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NT

Client:

LumCAT: 2-2686-L

Luminaire: 92.70.411.00

Report No: 2024418-B018

Ballast type: AC

Test No: 2024418-C018

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): 2313.50, Efficiency(%): 84.87% , Luminous Efficacy(lm/W): 119.26

Central intensity(cd): 12096.910, Maximum intensity(cd): 12096.910

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.2

[C90/270]Total=18.2

Field angle(10%Imax): [C0/180]Total=46.4

[C90/270]Total=46.4

Maximum s/h(1/2): C0_180=0.31 C90_270=0.31

Maximum s/h(1/4): C0_180=0.33 C90_270=0.33

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.87%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.834%

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	12096.908	0.000	0	0.00%	0.00%
1.0	11921.209	11.492	11.492	0.42%	0.50%
2.0	11790.338	34.033	45.525	1.25%	1.97%
3.0	11451.712	55.587	101.113	2.04%	4.37%
4.0	10853.393	74.662	175.775	2.74%	7.60%
5.0	10029.615	89.838	265.613	3.30%	11.48%
6.0	9156.533	100.828	366.441	3.70%	15.84%
7.0	8200.275	107.733	474.174	3.95%	20.50%
8.0	7169.109	109.996	584.17	4.04%	25.25%
9.0	6125.579	107.746	691.916	3.95%	29.91%
10.0	5255.057	102.991	794.907	3.78%	34.36%
11.0	4524.404	97.717	892.624	3.58%	38.58%
12.0	3905.528	92.151	984.775	3.38%	42.57%
13.0	3364.561	86.278	1071.053	3.16%	46.30%
14.0	2970.778	81.092	1152.144	2.97%	49.80%
15.0	2736.029	78.346	1230.49	2.87%	53.19%
16.0	2503.563	76.775	1307.265	2.82%	56.51%
17.0	2155.076	72.548	1379.812	2.66%	59.64%
18.0	1960.928	67.864	1447.676	2.49%	62.58%
19.0	1799.040	65.416	1513.092	2.40%	65.40%
20.0	1640.225	62.948	1576.04	2.31%	68.12%
21.0	1485.067	60.012	1636.052	2.20%	70.72%
22.0	1302.667	56.021	1692.073	2.06%	73.14%
23.0	1221.906	52.972	1745.045	1.94%	75.43%
24.0	1150.574	51.871	1796.916	1.90%	77.67%
25.0	1059.806	50.259	1847.175	1.84%	79.84%
26.0	964.290	47.779	1894.954	1.75%	81.91%
27.0	868.737	44.845	1939.8	1.65%	83.85%
28.0	772.731	41.558	1981.358	1.52%	85.64%
29.0	670.448	37.758	2019.116	1.39%	87.28%
30.0	567.705	33.430	2052.546	1.23%	88.72%
31.0	473.484	28.975	2081.52	1.06%	89.97%
32.0	386.285	24.631	2106.152	0.90%	91.04%
33.0	305.122	20.369	2126.521	0.75%	91.92%
34.0	247.748	16.731	2143.252	0.61%	92.64%
35.0	199.233	13.882	2157.134	0.51%	93.24%
36.0	146.343	11.003	2168.137	0.40%	93.72%
37.0	121.529	8.736	2176.874	0.32%	94.09%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	107.718	7.652	2184.526	0.28%	94.43%
39.0	96.760	6.979	2191.505	0.26%	94.73%
40.0	86.694	6.398	2197.903	0.23%	95.00%
41.0	77.250	5.838	2203.741	0.21%	95.26%
42.0	69.108	5.317	2209.059	0.20%	95.49%
43.0	62.290	4.867	2213.926	0.18%	95.70%
44.0	56.386	4.479	2218.405	0.16%	95.89%
45.0	51.310	4.139	2222.544	0.15%	96.07%
46.0	46.635	3.830	2226.374	0.14%	96.23%
47.0	42.699	3.553	2229.927	0.13%	96.39%
48.0	39.664	3.330	2233.257	0.12%	96.53%
49.0	36.898	3.144	2236.401	0.12%	96.67%
50.0	34.250	2.966	2239.367	0.11%	96.80%
51.0	32.012	2.803	2242.171	0.10%	96.92%
52.0	30.293	2.674	2244.844	0.10%	97.03%
53.0	28.742	2.568	2247.412	0.09%	97.14%
54.0	27.323	2.471	2249.884	0.09%	97.25%
55.0	26.079	2.384	2252.267	0.09%	97.35%
56.0	25.135	2.314	2254.582	0.08%	97.45%
57.0	24.323	2.261	2256.843	0.08%	97.55%
58.0	23.636	2.218	2259.061	0.08%	97.65%
59.0	23.043	2.182	2261.243	0.08%	97.74%
60.0	22.590	2.156	2263.399	0.08%	97.83%
61.0	22.173	2.136	2265.535	0.08%	97.93%
62.0	21.741	2.116	2267.651	0.08%	98.02%
63.0	21.200	2.088	2269.739	0.08%	98.11%
64.0	20.571	2.050	2271.789	0.08%	98.20%
65.0	19.912	2.003	2273.793	0.07%	98.28%
66.0	19.159	1.949	2275.742	0.07%	98.37%
67.0	18.310	1.884	2277.626	0.07%	98.45%
68.0	17.630	1.821	2279.447	0.07%	98.53%
69.0	17.176	1.776	2281.222	0.07%	98.60%
70.0	16.993	1.755	2282.977	0.06%	98.68%
71.0	17.074	1.761	2284.738	0.06%	98.76%
72.0	17.286	1.787	2286.525	0.07%	98.83%
73.0	17.652	1.827	2288.352	0.07%	98.91%
74.0	17.944	1.871	2290.223	0.07%	98.99%
75.0	18.120	1.906	2292.128	0.07%	99.08%

