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NT

Client:

LumCAT: 2-2687-L

Luminaire: 92.70.411.00

Report No: 2024418-B020

Ballast type: AC

Test No: 2024418-C020

Voltage(V): 33.700

LampCAT: NICHIA NFCWJ120B-V3

Current(A): 0.576

Lamp flux(lm): 2726.0

Power (W): 19.411

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2276.18, Efficiency(%): 83.50% , Luminous Efficacy(lm/W): 117.26

Central intensity(cd): 8896.210, Maximum intensity(cd): 8896.210

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=22.2

[C90/270]Total=22.2

Field angle(10%Imax): [C0/180]Total=55.0

[C90/270]Total=55.0

Maximum s/h(1/2): C0_180=0.37 C90_270=0.37

Maximum s/h(1/4): C0_180=0.42 C90_270=0.42

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.50%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.641%

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	8896.210	0.000	0	0.00%	0.00%
1.0	8834.542	8.484	8.484	0.31%	0.37%
2.0	8668.119	25.121	33.605	0.92%	1.48%
3.0	8372.507	40.756	74.361	1.50%	3.27%
4.0	7985.234	54.755	129.115	2.01%	5.67%
5.0	7462.848	66.457	195.572	2.44%	8.59%
6.0	6987.206	75.939	271.511	2.79%	11.93%
7.0	6499.494	83.712	355.223	3.07%	15.61%
8.0	5939.653	89.025	444.248	3.27%	19.52%
9.0	5446.821	92.281	536.529	3.39%	23.57%
10.0	4936.212	93.963	630.491	3.45%	27.70%
11.0	4503.365	94.321	724.812	3.46%	31.84%
12.0	4066.714	93.683	818.495	3.44%	35.96%
13.0	3652.594	91.609	910.104	3.36%	39.98%
14.0	3313.017	89.159	999.263	3.27%	43.90%
15.0	2987.340	86.494	1085.757	3.17%	47.70%
16.0	2717.258	83.588	1169.346	3.07%	51.37%
17.0	2442.129	80.346	1249.691	2.95%	54.90%
18.0	2233.131	77.085	1326.776	2.83%	58.29%
19.0	2037.739	74.304	1401.081	2.73%	61.55%
20.0	1877.095	71.652	1472.733	2.63%	64.70%
21.0	1719.230	69.057	1541.79	2.53%	67.74%
22.0	1542.858	65.553	1607.343	2.40%	70.62%
23.0	1400.619	61.762	1669.105	2.27%	73.33%
24.0	1246.522	57.876	1726.981	2.12%	75.87%
25.0	1177.904	55.126	1782.107	2.02%	78.29%
26.0	1064.393	52.930	1835.037	1.94%	80.62%
27.0	944.604	49.151	1884.187	1.80%	82.78%
28.0	828.957	44.903	1929.09	1.65%	84.75%
29.0	704.128	40.110	1969.2	1.47%	86.51%
30.0	587.880	34.884	2004.084	1.28%	88.05%
31.0	485.759	29.878	2033.962	1.10%	89.36%
32.0	393.556	25.191	2059.153	0.92%	90.47%
33.0	310.147	20.731	2079.884	0.76%	91.38%
34.0	253.871	17.069	2096.953	0.63%	92.13%
35.0	215.238	14.569	2111.522	0.53%	92.77%
36.0	150.995	11.661	2123.183	0.43%	93.28%
37.0	127.425	9.081	2132.263	0.33%	93.68%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	113.051	8.027	2140.29	0.29%	94.03%
39.0	100.732	7.297	2147.587	0.27%	94.35%
40.0	90.688	6.676	2154.263	0.24%	94.64%
41.0	80.637	6.101	2160.364	0.22%	94.91%
42.0	72.685	5.570	2165.934	0.20%	95.16%
43.0	65.275	5.110	2171.045	0.19%	95.38%
44.0	59.320	4.703	2175.747	0.17%	95.59%
45.0	53.899	4.351	2180.099	0.16%	95.78%
46.0	48.939	4.022	2184.12	0.15%	95.96%
47.0	44.879	3.731	2187.852	0.14%	96.12%
48.0	41.266	3.482	2191.334	0.13%	96.27%
49.0	38.347	3.269	2194.604	0.12%	96.42%
50.0	35.435	3.076	2197.68	0.11%	96.55%
51.0	33.116	2.900	2200.58	0.11%	96.68%
52.0	31.141	2.757	2203.337	0.10%	96.80%
53.0	29.605	2.642	2205.98	0.10%	96.92%
54.0	28.164	2.546	2208.526	0.09%	97.03%
55.0	26.847	2.456	2210.982	0.09%	97.14%
56.0	25.918	2.384	2213.366	0.09%	97.24%
57.0	25.106	2.333	2215.699	0.09%	97.34%
58.0	24.397	2.289	2217.988	0.08%	97.44%
59.0	23.899	2.258	2220.246	0.08%	97.54%
60.0	23.570	2.243	2222.489	0.08%	97.64%
61.0	23.299	2.237	2224.725	0.08%	97.74%
62.0	22.882	2.225	2226.951	0.08%	97.84%
63.0	22.399	2.202	2229.153	0.08%	97.93%
64.0	21.602	2.159	2231.312	0.08%	98.03%
65.0	20.717	2.094	2233.406	0.08%	98.12%
66.0	19.905	2.027	2235.433	0.07%	98.21%
67.0	19.203	1.966	2237.4	0.07%	98.30%
68.0	18.874	1.929	2239.328	0.07%	98.38%
69.0	18.874	1.926	2241.254	0.07%	98.47%
70.0	18.976	1.944	2243.198	0.07%	98.55%
71.0	19.561	1.992	2245.19	0.07%	98.64%
72.0	20.088	2.062	2247.251	0.08%	98.73%
73.0	20.673	2.131	2249.383	0.08%	98.82%
74.0	21.075	2.195	2251.578	0.08%	98.92%
75.0	21.097	2.228	2253.806	0.08%	99.02%

