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NT

Client:

LumCAT: 2-2689-L

Luminaire: 92.70.411.00

Report No: 2024418-B024

Ballast type: AC

Test No: 2024418-C024

Voltage(V): 33.680

LampCAT: NICHIA NFCWJ120B-V3

Current(A): 0.576

Lamp flux(lm): 2726.0

Power (W): 19.399

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2265.52, Efficiency(%): 83.11% , Luminous Efficacy(lm/W): 116.79

Central intensity(cd): 4260.205, Maximum intensity(cd): 4260.205

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=65.2

[C90/270]Total=65.2

Maximum s/h(1/2): C0_180=0.69 C90_270=0.69

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(%): 83.11%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.452%

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	4260.204	0.000	0	0.00%	0.00%
1.0	4256.619	4.075	4.075	0.15%	0.18%
2.0	4246.012	12.204	16.279	0.45%	0.72%
3.0	4221.872	20.252	36.531	0.74%	1.61%
4.0	4188.368	28.152	64.683	1.03%	2.86%
5.0	4138.258	35.821	100.504	1.31%	4.44%
6.0	4084.197	43.211	143.715	1.59%	6.34%
7.0	4018.725	50.295	194.01	1.85%	8.56%
8.0	3937.452	56.941	250.951	2.09%	11.08%
9.0	3844.987	63.072	314.023	2.31%	13.86%
10.0	3740.597	68.647	382.67	2.52%	16.89%
11.0	3634.233	73.690	456.359	2.70%	20.14%
12.0	3512.360	78.122	534.482	2.87%	23.59%
13.0	3373.369	81.716	616.198	3.00%	27.20%
14.0	3234.963	84.586	700.784	3.10%	30.93%
15.0	3096.777	86.925	787.709	3.19%	34.77%
16.0	2955.372	88.681	876.39	3.25%	38.68%
17.0	2810.967	89.797	966.187	3.29%	42.65%
18.0	2656.248	90.143	1056.33	3.31%	46.63%
19.0	2509.869	89.880	1146.21	3.30%	50.59%
20.0	2357.491	89.086	1235.296	3.27%	54.53%
21.0	2202.480	87.561	1322.857	3.21%	58.39%
22.0	2041.031	85.275	1408.132	3.13%	62.15%
23.0	1899.260	82.678	1490.81	3.03%	65.80%
24.0	1745.712	79.692	1570.502	2.92%	69.32%
25.0	1540.063	74.711	1645.213	2.74%	72.62%
26.0	1410.290	69.643	1714.857	2.55%	75.69%
27.0	1229.953	64.594	1779.451	2.37%	78.54%
28.0	1116.075	59.396	1838.847	2.18%	81.17%
29.0	943.683	53.889	1892.736	1.98%	83.55%
30.0	793.309	46.898	1939.635	1.72%	85.62%
31.0	639.607	39.876	1979.511	1.46%	87.38%
32.0	505.225	32.798	2012.309	1.20%	88.82%
33.0	380.908	26.106	2038.415	0.96%	89.98%
34.0	297.923	20.543	2058.958	0.75%	90.88%
35.0	234.858	16.546	2075.504	0.61%	91.61%
36.0	183.797	13.330	2088.834	0.49%	92.20%
37.0	151.522	10.936	2099.771	0.40%	92.68%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	119.459	9.045	2108.816	0.33%	93.08%
39.0	107.425	7.744	2116.56	0.28%	93.42%
40.0	98.150	7.170	2123.73	0.26%	93.74%
41.0	89.635	6.687	2130.417	0.25%	94.04%
42.0	82.473	6.253	2136.669	0.23%	94.31%
43.0	76.328	5.882	2142.552	0.22%	94.57%
44.0	70.944	5.558	2148.11	0.20%	94.82%
45.0	66.028	5.264	2153.374	0.19%	95.05%
46.0	61.354	4.982	2158.356	0.18%	95.27%
47.0	57.337	4.721	2163.077	0.17%	95.48%
48.0	53.746	4.491	2167.567	0.16%	95.68%
49.0	50.424	4.278	2171.845	0.16%	95.87%
50.0	47.176	4.069	2175.914	0.15%	96.04%
51.0	44.287	3.870	2179.784	0.14%	96.22%
52.0	41.690	3.689	2183.473	0.14%	96.38%
53.0	39.371	3.526	2186.999	0.13%	96.53%
54.0	37.074	3.369	2190.369	0.12%	96.68%
55.0	34.887	3.212	2193.581	0.12%	96.82%
56.0	33.102	3.072	2196.653	0.11%	96.96%
57.0	31.470	2.952	2199.606	0.11%	97.09%
58.0	29.898	2.838	2202.444	0.10%	97.22%
59.0	28.508	2.730	2205.174	0.10%	97.34%
60.0	27.206	2.632	2207.806	0.10%	97.45%
61.0	26.050	2.541	2210.348	0.09%	97.56%
62.0	24.828	2.452	2212.799	0.09%	97.67%
63.0	23.694	2.360	2215.159	0.09%	97.78%
64.0	22.597	2.271	2217.431	0.08%	97.88%
65.0	21.675	2.191	2219.622	0.08%	97.97%
66.0	20.951	2.127	2221.748	0.08%	98.07%
67.0	20.446	2.082	2223.83	0.08%	98.16%
68.0	20.359	2.067	2225.897	0.08%	98.25%
69.0	20.534	2.086	2227.983	0.08%	98.34%
70.0	20.827	2.124	2230.107	0.08%	98.44%
71.0	21.324	2.179	2232.286	0.08%	98.53%
72.0	21.902	2.248	2234.534	0.08%	98.63%
73.0	22.312	2.312	2236.846	0.08%	98.73%
74.0	22.590	2.361	2239.206	0.09%	98.84%
75.0	22.443	2.379	2241.586	0.09%	98.94%

