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NT

Client:

LumCAT: 2-2687-L

Luminaire: 92.70.411.00

Report No: 2024416-B020

Ballast type: AC

Test No: 2024416-C020

Voltage(V): 33.770

LampCAT: NICHIA NFCWJ108B-V3

Current(A): 0.577

Lamp flux(lm): 2647.0

Power (W): 19.485

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2192.59, Efficiency(%): 82.83% , Luminous Efficacy(lm/W): 112.53

Central intensity(cd): 8534.834, Maximum intensity(cd): 8534.834

Angle of maximum intensity: C=0.0  $\gamma$ =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=0.43 C90\_270=0.43

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.83%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.630%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/4/16  
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	8534.834	0.000	0	0.00%	0.00%
1.0	8474.263	8.139	8.139	0.31%	0.37%
2.0	8291.673	24.064	32.203	0.91%	1.47%
3.0	8022.835	39.019	71.222	1.47%	3.25%
4.0	7646.828	52.451	123.673	1.98%	5.64%
5.0	7208.787	63.908	187.581	2.41%	8.56%
6.0	6733.365	73.270	260.851	2.77%	11.90%
7.0	6219.830	80.400	341.251	3.04%	15.56%
8.0	5726.997	85.501	426.752	3.23%	19.46%
9.0	5227.873	88.783	515.535	3.35%	23.51%
10.0	4766.424	90.445	605.98	3.42%	27.64%
11.0	4299.341	90.586	696.566	3.42%	31.77%
12.0	3906.435	89.701	786.267	3.39%	35.86%
13.0	3521.065	88.146	874.412	3.33%	39.88%
14.0	3185.146	85.839	960.251	3.24%	43.80%
15.0	2880.609	83.273	1043.525	3.15%	47.59%
16.0	2592.898	80.202	1123.727	3.03%	51.25%
17.0	2368.976	77.270	1200.997	2.92%	54.78%
18.0	2158.368	74.646	1275.643	2.82%	58.18%
19.0	1967.073	71.774	1347.417	2.71%	61.45%
20.0	1797.431	68.901	1416.318	2.60%	64.60%
21.0	1651.856	66.233	1482.551	2.50%	67.62%
22.0	1490.188	63.141	1545.692	2.39%	70.50%
23.0	1329.624	59.167	1604.859	2.24%	73.19%
24.0	1233.486	56.039	1660.898	2.12%	75.75%
25.0	1145.300	54.088	1714.986	2.04%	78.22%
26.0	1028.511	51.313	1766.299	1.94%	80.56%
27.0	909.937	47.425	1813.724	1.79%	82.72%
28.0	789.439	43.025	1856.748	1.63%	84.68%
29.0	679.944	38.443	1895.192	1.45%	86.44%
30.0	568.861	33.717	1928.909	1.27%	87.97%
31.0	467.214	28.832	1957.742	1.09%	89.29%
32.0	375.575	24.145	1981.887	0.91%	90.39%
33.0	298.962	19.872	2001.759	0.75%	91.30%
34.0	249.189	16.589	2018.347	0.63%	92.05%
35.0	199.525	13.935	2032.283	0.53%	92.69%
36.0	148.962	11.096	2043.379	0.42%	93.19%
37.0	123.453	8.885	2052.263	0.34%	93.60%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	110.154	7.797	2060.061	0.29%	93.96%
39.0	98.574	7.124	2067.185	0.27%	94.28%
40.0	88.069	6.509	2073.695	0.25%	94.58%
41.0	78.888	5.945	2079.64	0.22%	94.85%
42.0	70.783	5.438	2085.078	0.21%	95.10%
43.0	64.031	4.994	2090.072	0.19%	95.32%
44.0	57.762	4.597	2094.668	0.17%	95.53%
45.0	52.480	4.237	2098.905	0.16%	95.73%
46.0	47.930	3.927	2102.832	0.15%	95.91%
47.0	44.038	3.658	2106.49	0.14%	96.07%
48.0	40.541	3.419	2109.909	0.13%	96.23%
49.0	37.367	3.199	2113.108	0.12%	96.38%
50.0	34.821	3.010	2116.118	0.11%	96.51%
51.0	32.590	2.852	2118.97	0.11%	96.64%
52.0	30.783	2.719	2121.689	0.10%	96.77%
53.0	29.078	2.604	2124.293	0.10%	96.89%
54.0	27.784	2.506	2126.8	0.09%	97.00%
55.0	26.642	2.429	2129.229	0.09%	97.11%
56.0	25.655	2.363	2131.592	0.09%	97.22%
57.0	24.843	2.309	2133.901	0.09%	97.32%
58.0	24.199	2.268	2136.169	0.09%	97.43%
59.0	23.672	2.238	2138.407	0.08%	97.53%
60.0	23.314	2.220	2140.627	0.08%	97.63%
61.0	22.970	2.209	2142.836	0.08%	97.73%
62.0	22.612	2.196	2145.032	0.08%	97.83%
63.0	22.107	2.175	2147.207	0.08%	97.93%
64.0	21.288	2.129	2149.336	0.08%	98.03%
65.0	20.402	2.063	2151.399	0.08%	98.12%
66.0	19.547	1.993	2153.393	0.08%	98.21%
67.0	18.932	1.935	2155.327	0.07%	98.30%
68.0	18.603	1.901	2157.229	0.07%	98.39%
69.0	18.493	1.892	2159.121	0.07%	98.47%
70.0	18.596	1.905	2161.026	0.07%	98.56%
71.0	18.903	1.938	2162.964	0.07%	98.65%
72.0	19.342	1.989	2164.953	0.08%	98.74%
73.0	19.649	2.039	2166.992	0.08%	98.83%
74.0	19.861	2.077	2169.069	0.08%	98.93%
75.0	19.883	2.100	2171.169	0.08%	99.02%