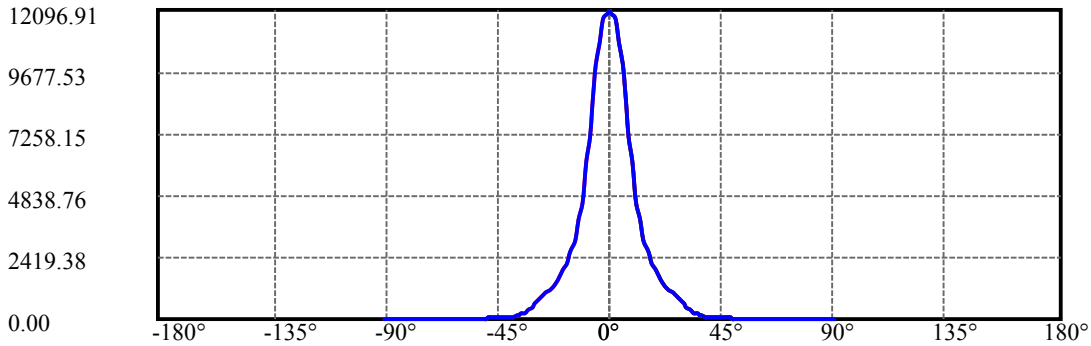
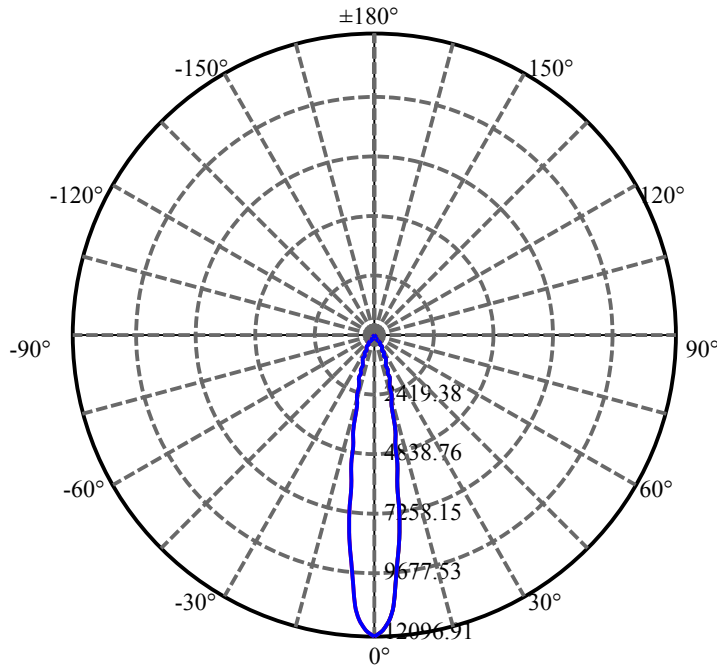
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.930	1.914	2294.042	0.07%	99.16%
77.0	17.549	1.892	2295.934	0.07%	99.24%
78.0	16.950	1.847	2297.781	0.07%	99.32%
79.0	16.094	1.775	2299.556	0.07%	99.40%
80.0	14.879	1.670	2301.226	0.06%	99.47%
81.0	13.416	1.530	2302.756	0.06%	99.54%
82.0	12.085	1.383	2304.139	0.05%	99.60%
83.0	11.566	1.286	2305.424	0.05%	99.65%
84.0	11.273	1.244	2306.669	0.05%	99.70%
85.0	10.958	1.213	2307.882	0.04%	99.76%
86.0	10.578	1.177	2309.059	0.04%	99.81%
87.0	10.271	1.141	2310.2	0.04%	99.86%
88.0	10.073	1.114	2311.315	0.04%	99.91%
89.0	9.934	1.097	2312.411	0.04%	99.95%
90.0	9.890	1.087	2313.498	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2052.55	75.30%	88.72%
0-40	2197.90	80.63%	95.00%
0-60	2263.40	83.03%	97.83%
0-90	2312.41	84.83%	99.95%
0-120	2312.41	84.83%	99.95%
0-180	2313.50	84.87%	100.00%
60-90	49.01	1.80%	2.12%
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%
0-25.08	1850.80	67.89%	80.00%

ZONAL LUMEN SUMMARY

0-10	794.91
10-20	781.13
20-30	476.51
30-40	145.36
40-50	41.46
50-60	24.03
60-70	19.58
70-80	18.25
80-90	11.19
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