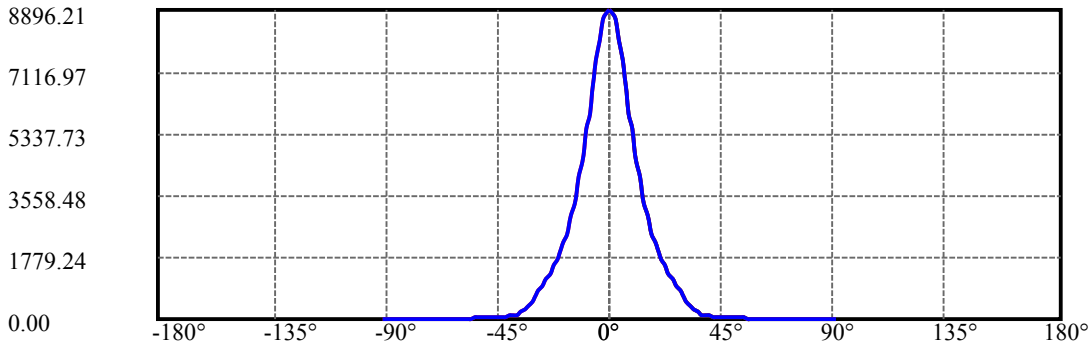
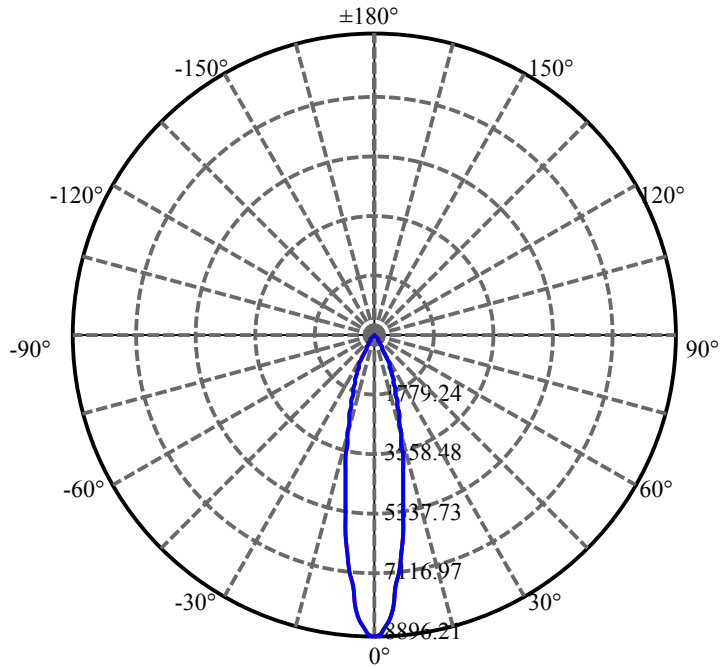
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.461	2.206	2256.012	0.08%	99.11%
77.0	19.583	2.135	2258.147	0.08%	99.21%
78.0	18.383	2.032	2260.179	0.07%	99.30%
79.0	16.876	1.894	2262.074	0.07%	99.38%
80.0	14.938	1.715	2263.789	0.06%	99.46%
81.0	13.168	1.520	2265.309	0.06%	99.52%
82.0	12.312	1.382	2266.691	0.05%	99.58%
83.0	11.982	1.321	2268.011	0.05%	99.64%
84.0	11.756	1.293	2269.305	0.05%	99.70%
85.0	11.258	1.256	2270.561	0.05%	99.75%
86.0	10.702	1.200	2271.761	0.04%	99.81%
87.0	10.227	1.145	2272.906	0.04%	99.86%
88.0	10.044	1.110	2274.017	0.04%	99.90%
89.0	9.832	1.089	2275.106	0.04%	99.95%
90.0	9.817	1.077	2276.184	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2004.08	73.52%	88.05%
0-40	2154.26	79.03%	94.64%
0-60	2222.49	81.53%	97.64%
0-90	2275.11	83.46%	99.95%
0-120	2275.11	83.46%	99.95%
0-180	2276.18	83.50%	100.00%
60-90	52.62	1.93%	2.31%
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%
0-25.73	1820.95	66.80%	80.00%

ZONAL LUMEN SUMMARY

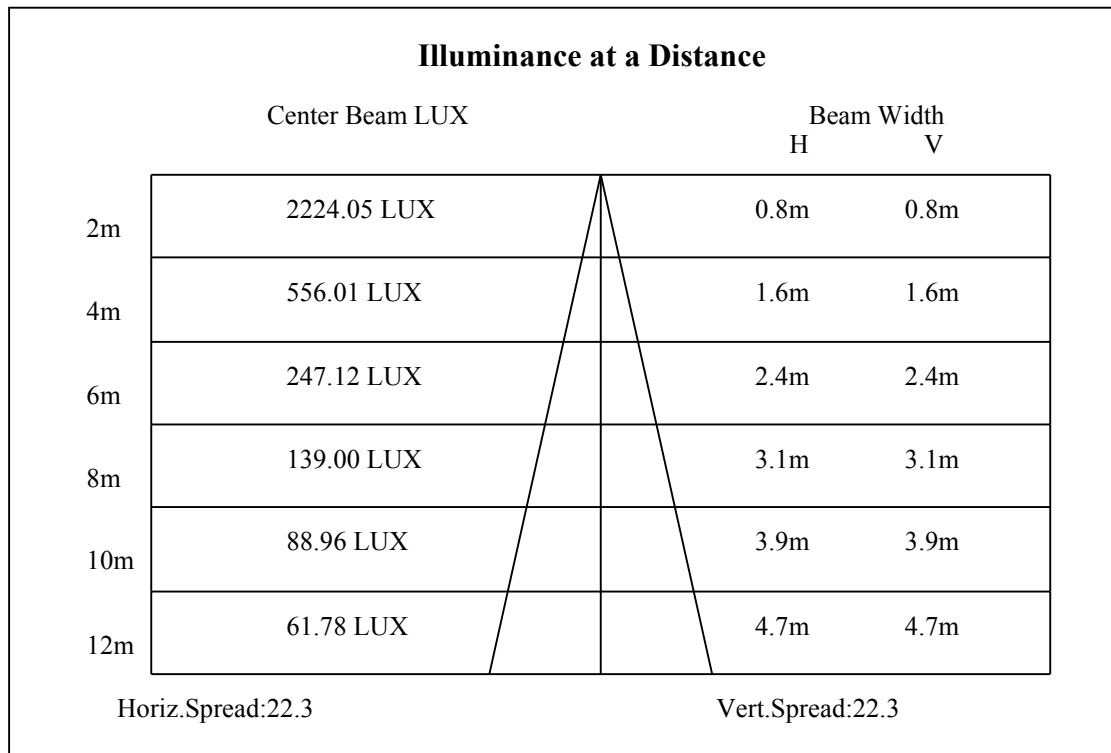
0-10	630.49
10-20	842.24
20-30	531.35
30-40	150.18
40-50	43.42
50-60	24.81
60-70	20.71
70-80	20.59
80-90	11.32
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