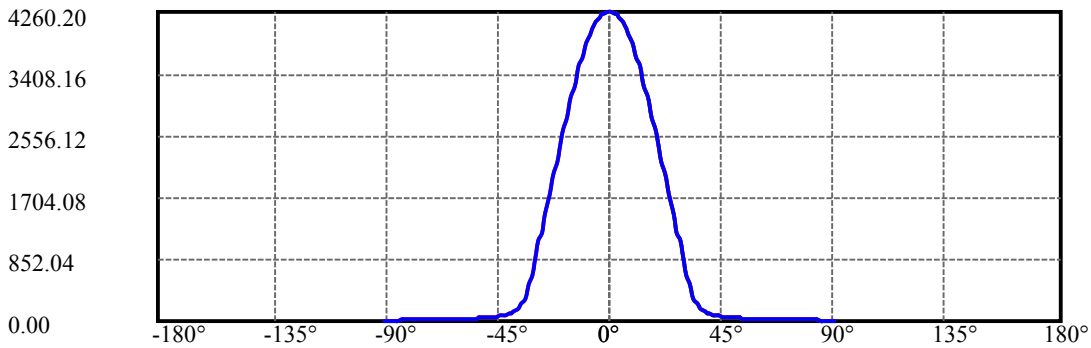
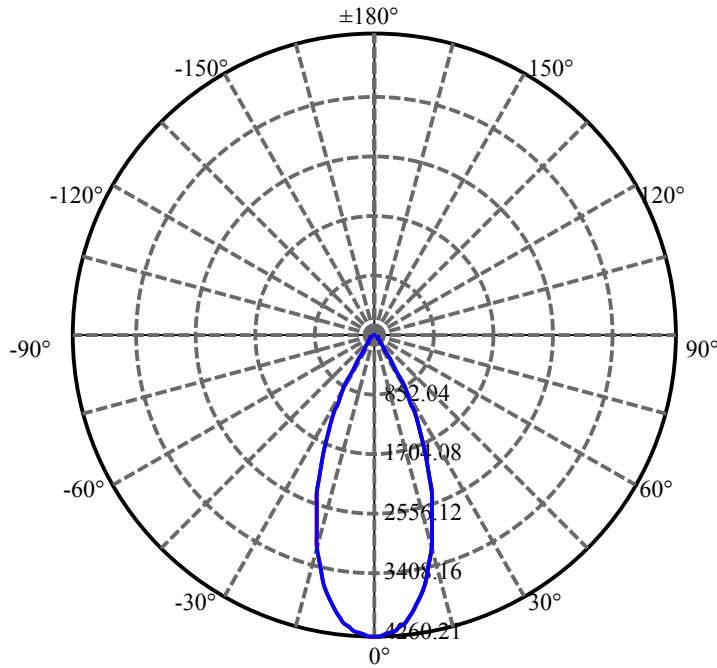
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	21.756	2.346	2243.932	0.09%	99.05%
77.0	20.578	2.257	2246.189	0.08%	99.15%
78.0	19.298	2.135	2248.323	0.08%	99.24%
79.0	17.674	1.986	2250.31	0.07%	99.33%
80.0	16.050	1.818	2252.128	0.07%	99.41%
81.0	14.645	1.660	2253.788	0.06%	99.48%
82.0	14.002	1.553	2255.341	0.06%	99.55%
83.0	13.592	1.500	2256.841	0.06%	99.62%
84.0	13.219	1.461	2258.302	0.05%	99.68%
85.0	12.414	1.399	2259.701	0.05%	99.74%
86.0	11.266	1.294	2260.995	0.05%	99.80%
87.0	10.666	1.200	2262.196	0.04%	99.85%
88.0	10.190	1.142	2263.338	0.04%	99.90%
89.0	9.920	1.102	2264.44	0.04%	99.95%
90.0	9.810	1.082	2265.522	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1939.63	71.15%	85.62%
0-40	2123.73	77.91%	93.74%
0-60	2207.81	80.99%	97.45%
0-90	2264.44	83.07%	99.95%
0-120	2264.44	83.07%	99.95%
0-180	2265.52	83.11%	100.00%
60-90	56.63	2.08%	2.50%
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%
0-27.56	1812.42	66.49%	80.00%

ZONAL LUMEN SUMMARY

0-10	382.67
10-20	852.63
20-30	704.34
30-40	184.09
40-50	52.18
50-60	31.89
60-70	22.30
70-80	22.02
80-90	12.31
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