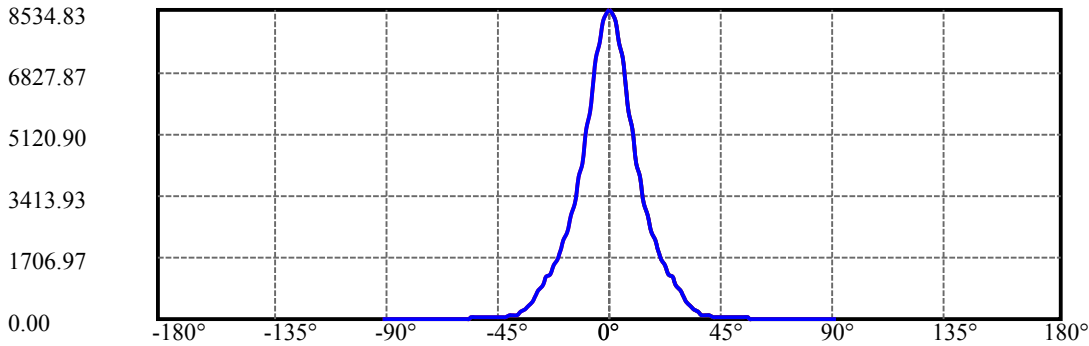
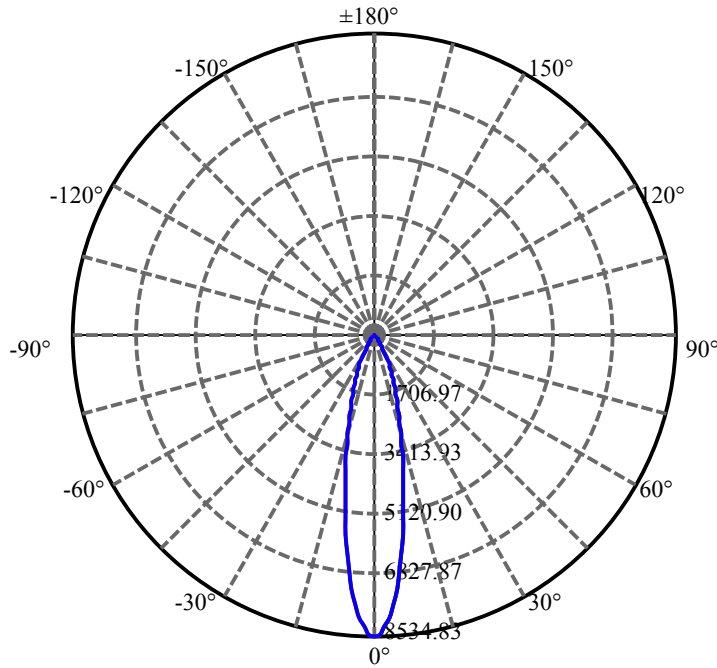
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	19.400	2.085	2173.254	0.08%	99.12%
77.0	18.493	2.020	2175.274	0.08%	99.21%
78.0	17.418	1.922	2177.197	0.07%	99.30%
79.0	16.079	1.800	2178.996	0.07%	99.38%
80.0	14.484	1.648	2180.644	0.06%	99.46%
81.0	12.846	1.478	2182.122	0.06%	99.52%
82.0	11.931	1.344	2183.466	0.05%	99.58%
83.0	11.522	1.275	2184.741	0.05%	99.64%
84.0	11.266	1.241	2185.982	0.05%	99.70%
85.0	10.973	1.214	2187.196	0.05%	99.75%
86.0	10.249	1.160	2188.356	0.04%	99.81%
87.0	9.810	1.098	2189.454	0.04%	99.86%
88.0	9.539	1.060	2190.514	0.04%	99.91%
89.0	9.444	1.041	2191.554	0.04%	99.95%
90.0	9.386	1.032	2192.586	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1928.91	72.87%	87.97%
0-40	2073.69	78.34%	94.58%
0-60	2140.63	80.87%	97.63%
0-90	2191.55	82.79%	99.95%
0-120	2191.55	82.79%	99.95%
0-180	2192.59	82.83%	100.00%
60-90	50.93	1.92%	2.32%
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%
0-25.76	1754.07	66.27%	80.00%

ZONAL LUMEN SUMMARY

0-10	605.98
10-20	810.34
20-30	512.59
30-40	144.79
40-50	42.42
50-60	24.51
60-70	20.40
70-80	19.62
80-90	10.91
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: ———