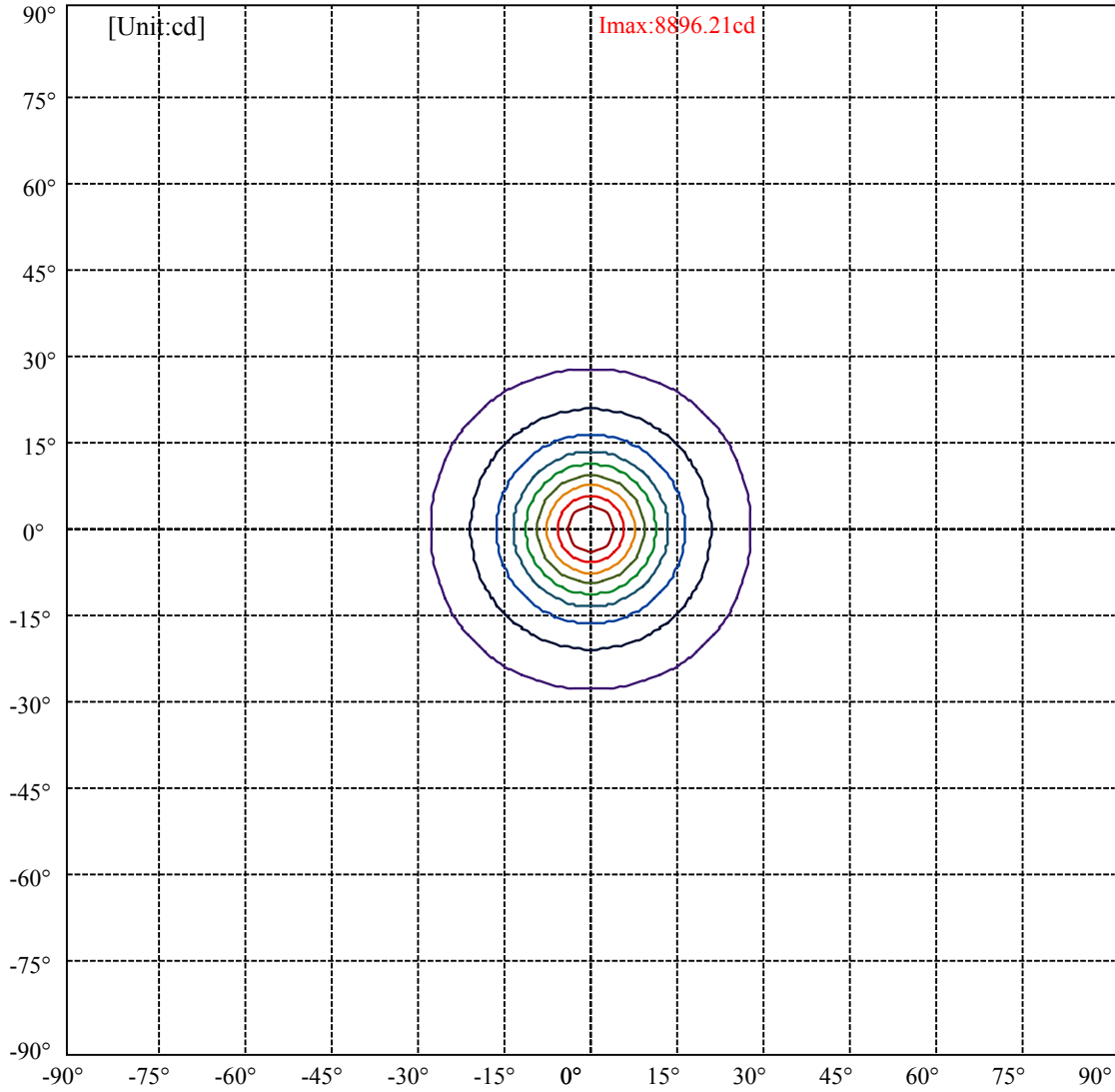


C0(Max): —————
C0/C180: —————
C90/C270: —————

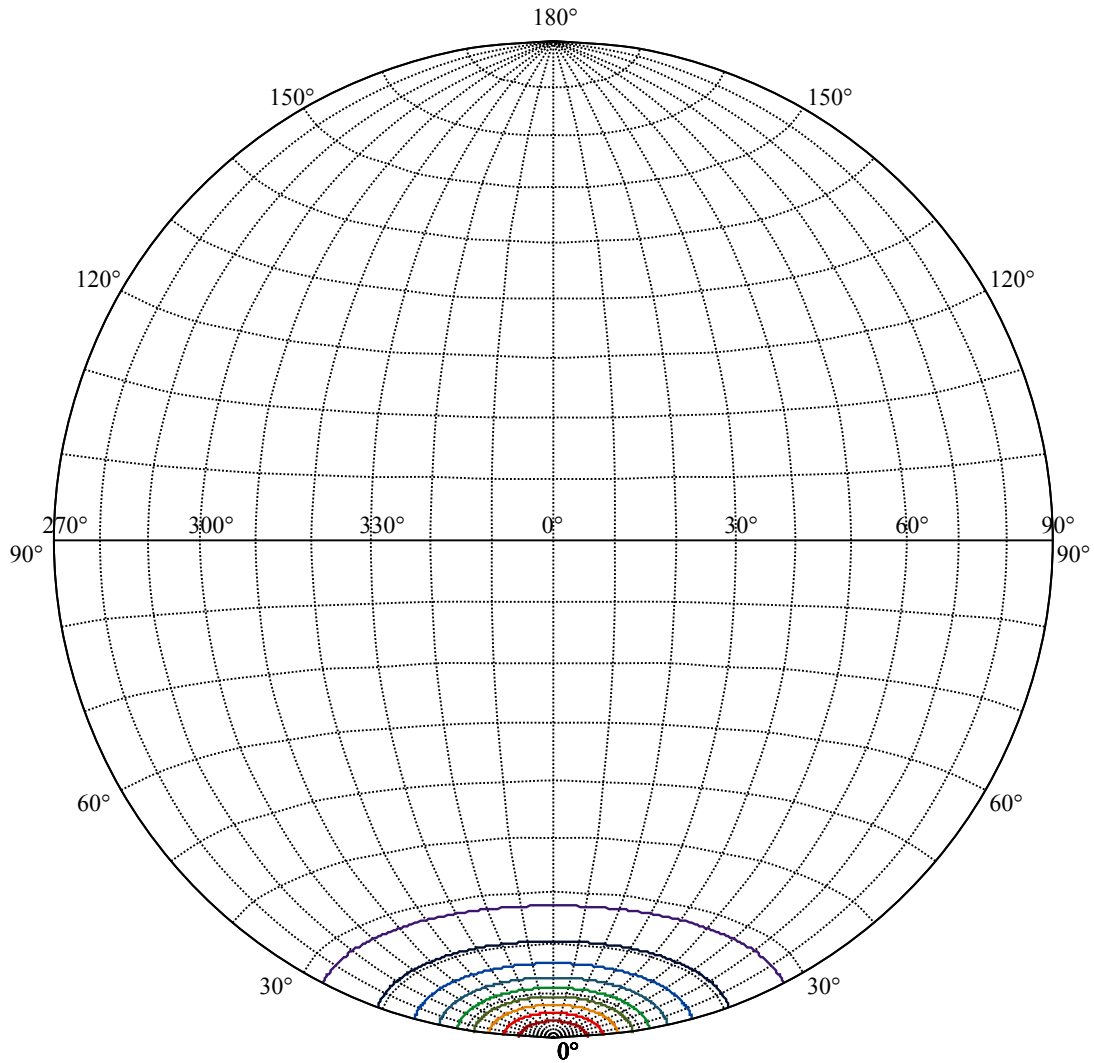
Field angle(10%Imax):C0/180Left:27.5 Right:27.5
:C90/270Left:27.5 Right:27.5

Beam Angle(50%Imax):C0/180Left:11.1 Right:11.1
:C90/270Left:11.1 Right:11.1





(10%Imax) 889.621	—
(20%Imax) 1779.24	—
(30%Imax) 2668.86	—
(40%Imax) 3558.48	—
(50%Imax) 4448.1	—
(60%Imax) 5337.73	—
(70%Imax) 6227.35	—
(80%Imax) 7116.97	—
(90%Imax) 8006.59	—



