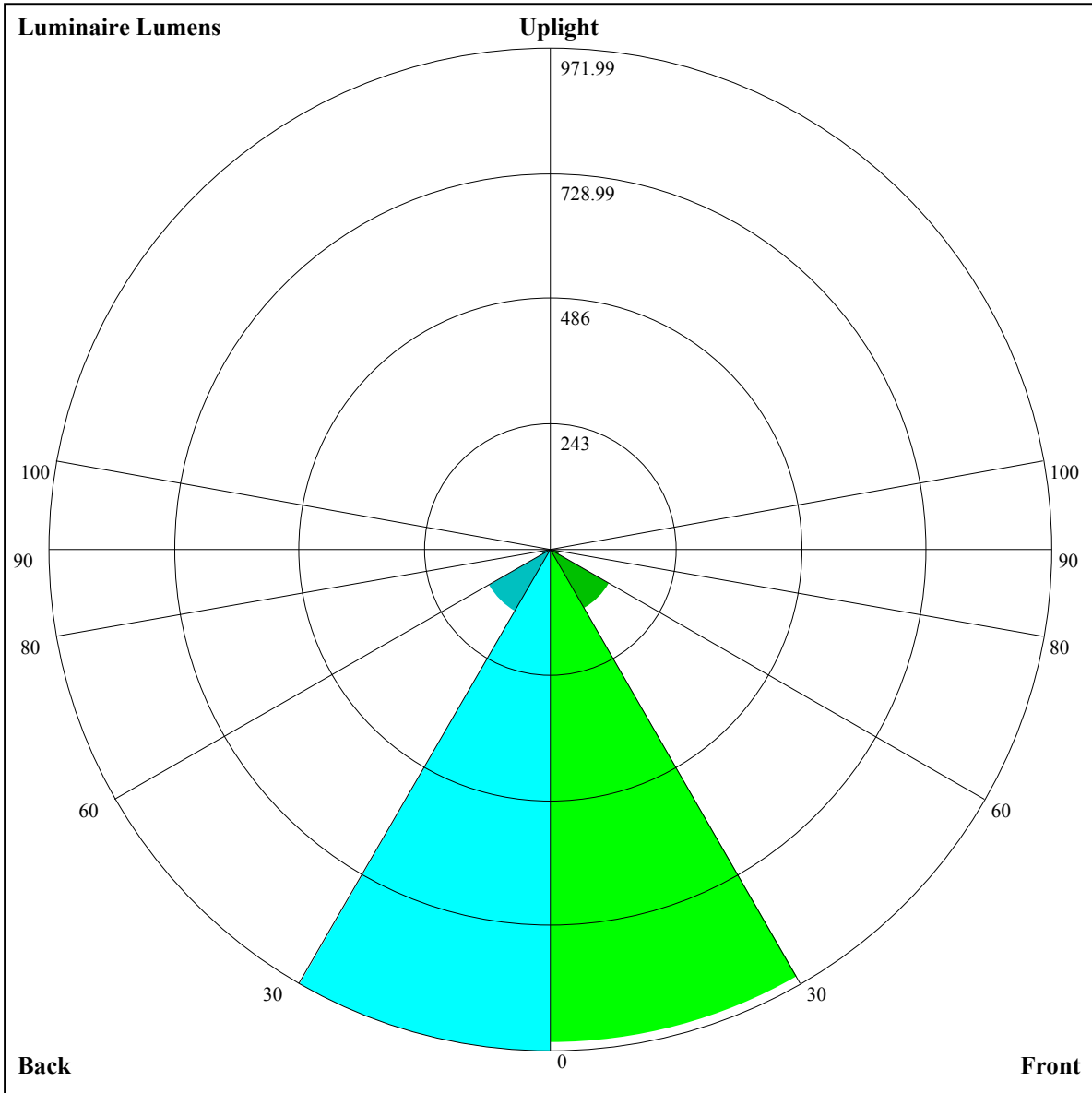
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	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	0.87	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	0.77	0.78	0.76	0.75	0.74
3	0.82	0.78	0.75	0.80	0.77	0.74	0.78	0.76	0.73	0.76	0.74	0.72	0.75	0.73	0.71	0.70
4	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.71	0.69	0.73	0.70	0.68	0.72	0.69	0.67	0.66
5	0.73	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
6	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.60
7	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.63	0.61	0.58	0.57
8	0.64	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.55
9	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.59	0.56	0.54	0.53
10	0.59	0.55	0.52	0.58	0.54	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.57	0.54	0.51	0.50





Luminaire Lumens:

FL=958.04,FM=133.68,FH=18.2,FVH=6.08

BL=971.99,BM=138.67,BH=17.6,BVH=5.99

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	5020.12	5001.98	4972.13	4921.80	4861.52	4764.96	4674.25	4564.81	4410.90
45.0	5003.73	5016.61	5014.27	4987.93	4955.74	4888.44	4811.78	4734.53	4603.44
90.0	5017.78	5015.44	4980.91	4941.11	4892.54	4824.07	4720.48	4616.90	4502.78
135.0	5007.83	5014.85	5009.58	4989.10	4937.60	4877.91	4819.39	4718.73	4605.78
180.0	5020.12	5016.02	4995.54	4965.11	4900.15	4835.77	4757.94	4637.38	4527.94
225.0	5003.73	4976.81	4930.58	4866.20	4795.39	4708.78	4579.44	4460.06	4326.04
270.0	5017.78	5004.90	4986.76	4929.41	4860.94	4786.03	4705.85	4574.76	4454.79
315.0	5007.83	4976.81	4935.85	4880.25	4804.17	4691.22	4586.47	4463.57	4288.00
360.0	5020.12	5001.98	4972.13	4921.80	4861.52	4764.96	4674.25	4564.81	4410.90
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4272.79	4120.63	3918.73	3749.01	3528.97	3348.13	3162.61	2976.51	2733.06
45.0	4489.32	4361.16	4211.92	4019.97	3848.50	3677.03	3495.61	3262.69	3068.39
90.0	4369.93	4181.49	4022.90	3852.59	3675.86	3444.69	3262.69	3071.90	2829.62
135.0	4465.91	4333.65	4180.32	3987.78	3822.16	3647.18	3464.59	3279.07	3036.21
180.0	4399.78	4230.06	4071.47	3870.15	3702.19	3525.45	3341.11	3160.86	2921.50
225.0	4180.91	3990.71	3829.19	3617.92	3440.60	3260.35	3025.09	2836.64	2640.59
270.0	4320.77	4167.45	3973.74	3808.12	3631.96	3411.34	3231.67	3044.40	2811.48
315.0	4139.94	3939.21	3772.42	3607.39	3434.74	3205.34	3020.40	2831.96	2635.91
360.0	4272.79	4120.63	3918.73	3749.01	3528.97	3348.13	3162.61	2976.51	2733.06
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2534.08	2340.96	2146.66	1912.57	1731.15	1566.71	1303.94	1151.72	1151.72
45.0	2876.44	2635.91	2441.62	2247.32	2005.04	1824.20	1609.43	1464.29	1332.62
90.0	2637.08	2390.12	2198.75	2006.21	1820.11	1608.84	1464.88	1151.31	1151.31
135.0	2843.08	2652.30	2412.94	2218.65	2030.79	1803.72	1637.52	1488.87	1327.35
180.0	2728.38	2528.23	2330.42	2092.82	1905.55	1724.72	1521.06	1387.04	1238.39
225.0	2394.80	2196.99	2003.28	1820.11	1610.01	1466.05	1165.65	1165.65	1108.42
270.0	2611.33	2404.16	2161.29	1981.63	1800.21	1622.89	1471.90	1312.13	1196.84
315.0	2387.19	2189.39	1995.68	1811.92	1601.82	1457.85	1151.55	1151.55	1068.80
360.0	2534.08	2340.96	2146.66	1912.57	1731.15	1566.71	1303.94	1151.72	1151.72
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1004.25	891.06	787.89	666.45	579.84	501.42	427.21	337.03	270.08
45.0	1207.96	1052.88	934.08	823.47	720.47	605.18	520.91	444.83	354.70
90.0	1059.73	940.05	829.26	722.87	606.29	524.01	447.11	356.46	287.40
135.0	1203.28	1081.55	937.00	826.98	722.81	629.18	524.42	446.59	373.43
180.0	1125.45	1004.89	865.02	760.85	657.27	572.99	473.51	400.94	331.88
225.0	969.72	859.64	757.11	638.60	553.80	457.35	385.96	317.54	240.35
270.0	1089.16	948.12	839.86	712.86	619.23	539.64	443.07	372.26	304.96
315.0	929.69	822.59	723.40	609.04	528.34	453.32	381.92	297.53	237.31
360.0	1004.25	891.06	787.89	666.45	579.84	501.42	427.21	337.03	270.08
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	211.21	161.81	113.24	93.11	83.63	74.03	68.06	62.79	57.06
45.0	303.79	303.79	160.47	120.79	96.45	83.51	75.96	69.52	64.08
90.0	226.89	163.34	123.07	92.93	83.28	75.79	69.23	62.50	57.82
135.0	303.79	303.79	170.65	129.22	100.66	84.62	77.37	69.06	63.79
180.0	299.69	299.69	147.30	111.43	88.02	79.82	70.81	65.14	60.16
225.0	186.04	140.34	105.87	84.33	76.25	68.94	63.15	56.94	52.55
270.0	304.96	171.35	128.40	97.44	82.11	72.51	65.78	60.45	55.83
315.0	184.40	139.87	106.28	85.38	77.54	70.58	63.67	58.99	53.67
360.0	211.21	161.81	113.24	93.11	83.63	74.03	68.06	62.79	57.06