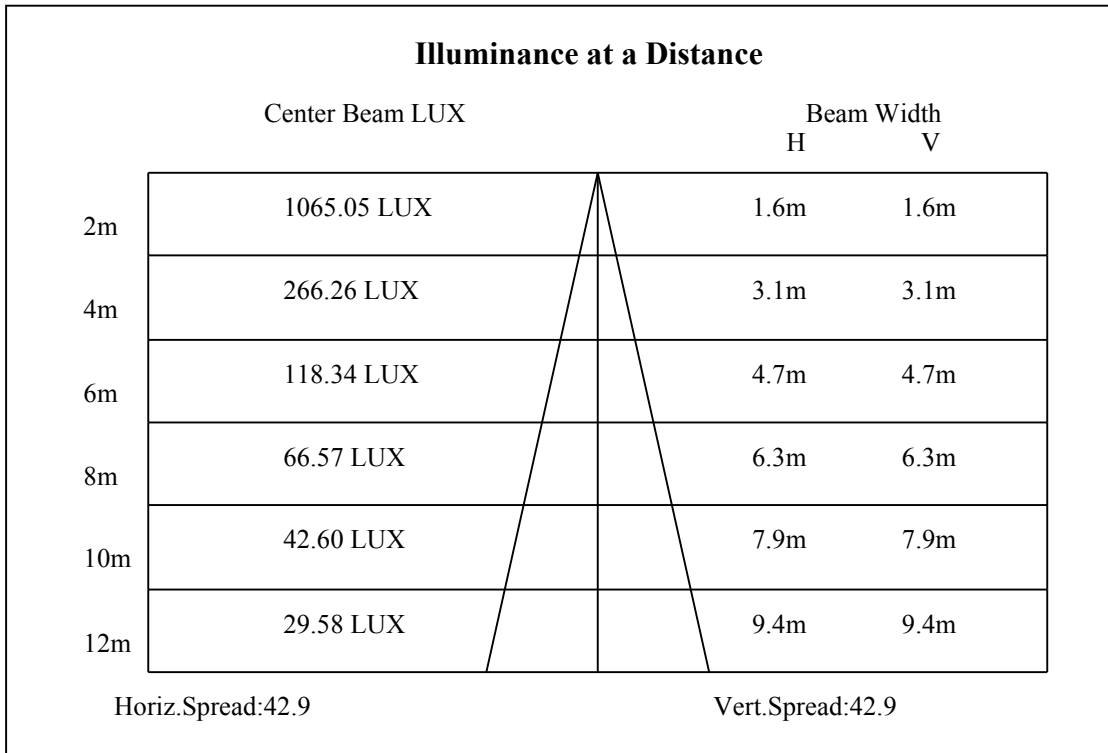
C0(Max): —————

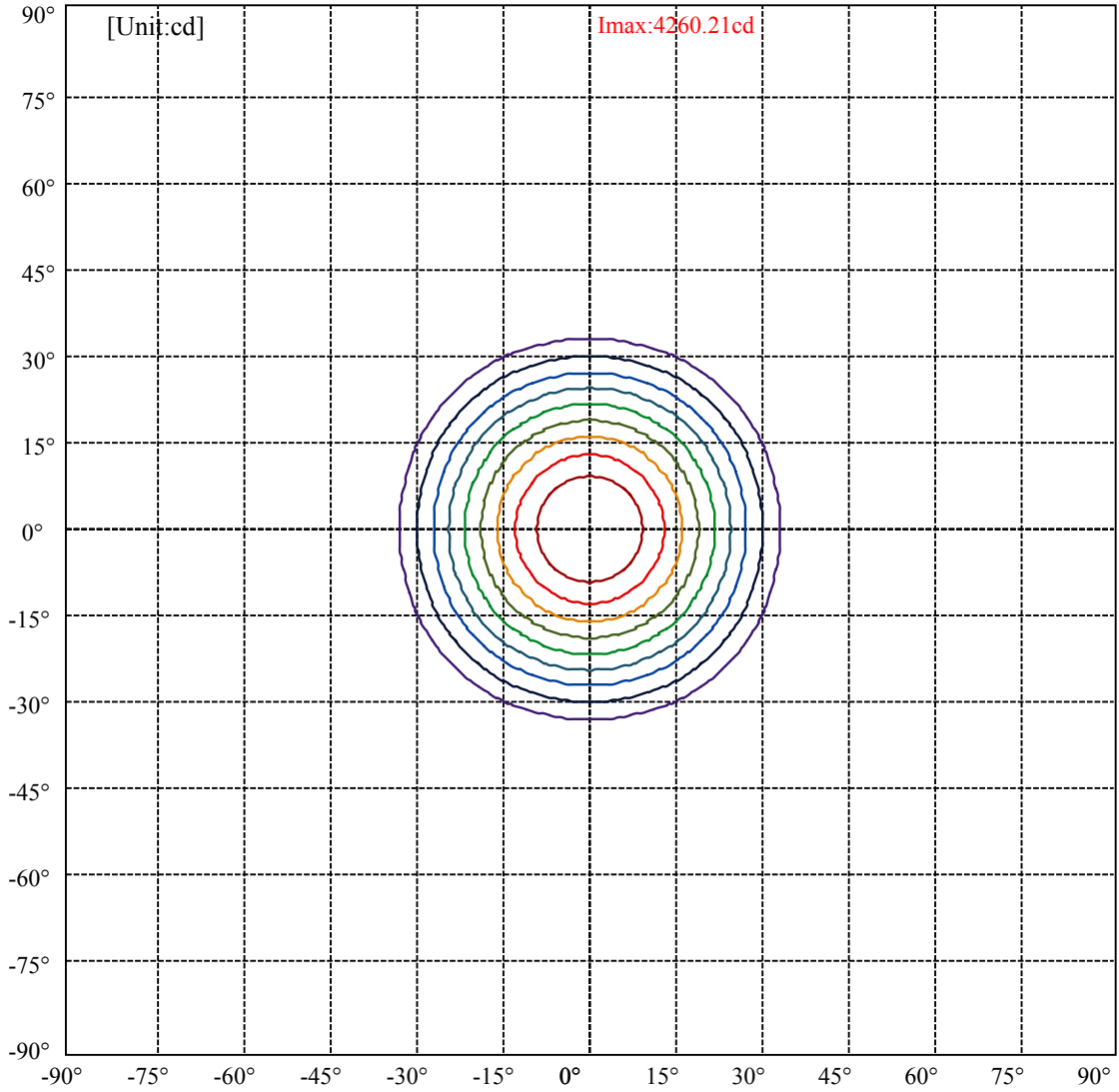
C0/C180: —————

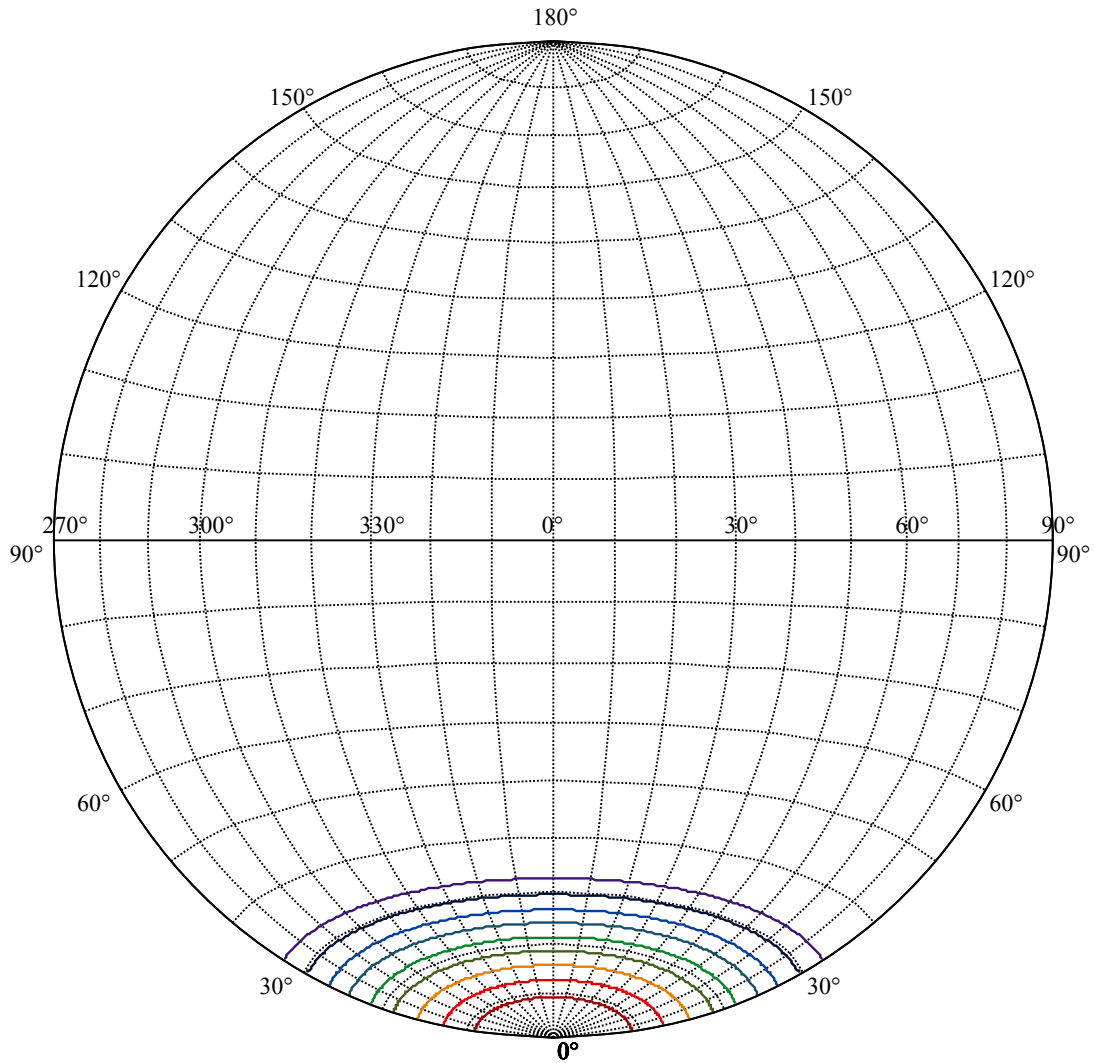
C90/C270: —————

Field angle(10%Imax):C0/180Left:32.6 Right:32.6
:C90/270Left:32.6 Right:32.6