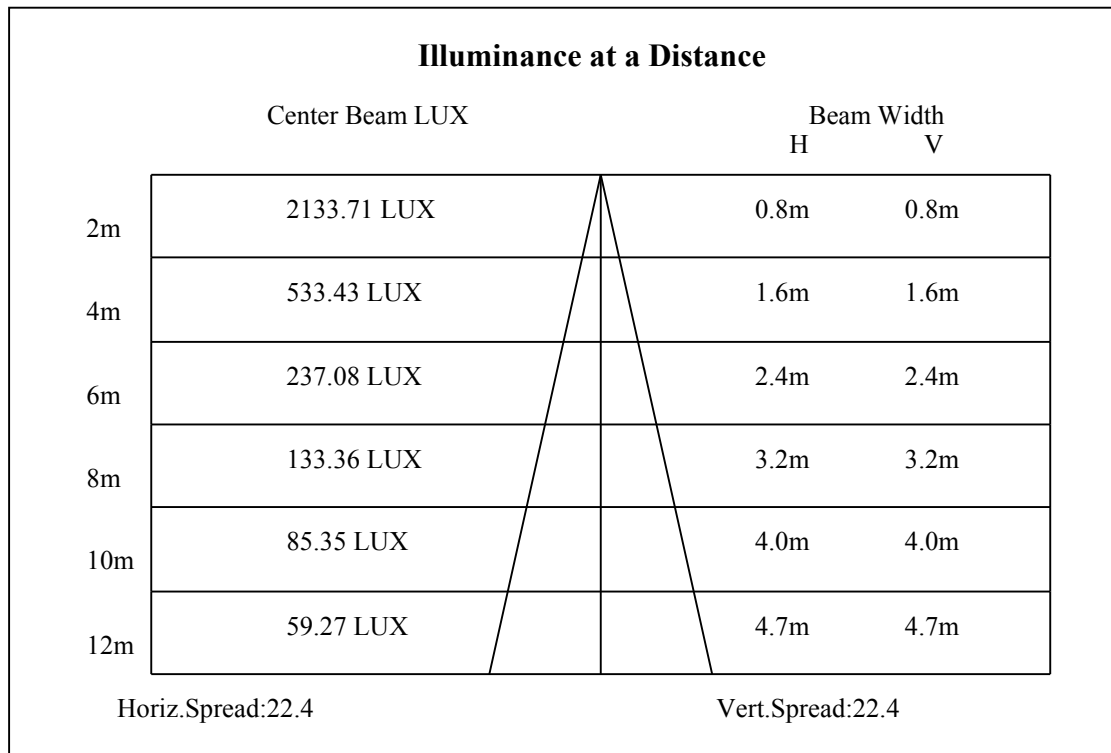
C90/C270: ———

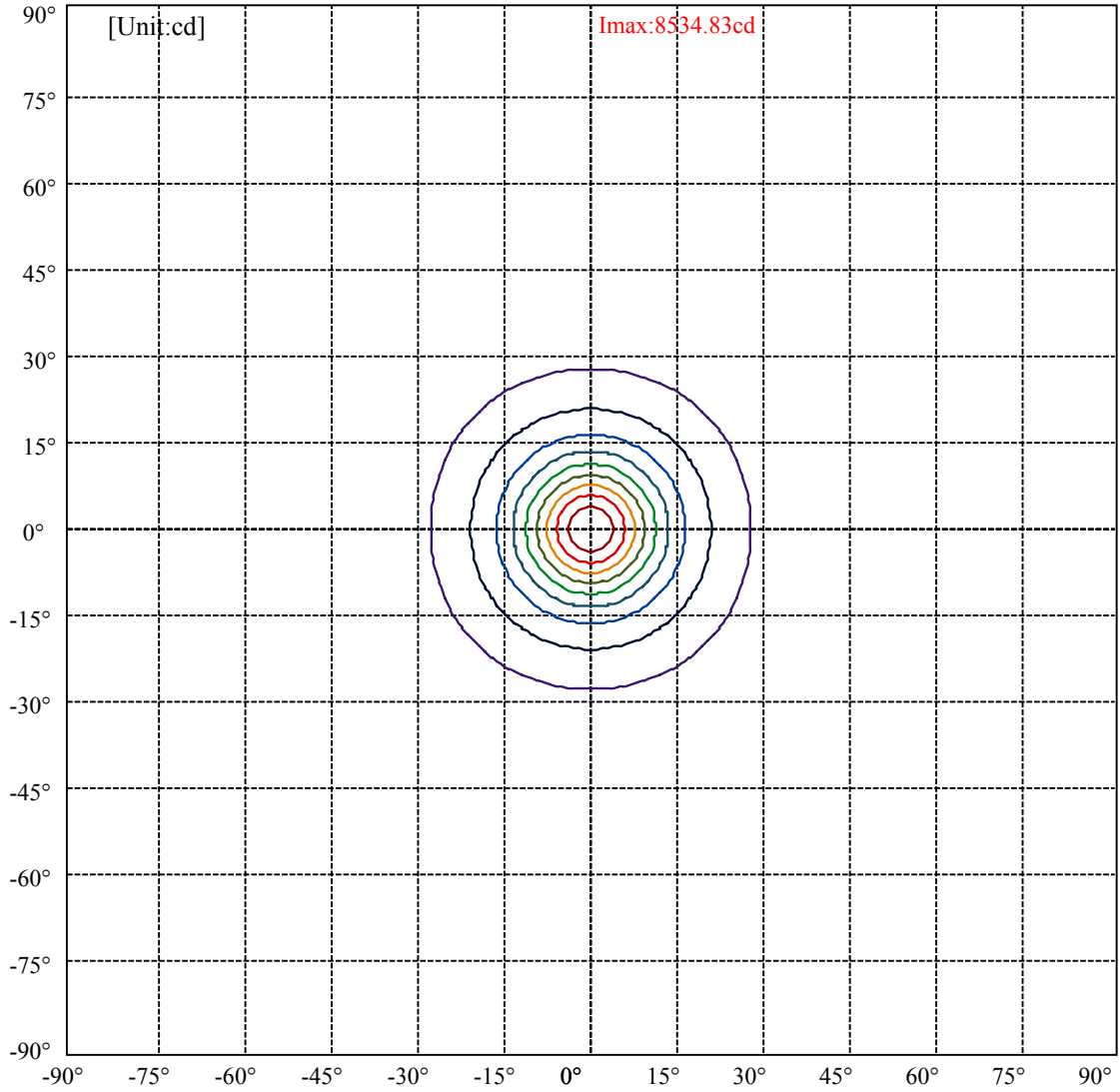
Field angle(10%Imax):C0/180Left:27.5 Right:27.5

