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NT

Client:

LumCAT: 2-2688-L

Luminaire: 92.70.411.00

Report No: 2024418-B023

Ballast type: AC

Test No: 2024418-C023

Voltage(V): 33.670

LampCAT: NICHIA NFCWJ120B-V3

Current(A): 0.576

Lamp flux(lm): 2726.0

Power (W): 19.393

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2250.91, Efficiency(%): 82.57% , Luminous Efficacy(lm/W): 116.07

Central intensity(cd): 5424.070, Maximum intensity(cd): 5427.362

Angle of maximum intensity: C=0.0  $\gamma$ =1.0

Beam Angle(50%Imax): [C0/180]Total=35.4

[C90/270]Total=35.4

Field angle(10%Imax): [C0/180]Total=61.4

[C90/270]Total=61.4

Maximum s/h(1/2): C0\_180=0.58 C90\_270=0.58

Maximum s/h(1/4): C0\_180=0.58 C90\_270=0.58

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.57%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.730%

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	5424.070	0.000	0	0.00%	0.00%
1.0	5427.362	5.192	5.192	0.19%	0.23%
2.0	5425.753	15.577	20.77	0.57%	0.92%
3.0	5415.365	25.928	46.698	0.95%	2.07%
4.0	5377.325	36.127	82.825	1.33%	3.68%
5.0	5310.610	45.979	128.804	1.69%	5.72%
6.0	5223.192	55.358	184.161	2.03%	8.18%
7.0	5093.199	64.034	248.195	2.35%	11.03%
8.0	4926.483	71.709	319.904	2.63%	14.21%
9.0	4724.214	78.214	398.118	2.87%	17.69%
10.0	4532.626	83.771	481.889	3.07%	21.41%
11.0	4318.800	88.444	570.333	3.24%	25.34%
12.0	4110.825	92.148	662.481	3.38%	29.43%
13.0	3855.228	94.537	757.018	3.47%	33.63%
14.0	3604.094	95.479	852.496	3.50%	37.87%
15.0	3372.710	95.781	948.277	3.51%	42.13%
16.0	3121.502	95.158	1043.435	3.49%	46.36%
17.0	2872.197	93.338	1136.773	3.42%	50.50%
18.0	2635.107	90.803	1227.577	3.33%	54.54%
19.0	2425.524	88.045	1315.621	3.23%	58.45%
20.0	2195.823	84.583	1400.205	3.10%	62.21%
21.0	1980.387	80.192	1480.397	2.94%	65.77%
22.0	1789.823	75.764	1556.16	2.78%	69.13%
23.0	1555.177	70.187	1626.348	2.57%	72.25%
24.0	1361.892	63.778	1690.125	2.34%	75.09%
25.0	1248.782	59.361	1749.486	2.18%	77.72%
26.0	1116.726	55.838	1805.324	2.05%	80.20%
27.0	977.457	51.235	1856.559	1.88%	82.48%
28.0	848.518	46.230	1902.789	1.70%	84.53%
29.0	722.094	41.092	1943.88	1.51%	86.36%
30.0	606.103	35.861	1979.742	1.32%	87.95%
31.0	508.729	31.024	2010.766	1.14%	89.33%
32.0	425.949	26.777	2037.543	0.98%	90.52%
33.0	347.543	22.787	2060.33	0.84%	91.53%
34.0	284.931	19.141	2079.471	0.70%	92.38%
35.0	246.065	16.491	2095.962	0.60%	93.12%
36.0	195.260	14.052	2110.014	0.52%	93.74%
37.0	139.079	10.904	2120.918	0.40%	94.22%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	108.471	8.263	2129.181	0.30%	94.59%
39.0	87.206	6.679	2135.86	0.25%	94.89%
40.0	72.305	5.563	2141.423	0.20%	95.14%
41.0	61.361	4.760	2146.183	0.17%	95.35%
42.0	53.694	4.180	2150.363	0.15%	95.53%
43.0	48.603	3.789	2154.152	0.14%	95.70%
44.0	44.777	3.524	2157.677	0.13%	95.86%
45.0	41.909	3.331	2161.008	0.12%	96.01%
46.0	39.356	3.178	2164.186	0.12%	96.15%
47.0	37.133	3.042	2167.228	0.11%	96.28%
48.0	35.509	2.937	2170.165	0.11%	96.41%
49.0	33.965	2.853	2173.018	0.10%	96.54%
50.0	32.495	2.771	2175.789	0.10%	96.66%
51.0	31.163	2.693	2178.482	0.10%	96.78%
52.0	30.037	2.626	2181.108	0.10%	96.90%
53.0	28.910	2.564	2183.672	0.09%	97.01%
54.0	27.776	2.498	2186.171	0.09%	97.12%
55.0	26.745	2.434	2188.605	0.09%	97.23%
56.0	25.728	2.371	2190.976	0.09%	97.34%
57.0	24.777	2.309	2193.285	0.08%	97.44%
58.0	23.767	2.245	2195.53	0.08%	97.54%
59.0	22.838	2.179	2197.709	0.08%	97.64%
60.0	22.026	2.120	2199.828	0.08%	97.73%
61.0	21.192	2.062	2201.891	0.08%	97.82%
62.0	20.461	2.007	2203.898	0.07%	97.91%
63.0	19.707	1.954	2205.851	0.07%	98.00%
64.0	19.115	1.905	2207.756	0.07%	98.08%
65.0	18.566	1.865	2209.621	0.07%	98.17%
66.0	18.215	1.835	2211.456	0.07%	98.25%
67.0	18.142	1.828	2213.285	0.07%	98.33%
68.0	18.222	1.842	2215.127	0.07%	98.41%
69.0	18.420	1.869	2216.996	0.07%	98.49%
70.0	18.713	1.907	2218.903	0.07%	98.58%
71.0	19.130	1.956	2220.859	0.07%	98.66%
72.0	19.766	2.022	2222.881	0.07%	98.75%
73.0	20.132	2.086	2224.968	0.08%	98.85%
74.0	20.337	2.128	2227.095	0.08%	98.94%
75.0	20.256	2.145	2229.24	0.08%	99.04%