Beam Angle(50%Imax):C0/180Left:21.4 Right:21.4
:C90/270Left:21.4 Right:21.4







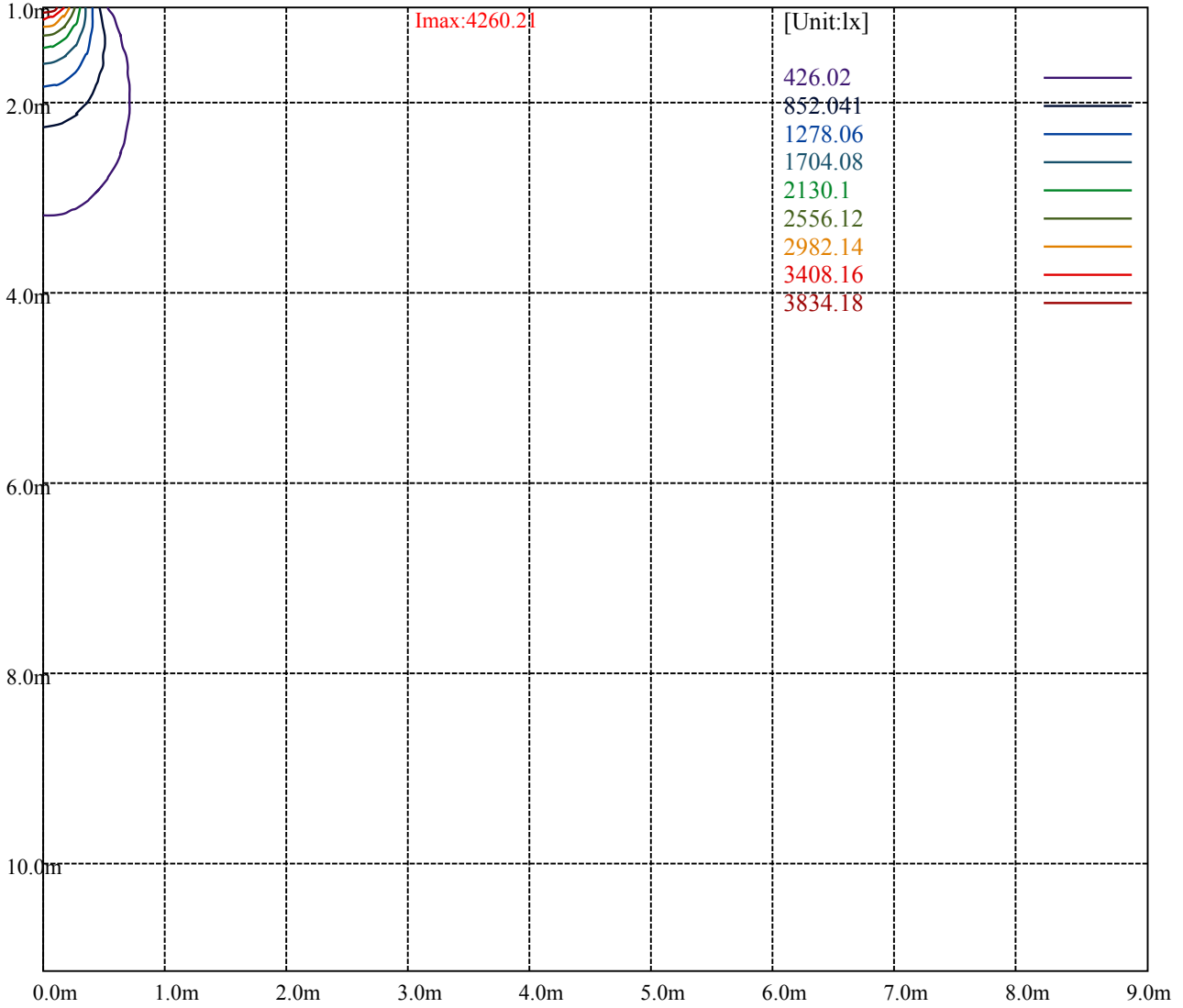
House

[Unit:cd]

Road

Imax:4260.21

(10%Imax)	426.02	—
(20%Imax)	852.041	—
(30%Imax)	1278.06	—
(40%Imax)	1704.08	—