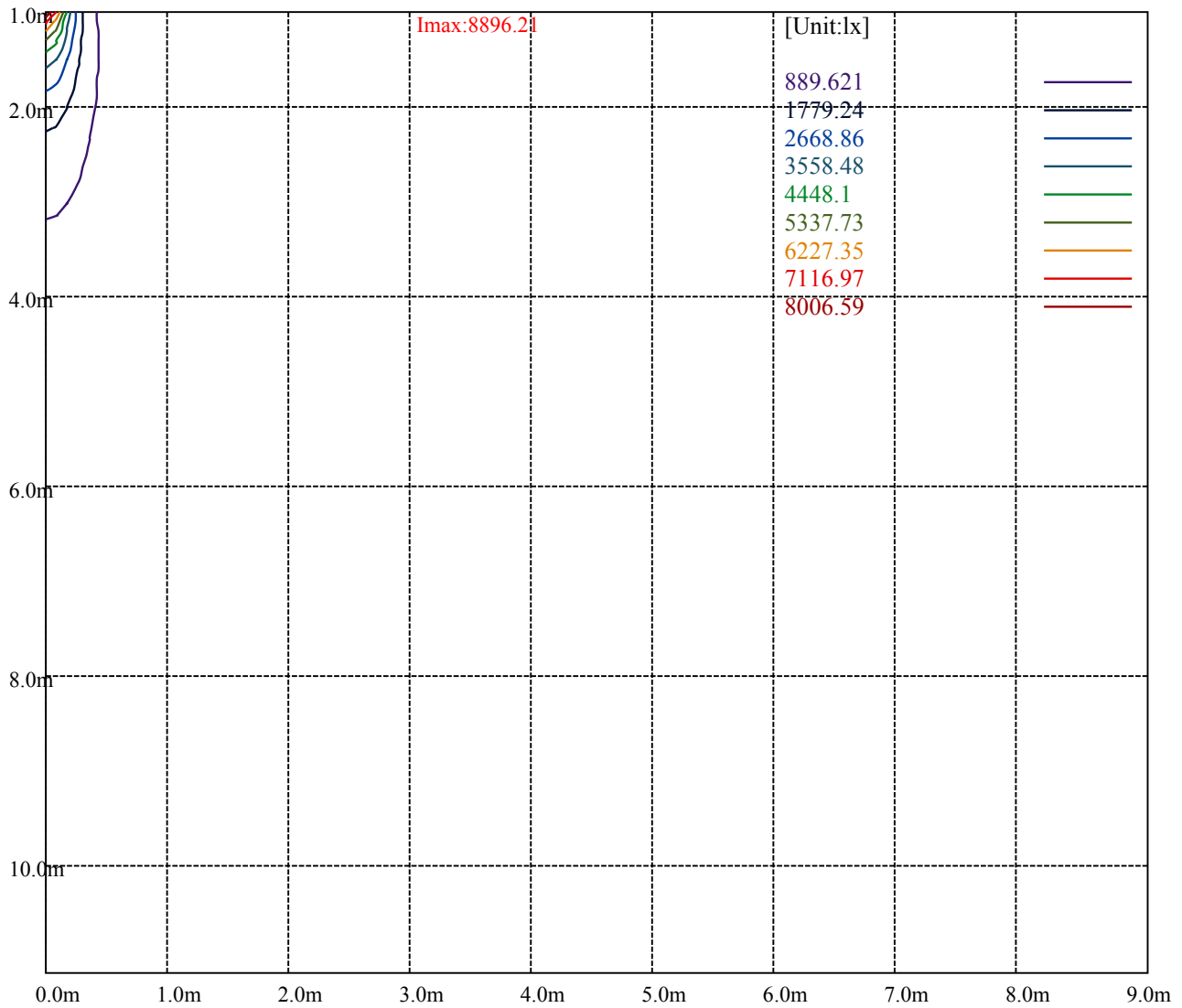
House

[Unit:cd]

Road

Imax:8896.21

(10%Imax)	889.621	—
(20%Imax)	1779.24	—
(30%Imax)	2668.86	—
(40%Imax)	3558.48	—
(50%Imax)	4448.1	—
(60%Imax)	5337.73	—
(70%Imax)	6227.35	—
(80%Imax)	7116.97	—
(90%Imax)	8006.59	—



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

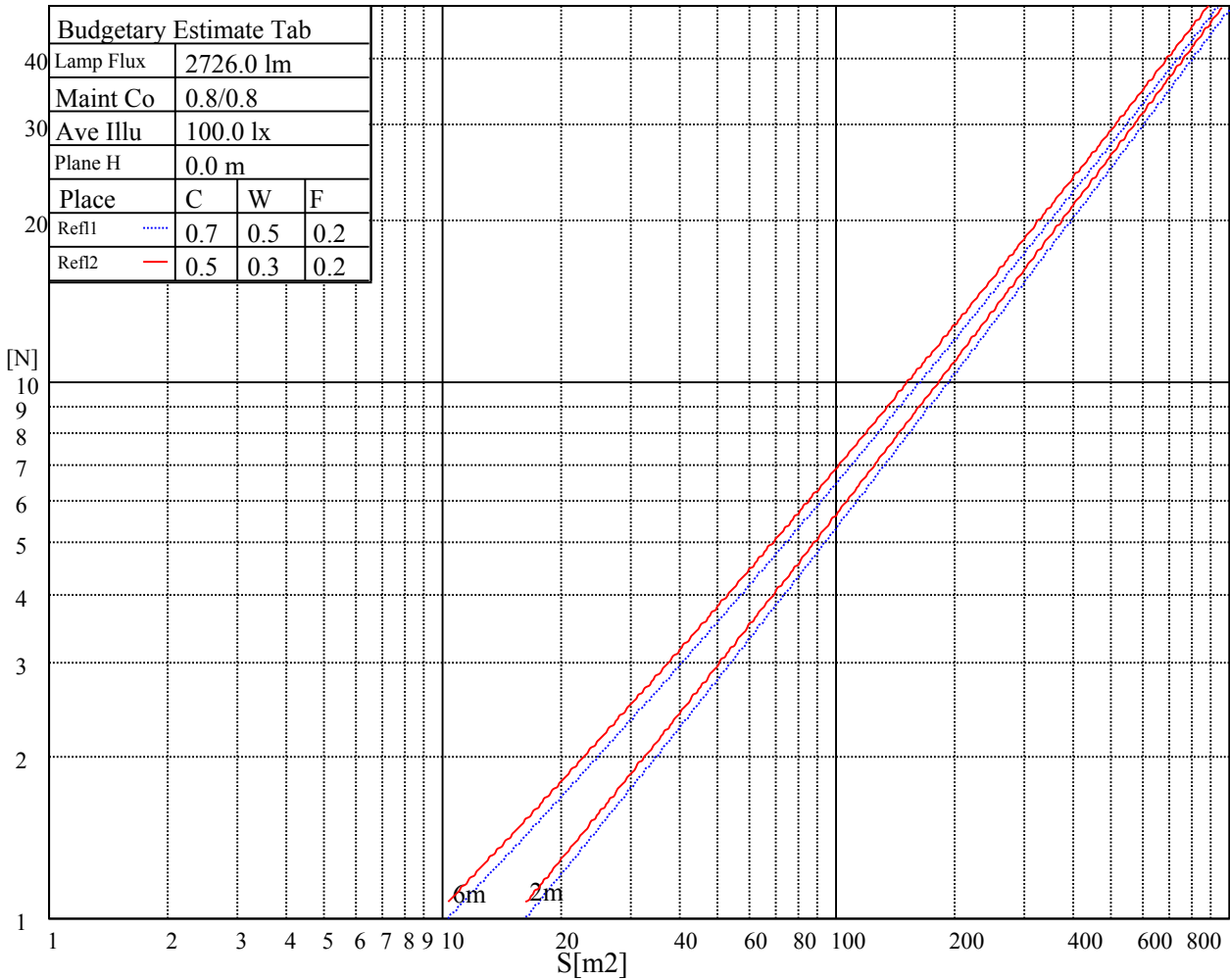
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