:C90/270Left:27.5 Right:27.5

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

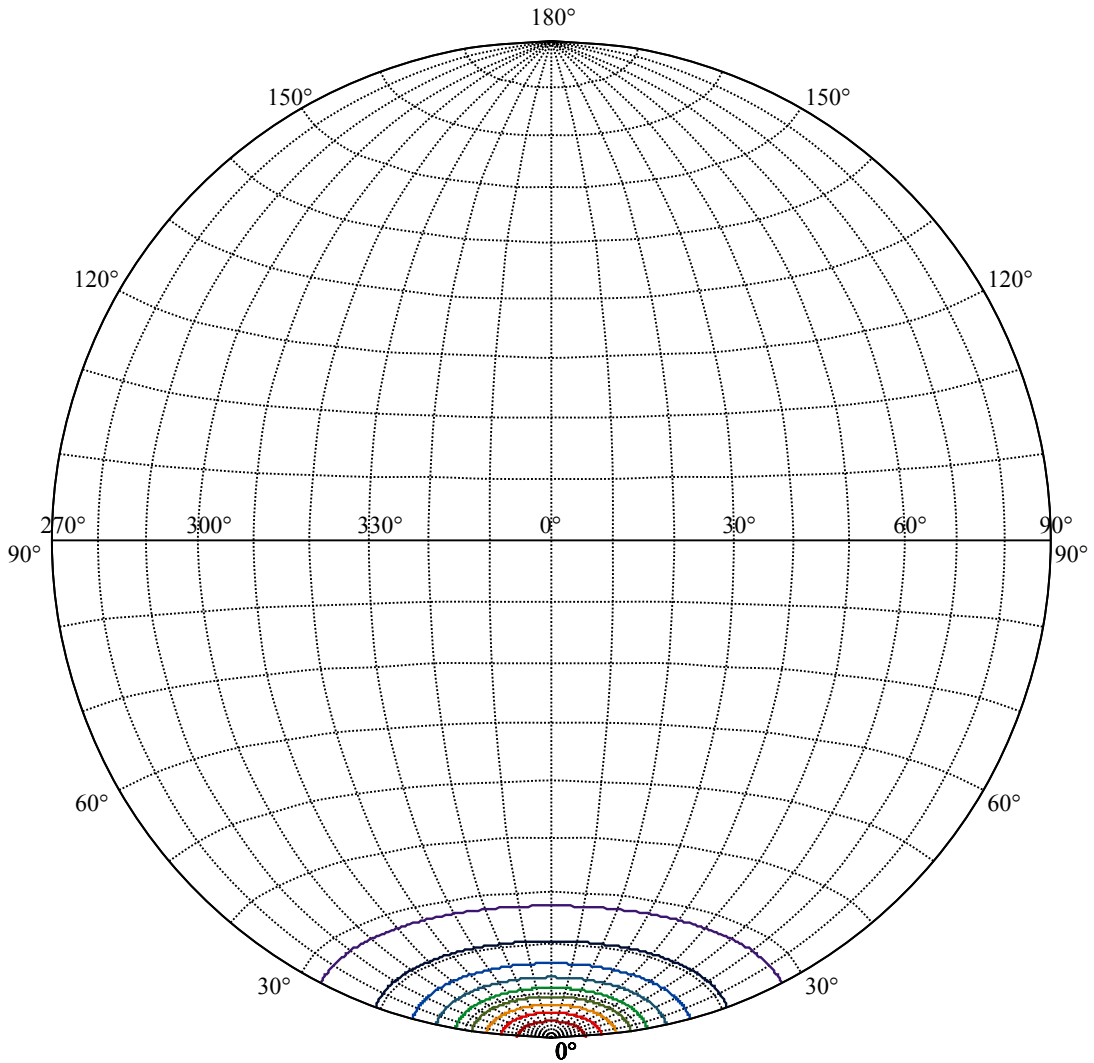
:C90/270Left:11.1 Right:11.1





(10%Imax) 853.483	—
(20%Imax) 1706.97	—
(30%Imax) 2560.45	—
(40%Imax) 3413.93	—
(50%Imax) 4267.42	—
(60%Imax) 5120.9	—
(70%Imax) 5974.38	—
(80%Imax) 6827.87	—
(90%Imax) 7681.35	—





House

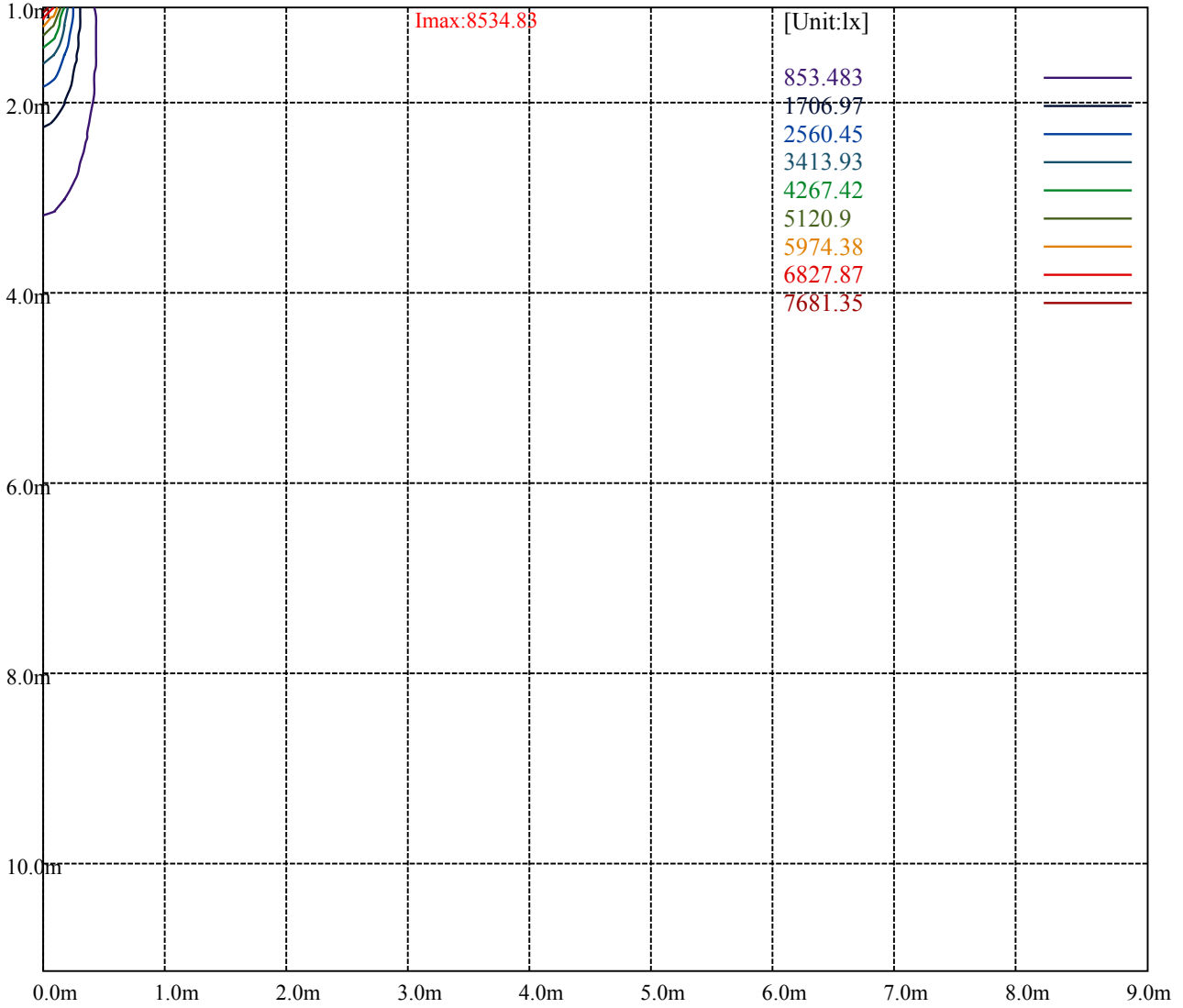
[Unit:cd]