(50%Imax)	2130.1	—
(60%Imax)	2556.12	—
(70%Imax)	2982.14	—
(80%Imax)	3408.16	—
(90%Imax)	3834.18	—



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

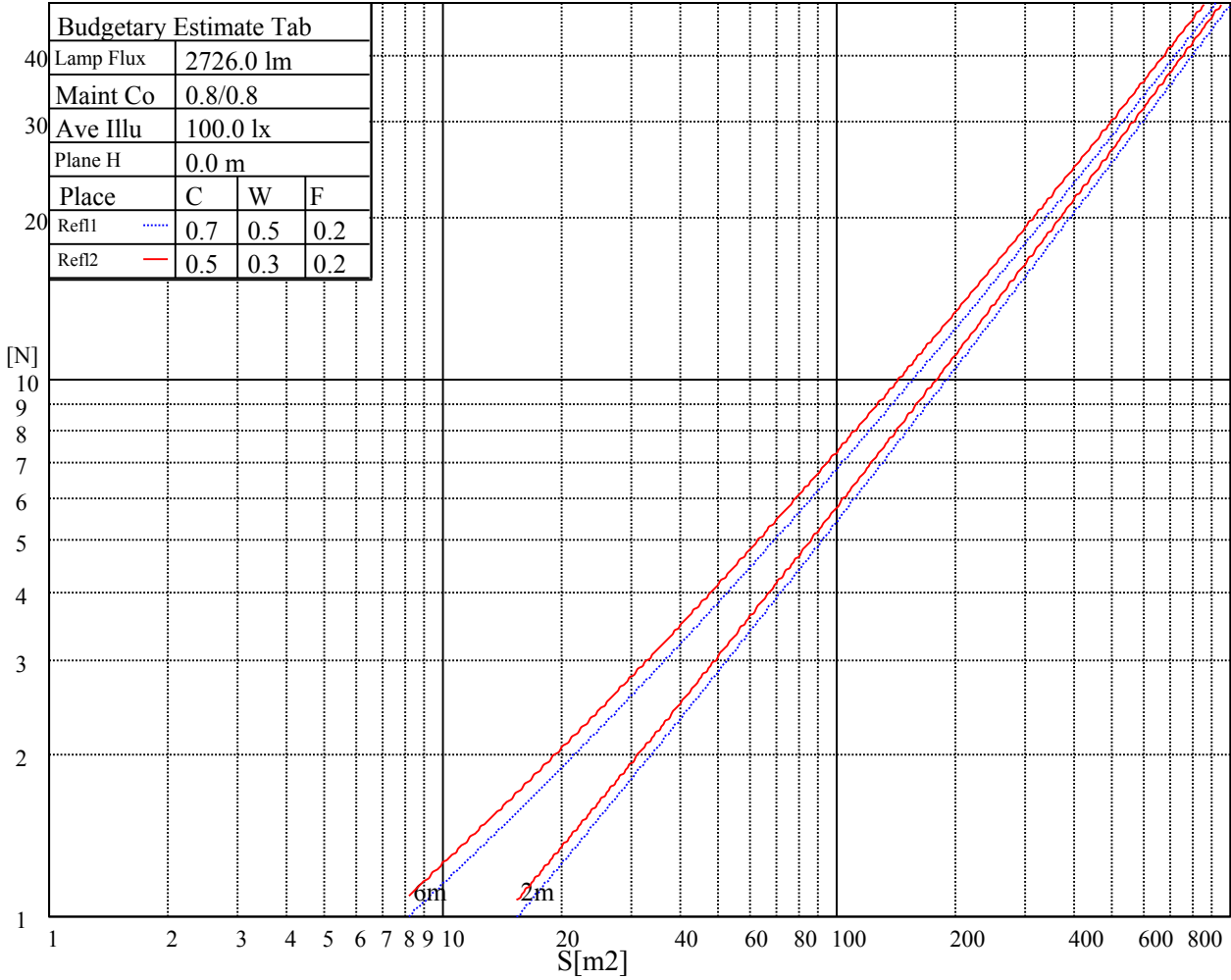
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