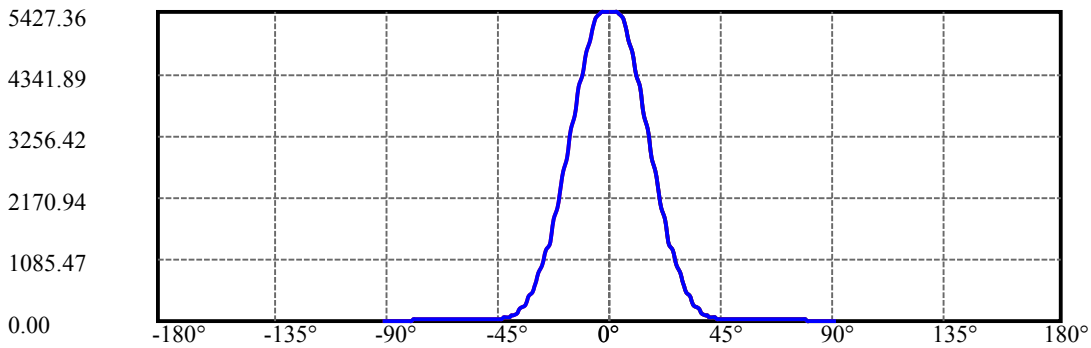
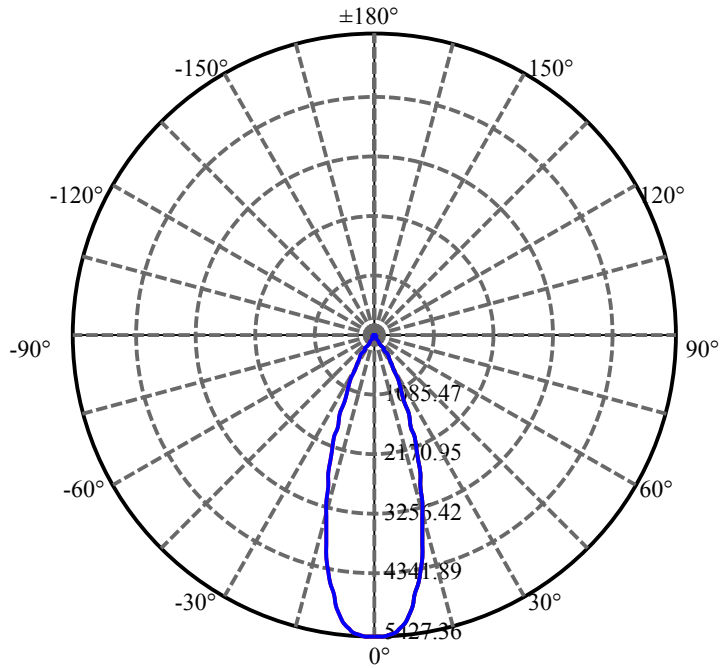
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	19.868	2.130	2231.37	0.08%	99.13%
77.0	19.005	2.073	2233.443	0.08%	99.22%
78.0	17.871	1.974	2235.417	0.07%	99.31%
79.0	16.262	1.834	2237.251	0.07%	99.39%
80.0	14.045	1.634	2238.885	0.06%	99.47%
81.0	12.502	1.436	2240.32	0.05%	99.53%
82.0	11.858	1.321	2241.641	0.05%	99.59%
83.0	11.631	1.277	2242.918	0.05%	99.64%
84.0	11.448	1.257	2244.175	0.05%	99.70%
85.0	11.112	1.231	2245.407	0.05%	99.76%
86.0	10.519	1.182	2246.589	0.04%	99.81%
87.0	10.000	1.123	2247.712	0.04%	99.86%
88.0	9.773	1.083	2248.795	0.04%	99.91%
89.0	9.656	1.065	2249.86	0.04%	99.95%
90.0	9.576	1.054	2250.915	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1979.74	72.62%	87.95%
0-40	2141.42	78.56%	95.14%
0-60	2199.83	80.70%	97.73%
0-90	2249.86	82.53%	99.95%
0-120	2249.86	82.53%	99.95%
0-180	2250.91	82.57%	100.00%
60-90	50.03	1.84%	2.22%
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%
0-25.92	1800.73	66.06%	80.00%

ZONAL LUMEN SUMMARY

0-10	481.89
10-20	918.32
20-30	579.54
30-40	161.68
40-50	34.37
50-60	24.04
60-70	19.07
70-80	19.98
80-90	10.98
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: —————