Road

**Imax:8534.83**

(10%Imax)	853.483	—
(20%Imax)	1706.97	—
(30%Imax)	2560.45	—
(40%Imax)	3413.93	—
(50%Imax)	4267.42	—
(60%Imax)	5120.9	—
(70%Imax)	5974.38	—
(80%Imax)	6827.87	—
(90%Imax)	7681.35	—





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

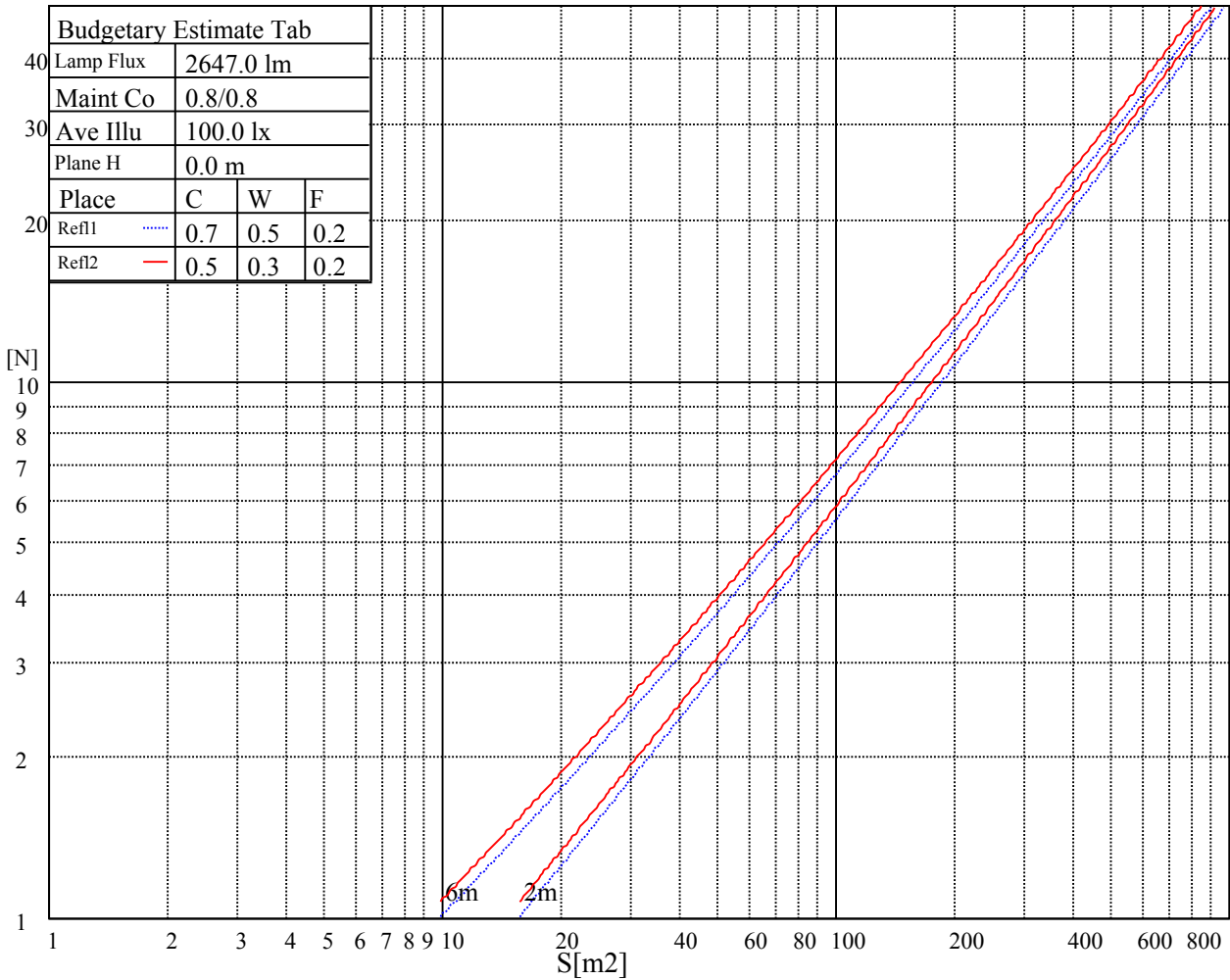
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