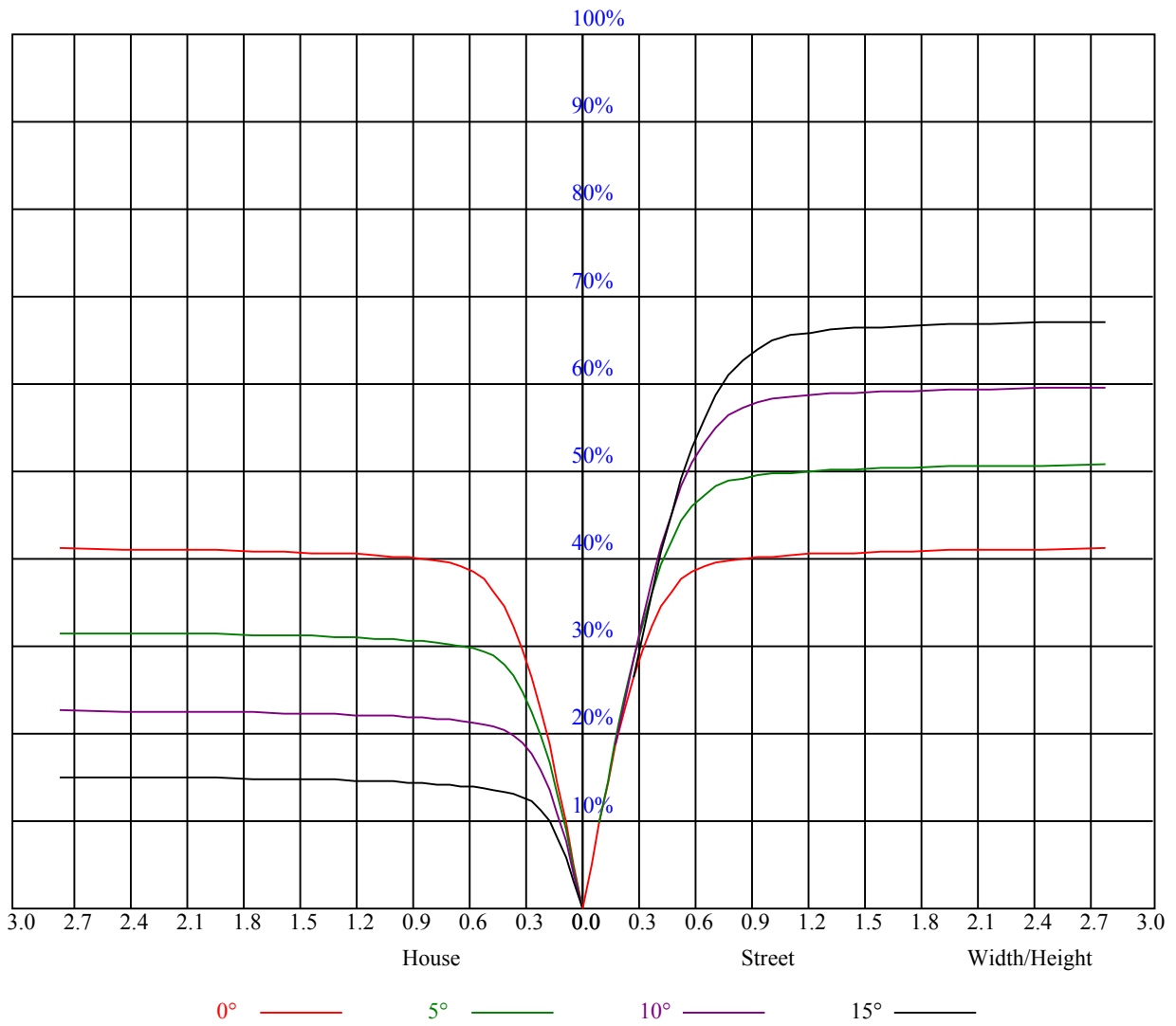


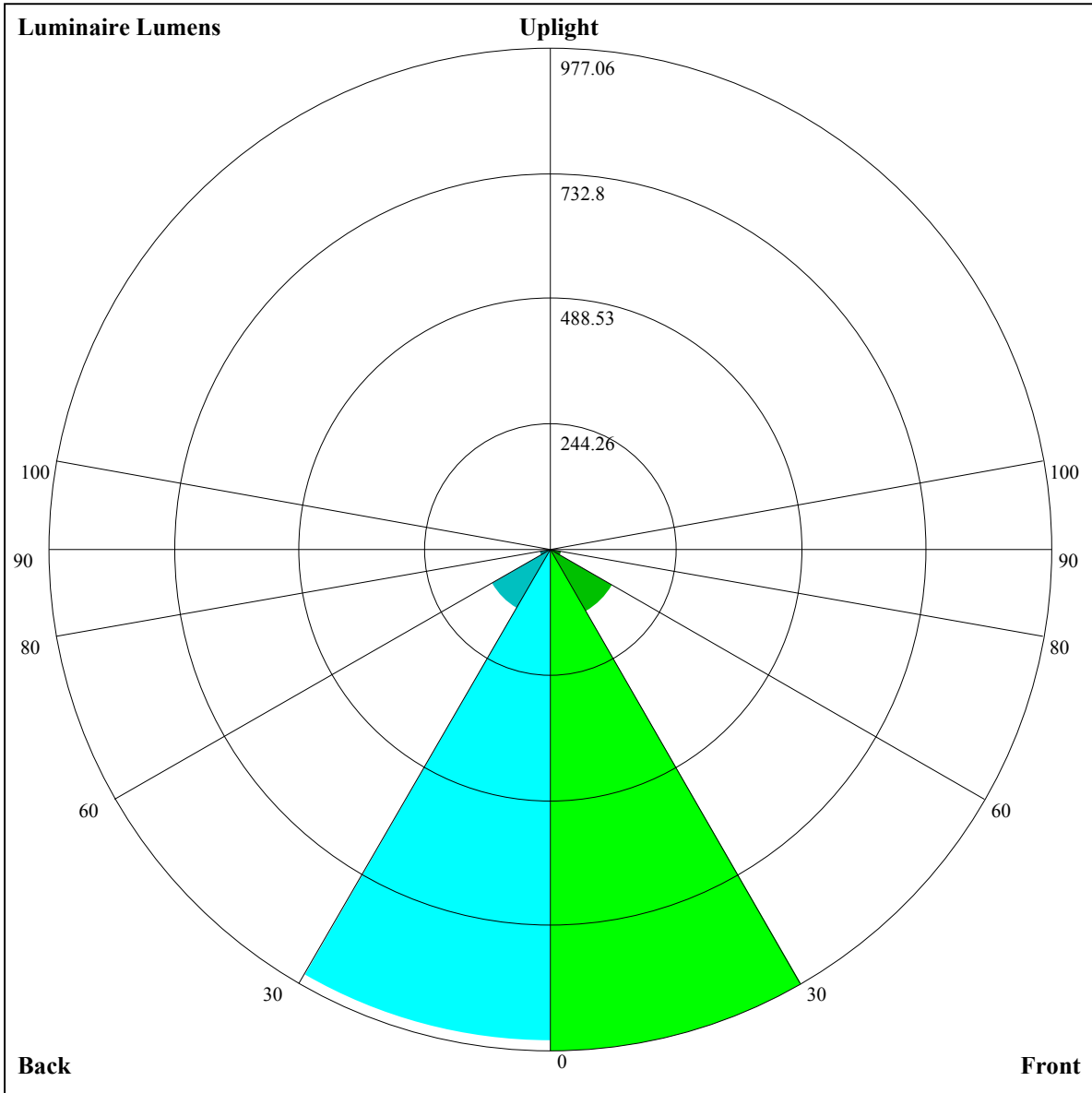
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	0.99	0.99	0.99	0.97	0.97	0.97	0.92	0.92	0.92	0.88	0.88	0.88	0.85	0.85	0.85	0.83
1	0.92	0.90	0.88	0.90	0.89	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	0.76	0.78	0.76	0.75	0.73
3	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.74	0.72	0.71	0.69
4	0.77	0.73	0.70	0.76	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.71	0.69	0.67	0.66
5	0.73	0.69	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
6	0.69	0.65	0.62	0.69	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.65	0.62	0.60	0.59
7	0.66	0.62	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.63	0.60	0.57	0.56
8	0.63	0.59	0.55	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.54
9	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.52	0.58	0.55	0.52	0.51
10	0.58	0.53	0.50	0.57	0.53	0.50	0.57	0.53	0.50	0.56	0.53	0.50	0.55	0.52	0.50	0.49





