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NT

Client:

LumCAT: 2-2683-L

Luminaire: 92.70.411.00

Report No: 2024418-B013

Ballast type: AC

Test No: 2024418-C013

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): 2355.41, Efficiency(%): 86.41% , Luminous Efficacy(lm/W): 121.42

Central intensity(cd): 7861.386, Maximum intensity(cd): 7861.386

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=25.2

[C90/270]Total=25.2

Field angle(10%Imax): [C0/180]Total=58.4

[C90/270]Total=58.4

Maximum s/h(1/2): C0\_180=0.42 C90\_270=0.42

Maximum s/h(1/4): C0\_180=0.45 C90\_270=0.45

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 86.41%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.007%

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	7861.386	0.000	0	0.00%	0.00%
1.0	7824.151	7.505	7.505	0.28%	0.32%
2.0	7738.708	22.337	29.843	0.82%	1.27%
3.0	7603.887	36.694	66.537	1.35%	2.82%
4.0	7386.183	50.177	116.714	1.84%	4.96%
5.0	7099.423	62.316	179.03	2.29%	7.60%
6.0	6774.184	72.909	251.939	2.67%	10.70%
7.0	6406.151	81.810	333.749	3.00%	14.17%
8.0	5960.648	88.507	422.256	3.25%	17.93%
9.0	5510.098	92.964	515.22	3.41%	21.87%
10.0	5044.259	95.513	610.734	3.50%	25.93%
11.0	4614.192	96.508	707.241	3.54%	30.03%
12.0	4186.612	96.205	803.447	3.53%	34.11%
13.0	3747.327	94.156	897.603	3.45%	38.11%
14.0	3375.197	91.168	988.77	3.34%	41.98%
15.0	3044.180	88.128	1076.898	3.23%	45.72%
16.0	2733.791	84.663	1161.562	3.11%	49.31%
17.0	2444.836	80.645	1242.207	2.96%	52.74%
18.0	2205.772	76.678	1318.885	2.81%	55.99%
19.0	2015.720	73.445	1392.331	2.69%	59.11%
20.0	1837.592	70.526	1462.857	2.59%	62.11%
21.0	1684.263	67.627	1530.484	2.48%	64.98%
22.0	1544.028	64.874	1595.358	2.38%	67.73%
23.0	1398.051	61.733	1657.09	2.26%	70.35%
24.0	1265.132	58.227	1715.317	2.14%	72.82%
25.0	1205.856	56.185	1771.502	2.06%	75.21%
26.0	1105.132	54.551	1826.053	2.00%	77.53%
27.0	1008.379	51.708	1877.761	1.90%	79.72%
28.0	907.684	48.511	1926.271	1.78%	81.78%
29.0	803.594	44.772	1971.043	1.64%	83.68%
30.0	698.824	40.565	2011.608	1.49%	85.40%
31.0	599.987	36.144	2047.752	1.33%	86.94%
32.0	509.651	31.790	2079.542	1.17%	88.29%
33.0	424.698	27.526	2107.068	1.01%	89.46%
34.0	353.790	23.559	2130.628	0.86%	90.46%
35.0	300.667	20.325	2150.953	0.75%	91.32%
36.0	268.179	18.112	2169.065	0.66%	92.09%
37.0	245.970	16.769	2185.833	0.62%	92.80%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	182.663	14.307	2200.141	0.52%	93.41%
39.0	156.687	11.583	2211.724	0.42%	93.90%
40.0	132.524	10.087	2221.81	0.37%	94.33%
41.0	112.912	8.740	2230.55	0.32%	94.70%
42.0	95.757	7.581	2238.131	0.28%	95.02%
43.0	82.400	6.599	2244.731	0.24%	95.30%
44.0	71.712	5.817	2250.548	0.21%	95.55%
45.0	63.087	5.180	2255.728	0.19%	95.77%
46.0	56.211	4.665	2260.393	0.17%	95.97%
47.0	51.119	4.269	2264.662	0.16%	96.15%
48.0	48.054	4.009	2268.671	0.15%	96.32%
49.0	45.545	3.844	2272.515	0.14%	96.48%
50.0	43.511	3.713	2276.228	0.14%	96.64%
51.0	42.122	3.623	2279.851	0.13%	96.79%
52.0	40.812	3.559	2283.41	0.13%	96.94%
53.0	39.576	3.497	2286.907	0.13%	97.09%
54.0	38.054	3.422	2290.328	0.13%	97.24%
55.0	36.474	3.327	2293.655	0.12%	97.38%
56.0	34.836	3.222	2296.878	0.12%	97.52%
57.0	33.131	3.108	2299.985	0.11%	97.65%
58.0	31.236	2.977	2302.962	0.11%	97.77%
59.0	29.247	2.828	2305.789	0.10%	97.89%
60.0	27.447	2.678	2308.468	0.10%	98.01%
61.0	25.867	2.544	2311.012	0.09%	98.12%
62.0	24.440	2.424	2313.436	0.09%	98.22%
63.0	22.992	2.307	2315.743	0.08%	98.32%
64.0	21.675	2.192	2317.935	0.08%	98.41%
65.0	20.527	2.089	2320.023	0.08%	98.50%
66.0	19.378	1.991	2322.014	0.07%	98.58%
67.0	18.186	1.889	2323.903	0.07%	98.66%
68.0	17.220	1.794	2325.697	0.07%	98.74%
69.0	16.489	1.720	2327.416	0.06%	98.81%
70.0	15.830	1.660	2329.076	0.06%	98.88%
71.0	15.274	1.608	2330.684	0.06%	98.95%
72.0	14.806	1.564	2332.248	0.06%	99.02%
73.0	14.397	1.527	2333.775	0.06%	99.08%
74.0	14.031	1.494	2335.27	0.05%	99.15%
75.0	13.658	1.463	2336.733	0.05%	99.21%