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	52.90	49.04	44.89	41.90	39.33	36.75	34.12	32.19	30.49
45.0	58.17	53.90	49.98	46.47	42.49	39.62	37.10	34.24	32.30
90.0	53.37	49.51	45.18	42.14	39.33	36.87	34.00	32.07	29.90
135.0	59.05	53.84	49.92	46.53	43.31	39.74	37.22	34.94	32.95
180.0	55.65	50.56	46.99	43.72	40.73	37.51	35.11	33.01	31.08
225.0	48.57	44.24	41.14	37.63	35.23	32.95	31.02	28.85	27.27
270.0	50.56	46.88	43.60	39.91	37.28	34.35	32.30	30.43	28.32
315.0	49.98	46.53	42.60	39.91	37.34	35.05	32.60	30.72	29.09
360.0	52.90	49.04	44.89	41.90	39.33	36.75	34.12	32.19	30.49
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.91	27.21	25.98	24.58	23.64	22.77	21.83	21.19	20.54
45.0	30.49	28.50	27.10	25.87	24.46	23.53	22.59	21.59	20.89
90.0	28.44	26.98	25.52	24.46	23.41	22.59	21.54	20.89	20.25
135.0	30.72	29.14	27.74	26.22	25.11	23.82	22.94	22.12	21.24
180.0	28.97	27.51	26.22	24.81	23.82	22.88	21.89	21.19	20.60
225.0	25.93	24.76	23.35	22.47	21.71	20.78	20.19	19.55	18.96
270.0	26.86	25.52	24.40	23.17	22.30	21.54	20.89	20.13	19.55
315.0	27.62	26.10	25.05	24.05	23.00	22.18	21.42	20.78	20.19
360.0	28.91	27.21	25.98	24.58	23.64	22.77	21.83	21.19	20.54
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.90	19.37	18.90	18.67	18.90	19.37	19.96	20.66	21.54
45.0	20.25	19.66	19.14	18.55	18.08	17.67	17.15	16.74	16.21
90.0	19.72	19.08	18.61	18.14	17.73	17.26	16.80	16.44	16.27
135.0	20.60	20.07	19.61	18.96	18.49	18.02	17.62	17.09	16.74
180.0	19.84	19.31	18.79	18.32	17.79	17.32	16.97	17.03	17.56
225.0	18.43	17.97	17.44	17.03	16.62	16.27	15.74	15.39	15.04
270.0	19.08	18.43	17.97	17.62	17.09	16.68	16.33	15.86	15.51
315.0	19.66	19.02	18.55	18.14	17.67	17.21	16.97	16.85	16.80
360.0	19.90	19.37	18.90	18.67	18.90	19.37	19.96	20.66	21.54
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	21.89	21.77	21.30	20.60	19.66	18.73	17.85	16.91	14.75
45.0	15.80	15.45	14.98	14.63	14.40	14.05	13.69	13.46	13.28
90.0	16.68	17.56	18.20	18.73	18.90	18.67	18.02	16.56	13.69
135.0	16.39	16.50	17.03	17.79	18.49	18.49	18.02	17.32	16.27
180.0	17.79	17.62	17.15	16.56	15.63	14.86	14.16	13.40	12.70
225.0	14.69	14.28	13.93	13.58	13.17	12.87	12.52	12.23	12.00
270.0	15.22	14.92	15.22	15.27	15.16	14.98	14.57	14.22	13.69
315.0	16.80	16.97	17.32	17.44	17.26	16.74	16.15	15.22	13.93
360.0	21.89	21.77	21.30	20.60	19.66	18.73	17.85	16.91	14.75
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.52	11.65	11.41	11.00	10.83	10.42	10.01	9.77	9.60
45.0	13.05	12.87	12.76	12.64	12.47	12.29	10.24	9.95	9.71
90.0	12.47	12.06	11.82	11.70	10.77	10.24	10.07	9.83	9.60
135.0	14.63	12.76	11.82	11.24	10.94	10.48	10.18	9.95	9.77
180.0	12.11	11.65	11.29	11.00	10.65	10.24	10.01	9.83	9.60
225.0	11.65	11.47	11.35	11.12	10.18	10.01	9.83	9.60	9.48
270.0	12.52	11.70	11.35	11.18	11.12	10.30	10.01	9.77	9.54
315.0	12.76	11.70	11.24	10.83	10.65	10.12	9.83	9.60	9.54
360.0	12.52	11.65	11.41	11.00	10.83	10.42	10.01	9.77	9.60

Intensity data(cd)

C/γ(°)	90.0
0.0	9.54
45.0	9.48
90.0	9.54
135.0	9.54
180.0	9.54
225.0	9.54
270.0	9.54
315.0	9.60
360.0	9.54