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NT

Client:

LumCAT: 3-2807-L

Luminaire: 92.70.411.00

Report No: 2024418-B030

Ballast type: AC

Test No: 2024418-C030

Voltage(V): 33.590

LampCAT: NICHIA NFCWJ120B-V3

Current(A): 0.576

Lamp flux(lm): 2726.0

Power (W): 0.000

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2287.22, Efficiency(%): 83.90% , Luminous Efficacy(lm/W): 0.00

Central intensity(cd): 5190.419, Maximum intensity(cd): 5190.419

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

Beam Angle(50%Imax): [C0/180]Total=35.6

[C90/270]Total=35.6

Field angle(10%Imax): [C0/180]Total=64.8

[C90/270]Total=64.8

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

Maximum s/h(1/4): C0\_180=0.60 C90\_270=0.60

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.90%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.554%

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	5190.419	0.000	0	0.00%	0.00%
1.0	5182.153	4.963	4.963	0.18%	0.22%
2.0	5157.939	14.841	19.804	0.54%	0.87%
3.0	5120.704	24.583	44.387	0.90%	1.94%
4.0	5072.862	34.121	78.508	1.25%	3.43%
5.0	4993.198	43.304	121.812	1.59%	5.33%
6.0	4904.902	52.017	173.829	1.91%	7.60%
7.0	4786.102	60.152	233.981	2.21%	10.23%
8.0	4635.772	67.431	301.412	2.47%	13.18%
9.0	4466.276	73.767	375.179	2.71%	16.40%
10.0	4273.079	79.088	454.267	2.90%	19.86%
11.0	4086.465	83.529	537.796	3.06%	23.51%
12.0	3868.396	86.958	624.754	3.19%	27.31%
13.0	3647.034	89.189	713.943	3.27%	31.21%
14.0	3424.649	90.517	804.46	3.32%	35.17%
15.0	3211.773	91.108	895.568	3.34%	39.16%
16.0	2994.509	90.939	986.507	3.34%	43.13%
17.0	2764.369	89.681	1076.188	3.29%	47.05%
18.0	2553.834	87.686	1163.874	3.22%	50.89%
19.0	2345.640	85.241	1249.115	3.13%	54.61%
20.0	2159.685	82.460	1331.575	3.02%	58.22%
21.0	1972.559	79.347	1410.922	2.91%	61.69%
22.0	1795.968	75.730	1486.652	2.78%	65.00%
23.0	1644.102	72.182	1558.834	2.65%	68.15%
24.0	1480.612	68.317	1627.152	2.51%	71.14%
25.0	1299.602	63.216	1690.368	2.32%	73.90%
26.0	1205.483	59.133	1749.501	2.17%	76.49%
27.0	1113.427	56.733	1806.233	2.08%	78.97%
28.0	1014.122	53.865	1860.098	1.98%	81.33%
29.0	906.140	50.239	1910.338	1.84%	83.52%
30.0	785.899	45.685	1956.022	1.68%	85.52%
31.0	671.224	40.550	1996.572	1.49%	87.29%
32.0	557.273	35.195	2031.767	1.29%	88.83%
33.0	450.514	29.690	2061.457	1.09%	90.13%
34.0	350.769	24.249	2085.706	0.89%	91.19%
35.0	271.676	19.331	2105.037	0.71%	92.03%
36.0	230.857	16.001	2121.038	0.59%	92.73%
37.0	151.624	12.474	2133.512	0.46%	93.28%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	100.293	8.409	2141.921	0.31%	93.65%
39.0	88.003	6.427	2148.348	0.24%	93.93%
40.0	80.505	5.877	2154.225	0.22%	94.19%
41.0	73.614	5.488	2159.713	0.20%	94.43%
42.0	68.340	5.157	2164.87	0.19%	94.65%
43.0	63.694	4.891	2169.761	0.18%	94.86%
44.0	59.803	4.661	2174.422	0.17%	95.07%
45.0	56.394	4.466	2178.888	0.16%	95.26%
46.0	53.065	4.281	2183.169	0.16%	95.45%
47.0	50.388	4.115	2187.283	0.15%	95.63%
48.0	48.062	3.980	2191.263	0.15%	95.80%
49.0	46.050	3.865	2195.128	0.14%	95.97%
50.0	43.972	3.753	2198.881	0.14%	96.14%
51.0	42.304	3.650	2202.531	0.13%	96.30%
52.0	40.732	3.563	2206.094	0.13%	96.45%
53.0	39.269	3.480	2209.574	0.13%	96.61%
54.0	37.849	3.399	2212.974	0.12%	96.75%
55.0	36.299	3.310	2216.283	0.12%	96.90%
56.0	34.806	3.213	2219.496	0.12%	97.04%
57.0	33.292	3.114	2222.61	0.11%	97.18%
58.0	31.624	3.002	2225.612	0.11%	97.31%
59.0	30.073	2.884	2228.496	0.11%	97.43%
60.0	28.661	2.775	2231.271	0.10%	97.55%
61.0	27.264	2.669	2233.94	0.10%	97.67%
62.0	25.801	2.557	2236.497	0.09%	97.78%
63.0	24.558	2.449	2238.946	0.09%	97.89%
64.0	23.365	2.352	2241.298	0.09%	97.99%
65.0	22.312	2.261	2243.558	0.08%	98.09%
66.0	21.514	2.187	2245.745	0.08%	98.19%
67.0	20.849	2.130	2247.875	0.08%	98.28%
68.0	20.234	2.081	2249.956	0.08%	98.37%
69.0	19.854	2.045	2252.001	0.08%	98.46%
70.0	19.627	2.028	2254.029	0.07%	98.55%
71.0	19.568	2.026	2256.055	0.07%	98.64%
72.0	19.744	2.044	2258.099	0.07%	98.73%
73.0	20.029	2.080	2260.179	0.08%	98.82%
74.0	20.300	2.120	2262.299	0.08%	98.91%
75.0	20.322	2.146	2264.445	0.08%	99.00%