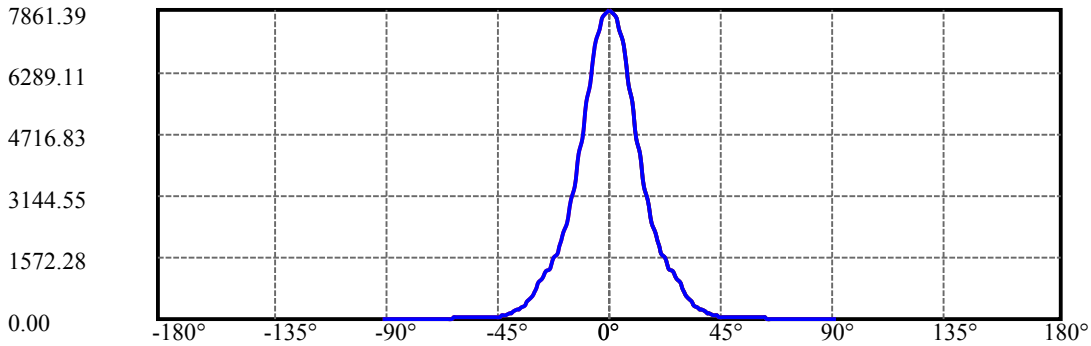
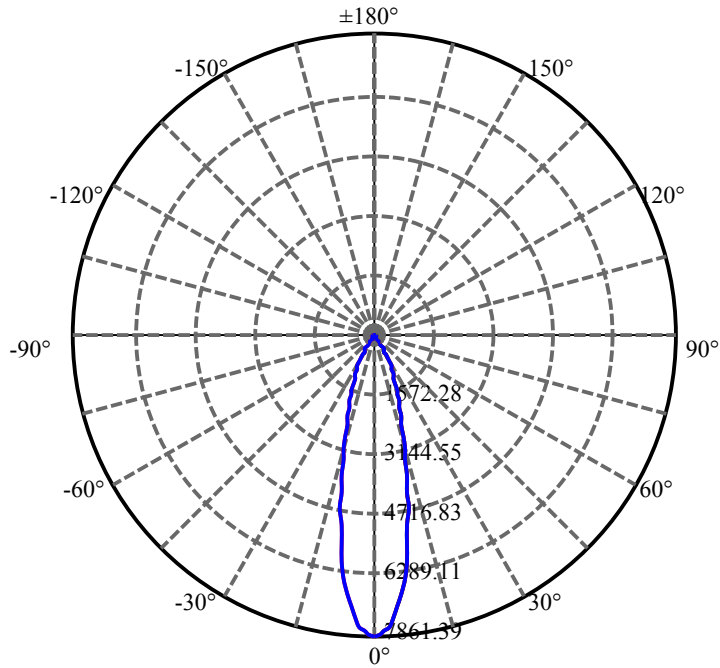
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.343	1.433	2338.166	0.05%	99.27%
77.0	13.029	1.406	2339.572	0.05%	99.33%
78.0	12.692	1.377	2340.949	0.05%	99.39%
79.0	12.363	1.346	2342.295	0.05%	99.44%
80.0	12.048	1.316	2343.611	0.05%	99.50%
81.0	11.770	1.288	2344.899	0.05%	99.55%
82.0	11.492	1.261	2346.161	0.05%	99.61%
83.0	11.229	1.235	2347.396	0.05%	99.66%
84.0	10.958	1.209	2348.604	0.04%	99.71%
85.0	10.746	1.185	2349.789	0.04%	99.76%
86.0	10.505	1.162	2350.951	0.04%	99.81%
87.0	10.315	1.139	2352.09	0.04%	99.86%
88.0	10.154	1.121	2353.211	0.04%	99.91%
89.0	10.000	1.105	2354.316	0.04%	99.95%
90.0	9.912	1.092	2355.408	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2011.61	73.79%	85.40%
0-40	2221.81	81.50%	94.33%
0-60	2308.47	84.68%	98.01%
0-90	2354.32	86.37%	99.95%
0-120	2354.32	86.37%	99.95%
0-180	2355.41	86.41%	100.00%
60-90	45.85	1.68%	1.95%
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%
0-27.14	1884.33	69.12%	80.00%

ZONAL LUMEN SUMMARY

0-10	610.73
10-20	852.12
20-30	548.75
30-40	210.20
40-50	54.42
50-60	32.24
60-70	20.61
70-80	14.53
80-90	10.70
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