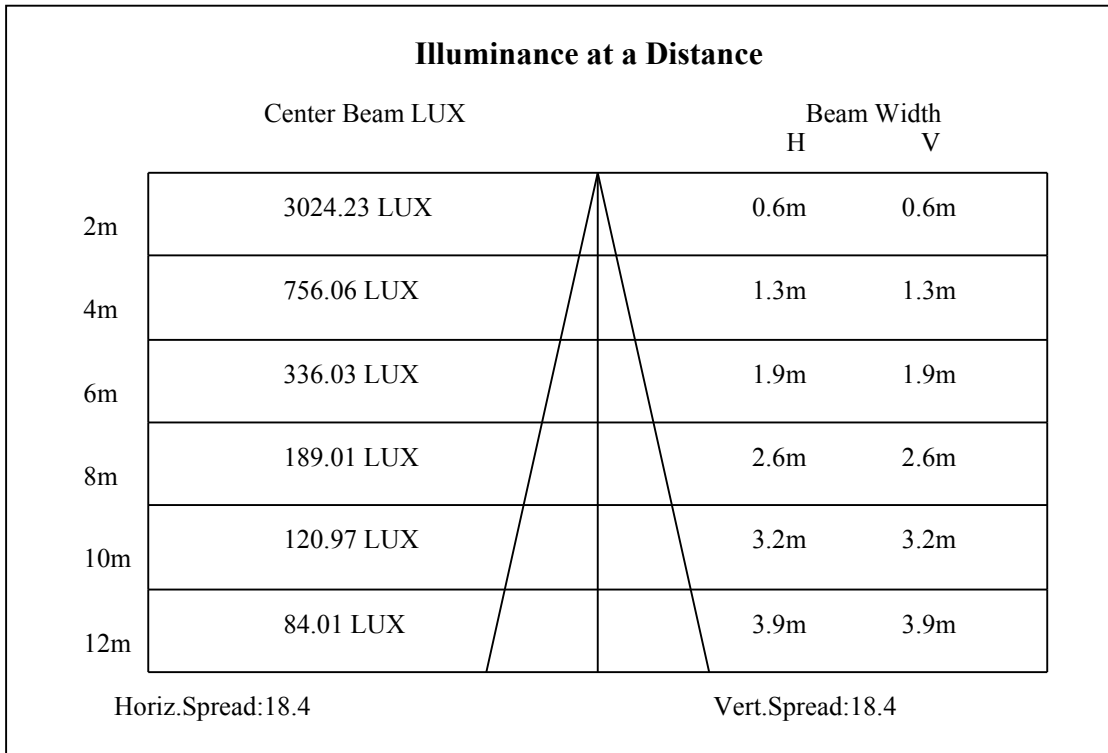
C0(Max): —————

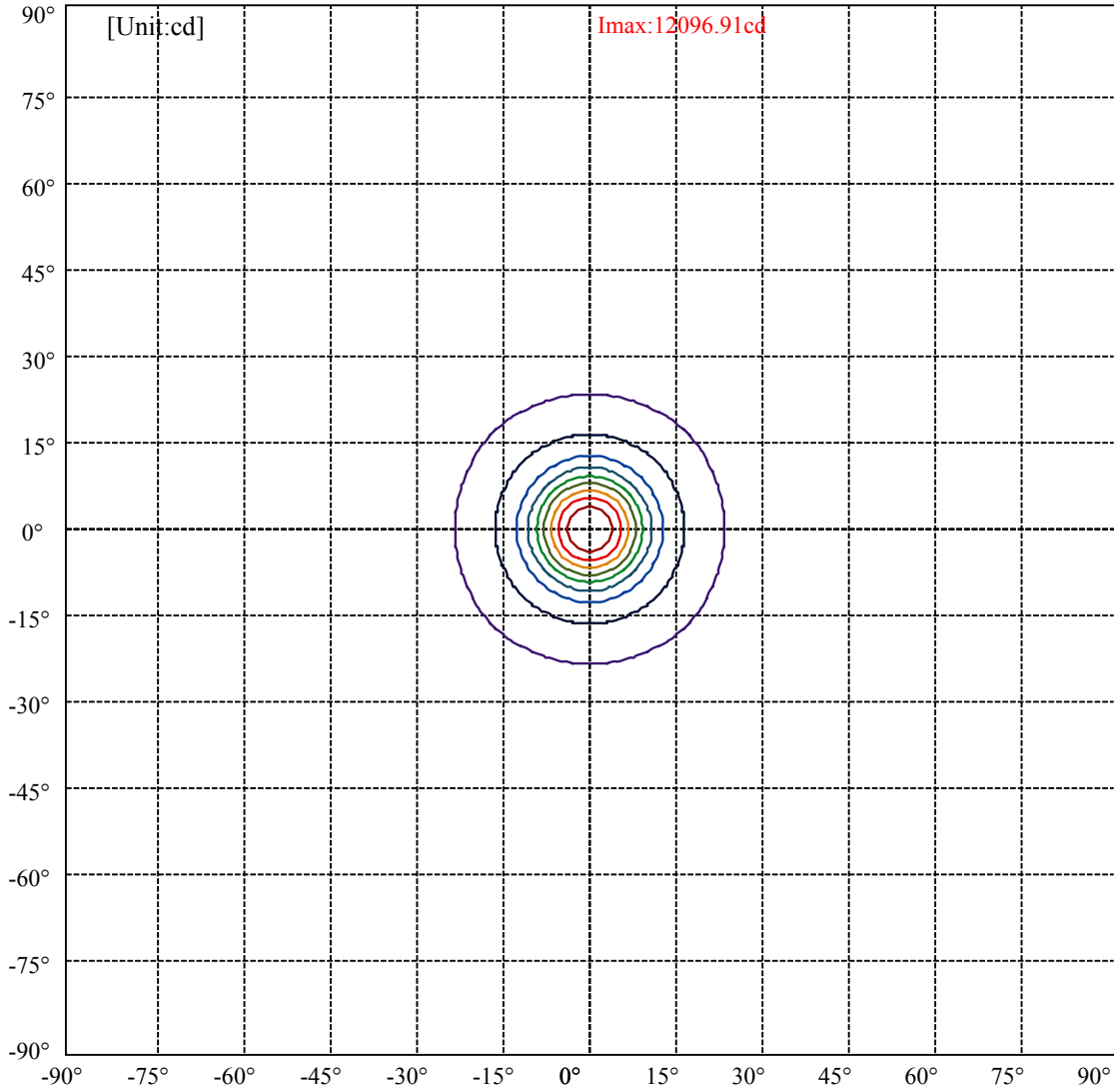
C0/C180: —————

C90/C270: —————

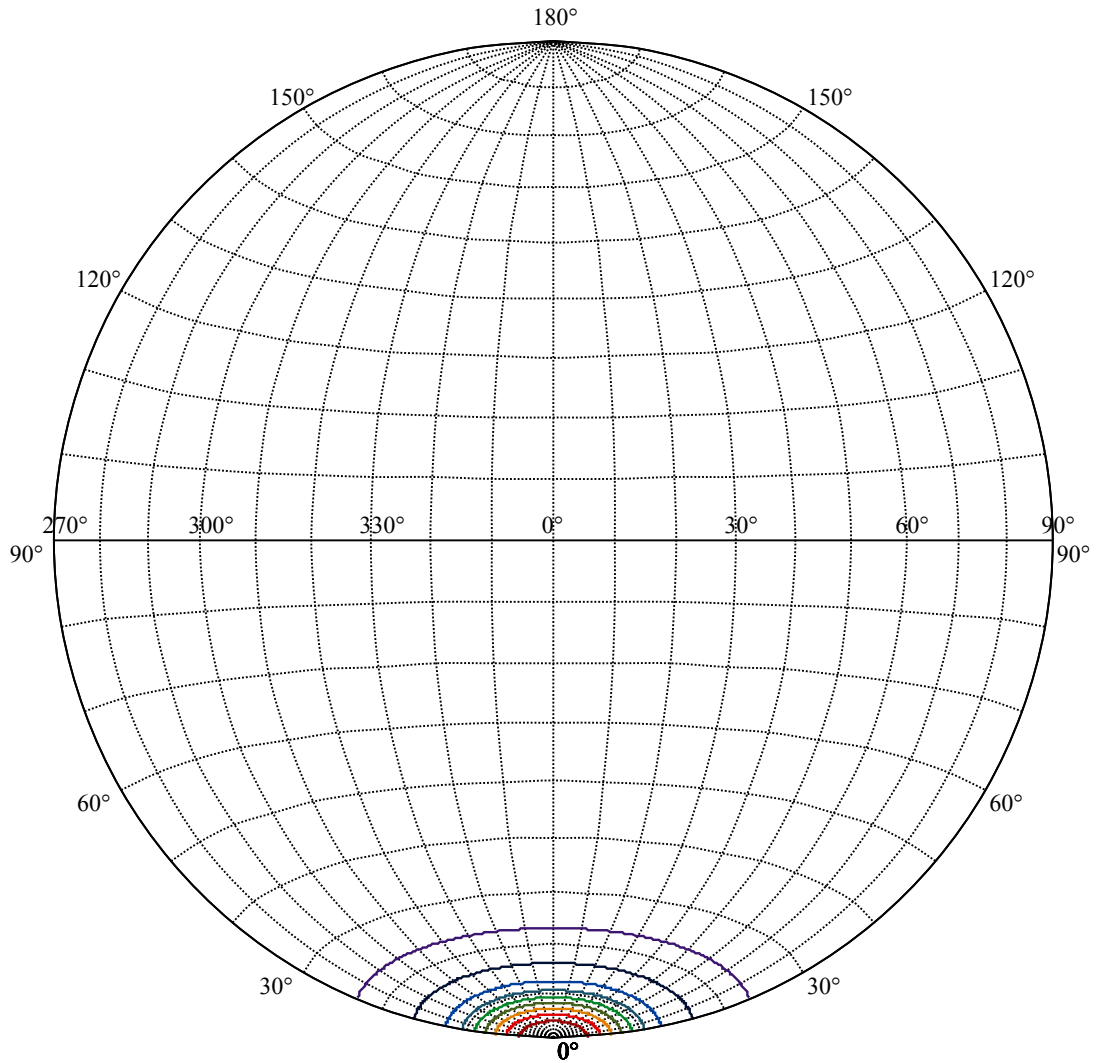
Field angle(10%Imax):C0/180Left:23.2 Right:23.2
:C90/270Left:23.2 Right:23.2

Beam Angle(50%Imax):C0/180Left:9.1 Right:9.1
:C90/270Left:9.1 Right:9.1





(10%Imax) 1209.69	—
(20%Imax) 2419.38	—
(30%Imax) 3629.07	—
(40%Imax) 4838.76	—
(50%Imax) 6048.45	—
(60%Imax) 7258.15	—
(70%Imax) 8467.84	—
(80%Imax) 9677.53	—
(90%Imax) 10887.2	—