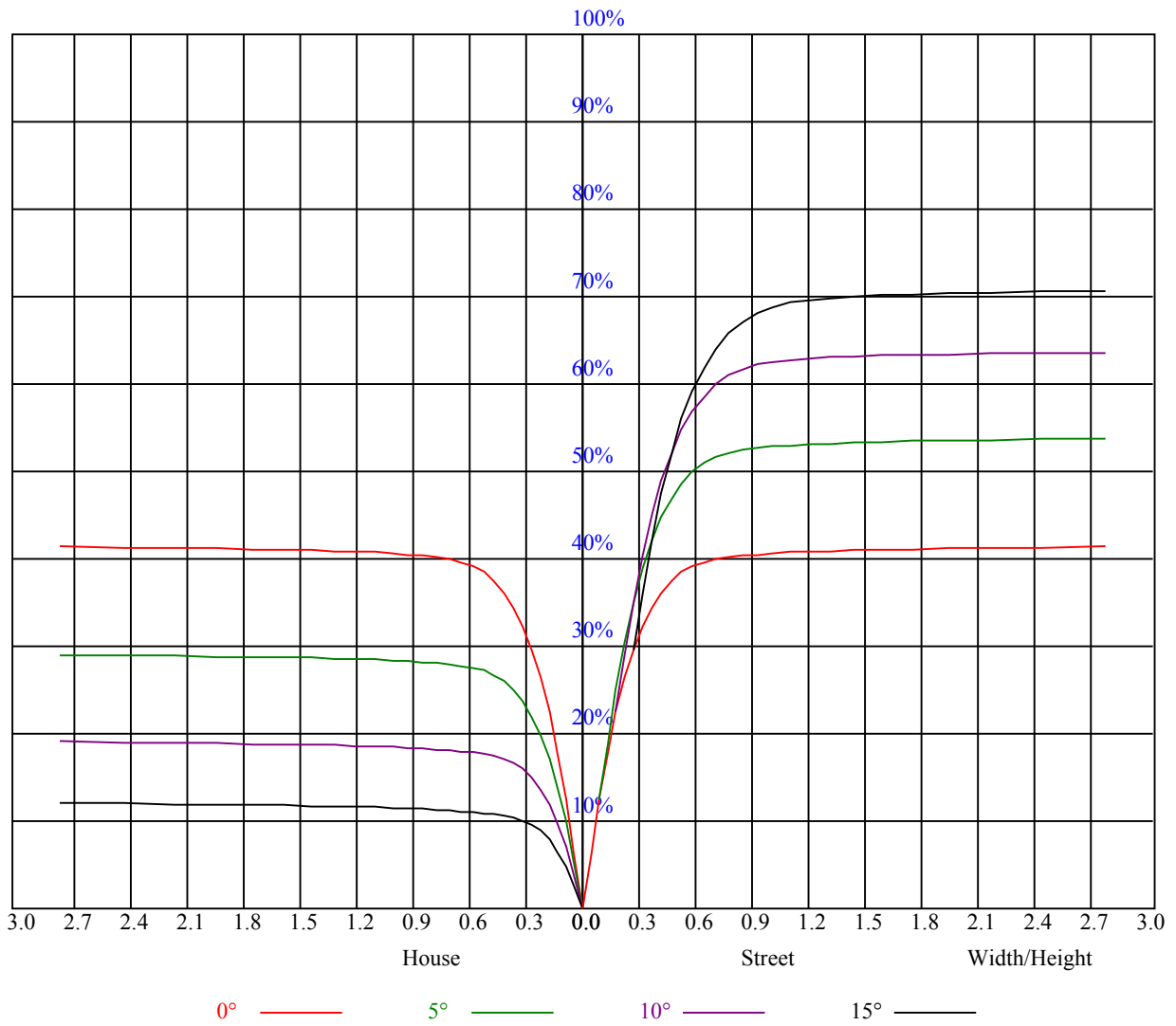


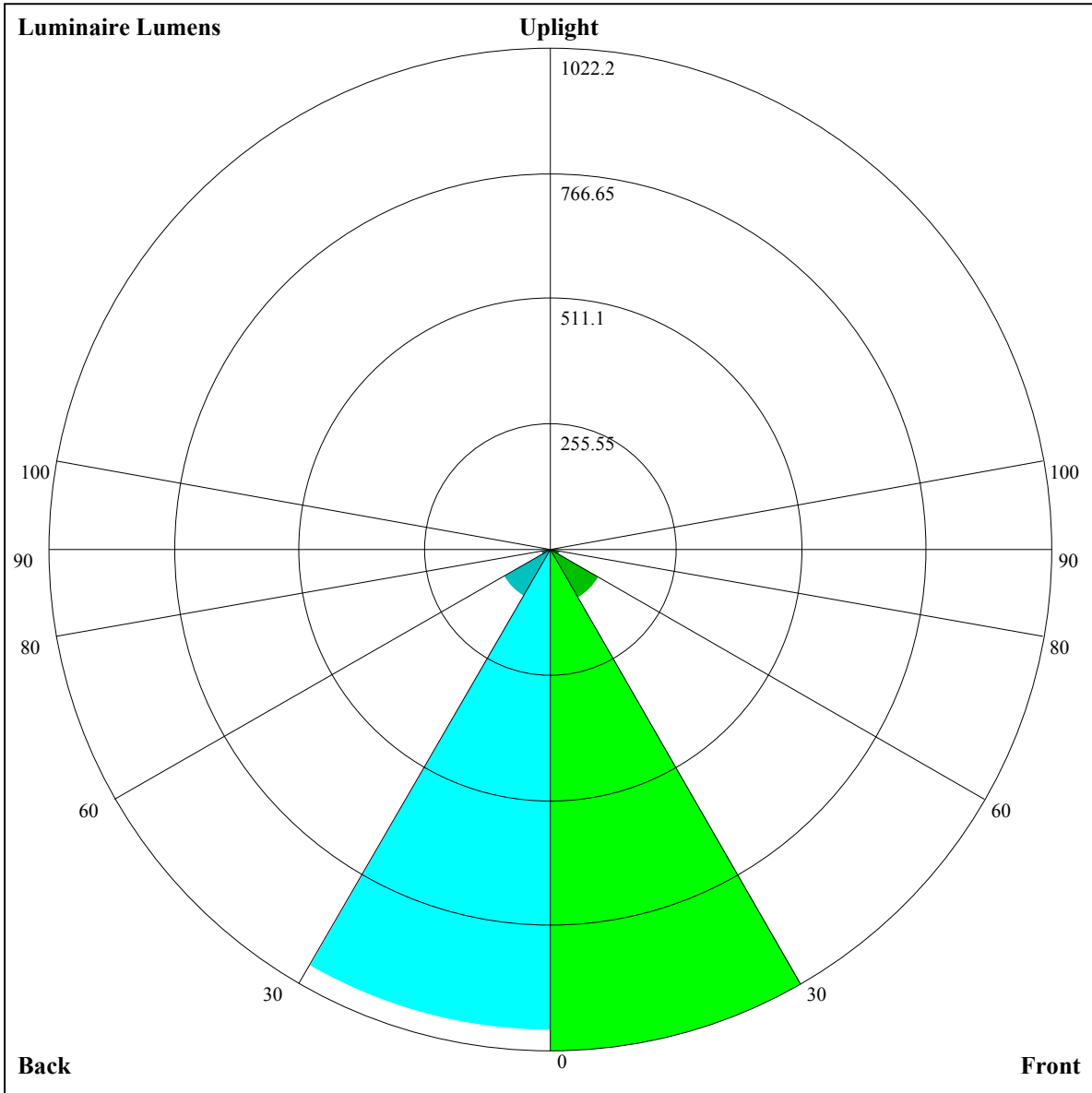
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.83
1	0.93	0.91	0.90	0.91	0.90	0.88	0.88	0.87	0.85	0.85	0.84	0.83	0.82	0.81	0.81	0.79
2	0.88	0.85	0.82	0.86	0.84	0.82	0.84	0.82	0.80	0.81	0.80	0.78	0.79	0.78	0.77	0.75
3	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.76	0.75	0.73	0.72
4	0.79	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.71	0.75	0.73	0.71	0.74	0.72	0.70	0.69
5	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.70	0.68	0.72	0.70	0.67	0.71	0.69	0.67	0.66
6	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
7	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.64	0.62	0.61
8	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.64	0.62	0.59	0.59
9	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.62	0.59	0.57	0.57
10	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.60	0.58	0.56	0.55