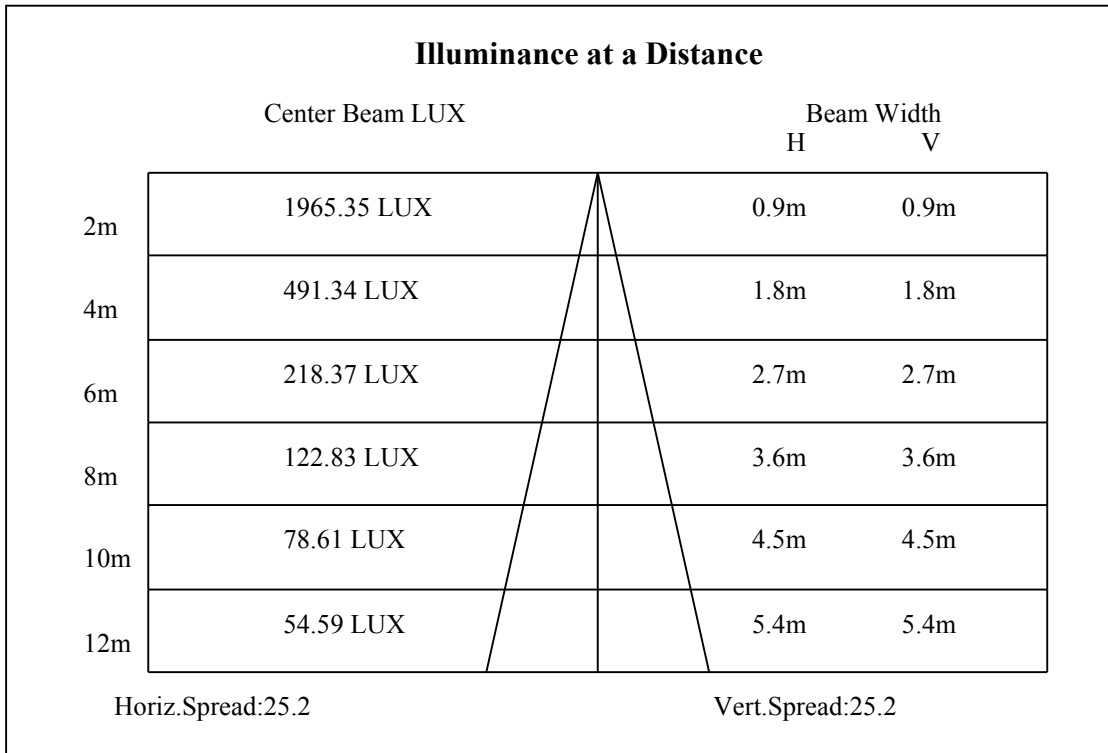
C0(Max): —————

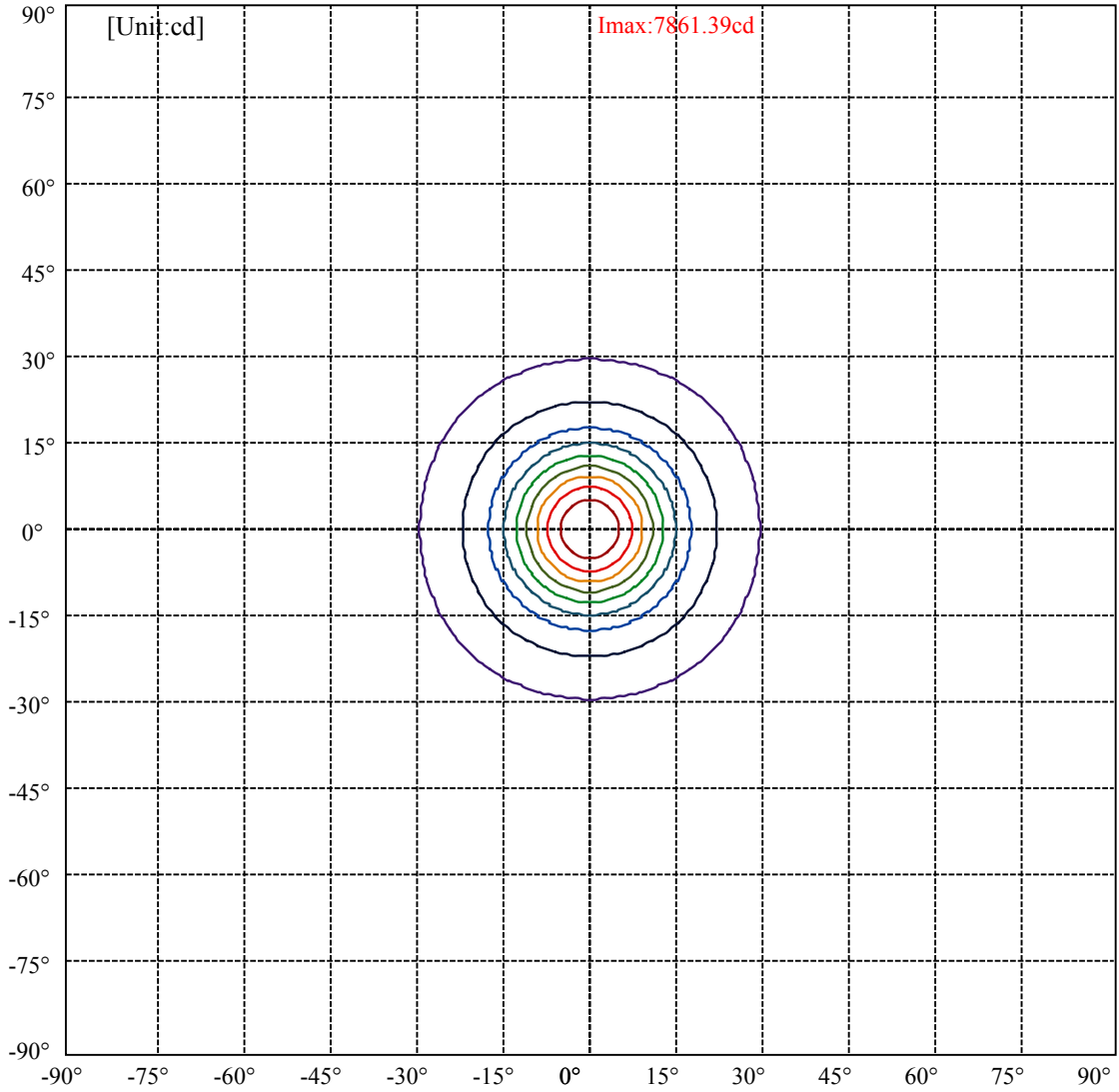
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:29.2 Right:29.2  
:C90/270Left:29.2 Right:29.2