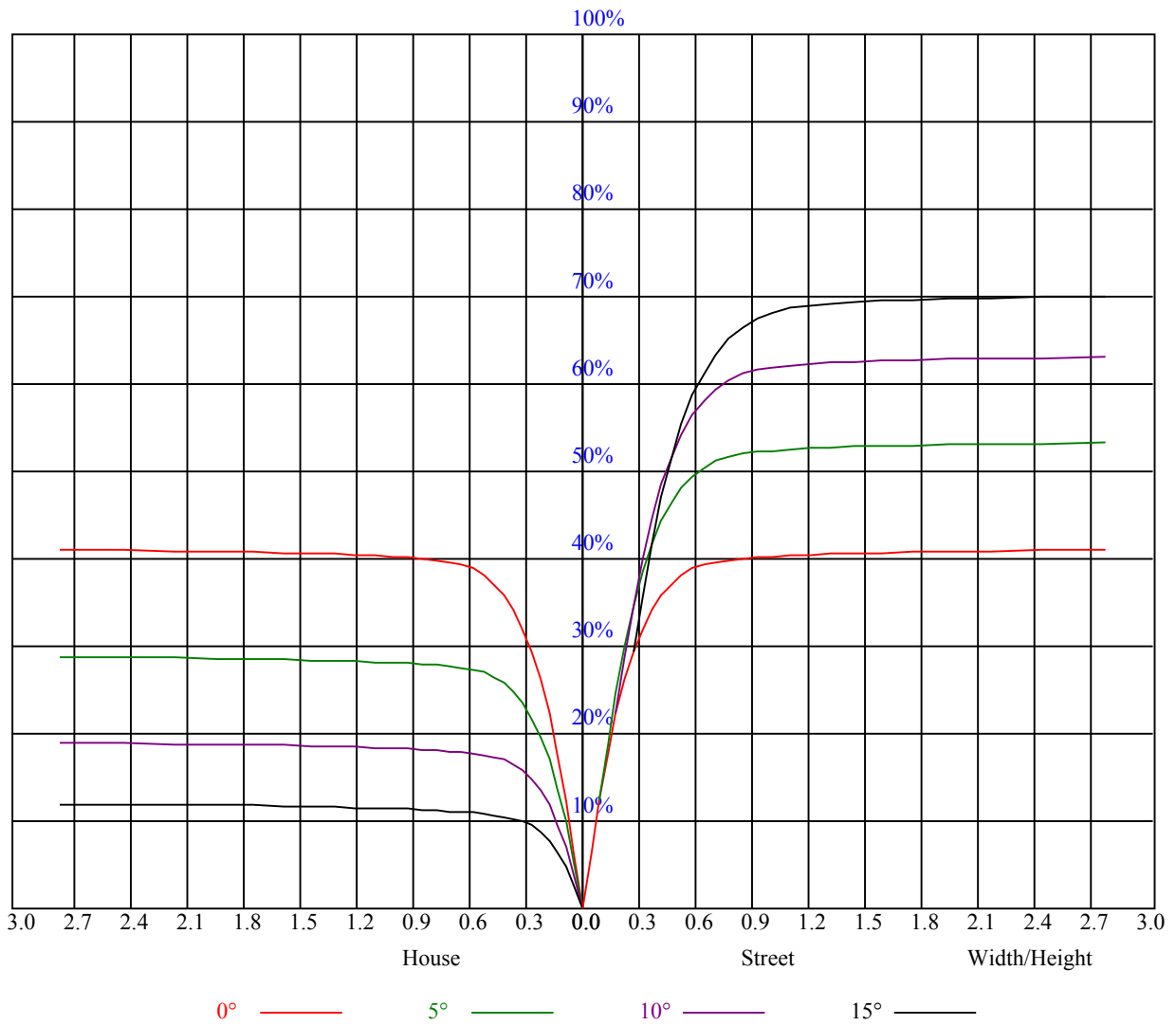


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

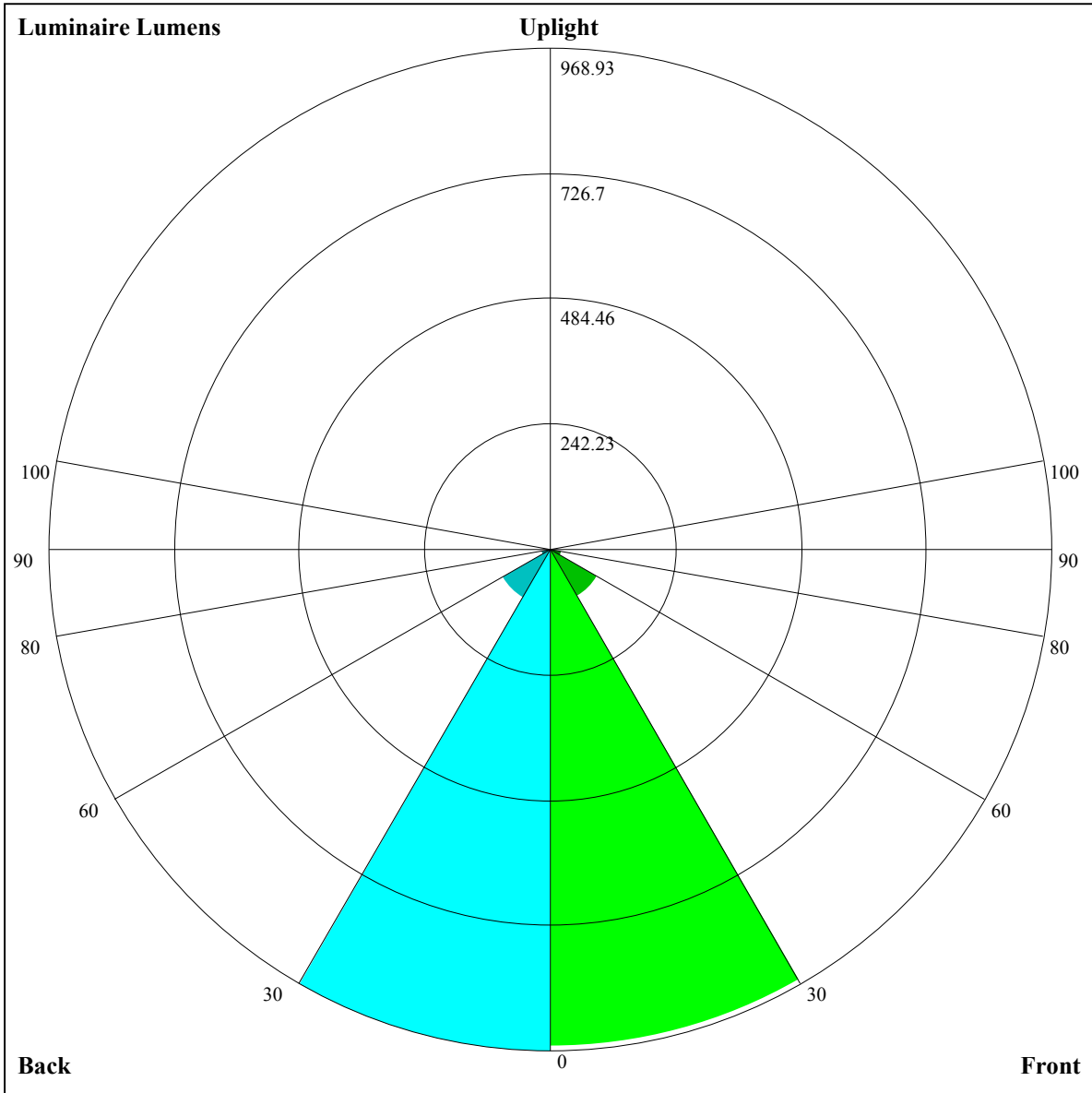
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	0.99	0.99	0.99	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.85	0.85	0.85	0.83
1	0.92	0.91	0.89	0.91	0.89	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.78
2	0.87	0.84	0.82	0.86	0.83	0.81	0.83	0.81	0.79	0.81	0.79	0.77	0.79	0.77	0.76	0.75
3	0.83	0.79	0.76	0.82	0.78	0.76	0.79	0.77	0.75	0.78	0.75	0.73	0.76	0.74	0.72	0.71
4	0.79	0.75	0.72	0.78	0.74	0.72	0.76	0.73	0.71	0.75	0.72	0.70	0.73	0.71	0.69	0.68
5	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
6	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.66	0.64	0.63
7	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.60
8	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58
9	0.64	0.60	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.56
10	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.60	0.57	0.55	0.60	0.57	0.55	0.54