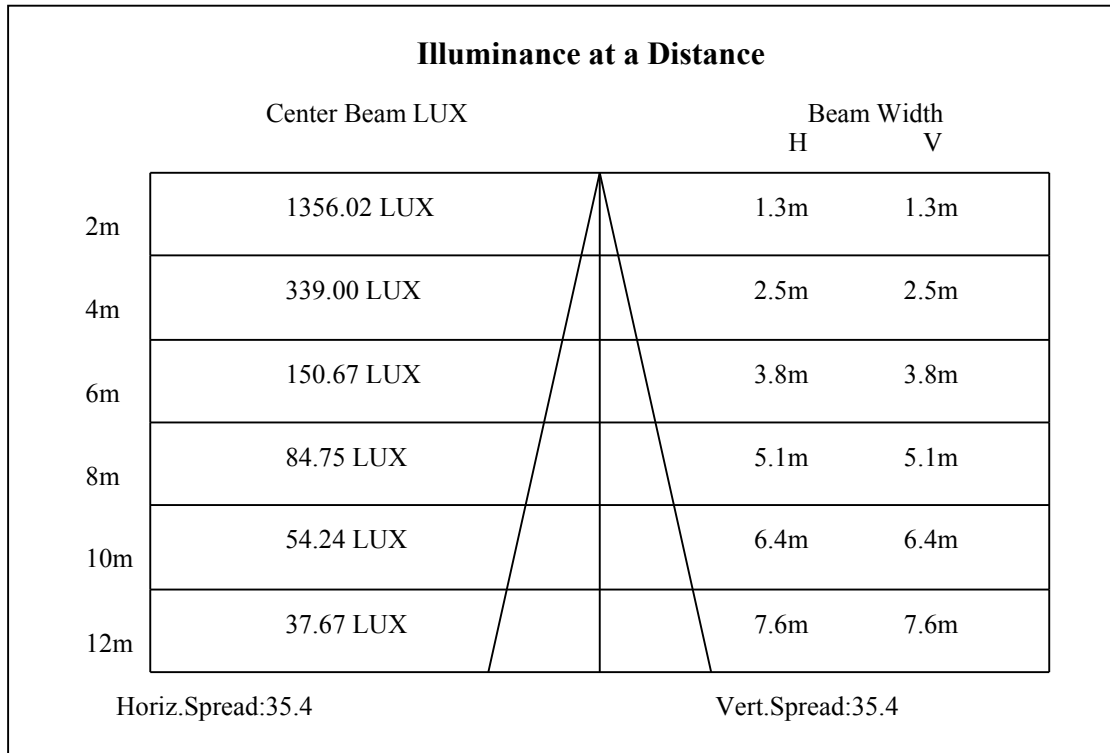
C90/C270: —————

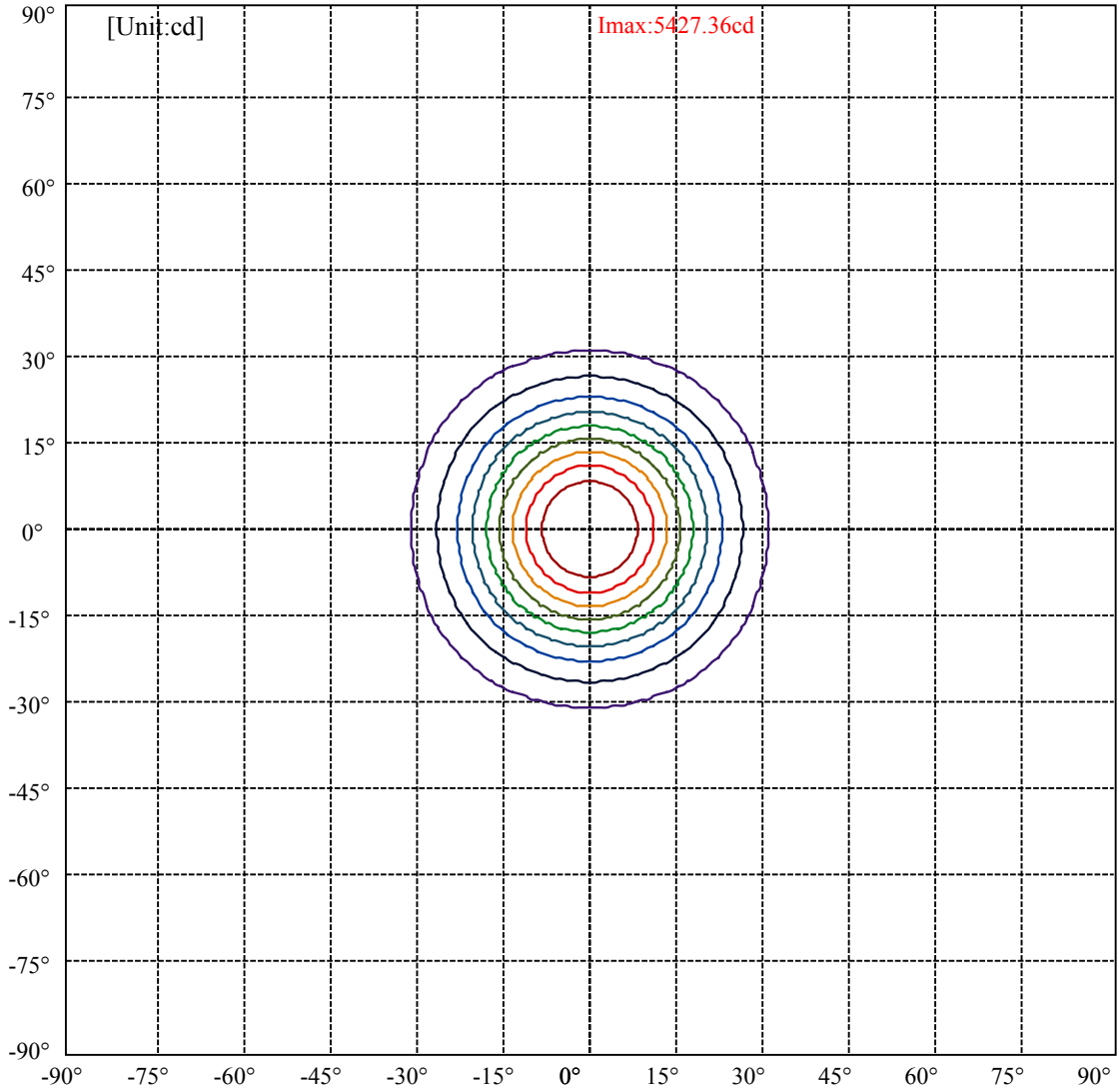
Field angle(10%Imax):C0/180Left:31.7 Right:29.7