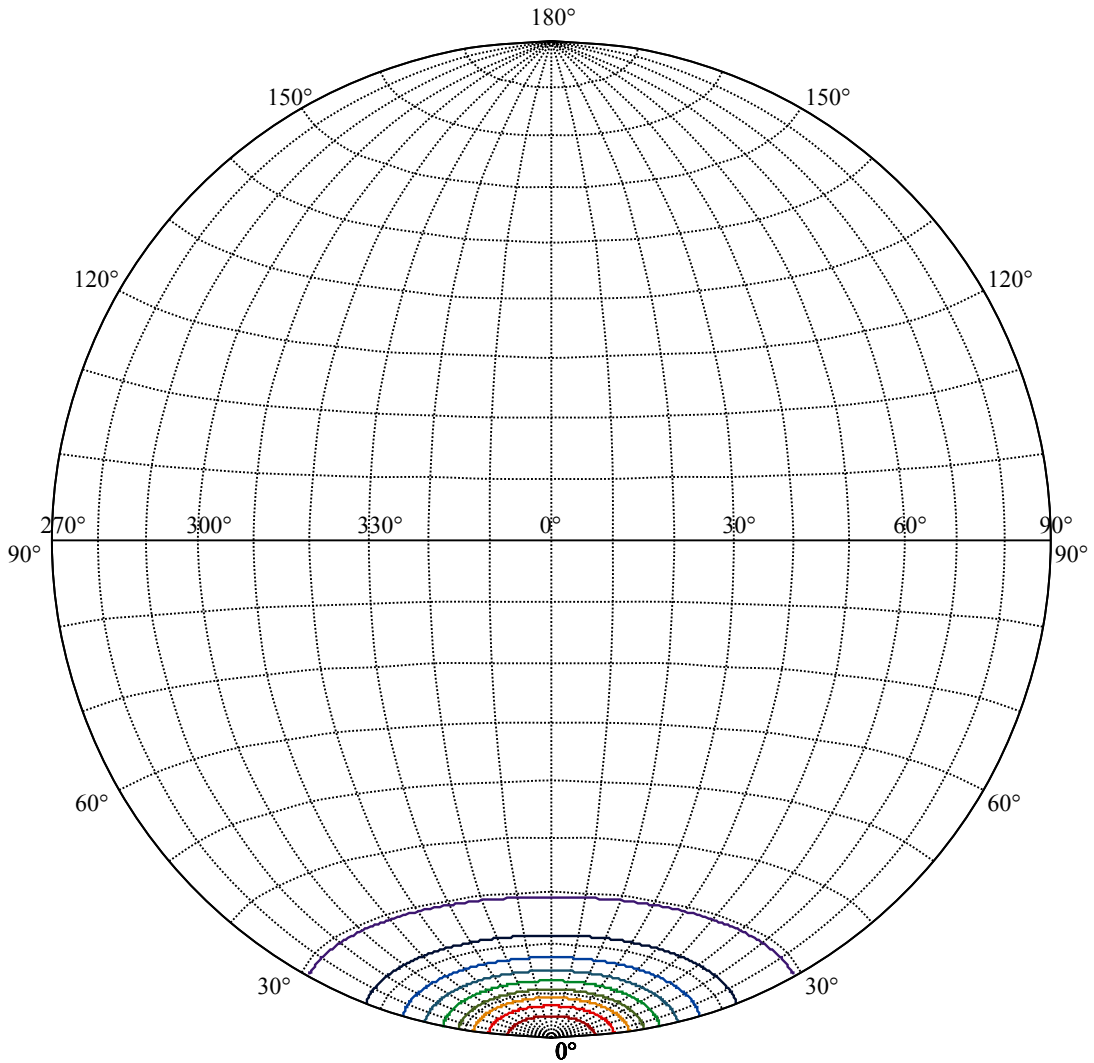
Beam Angle(50%Imax):C0/180Left:12.6 Right:12.6  
:C90/270Left:12.6 Right:12.6





(10%Imax) 786.139	—
(20%Imax) 1572.28	—
(30%Imax) 2358.42	—
(40%Imax) 3144.55	—
(50%Imax) 3930.69	—
(60%Imax) 4716.83	—
(70%Imax) 5502.97	—
(80%Imax) 6289.11	—
(90%Imax) 7075.25	—





House

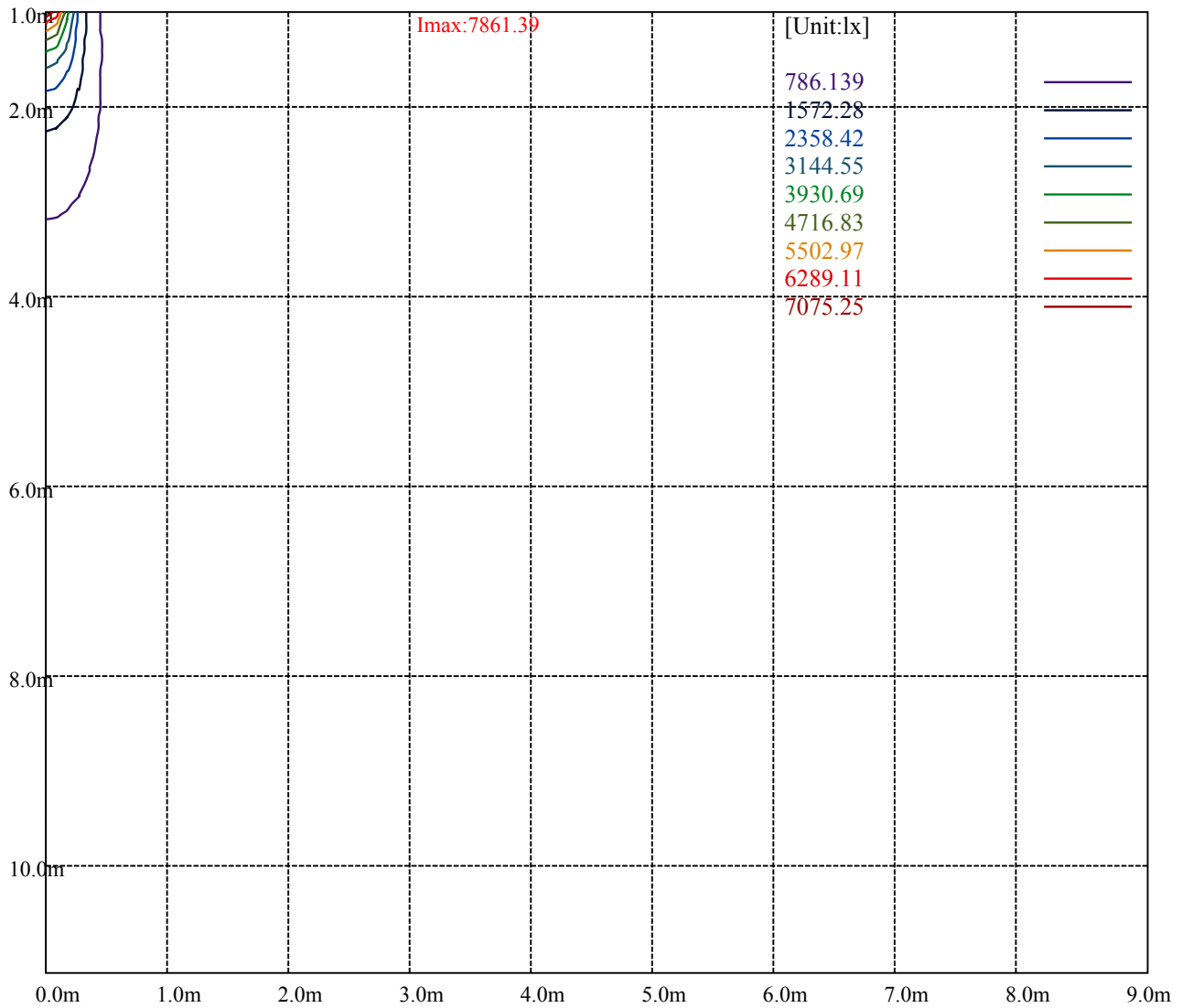
[Unit:cd]