Luminaire Lumens:

FL=960.32,FM=105.86,FH=20.65,FVH=6.08

BL=968.93,BM=107.88,BH=19.53,BVH=6.04

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	8560.73	8460.07	8214.86	7892.40	7396.72	6957.21	6503.66	6037.82	5463.72
45.0	8512.74	8584.72	8550.78	8369.95	8112.45	7761.31	7361.02	6791.59	6324.59
90.0	8575.36	8568.34	8400.38	8165.12	7831.54	7423.64	6870.01	6394.81	5925.46
135.0	8490.50	8564.83	8524.45	8361.17	8100.74	7763.65	7353.41	6793.35	6343.31
180.0	8560.73	8559.56	8402.72	8173.90	7852.02	7362.19	6918.59	6442.80	5978.13
225.0	8512.74	8289.77	8011.79	7649.53	7107.03	6643.53	6039.58	5570.82	5105.56
270.0	8575.36	8494.60	8264.61	7977.26	7598.03	7153.85	6698.54	6085.81	5616.46
315.0	8490.50	8272.21	7963.80	7593.35	7176.09	6604.91	6122.10	5641.63	5058.74
360.0	8560.73	8460.07	8214.86	7892.40	7396.72	6957.21	6503.66	6037.82	5463.72
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5014.27	4583.54	4173.30	3801.09	3370.37	3068.39	2799.77	2498.97	2285.95
45.0	5864.60	5407.54	4851.57	4431.97	3945.65	3582.81	3248.64	2882.29	2620.11
90.0	5345.50	4894.88	4361.74	3976.08	3607.97	3271.47	2903.36	2639.42	2409.43
135.0	5863.43	5294.59	4850.99	4327.21	3944.48	3580.47	3248.06	2875.85	2609.58
180.0	5402.86	4948.72	4510.39	4109.51	3653.03	3313.02	3006.36	2671.03	2438.69
225.0	4661.38	4161.01	3788.22	3450.55	3136.86	2795.09	2554.57	2339.20	2143.15
270.0	5053.48	4624.51	4110.68	3740.23	3403.73	3097.07	2750.62	2514.19	2310.53
315.0	4617.48	4216.60	3747.84	3414.85	3106.43	2772.85	2533.50	2322.23	2134.37
360.0	5014.27	4583.54	4173.30	3801.09	3370.37	3068.39	2799.77	2498.97	2285.95
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2061.22	1899.11	1754.56	1616.45	1450.25	1157.63	1157.63	1132.35	996.93
45.0	2395.97	2202.26	1984.56	1830.64	1687.85	1555.59	1395.23	1290.48	1191.58
90.0	2208.70	1990.41	1834.15	1687.26	1543.30	1381.19	1144.35	1144.35	1037.31
135.0	2385.44	2184.70	1967.00	1811.92	1666.78	1524.57	1366.56	1260.05	1129.54
180.0	2238.54	1996.26	1838.25	1665.61	1517.55	1375.92	1276.43	1141.83	1034.74
225.0	1927.20	1774.46	1595.38	1461.95	1274.68	1141.36	1118.25	1012.61	900.49
270.0	2124.43	1907.89	1762.17	1631.08	1488.87	1337.30	1246.00	1144.76	1014.25
315.0	1925.45	1781.48	1643.37	1509.94	1292.24	1163.43	1163.43	1035.97	923.25
360.0	2061.22	1899.11	1754.56	1616.45	1450.25	1157.63	1157.63	1132.35	996.93
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	881.11	772.15	669.44	545.78	455.13	353.36	276.93	210.39	152.86
45.0	1085.65	942.86	828.15	695.31	592.31	496.33	386.89	307.30	307.30
90.0	924.89	784.61	678.39	574.81	480.29	369.39	290.62	221.51	172.06
135.0	1017.76	901.89	764.95	659.61	562.46	470.58	367.58	310.23	310.23
180.0	918.28	811.77	709.35	580.02	484.62	389.23	314.91	296.18	212.79
225.0	766.76	660.60	558.07	464.08	359.56	284.19	219.52	164.16	139.52
270.0	897.79	760.27	653.75	550.17	430.78	346.51	307.30	307.30	162.99
315.0	787.24	681.38	577.44	481.11	372.55	295.01	227.95	176.45	138.46
360.0	881.11	772.15	669.44	545.78	455.13	353.36	276.93	210.39	152.86
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	128.75	114.35	99.96	90.07	81.58	74.03	65.78	60.04	55.07
45.0	222.33	138.41	121.55	108.38	97.50	85.62	77.13	69.76	61.92
90.0	138.87	123.95	111.60	98.20	88.78	78.19	70.93	64.49	57.47
135.0	172.70	140.28	125.53	112.71	99.25	89.95	81.35	71.98	65.60
180.0	145.37	128.40	113.77	102.71	92.64	84.16	74.21	67.07	61.16
225.0	125.18	109.96	99.31	89.60	78.60	70.99	64.37	58.46	52.09
270.0	136.06	122.31	110.26	99.49	87.32	78.60	69.29	62.79	57.18
315.0	122.43	109.96	99.25	87.43	78.89	69.58	63.20	57.64	51.62
360.0	128.75	114.35	99.96	90.07	81.58	74.03	65.78	60.04	55.07