:C90/270Left:31.7 Right:29.7

Beam Angle(50%Imax):C0/180Left:18.7 Right:16.7

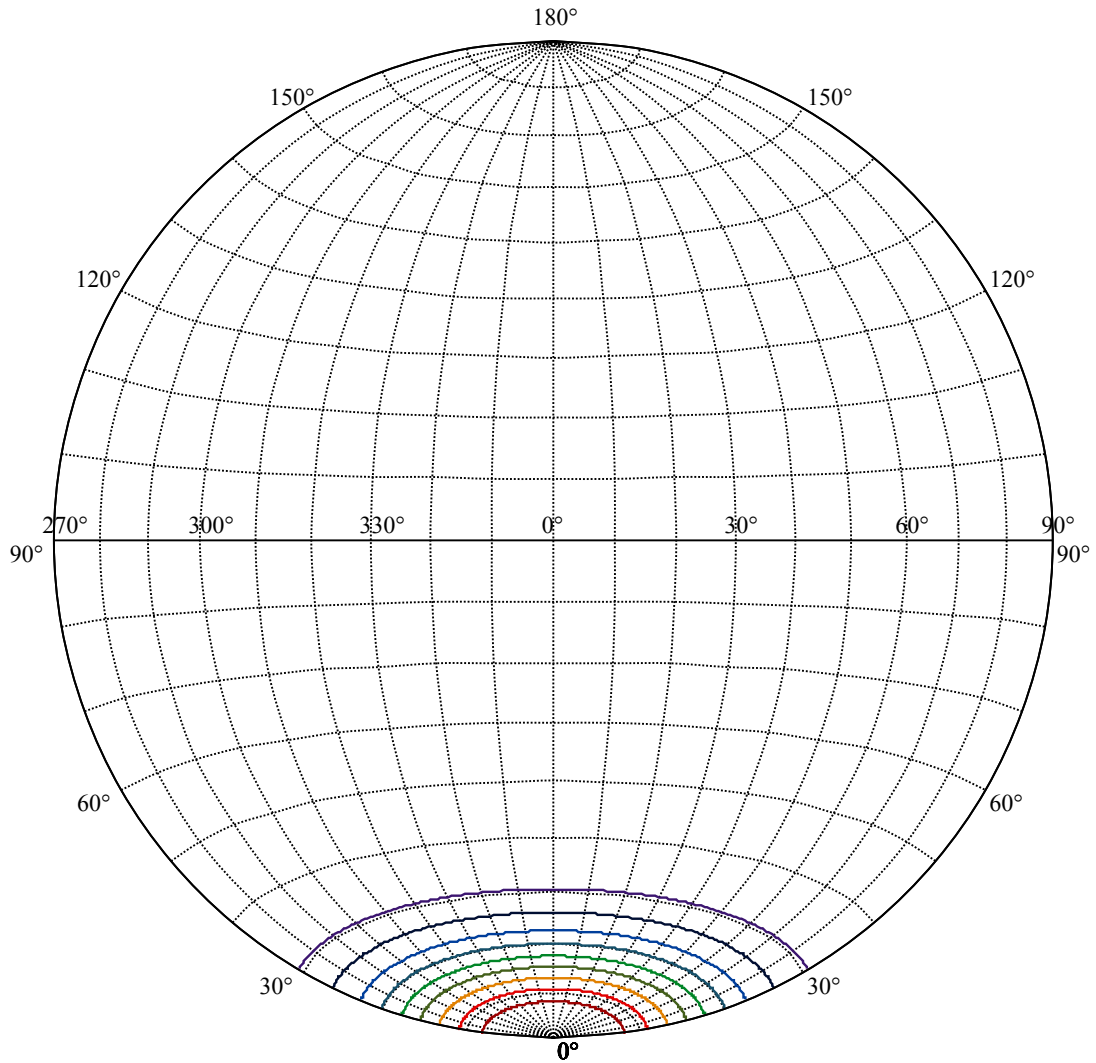
:C90/270Left:18.7 Right:16.7





(10%Imax) 542.736	—
(20%Imax) 1085.47	—
(30%Imax) 1628.21	—
(40%Imax) 2170.94	—
(50%Imax) 2713.68	—
(60%Imax) 3256.42	—
(70%Imax) 3799.15	—
(80%Imax) 4341.89	—
(90%Imax) 4884.63	—





House

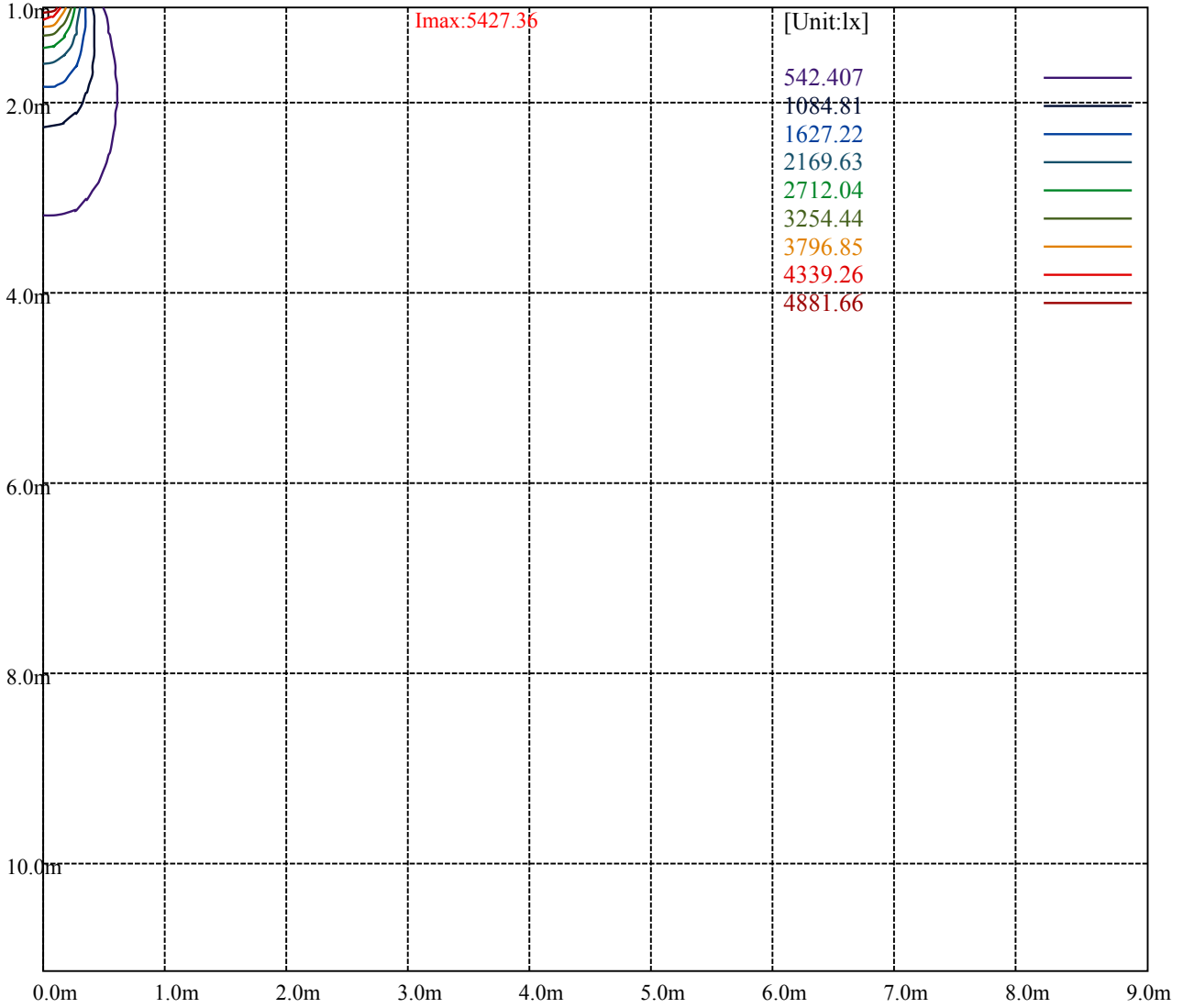
[Unit:cd]