Luminaire Lumens:

FL=1022.2,FM=114.6,FH=20.36,FVH=6.28

BL=980.45,BM=108.95,BH=21.11,BVH=6.26

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	8942.88	8901.33	8744.49	8501.62	8151.66	7608.57	7133.37	6652.31	6163.65
45.0	8827.01	8913.62	8874.41	8724.59	8378.14	7997.16	7562.34	7094.74	6481.43
90.0	8890.80	8759.71	8536.15	8203.16	7788.82	7213.54	6726.63	6236.80	5644.55
135.0	8924.15	8900.75	8747.42	8438.42	8069.14	7511.42	7027.44	6538.19	5934.24
180.0	8942.88	8861.54	8671.92	8302.06	7914.06	7344.63	6865.33	6364.38	5762.18
225.0	8827.01	8630.96	8364.09	7914.06	7457.58	6857.73	6362.62	5870.45	5397.59
270.0	8890.80	8879.68	8777.26	8559.56	8169.80	7770.68	7313.03	6833.15	6219.24
315.0	8924.15	8828.76	8629.20	8336.59	7952.68	7399.06	6906.88	6405.93	5914.34
360.0	8942.88	8901.33	8744.49	8501.62	8151.66	7608.57	7133.37	6652.31	6163.65
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5555.60	5098.54	4645.57	4132.33	3754.28	3409.58	3032.69	2758.22	2467.37
45.0	5996.27	5533.36	5069.86	4532.04	4123.55	3753.11	3334.09	3037.96	2703.21
90.0	5175.79	4621.00	4213.68	3837.96	3409.58	3105.85	2838.40	2595.53	2333.35
135.0	5460.79	5008.41	4578.86	4170.96	3702.19	3367.44	3061.96	2727.79	2479.21
180.0	5292.25	4829.92	4404.46	4007.68	3563.49	3243.38	2954.86	2697.36	2415.28
225.0	4937.02	4400.37	4007.68	3643.08	3304.82	2937.89	2679.22	2450.98	2192.90
270.0	5735.85	5151.79	4690.64	4279.81	3792.90	3441.77	3116.97	2845.42	2530.57
315.0	5421.00	4846.31	4416.17	3929.84	3569.93	3245.13	2880.54	2624.79	2397.14
360.0	5555.60	5098.54	4645.57	4132.33	3754.28	3409.58	3032.69	2758.22	2467.37
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2262.54	2078.19	1916.09	1762.76	1578.41	1446.15	1152.25	1152.25	1095.72
45.0	2474.39	2274.83	2091.07	1889.75	1741.69	1597.72	1435.62	1325.59	1217.91
90.0	2147.25	1983.39	1834.15	1687.85	1511.69	1392.31	1148.27	1148.27	1035.44
135.0	2294.73	2074.68	1916.09	1773.88	1596.55	1467.22	1326.18	1223.18	1113.74
180.0	2217.48	1992.16	1838.25	1694.28	1514.62	1384.12	1276.43	1147.68	1032.98
225.0	2013.82	1817.18	1666.78	1528.67	1303.35	1166.18	1166.18	1058.50	918.45
270.0	2308.77	2112.14	1940.08	1749.30	1602.99	1460.19	1315.06	1215.57	1086.24
315.0	2146.08	1969.34	1814.26	1667.36	1493.55	1291.06	1152.19	1152.19	1014.66
360.0	2262.54	2078.19	1916.09	1762.76	1578.41	1446.15	1152.25	1152.25	1095.72
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	981.95	861.45	722.52	618.93	495.92	404.16	318.71	230.87	177.79
45.0	1100.28	978.55	826.98	714.62	586.45	490.48	401.52	301.45	301.45
90.0	887.38	769.22	661.71	535.95	441.67	355.64	278.98	201.08	159.88
135.0	991.43	872.63	728.08	621.57	523.25	430.78	326.61	307.89	307.89
180.0	918.28	802.99	695.31	565.97	472.34	383.38	303.21	303.21	169.95
225.0	805.04	696.59	595.00	474.38	384.38	302.97	233.27	169.66	142.50
270.0	971.53	861.51	750.32	619.23	523.25	431.37	344.76	305.55	305.55
315.0	900.95	788.71	653.11	552.39	458.82	349.67	274.12	211.27	156.90
360.0	981.95	861.45	722.52	618.93	495.92	404.16	318.71	230.87	177.79
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	148.12	131.21	117.28	102.53	92.35	83.34	75.08	66.42	60.51
45.0	222.03	147.65	131.50	117.86	105.98	93.11	84.16	76.31	69.41
90.0	139.28	125.18	109.73	98.96	89.48	79.06	71.87	65.43	58.52
135.0	151.46	133.43	116.11	104.46	94.28	83.04	75.55	68.82	62.68
180.0	139.23	124.54	111.49	97.97	88.19	79.30	69.82	63.26	57.53
225.0	123.13	110.37	99.43	87.08	78.07	70.40	63.73	56.83	51.91
270.0	150.11	126.76	113.12	101.48	91.06	79.42	71.34	63.09	57.47
315.0	134.60	120.26	105.75	95.51	86.09	77.43	69.93	62.03	56.53
360.0	148.12	131.21	117.28	102.53	92.35	83.34	75.08	66.42	60.51