Road

**Imax:7861.39**

(10%Imax) 786.139	—
(20%Imax) 1572.28	—
(30%Imax) 2358.42	—
(40%Imax) 3144.55	—
(50%Imax) 3930.69	—
(60%Imax) 4716.83	—
(70%Imax) 5502.97	—
(80%Imax) 6289.11	—
(90%Imax) 7075.25	—





Luminance Table

$\gamma$	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

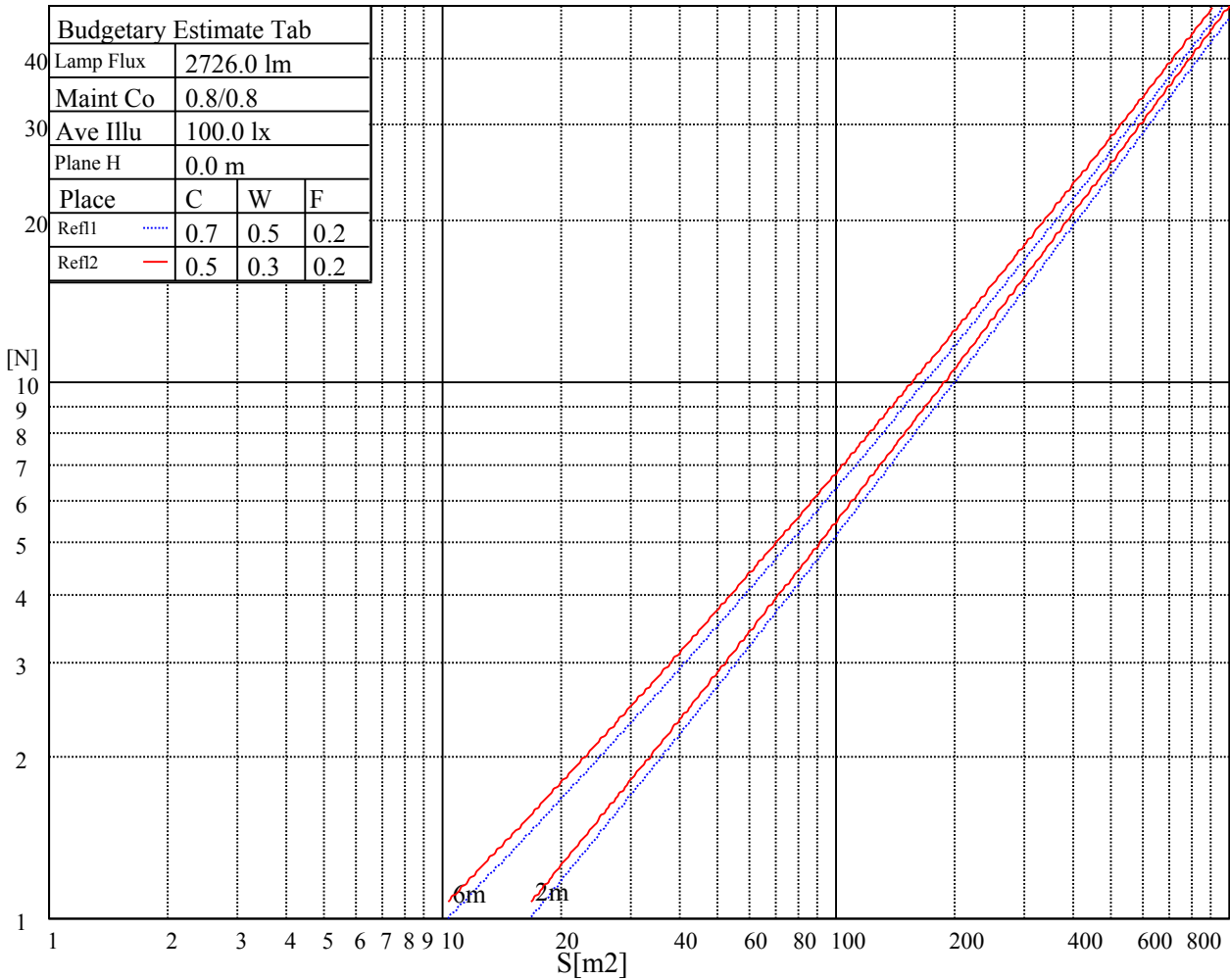
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