Road

**I<sub>max</sub>:5427.36**

(10%I <sub>max</sub> )	542.736	—
(20%I <sub>max</sub> )	1085.47	—
(30%I <sub>max</sub> )	1628.21	—
(40%I <sub>max</sub> )	2170.94	—
(50%I <sub>max</sub> )	2713.68	—
(60%I <sub>max</sub> )	3256.42	—
(70%I <sub>max</sub> )	3799.15	—
(80%I <sub>max</sub> )	4341.89	—
(90%I <sub>max</sub> )	4884.63	—





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

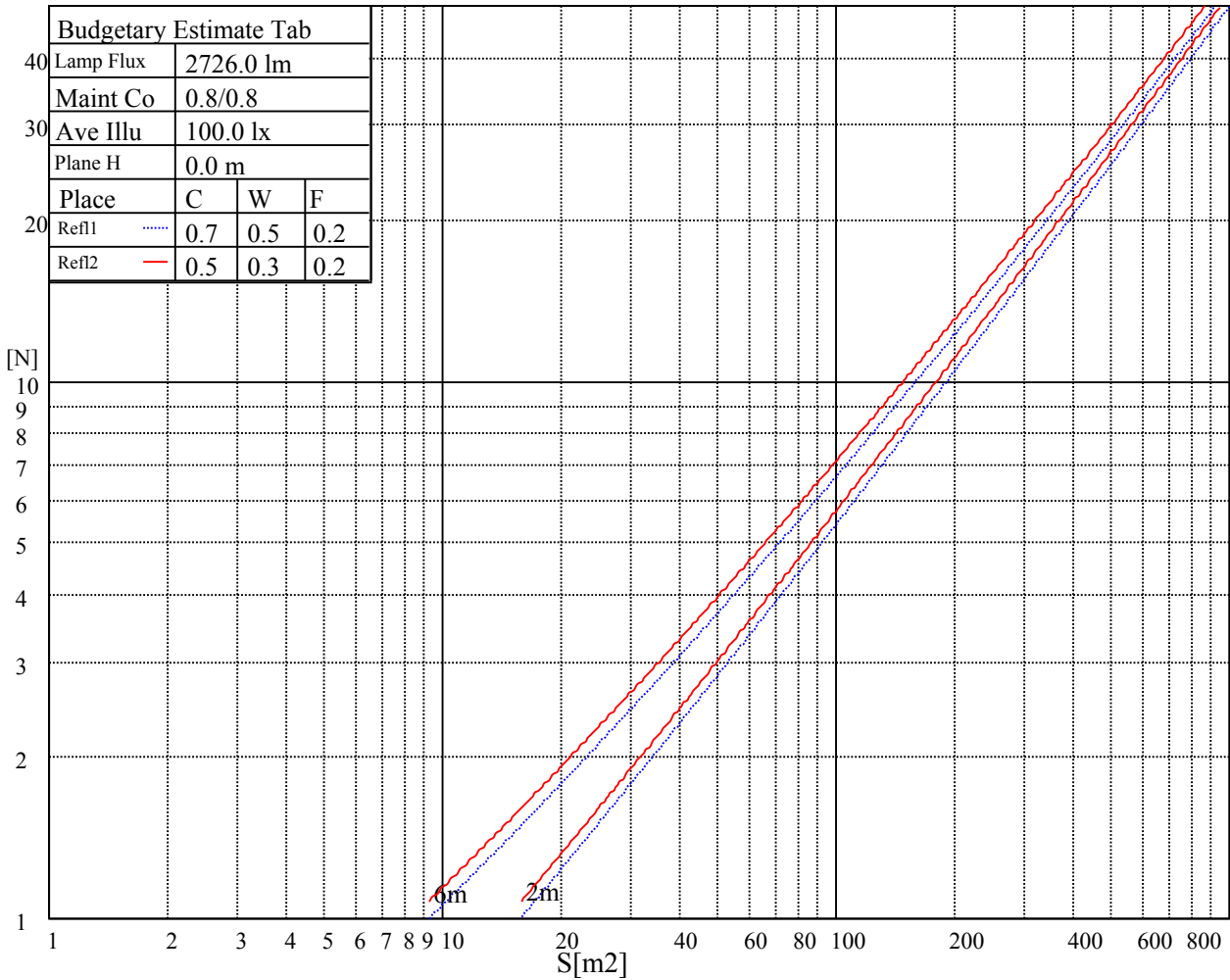
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