Luminaire Lumens:

FL=977.06,FM=138.75,FH=23.23,FVH=6.86

BL=957.14,BM=133.07,BH=21.08,BVH=6.72

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	4269.27	4275.13	4268.10	4252.89	4230.06	4189.10	4139.35	4080.83	4001.83
45.0	4256.40	4265.18	4269.27	4268.10	4258.74	4240.60	4213.09	4173.30	4110.68
90.0	4259.33	4260.50	4249.96	4241.18	4213.68	4168.03	4130.58	4078.49	4021.72
135.0	4255.81	4256.40	4250.55	4235.92	4204.90	4168.62	4128.24	4077.32	4003.58
180.0	4269.27	4258.16	4245.87	4203.14	4170.37	4103.66	4052.16	3981.34	3900.00
225.0	4256.40	4224.80	4194.95	4152.23	4091.95	4012.36	3934.53	3829.19	3729.11
270.0	4259.33	4262.25	4251.13	4216.60	4172.71	4127.65	4042.79	3974.32	3868.98
315.0	4255.81	4250.55	4238.26	4204.90	4164.52	4096.05	4032.84	3955.01	3863.71
360.0	4269.27	4275.13	4268.10	4252.89	4230.06	4189.10	4139.35	4080.83	4001.83
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3901.17	3804.02	3693.41	3574.03	3416.02	3287.27	3153.25	2976.51	2842.50
45.0	4044.55	3951.50	3861.96	3767.74	3621.43	3500.29	3368.61	3202.99	3069.56
90.0	3926.92	3839.13	3739.06	3596.85	3473.37	3318.87	3188.36	3055.52	2919.16
135.0	3934.53	3856.69	3763.06	3636.65	3519.60	3397.87	3238.69	3111.70	2975.34
180.0	3799.92	3703.36	3599.19	3484.49	3335.84	3215.28	3046.74	2917.41	2783.39
225.0	3622.02	3479.81	3361.59	3234.60	3107.60	2945.50	2820.84	2689.75	2552.81
270.0	3775.34	3674.10	3557.64	3435.33	3276.73	3143.89	3014.55	2881.12	2710.82
315.0	3755.45	3616.16	3497.95	3369.20	3236.35	3070.73	2943.16	2807.97	2634.16
360.0	3901.17	3804.02	3693.41	3574.03	3416.02	3287.27	3153.25	2976.51	2842.50
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2706.72	2537.01	2394.80	2208.11	2064.15	1911.99	1770.95	1594.80	1330.86
45.0	2940.23	2799.19	2631.82	2496.63	2349.15	2204.02	2016.74	1873.95	1729.98
90.0	2750.03	2614.26	2480.24	2330.42	2150.18	2005.62	1860.49	1721.79	1549.15
135.0	2810.89	2678.05	2506.58	2370.80	2225.67	2082.87	1903.21	1765.10	1626.98
180.0	2604.89	2465.03	2326.33	2181.78	1998.02	1851.71	1715.94	1589.53	1414.55
225.0	2378.41	2234.45	2089.31	1909.65	1776.80	1644.54	1476.58	1137.27	1137.27
270.0	2567.44	2432.25	2259.61	2098.68	1914.33	1777.97	1644.54	1471.31	1326.76
315.0	2491.36	2318.72	2171.24	2023.77	1849.95	1715.35	1577.24	1166.76	1166.76
360.0	2706.72	2537.01	2394.80	2208.11	2064.15	1911.99	1770.95	1594.80	1330.86
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1134.05	1134.05	939.34	789.23	648.08	517.40	372.09	278.86	194.88
45.0	1547.39	1395.23	1199.18	1042.93	888.43	742.71	572.41	448.34	342.42
90.0	1161.96	1161.96	1043.51	886.26	702.21	565.21	440.38	307.65	226.83
135.0	1485.36	1332.03	1135.40	977.38	824.64	646.73	517.40	374.02	300.86
180.0	1265.90	1113.74	924.13	770.21	627.42	466.48	355.29	307.30	307.30
225.0	983.35	833.65	687.99	549.12	399.42	300.16	222.39	162.58	139.17
270.0	1171.68	1023.03	837.52	690.62	547.24	436.64	312.57	312.57	211.85
315.0	1089.92	934.90	782.39	640.70	479.42	366.47	254.75	192.07	155.55
360.0	1134.05	1134.05	939.34	789.23	648.08	517.40	372.09	278.86	194.88
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	159.47	138.00	119.50	108.68	99.90	92.23	83.63	77.72	72.45
45.0	296.18	296.18	148.53	129.10	115.46	102.53	94.46	87.08	79.18
90.0	172.17	143.03	121.26	108.97	99.55	91.53	83.04	76.96	71.63
135.0	300.86	152.51	131.91	117.34	106.45	95.51	88.37	81.87	76.08
180.0	147.71	129.57	113.71	103.88	95.74	88.37	80.23	74.56	69.29
225.0	123.72	112.42	100.95	93.23	84.62	78.42	73.09	67.24	62.97
270.0	139.52	122.84	111.90	100.66	93.11	84.62	78.77	73.39	68.71
315.0	130.74	117.63	107.92	97.56	90.36	83.86	78.19	71.81	67.24
360.0	159.47	138.00	119.50	108.68	99.90	92.23	83.63	77.72	72.45