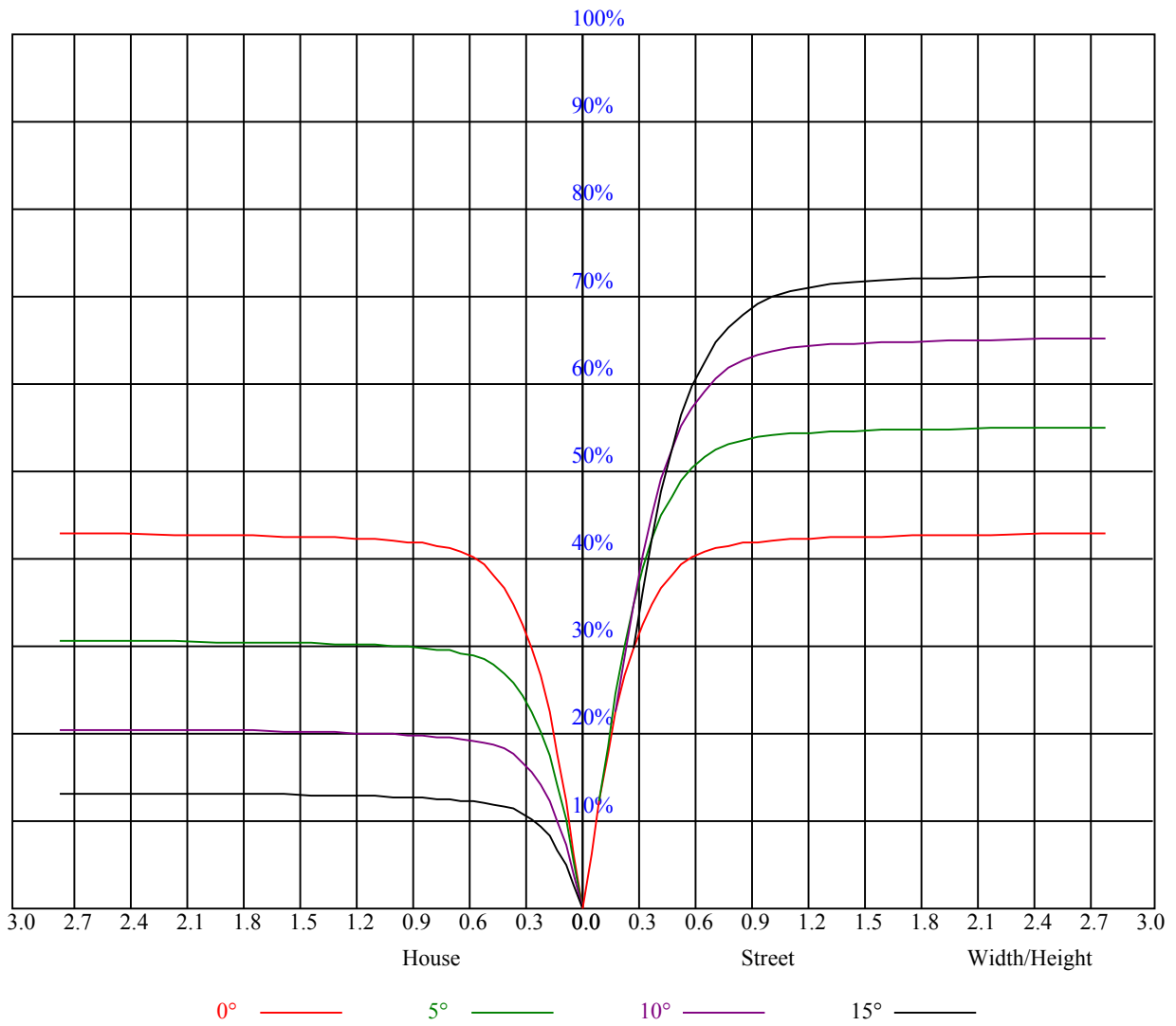


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions	Viewed crosswise					Viewed endwise					
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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					

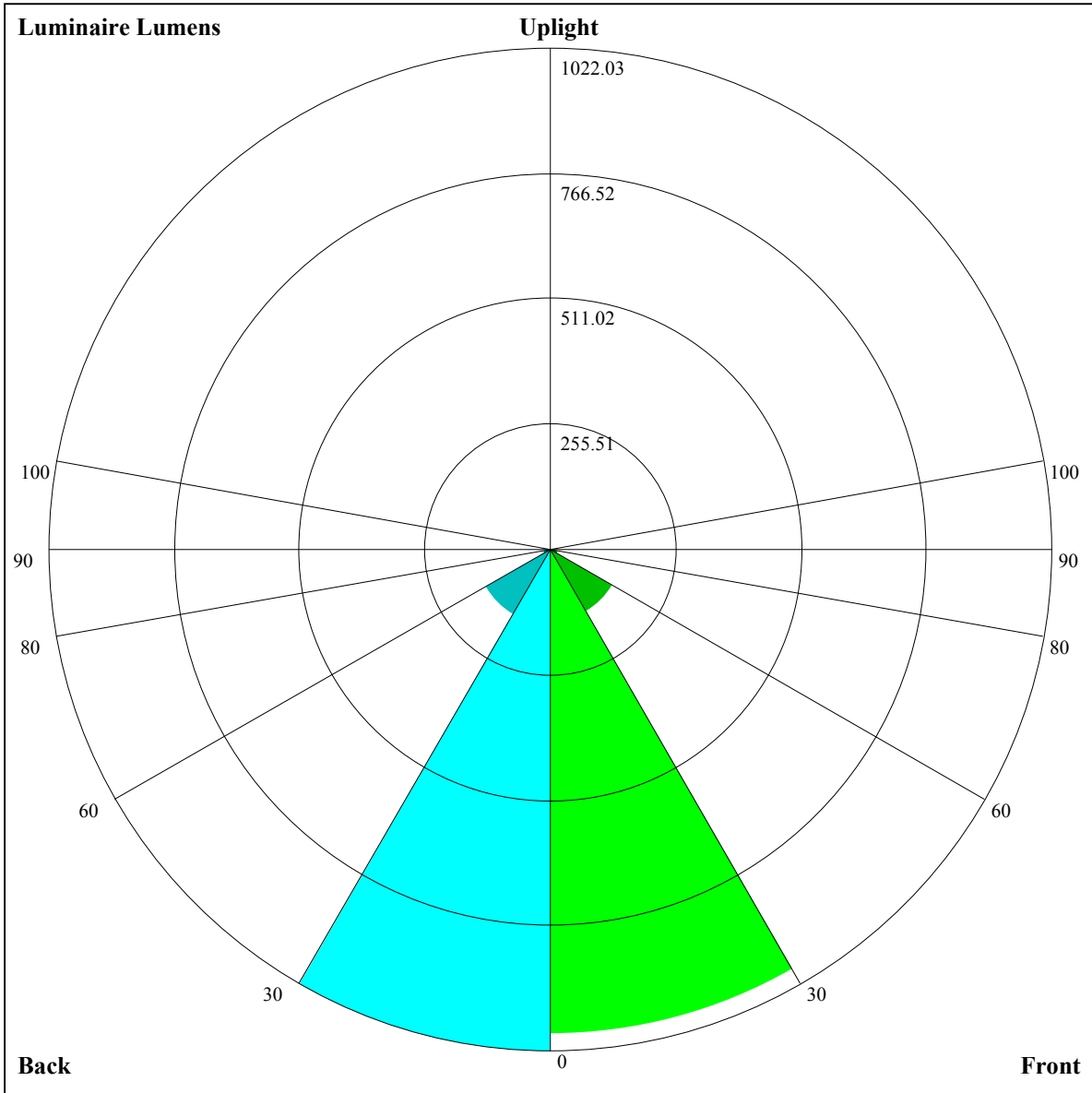
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.03	1.03	1.03	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.86
1	0.96	0.94	0.93	0.95	0.93	0.91	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82
2	0.91	0.88	0.85	0.89	0.87	0.84	0.87	0.84	0.82	0.84	0.82	0.81	0.82	0.80	0.79	0.78
3	0.86	0.82	0.79	0.85	0.81	0.79	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.74
4	0.82	0.78	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.77	0.75	0.72	0.76	0.73	0.72	0.70
5	0.78	0.74	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.67
6	0.74	0.70	0.67	0.74	0.70	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.68	0.65	0.64
7	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.62
8	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.65	0.63	0.60	0.59
9	0.66	0.62	0.59	0.65	0.61	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.55