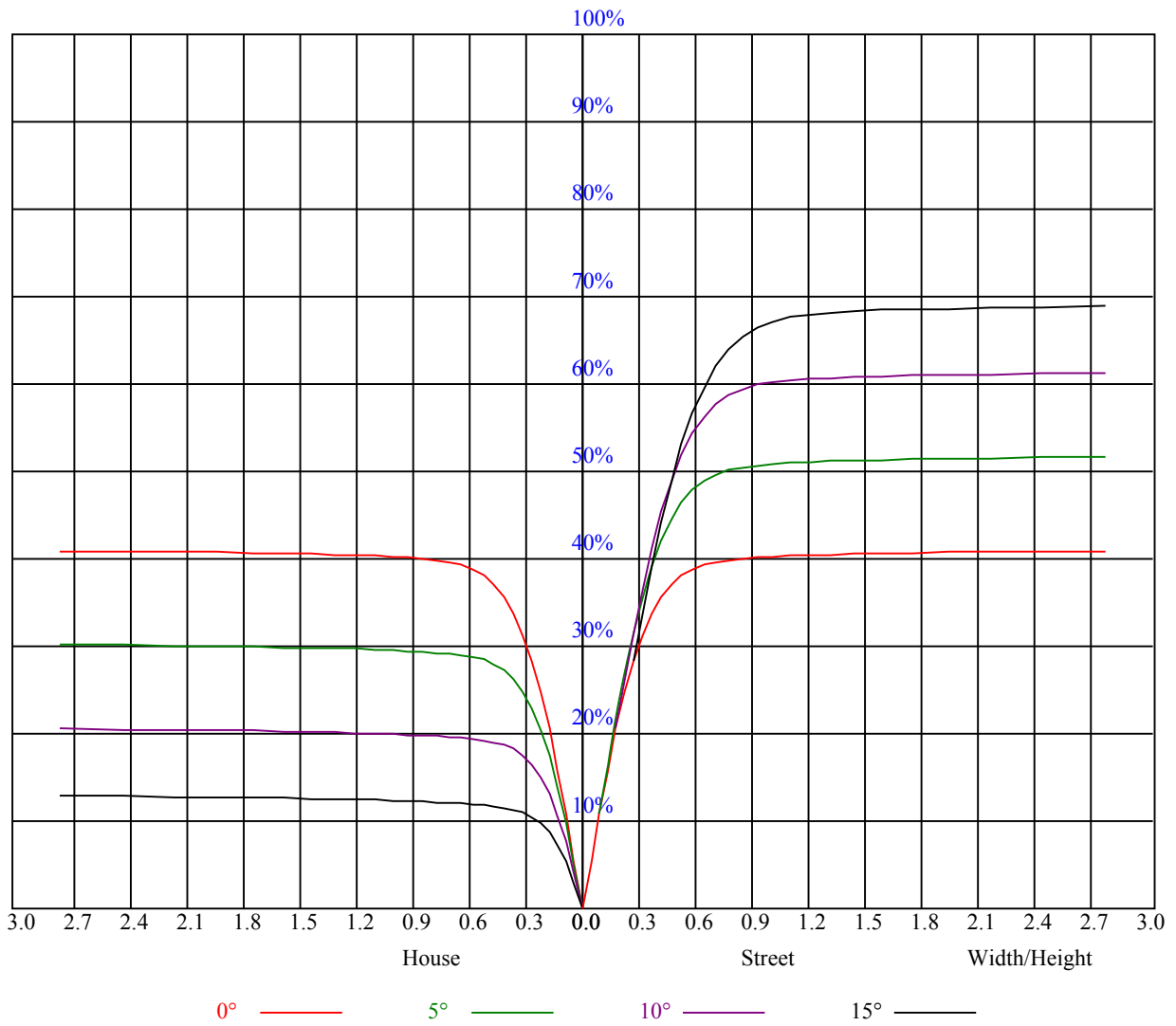


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

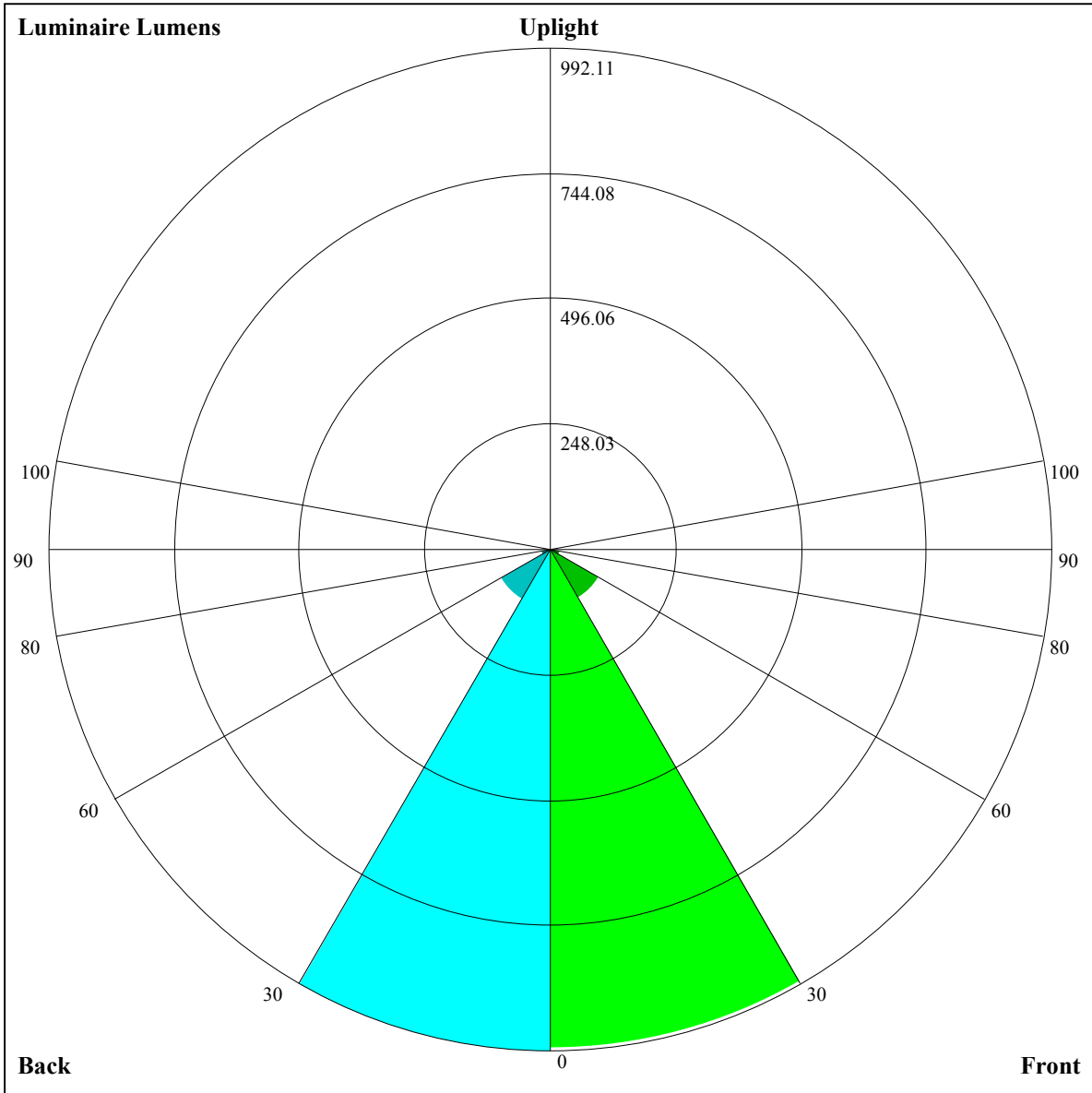
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	0.98	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	0.89	0.87	0.87	0.86	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78
2	0.87	0.84	0.81	0.85	0.82	0.80	0.83	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	0.81	0.77	0.75	0.79	0.76	0.74	0.77	0.74	0.73	0.75	0.73	0.71	0.70
4	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.74	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.69	0.67	0.65	0.64
6	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.61
7	0.68	0.64	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.64	0.62	0.60	0.59
8	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.56
9	0.62	0.58	0.56	0.62	0.58	0.55	0.61	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.58	0.55	0.53	0.58	0.55	0.53	0.52







Luminaire Lumens:  
FL=985.9,FM=110.57,FH=19.97,FVH=6.14  
BL=992.11,BM=113.25,BH=18.72,BVH=6  
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	5448.50	5472.50	5461.38	5445.58	5412.80	5333.80	5226.12	5074.54	4870.89
45.0	5394.66	5433.29	5489.47	5506.44	5491.81	5464.30	5418.66	5308.05	5141.26
90.0	5434.46	5492.98	5511.12	5502.34	5480.11	5419.24	5301.61	5152.38	4985.01
135.0	5418.66	5427.44	5442.07	5455.53	5457.87	5419.83	5356.04	5269.42	5140.09
180.0	5448.50	5413.97	5395.25	5403.44	5357.79	5302.78	5242.50	5121.36	4990.86
225.0	5394.66	5358.38	5334.38	5294.59	5224.36	5125.46	5016.02	4874.40	4693.56
270.0	5434.46	5401.10	5381.20	5368.33	5302.78	5236.07	5168.77	5049.97	4872.06
315.0	5418.66	5419.24	5391.15	5346.67	5291.08	5183.40	5055.82	4895.47	4718.14
360.0	5448.50	5472.50	5461.38	5445.58	5412.80	5333.80	5226.12	5074.54	4870.89
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4676.59	4501.02	4241.77	4021.72	3729.70	3492.68	3255.08	3025.67	2761.74
45.0	4968.62	4803.00	4630.36	4431.38	4162.76	3932.19	3694.00	3385.59	3150.91
90.0	4802.41	4570.67	4370.52	4151.06	3915.80	3617.92	3380.90	3142.13	2915.06
135.0	4934.09	4742.72	4557.79	4359.40	4099.56	3866.05	3634.31	3386.76	3095.90
180.0	4786.61	4587.05	4381.64	4178.57	3905.85	3678.20	3449.96	3231.09	2955.44
225.0	4447.18	4254.64	4059.76	3857.86	3584.56	3365.10	3135.11	2861.22	2645.86