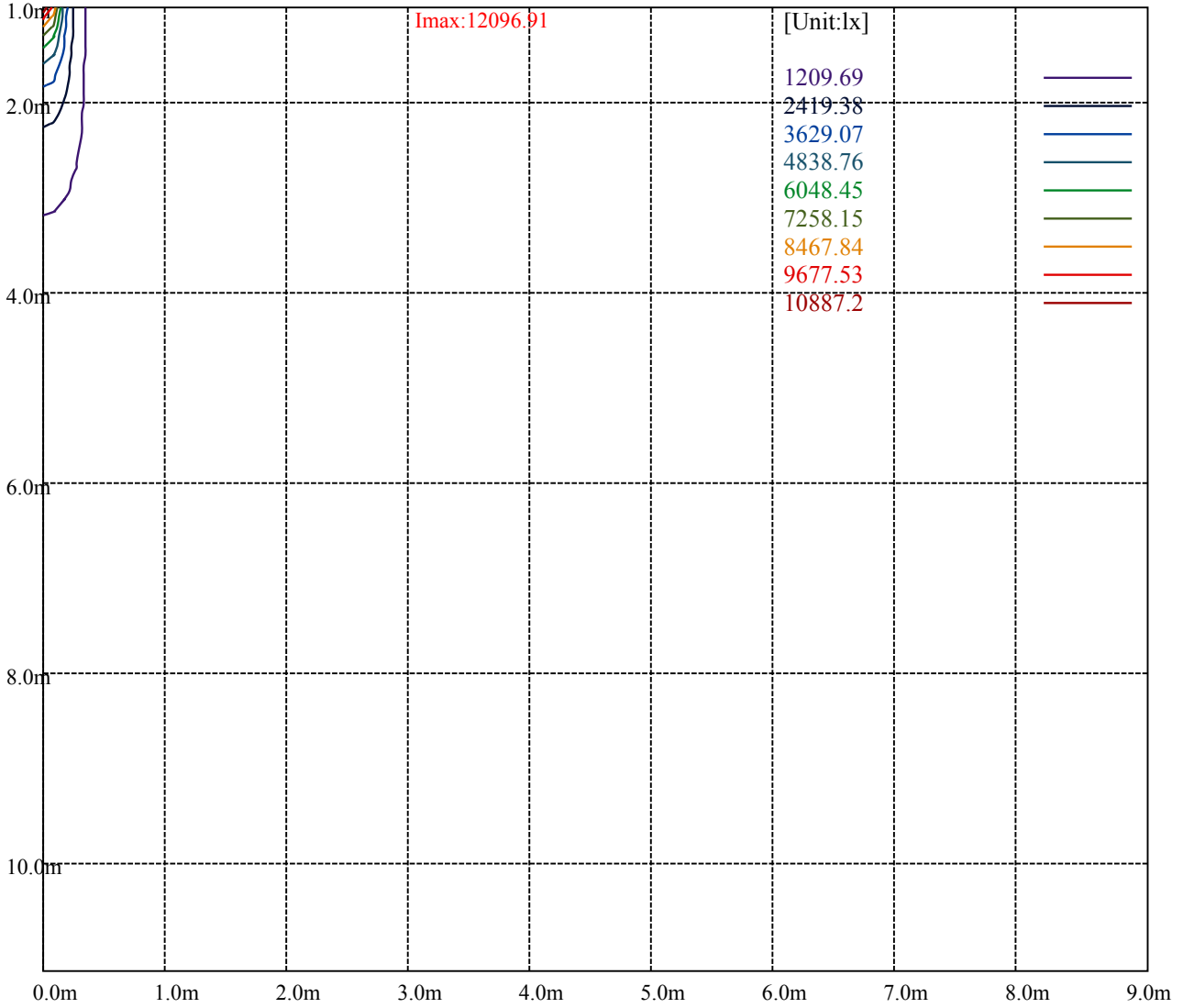
House

[Unit:cd]

Road

I_{max}:12096.91

(10%I _{max})	1209.69	—
(20%I _{max})	2419.38	—
(30%I _{max})	3629.07	—
(40%I _{max})	4838.76	—
(50%I _{max})	6048.45	—
(60%I _{max})	7258.15	—
(70%I _{max})	8467.84	—
(80%I _{max})	9677.53	—
(90%I _{max})	10887.2	—



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

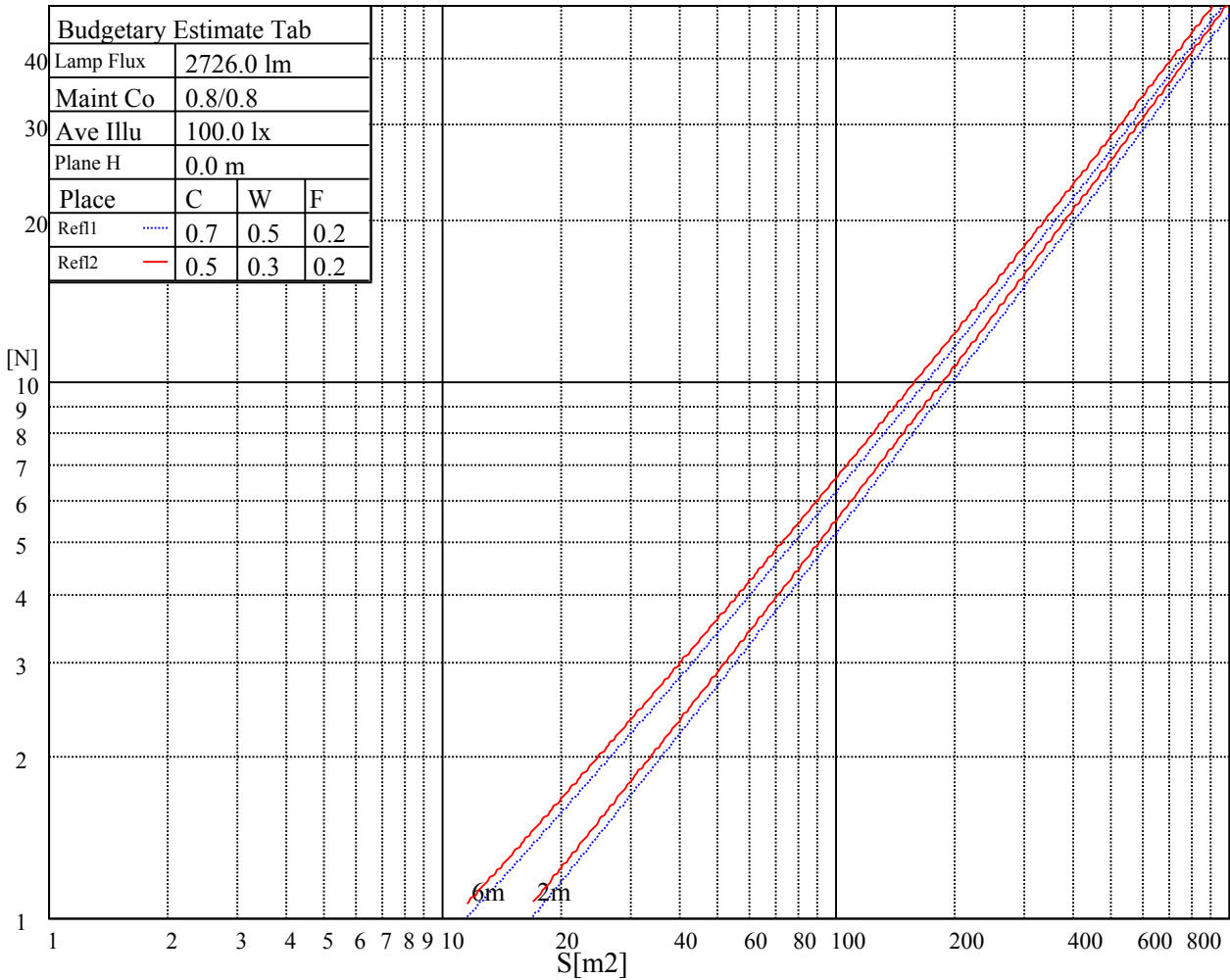
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