Luminaire Lumens:

FL=989.26,FM=145.79,FH=17.45,FVH=5.89

BL=1022.03,BM=152.8,BH=17.73,BVH=5.92

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	7867.82	7797.60	7668.85	7483.92	7257.43	6891.08	6545.80	6152.53	5642.21
45.0	7861.97	7854.36	7824.52	7717.42	7504.98	7273.23	7002.28	6688.01	6210.47
90.0	7863.73	7801.11	7722.69	7581.65	7304.84	7011.05	6709.66	6253.19	5854.65
135.0	7852.02	7871.92	7839.73	7766.58	7626.71	7425.39	7092.99	6797.45	6340.39
180.0	7867.82	7867.24	7843.83	7764.82	7565.85	7348.73	7019.25	6686.25	6312.88
225.0	7861.97	7808.13	7640.17	7455.24	7225.25	6865.92	6518.88	6123.85	5706.00
270.0	7863.73	7853.78	7781.21	7658.90	7442.95	7210.62	6909.81	6569.21	6075.86
315.0	7852.02	7739.07	7588.67	7402.57	7161.46	6769.36	6394.81	5978.72	5542.72
360.0	7867.82	7797.60	7668.85	7483.92	7257.43	6891.08	6545.80	6152.53	5642.21
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5209.73	4774.32	4259.91	3881.86	3525.45	3102.92	2803.87	2534.08	2249.66
45.0	5809.59	5405.20	4988.52	4564.23	4067.96	3692.24	3274.98	2950.18	2663.42
90.0	5440.90	4938.19	4526.19	4124.72	3636.65	3299.56	2981.78	2692.09	2381.92
135.0	5937.75	5523.41	5110.24	4577.69	4168.62	3782.37	3424.80	3016.31	2723.11
180.0	5800.22	5378.28	4924.73	4486.98	3977.25	3609.73	3273.22	2961.88	2605.48
225.0	5257.13	4702.93	4299.71	3918.73	3473.37	3143.30	2838.40	2505.41	2272.49
270.0	5651.58	5085.66	4647.92	4237.09	3771.25	3417.77	3087.71	2792.17	2466.20
315.0	4973.89	4546.09	4156.33	3701.61	3358.08	2953.69	2668.68	2418.21	2196.41
360.0	5209.73	4774.32	4259.91	3881.86	3525.45	3102.92	2803.87	2534.08	2249.66
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2060.05	1895.60	1749.88	1593.63	1479.51	1374.75	1148.91	1148.91	1055.04
45.0	2359.69	2151.35	1933.06	1780.31	1645.13	1522.23	1386.46	1285.80	1185.72
90.0	2167.73	1979.87	1820.11	1644.54	1519.30	1381.19	1156.40	1156.40	1062.07
135.0	2457.42	2232.69	1993.92	1834.74	1659.76	1532.76	1422.16	1289.89	1193.33
180.0	2362.61	2144.91	1928.37	1779.73	1612.35	1490.04	1378.26	1255.37	1158.22
225.0	2032.54	1866.93	1723.55	1587.19	1444.98	1272.92	1145.34	1145.34	1031.05
270.0	2239.71	2044.83	1879.22	1701.89	1577.24	1461.37	1334.37	1236.64	1143.00
315.0	1966.41	1809.57	1672.63	1552.08	1413.96	1149.15	1149.15	1128.49	1012.61
360.0	2060.05	1895.60	1749.88	1593.63	1479.51	1374.75	1148.91	1148.91	1055.04
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	960.53	839.91	745.17	650.95	536.65	453.43	384.55	317.54	273.94
45.0	1088.58	993.19	872.04	775.48	681.26	565.97	479.94	389.23	331.30
90.0	968.37	872.45	779.05	659.96	567.55	480.18	403.98	328.43	278.51
135.0	1095.60	1003.13	884.33	789.53	694.14	602.84	493.40	417.91	354.70
180.0	1062.83	972.12	877.31	753.24	656.68	563.04	474.09	381.63	325.44
225.0	941.33	846.06	750.26	632.86	541.92	458.93	374.54	322.75	270.14
270.0	1028.88	934.08	816.45	717.54	622.74	532.03	429.61	365.24	316.08
315.0	920.91	800.53	704.14	611.03	498.96	420.78	357.46	307.59	255.22
360.0	960.53	839.91	745.17	650.95	536.65	453.43	384.55	317.54	273.94
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	237.66	206.29	172.00	148.24	128.16	110.26	91.24	78.89	69.29
45.0	306.72	306.72	195.99	166.96	142.85	118.80	103.06	89.54	78.07
90.0	236.43	201.38	164.21	139.28	114.70	99.02	86.03	73.04	64.67
135.0	302.03	302.03	208.34	177.32	145.19	124.48	104.17	90.94	79.65
180.0	302.62	302.62	196.93	169.07	139.52	119.62	99.37	85.85	74.44
225.0	234.73	203.19	169.31	146.19	125.53	108.03	92.88	77.25	67.53
270.0	304.38	255.39	196.28	170.36	147.36	122.43	105.34	90.53	75.55
315.0	220.86	190.14	158.24	136.06	116.87	100.66	83.98	73.15	64.49
360.0	237.66	206.29	172.00	148.24	128.16	110.26	91.24	78.89	69.29