270.0	4701.17	4508.63	4262.84	4060.35	3843.23	3568.18	3349.30	3070.73	2850.10
315.0	4477.03	4293.27	4045.72	3826.26	3600.36	3312.43	3083.02	2868.83	2602.55
360.0	4676.59	4501.02	4241.77	4021.72	3729.70	3492.68	3255.08	3025.67	2761.74
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2552.22	2341.54	2135.54	1890.92	1720.03	1556.17	1144.35	1144.35	1076.05
45.0	2879.95	2662.83	2448.64	2189.39	1992.16	1809.57	1641.03	1443.22	1289.89
90.0	2647.03	2435.76	2173.58	1978.70	1795.53	1586.60	1319.74	1140.84	1106.72
135.0	2877.02	2669.27	2417.04	2208.70	2006.21	1777.97	1610.60	1416.89	1266.49
180.0	2730.72	2514.77	2258.44	2056.54	1864.00	1639.27	1484.19	1334.37	1155.88
225.0	2381.34	2180.61	1977.53	1791.43	1576.07	1157.28	1157.28	1121.88	953.57
270.0	2617.77	2411.77	2168.32	1969.34	1771.53	1593.63	1398.16	1248.93	1112.57
315.0	2394.80	2187.63	1987.48	1758.07	1593.04	1320.91	1139.78	1139.78	972.64
360.0	2552.22	2341.54	2135.54	1890.92	1720.03	1556.17	1144.35	1144.35	1076.05
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	944.14	791.93	679.10	580.02	470.87	391.57	322.22	247.78	199.56
45.0	1147.10	1010.74	855.07	739.78	635.03	522.66	440.15	365.24	297.94
90.0	973.99	853.14	740.08	610.57	519.21	437.69	361.84	280.91	226.07
135.0	1122.52	987.33	830.49	716.96	613.37	526.18	427.27	352.95	303.21
180.0	1017.76	890.19	766.70	628.00	533.20	448.34	371.68	304.96	304.96
225.0	829.38	713.04	607.87	493.81	413.23	341.77	264.17	214.19	163.16
270.0	935.83	812.35	700.57	574.16	481.70	408.55	323.10	306.72	306.72
315.0	848.93	729.42	596.87	505.52	403.22	330.83	269.91	206.70	166.91
360.0	944.14	791.93	679.10	580.02	470.87	391.57	322.22	247.78	199.56
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	160.29	128.93	98.84	81.35	68.88	59.75	52.03	47.64	43.60
45.0	297.94	180.37	136.42	109.03	88.31	69.70	60.16	53.31	48.34
90.0	181.65	145.37	110.43	89.31	70.93	60.75	53.61	47.17	43.60
135.0	303.21	173.64	138.82	105.28	85.68	71.51	59.69	53.37	48.63
180.0	185.69	141.68	113.77	88.31	73.27	62.68	53.96	49.22	45.53
225.0	130.91	105.75	82.28	68.65	59.28	53.02	48.40	44.24	41.49
270.0	167.43	127.52	101.95	84.21	70.58	59.05	53.02	48.63	44.42
315.0	134.95	109.38	85.27	71.51	61.51	54.43	48.69	45.24	42.60
360.0	160.29	128.93	98.84	81.35	68.88	59.75	52.03	47.64	43.60