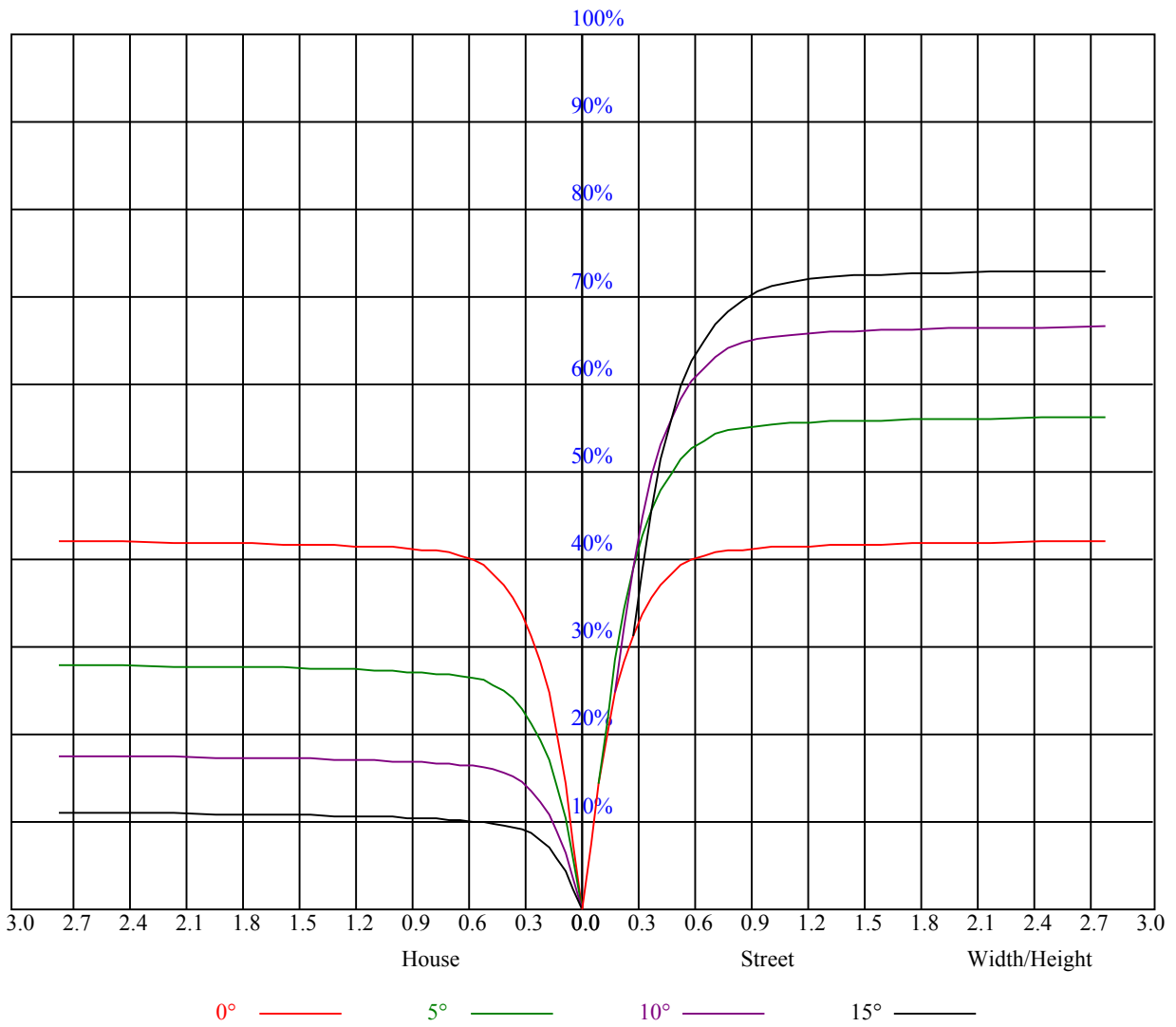


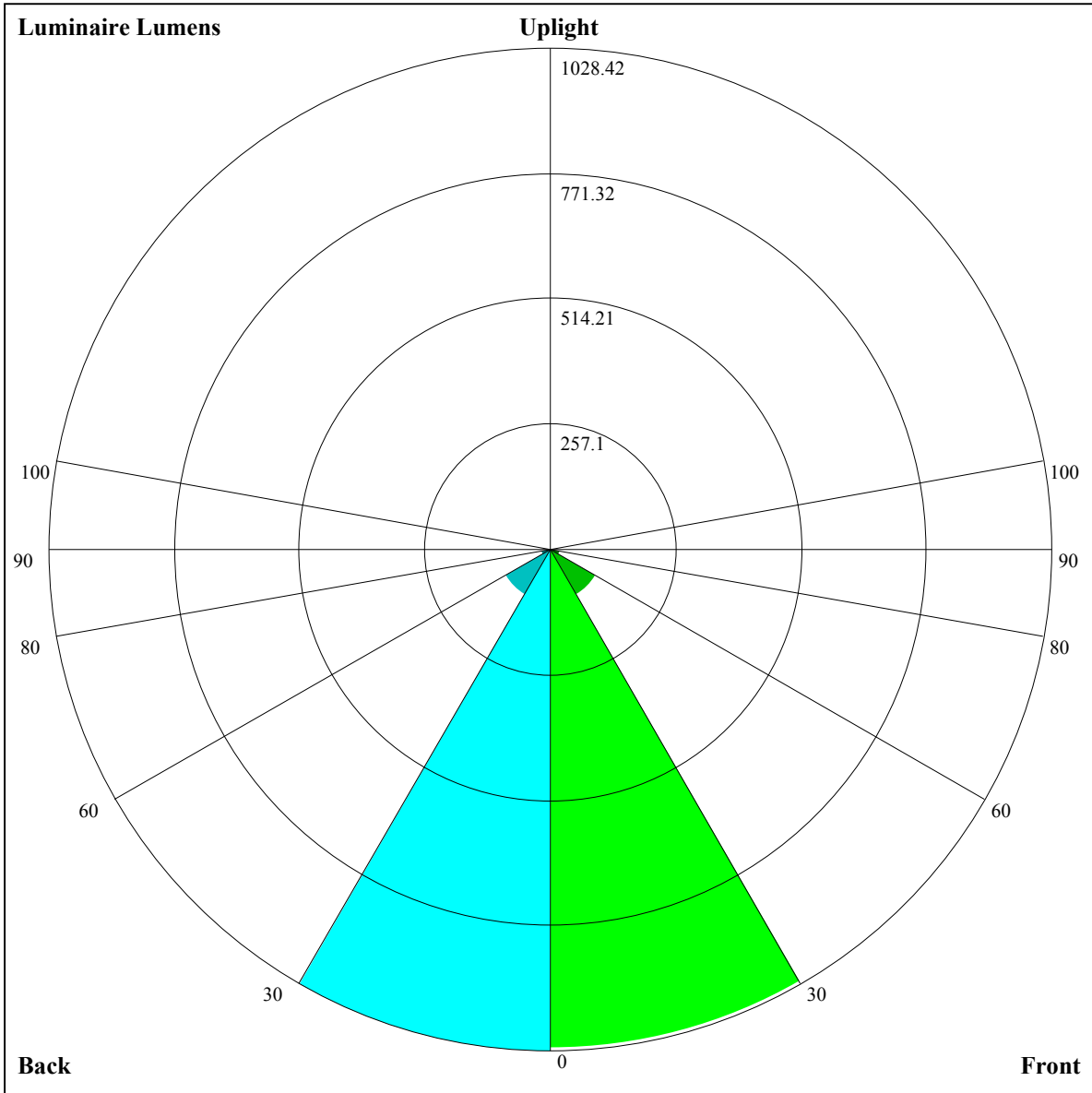
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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