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	54.02	49.51	45.47	41.26	38.33	35.76	33.07	31.19	29.55
45.0	61.86	56.59	51.91	46.88	43.19	39.27	36.58	34.24	32.30
90.0	53.61	49.28	44.54	41.32	38.51	35.99	33.36	31.54	29.96
135.0	57.41	51.56	47.46	43.83	40.56	37.04	34.70	32.36	30.78
180.0	52.49	47.11	43.48	40.26	37.40	34.41	32.42	30.26	28.79
225.0	47.52	43.66	39.62	36.87	34.47	31.89	30.14	28.27	26.98
270.0	52.49	47.29	43.60	40.56	37.75	34.82	32.83	31.08	29.55
315.0	51.79	46.53	42.96	39.15	36.58	34.29	31.84	30.20	28.91
360.0	54.02	49.51	45.47	41.26	38.33	35.76	33.07	31.19	29.55
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.21	26.74	25.81	25.05	24.46	23.76	23.47	23.23	22.82
45.0	30.08	28.68	27.45	26.45	25.40	24.76	24.23	23.94	23.53
90.0	28.62	27.15	26.34	25.28	24.76	24.29	23.99	23.70	23.17
135.0	29.44	28.03	27.04	26.28	25.28	24.87	24.40	24.05	23.58
180.0	27.56	26.22	25.34	24.64	23.94	23.53	23.35	23.06	22.65
225.0	25.93	24.81	24.11	23.53	23.06	22.77	22.53	22.12	21.83
270.0	27.86	26.80	25.81	24.87	24.17	23.58	23.23	23.06	22.77
315.0	27.62	26.34	25.46	24.76	24.11	23.64	23.35	23.23	22.71
360.0	28.21	26.74	25.81	25.05	24.46	23.76	23.47	23.23	22.82
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.41	21.59	20.60	19.72	18.73	18.79	19.25	19.84	20.66
45.0	23.12	22.53	21.65	20.66	19.49	18.61	17.91	17.09	16.56
90.0	22.53	21.54	20.72	20.25	19.96	20.31	20.89	21.71	23.00
135.0	23.12	22.53	21.59	20.72	20.01	19.61	20.07	20.60	22.00
180.0	22.12	21.30	20.42	20.19	20.31	20.89	21.95	22.82	24.11
225.0	21.24	19.96	19.14	17.97	17.26	16.68	15.98	15.63	15.27
270.0	22.36	21.95	21.13	20.07	19.08	18.14	17.50	16.97	17.21
315.0	22.30	21.42	20.48	19.66	18.79	17.97	17.44	17.15	17.67
360.0	22.41	21.59	20.60	19.72	18.73	18.79	19.25	19.84	20.66
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	21.07	21.13	20.89	20.42	19.72	19.02	18.08	17.32	15.68
45.0	16.09	15.68	15.27	14.98	14.69	14.34	13.93	13.64	13.40
90.0	24.05	25.57	26.45	26.39	24.64	22.65	19.72	17.21	14.46
135.0	23.41	24.87	26.34	27.21	27.15	25.93	23.76	20.19	17.38
180.0	24.64	24.93	24.81	24.29	23.53	22.65	21.54	19.37	15.51
225.0	14.92	14.63	14.34	14.05	13.69	13.40	13.05	12.76	12.41
270.0	17.73	18.61	19.55	20.25	19.90	19.02	18.38	17.32	15.63
315.0	18.79	19.96	20.95	21.19	20.37	19.66	18.61	17.21	15.04
360.0	21.07	21.13	20.89	20.42	19.72	19.02	18.08	17.32	15.68
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.93	12.00	11.59	11.29	11.06	10.71	10.30	10.07	10.07
45.0	13.05	12.76	12.52	12.35	12.23	11.94	10.53	10.18	10.01
90.0	12.99	12.70	12.58	12.52	11.06	10.59	10.12	10.01	9.71
135.0	14.86	12.99	12.35	12.11	11.70	10.65	10.24	10.01	9.77
180.0	12.76	12.00	11.59	11.29	10.77	10.36	10.12	10.18	9.77
225.0	12.23	12.00	11.82	11.53	10.53	10.18	10.01	9.83	9.77
270.0	13.81	12.11	11.88	11.70	11.65	10.71	10.36	10.07	9.83
315.0	12.70	11.94	11.53	11.24	11.06	10.48	10.12	10.01	9.71
360.0	12.93	12.00	11.59	11.29	11.06	10.71	10.30	10.07	10.07

Intensity data(cd)

C/γ(°)	90.0
0.0	9.77
45.0	9.77
90.0	9.95
135.0	9.89
180.0	9.83
225.0	9.83
270.0	9.77
315.0	9.71
360.0	9.77