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	60.10	54.72	50.04	47.64	45.24	43.89	42.19	40.79	39.56
45.0	68.82	59.46	53.78	50.15	47.17	44.77	43.01	41.96	40.85
90.0	58.05	52.67	48.11	45.94	43.89	42.37	41.73	40.38	39.21
135.0	70.23	60.92	55.13	51.09	48.52	46.06	44.30	43.31	42.25
180.0	65.14	56.71	51.68	48.05	45.76	43.13	41.84	40.91	39.62
225.0	59.63	53.78	49.22	46.41	43.37	41.79	40.73	38.86	37.75
270.0	66.36	59.40	52.90	49.51	46.76	43.89	42.55	41.08	39.68
315.0	56.36	52.03	48.11	45.65	43.66	42.19	40.61	39.21	37.69
360.0	60.10	54.72	50.04	47.64	45.24	43.89	42.19	40.79	39.56
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	37.92	35.99	34.41	32.36	30.61	28.38	26.63	25.11	23.70
45.0	39.33	37.86	36.28	34.88	32.60	30.72	29.03	27.10	25.40
90.0	37.86	36.34	34.88	32.90	30.96	28.79	26.98	25.69	24.58
135.0	40.73	39.62	37.63	36.11	34.00	32.07	30.26	28.32	26.28
180.0	38.16	36.81	35.00	33.47	31.89	29.67	28.09	26.28	24.99
225.0	36.28	34.41	32.89	31.19	29.61	27.97	25.87	24.76	23.53
270.0	37.98	36.34	34.88	33.30	30.96	29.32	27.21	25.63	24.46
315.0	36.17	34.41	32.71	30.84	29.26	27.04	25.52	24.05	22.59
360.0	37.92	35.99	34.41	32.36	30.61	28.38	26.63	25.11	23.70
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.24	20.95	19.96	18.73	17.56	16.85	16.21	15.63	15.16
45.0	24.17	22.65	21.24	20.25	19.02	17.73	16.97	16.15	15.57
90.0	22.82	21.59	20.54	19.49	17.97	17.15	16.44	15.80	15.16
135.0	25.11	23.70	22.30	20.95	19.78	18.49	17.38	16.68	15.98
180.0	23.64	22.12	20.89	19.96	18.61	17.50	16.80	15.98	15.45
225.0	21.71	20.66	19.72	18.20	17.32	16.44	15.86	15.27	14.86
270.0	22.82	21.54	20.48	19.49	18.02	17.21	16.50	15.92	15.22
315.0	21.42	20.19	19.08	17.97	17.21	16.39	15.74	15.22	14.81
360.0	22.24	20.95	19.96	18.73	17.56	16.85	16.21	15.63	15.16
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.69	14.34	13.99	13.58	13.28	12.93	12.58	12.29	11.94
45.0	15.16	14.69	14.34	13.87	13.58	13.28	12.93	12.58	12.29
90.0	14.75	14.28	13.93	13.64	13.28	12.99	12.64	12.35	12.00
135.0	15.33	14.86	14.46	14.05	13.75	13.46	13.17	12.76	12.47
180.0	14.92	14.46	14.16	13.75	13.46	13.17	12.87	12.47	12.17
225.0	14.40	14.05	13.69	13.40	12.99	12.70	12.41	12.11	11.82
270.0	14.81	14.46	13.99	13.64	13.34	12.99	12.64	12.29	12.00
315.0	14.40	14.05	13.69	13.34	13.05	12.70	12.29	12.06	11.70
360.0	14.69	14.34	13.99	13.58	13.28	12.93	12.58	12.29	11.94
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.70	11.47	11.18	10.89	10.71	10.48	10.30	10.30	9.95
45.0	11.94	11.65	11.35	11.12	10.89	10.65	10.42	10.18	10.24
90.0	11.76	11.47	11.18	10.94	10.77	10.48	10.30	10.12	9.89
135.0	12.17	11.82	11.59	11.24	11.00	10.77	10.53	10.30	10.18
180.0	11.94	11.65	11.41	11.06	10.83	10.65	10.42	10.18	10.07
225.0	11.53	11.24	11.00	10.83	10.53	10.30	10.18	10.12	9.89
270.0	11.70	11.41	11.18	10.94	10.77	10.48	10.30	10.12	9.89
315.0	11.41	11.24	10.94	10.65	10.48	10.24	10.07	9.89	9.89
360.0	11.70	11.47	11.18	10.89	10.71	10.48	10.30	10.30	9.95

Intensity data(cd)

C/γ(°)	90.0
0.0	10.01
45.0	9.83
90.0	9.89
135.0	9.95
180.0	9.83
225.0	9.95
270.0	9.95
315.0	9.89
360.0	10.01