Luminaire Lumens:

FL=1023.97,FM=106.21,FH=19.08,FVH=6.21

BL=1028.42,BM=107.05,BH=18.88,BVH=6.17

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	12240.57	11620.87	11620.87	11384.44	10647.06	9881.00	8777.26	7834.47	6895.18
45.0	11660.08	12263.98	12182.04	11965.51	11473.92	10917.96	10209.84	9361.26	8196.66
90.0	12275.68	11616.19	11616.19	11514.36	10957.23	10061.83	9178.73	8252.32	7281.43
135.0	12211.30	12240.57	12117.67	11825.06	11391.99	10642.90	9882.11	8992.57	7816.27
180.0	12240.57	12187.90	11965.51	11602.67	11093.53	10268.36	9449.04	8524.39	7570.47
225.0	11660.08	11660.08	11418.97	10861.25	10158.39	9099.14	8151.66	7183.70	6018.51
270.0	12275.68	12176.19	11912.84	11520.74	10836.03	10151.31	9314.44	8143.99	7190.07
315.0	12211.30	11603.90	11488.61	10939.67	10269.00	9214.43	8289.19	7309.52	6384.28
360.0	12240.57	11620.87	11620.87	11384.44	10647.06	9881.00	8777.26	7834.47	6895.18
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5768.62	4984.42	4310.24	3763.06	3226.40	2887.56	2600.80	2360.27	2106.28
45.0	7266.15	6119.11	5299.80	4568.27	3836.74	3368.56	2988.16	2988.16	2368.46
90.0	6127.36	5281.13	4546.09	3819.82	3361.01	2909.80	2620.11	2371.98	2167.15
135.0	6885.76	5978.66	5176.90	4468.78	3760.66	3315.88	2953.05	2953.05	2349.74
180.0	6411.73	5551.44	4603.38	3994.75	3509.01	3023.27	3023.27	2675.71	2193.48
225.0	5182.81	4316.68	3770.08	3325.31	2877.02	2592.61	2351.49	2138.47	1918.43
270.0	6060.59	5229.57	4509.74	3912.81	3333.44	2964.75	2964.75	2368.46	2152.52
315.0	5301.61	4579.44	3979.00	3391.44	3012.21	2703.80	2386.61	2172.41	1984.56
360.0	5768.62	4984.42	4310.24	3763.06	3226.40	2887.56	2600.80	2360.27	2106.28
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1934.81	1782.65	1607.09	1473.07	1269.41	1153.60	1133.99	1054.46	944.08
45.0	2157.20	1974.02	1819.52	1646.30	1511.11	1387.63	1277.02	1163.49	1079.80
90.0	1943.01	1788.51	1641.61	1502.92	1163.60	1163.60	1143.65	1065.87	960.06
135.0	2141.98	1962.90	1768.02	1624.64	1456.10	1330.27	1229.62	1131.30	1052.88
180.0	2002.70	1836.49	1690.19	1514.62	1375.34	1254.20	1167.00	1072.78	994.94
225.0	1758.07	1612.94	1478.34	1268.24	1149.03	1128.49	1052.29	948.24	857.41
270.0	1964.66	1797.87	1616.45	1480.68	1349.59	1210.30	1131.88	1056.97	952.80
315.0	1784.99	1636.93	1500.58	1370.07	1147.16	1147.16	1069.15	985.34	872.34
360.0	1934.81	1782.65	1607.09	1473.07	1269.41	1153.60	1133.99	1054.46	944.08
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	849.45	753.71	659.67	545.02	455.77	370.10	290.68	206.64	158.19
45.0	971.53	878.48	782.50	663.12	573.58	484.04	398.01	300.28	300.28
90.0	869.23	753.89	662.36	575.16	466.66	382.39	304.02	220.51	171.12
135.0	964.51	871.46	752.66	657.85	567.73	478.77	371.68	311.40	311.40
180.0	906.57	812.35	692.96	602.26	487.55	403.86	320.18	300.86	218.93
225.0	743.12	651.53	561.64	453.43	369.22	291.73	224.67	161.11	132.38
270.0	866.19	776.07	661.95	569.48	478.19	389.23	306.13	306.13	164.33
315.0	779.29	684.36	589.85	475.32	389.17	290.15	225.60	175.04	137.24
360.0	849.45	753.71	659.67	545.02	455.77	370.10	290.68	206.64	158.19
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	132.73	115.82	104.58	94.86	83.92	75.85	67.07	61.16	56.06
45.0	221.74	140.28	123.78	110.55	99.49	87.26	78.89	71.34	63.15
90.0	142.50	126.29	110.55	99.78	89.89	80.88	71.22	64.43	58.70
135.0	161.64	137.12	122.55	107.45	97.03	85.21	76.96	69.41	62.91
180.0	138.99	122.08	106.69	96.33	86.79	77.89	68.18	61.57	55.83
225.0	116.93	104.93	92.17	82.98	74.50	65.19	58.99	53.72	48.05
270.0	134.43	115.82	104.05	93.93	82.28	73.80	66.31	58.52	53.20
315.0	121.79	109.91	97.38	88.19	79.65	71.92	65.25	58.17	53.20
360.0	132.73	115.82	104.58	94.86	83.92	75.85	67.07	61.16	56.06