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	50.50	45.53	42.08	39.21	35.93	33.71	31.43	29.96	28.62
45.0	56.53	51.68	46.35	42.72	39.56	35.99	33.65	31.72	29.67
90.0	52.49	48.11	44.24	40.91	37.22	34.65	32.48	30.67	28.79
135.0	58.46	53.72	49.22	45.30	41.02	38.04	35.46	33.42	31.19
180.0	55.71	49.92	45.88	42.43	38.68	36.05	33.83	31.37	29.67
225.0	47.70	43.89	40.67	37.04	34.65	32.60	30.31	28.79	27.21
270.0	50.97	46.76	43.13	39.27	36.58	34.24	32.30	30.55	28.79
315.0	47.46	43.83	40.73	37.45	35.29	33.30	31.25	29.79	28.68
360.0	50.50	45.53	42.08	39.21	35.93	33.71	31.43	29.96	28.62
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.51	26.34	25.52	24.87	24.23	23.82	23.58	23.35	22.94
45.0	28.27	27.15	26.10	25.11	24.40	23.82	23.35	23.00	22.82
90.0	27.51	26.22	25.28	24.52	23.76	23.23	22.88	22.65	22.30
135.0	29.79	28.50	27.10	26.10	25.34	24.46	23.94	23.53	23.23
180.0	27.97	26.74	25.69	24.81	24.05	23.29	22.88	22.59	22.18
225.0	26.10	25.16	24.23	23.64	23.17	22.88	22.47	22.06	21.65
270.0	27.56	26.51	25.46	24.64	23.94	23.53	23.29	23.00	22.59
315.0	27.56	26.51	25.87	25.05	24.70	24.35	24.11	23.58	23.17
360.0	27.51	26.34	25.52	24.87	24.23	23.82	23.58	23.35	22.94
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.36	21.42	20.31	20.13	20.13	20.78	21.59	22.53	23.58
45.0	22.41	21.95	21.30	20.07	19.20	18.26	17.44	16.68	16.04
90.0	22.00	21.54	20.37	19.43	18.61	17.73	16.91	16.39	16.44
135.0	22.71	22.36	21.77	20.54	19.78	18.96	18.14	17.44	16.97
180.0	21.65	21.01	19.84	19.02	18.20	17.79	18.14	18.79	19.61
225.0	20.95	19.61	18.79	17.85	16.97	16.33	15.80	15.27	14.92
270.0	22.24	21.24	20.31	19.55	19.08	19.20	19.66	20.42	21.48
315.0	22.53	21.19	20.54	19.78	19.49	19.78	20.25	21.24	22.18
360.0	22.36	21.42	20.31	20.13	20.13	20.78	21.59	22.53	23.58
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	24.17	24.11	23.64	23.12	22.24	21.54	20.83	18.26	14.98
45.0	15.57	15.16	14.75	14.46	14.16	13.75	13.46	13.17	12.64
90.0	17.21	18.02	19.14	19.66	19.43	18.43	17.79	17.03	15.45
135.0	17.09	17.97	18.79	19.55	19.84	19.90	19.55	18.73	17.67
180.0	20.01	19.96	19.61	19.02	18.38	17.85	17.38	16.62	15.10
225.0	14.57	14.22	13.87	13.64	13.28	12.87	12.64	12.35	11.88
270.0	22.65	23.53	24.40	24.70	23.82	22.12	18.96	16.62	14.51
315.0	23.47	24.23	24.70	24.93	24.05	21.48	18.73	15.86	13.64
360.0	24.17	24.11	23.64	23.12	22.24	21.54	20.83	18.26	14.98
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.47	11.59	11.18	10.89	10.65	10.30	9.77	9.60	9.25
45.0	12.35	12.06	11.70	11.53	11.29	11.18	10.07	9.71	9.48
90.0	13.23	11.76	11.53	11.29	10.53	10.18	9.83	9.54	9.54
135.0	15.63	13.23	11.76	11.24	10.83	10.42	10.07	9.77	9.54
180.0	12.76	11.41	10.94	10.71	10.30	9.95	9.71	9.54	9.42
225.0	11.47	11.29	11.24	10.59	10.01	9.60	9.48	9.25	9.48
270.0	12.47	12.17	12.06	11.94	12.00	10.30	9.83	9.60	9.36
315.0	12.41	11.94	11.76	11.94	12.17	10.07	9.71	9.31	9.48
360.0	12.47	11.59	11.18	10.89	10.65	10.30	9.77	9.60	9.25

Intensity data(cd)

C/γ(°)	90.0
0.0	9.42
45.0	9.36
90.0	9.31
135.0	9.42
180.0	9.36
225.0	9.36
270.0	9.42
315.0	9.42
360.0	9.42