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	67.59	62.15	58.41	54.84	50.74	47.75	45.00	41.90	39.62
45.0	73.68	67.48	63.15	59.17	55.60	51.27	48.22	45.53	43.01
90.0	65.78	61.62	57.00	53.78	50.68	47.70	44.48	42.08	39.80
135.0	69.76	65.19	61.10	56.59	53.31	49.22	46.47	43.89	41.61
180.0	64.73	59.69	56.12	51.97	48.87	46.12	42.96	40.56	38.27
225.0	59.11	55.65	51.68	48.81	46.12	43.48	40.38	38.10	36.05
270.0	64.37	59.58	56.01	52.79	49.69	46.17	43.60	41.20	38.39
315.0	63.20	59.46	55.25	52.03	48.40	45.71	43.19	40.26	38.22
360.0	67.59	62.15	58.41	54.84	50.74	47.75	45.00	41.90	39.62
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	37.45	35.05	33.30	31.72	30.26	28.62	27.51	26.69	26.10
45.0	40.03	37.81	35.87	33.65	31.95	30.49	28.85	27.56	26.16
90.0	37.63	35.29	33.53	31.95	30.43	28.79	27.56	26.04	24.93
135.0	39.03	37.10	35.23	33.53	31.43	30.02	28.68	27.45	25.93
180.0	36.23	33.83	32.07	30.49	29.09	27.51	26.34	25.22	23.58
225.0	33.65	32.01	30.08	28.62	27.33	26.28	24.93	23.76	22.53
270.0	36.34	34.00	32.36	30.84	29.14	28.03	26.92	25.87	24.70
315.0	36.23	34.00	32.36	30.96	29.55	28.32	26.86	25.81	24.70
360.0	37.45	35.05	33.30	31.72	30.26	28.62	27.51	26.69	26.10
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.63	25.40	25.52	25.63	25.87	26.51	27.39	28.38	29.61
45.0	24.99	23.82	22.65	21.36	20.25	19.02	18.02	17.26	16.80
90.0	23.76	22.18	21.01	20.01	18.55	17.67	17.15	16.68	16.39
135.0	24.70	23.06	21.89	20.83	19.43	18.38	17.79	17.32	17.21
180.0	22.41	21.30	20.01	18.96	18.67	19.25	20.01	21.07	22.36
225.0	21.36	19.90	18.90	18.20	17.67	17.21	16.85	16.50	16.21
270.0	23.23	22.30	21.42	20.95	21.13	21.83	22.94	23.99	25.05
315.0	23.47	22.82	22.00	21.65	22.00	23.00	24.11	25.40	26.98
360.0	25.63	25.40	25.52	25.63	25.87	26.51	27.39	28.38	29.61
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	30.08	30.14	29.85	28.91	27.86	26.63	24.93	21.30	18.08
45.0	16.44	16.09	15.74	15.39	15.04	14.81	14.46	14.16	13.99
90.0	16.97	17.79	18.73	19.72	19.78	19.31	18.61	18.02	16.50
135.0	17.50	18.38	19.61	20.89	21.19	20.83	20.01	19.14	18.08
180.0	23.00	23.29	23.23	22.82	22.24	21.54	20.72	18.73	15.86
225.0	15.92	15.63	15.39	15.22	14.98	14.92	14.86	14.86	14.81
270.0	26.69	27.80	28.56	27.74	25.98	23.17	20.31	17.56	15.92
315.0	28.62	29.38	29.61	28.85	26.98	23.41	20.48	17.62	15.16
360.0	30.08	30.14	29.85	28.91	27.86	26.63	24.93	21.30	18.08
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.27	13.81	13.46	13.05	12.11	11.29	10.89	10.59	9.77
45.0	13.81	13.64	13.52	13.40	13.23	12.76	11.35	10.71	10.48
90.0	14.81	13.46	12.99	12.99	12.23	11.29	10.83	10.65	10.01
135.0	15.92	14.34	13.40	13.05	12.35	11.41	10.94	10.71	10.12
180.0	13.17	12.82	12.58	12.11	11.12	10.71	10.53	9.89	9.60
225.0	14.81	14.57	13.93	13.05	11.00	10.42	9.66	9.60	9.89
270.0	14.86	14.98	14.81	14.75	14.05	11.12	10.71	9.66	9.71
315.0	14.51	14.40	14.05	13.34	13.23	11.12	10.42	9.71	9.77
360.0	15.27	13.81	13.46	13.05	12.11	11.29	10.89	10.59	9.77

Intensity data(cd)

C/γ(°)	90.0
0.0	9.54
45.0	9.89
90.0	9.71
135.0	9.71
180.0	9.77
225.0	9.95
270.0	10.01
315.0	9.89
360.0	9.54