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	51.38	46.41	42.96	39.91	37.22	34.29	32.30	30.49	28.97
45.0	57.76	52.79	47.58	44.01	40.73	37.22	34.76	32.66	30.84
90.0	52.26	47.87	43.25	39.97	37.16	34.65	32.01	30.20	28.62
135.0	57.29	51.09	46.94	43.31	40.03	36.46	34.06	32.07	30.02
180.0	49.86	45.88	41.73	38.92	36.40	34.29	31.95	30.37	28.91
225.0	44.30	40.91	37.40	35.05	32.95	31.13	29.09	27.74	26.51
270.0	48.69	43.83	40.61	37.75	35.29	32.71	30.90	29.32	27.92
315.0	48.92	44.30	41.14	38.39	35.41	33.24	31.02	29.50	28.15
360.0	51.38	46.41	42.96	39.91	37.22	34.29	32.30	30.49	28.97
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.33	26.28	25.16	24.40	23.82	23.12	22.65	22.30	21.83
45.0	28.79	27.39	26.22	25.22	24.23	23.58	22.94	22.47	22.00
90.0	27.27	25.87	24.99	24.23	23.58	22.94	22.47	22.06	21.59
135.0	28.68	27.21	26.22	25.40	24.46	23.88	23.41	22.94	22.59
180.0	27.68	26.34	25.34	24.58	23.88	23.23	22.82	22.36	21.95
225.0	25.46	24.40	23.64	22.88	22.41	22.06	21.65	21.24	20.83
270.0	26.39	25.40	24.58	23.64	23.06	22.47	22.12	21.77	21.36
315.0	26.98	25.75	24.93	24.23	23.64	23.06	22.65	22.24	21.77
360.0	27.33	26.28	25.16	24.40	23.82	23.12	22.65	22.30	21.83
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.13	20.54	19.84	19.14	18.20	17.56	17.73	18.49	19.37
45.0	21.54	21.01	20.42	19.78	18.84	18.08	17.38	16.74	16.09
90.0	21.19	20.42	19.78	19.08	18.32	17.67	17.56	17.73	18.14
135.0	22.00	21.54	21.01	20.19	19.37	18.67	17.85	17.38	17.21
180.0	21.54	20.83	20.13	19.43	18.43	17.73	17.15	17.26	18.08
225.0	20.13	19.43	18.79	17.97	17.09	16.50	15.98	15.51	15.04
270.0	20.95	20.37	19.78	18.90	18.14	17.44	16.85	16.33	16.09
315.0	21.13	20.42	19.55	18.79	18.08	17.38	16.91	16.50	16.56
360.0	21.13	20.54	19.84	19.14	18.20	17.56	17.73	18.49	19.37
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.96	20.19	20.07	19.72	19.14	18.49	17.91	17.21	16.09
45.0	15.63	15.16	14.69	14.40	14.05	13.69	13.40	13.05	12.76
90.0	18.90	19.66	20.31	20.83	20.72	20.19	18.96	17.38	14.57
135.0	17.38	18.14	19.31	20.60	21.07	20.89	20.37	19.14	17.79
180.0	18.32	18.38	18.20	17.73	17.15	16.62	15.80	15.16	14.05
225.0	14.63	14.34	13.93	13.64	13.23	12.93	12.64	12.41	12.06
270.0	16.27	17.09	17.79	18.32	18.55	18.43	18.14	17.38	16.15
315.0	17.21	18.26	19.25	19.72	19.55	19.14	18.38	17.03	15.57
360.0	19.96	20.19	20.07	19.72	19.14	18.49	17.91	17.21	16.09
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.28	12.00	11.41	11.12	10.94	10.65	10.24	10.07	9.83
45.0	12.52	12.17	11.88	11.65	11.47	11.29	10.53	10.24	10.07
90.0	12.82	12.06	11.76	11.59	10.89	10.48	10.30	10.12	9.95
135.0	15.80	12.99	11.88	11.47	11.06	10.65	10.42	10.24	10.12
180.0	12.58	11.76	11.41	11.12	10.83	10.42	10.24	10.07	9.89
225.0	11.82	11.53	11.29	10.89	10.48	10.24	10.07	9.83	9.89
270.0	14.40	12.29	11.53	11.24	11.12	10.53	10.24	10.12	9.83
315.0	13.11	11.88	11.35	11.12	10.89	10.36	10.12	9.89	9.89
360.0	14.28	12.00	11.41	11.12	10.94	10.65	10.24	10.07	9.83

Intensity data(cd)

C/ γ ($^{\circ}$)	90.0
0.0	9.83
45.0	9.83
90.0	9.83
135.0	9.83
180.0	9.95
225.0	9.95
270.0	9.95
315.0	9.95
360.0	9.83