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	41.08	38.92	36.64	35.17	33.83	32.25	31.13	30.08	29.03
45.0	44.71	41.20	38.92	37.04	34.94	33.36	31.72	30.55	29.44
90.0	40.79	38.45	36.05	34.47	33.01	31.72	30.20	29.09	28.03
135.0	45.12	41.61	39.39	37.40	35.76	33.88	32.54	31.31	30.02
180.0	42.60	40.20	37.63	35.93	34.35	32.95	31.37	30.31	28.97
225.0	39.33	36.93	35.17	33.77	32.30	31.02	30.02	28.73	27.74
270.0	41.73	39.50	37.10	35.52	34.12	32.54	31.37	30.37	29.26
315.0	39.91	38.04	36.17	34.76	33.42	32.25	30.96	29.85	28.79
360.0	41.08	38.92	36.64	35.17	33.83	32.25	31.13	30.08	29.03
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.03	26.86	25.93	24.99	23.82	23.00	22.18	21.19	20.60
45.0	28.03	27.04	26.16	25.22	24.17	23.06	22.24	21.48	20.60
90.0	26.74	25.87	24.70	23.70	22.82	22.00	21.01	20.25	19.61
135.0	28.91	27.86	26.69	25.75	24.52	23.58	22.77	22.00	21.19
180.0	27.86	26.92	25.81	24.81	23.88	22.82	22.00	21.24	20.42
225.0	26.80	25.69	24.76	23.82	23.00	22.00	21.30	20.54	19.84
270.0	28.03	27.10	26.16	25.22	24.05	23.29	22.53	21.54	20.83
315.0	27.80	26.63	25.63	24.70	23.88	22.94	22.18	21.30	20.60
360.0	28.03	26.86	25.93	24.99	23.82	23.00	22.18	21.19	20.60
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.84	19.31	18.73	18.61	19.43	20.60	21.89	23.35	24.76
45.0	19.72	19.14	18.43	17.85	17.32	16.74	16.33	15.86	15.33
90.0	19.08	18.38	17.79	17.26	16.74	16.33	15.98	15.45	15.51
135.0	20.31	19.66	19.08	18.61	17.91	17.50	17.09	16.68	16.56
180.0	19.61	19.02	18.49	18.20	18.38	18.79	19.43	20.48	21.36
225.0	19.02	18.43	17.73	17.21	16.74	16.21	15.74	15.39	15.04
270.0	20.01	19.55	19.14	18.61	18.49	18.49	18.61	18.96	19.31
315.0	20.07	19.43	19.14	19.37	20.13	21.13	22.30	23.53	25.16
360.0	19.84	19.31	18.73	18.61	19.43	20.60	21.89	23.35	24.76
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	26.10	26.16	25.75	25.28	24.70	23.76	22.30	19.55	15.33
45.0	15.04	14.69	14.40	13.99	13.75	13.52	13.28	12.99	12.76
90.0	16.04	16.85	17.79	18.55	18.67	18.02	17.09	15.74	13.34
135.0	17.15	18.02	19.02	20.31	20.66	20.01	18.96	16.39	14.16
180.0	22.36	22.65	22.59	22.12	21.54	20.72	19.90	18.67	15.39
225.0	14.57	14.22	13.87	13.58	13.28	12.99	12.70	12.29	12.06
270.0	19.90	20.31	20.72	20.83	20.37	19.37	18.20	16.85	14.63
315.0	26.98	28.15	28.56	27.39	25.98	23.64	20.54	17.62	14.69
360.0	26.10	26.16	25.75	25.28	24.70	23.76	22.30	19.55	15.33
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.64	11.70	11.47	11.18	11.06	10.53	10.01	9.77	9.54
45.0	12.64	12.52	12.35	12.17	12.23	12.00	10.12	9.83	9.71
90.0	12.17	11.76	11.70	11.70	10.59	10.24	9.89	9.77	9.60
135.0	12.82	12.29	11.94	11.70	11.18	10.36	10.18	9.89	9.89
180.0	12.52	11.35	11.06	10.83	10.48	10.12	9.95	9.77	9.71
225.0	11.82	11.53	11.29	11.00	10.18	9.95	9.77	9.66	9.54
270.0	12.70	11.82	11.59	11.47	11.41	10.53	10.07	9.77	9.66
315.0	12.70	11.88	11.65	11.53	11.76	10.42	10.01	9.71	9.60
360.0	12.64	11.70	11.47	11.18	11.06	10.53	10.01	9.77	9.54

Intensity data(cd)

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