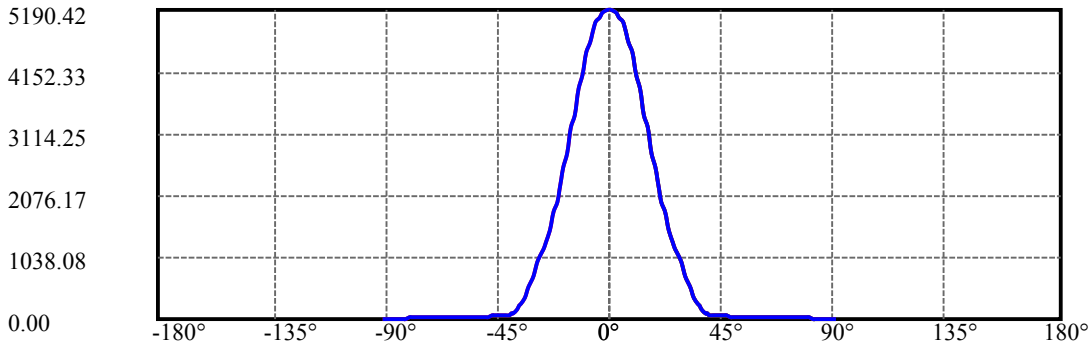
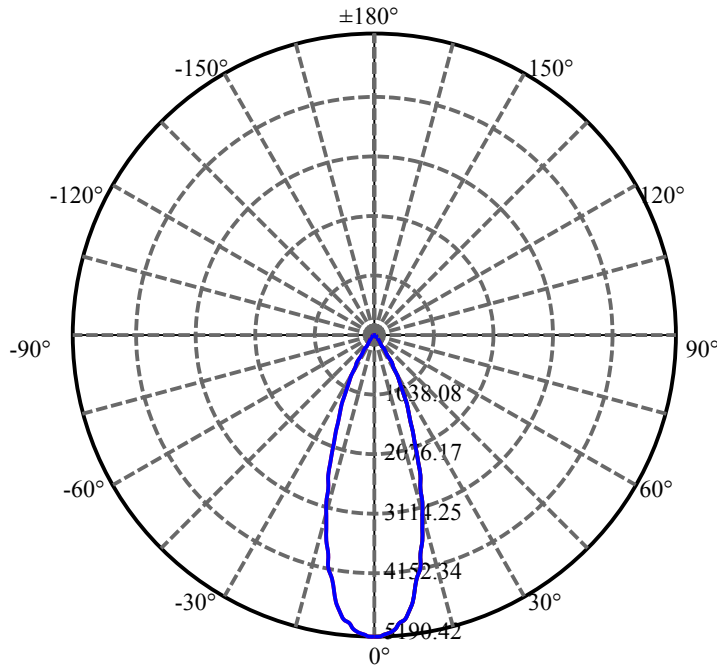
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.029	2.142	2266.587	0.08%	99.10%
77.0	19.510	2.108	2268.695	0.08%	99.19%
78.0	18.837	2.053	2270.748	0.08%	99.28%
79.0	17.871	1.972	2272.72	0.07%	99.37%
80.0	16.650	1.861	2274.582	0.07%	99.45%
81.0	14.850	1.703	2276.285	0.06%	99.52%
82.0	12.868	1.503	2277.788	0.06%	99.59%
83.0	11.895	1.346	2279.134	0.05%	99.65%
84.0	11.427	1.270	2280.405	0.05%	99.70%
85.0	10.980	1.223	2281.628	0.04%	99.76%
86.0	10.527	1.176	2282.803	0.04%	99.81%
87.0	10.212	1.135	2283.938	0.04%	99.86%
88.0	10.037	1.109	2285.047	0.04%	99.90%
89.0	9.912	1.093	2286.141	0.04%	99.95%
90.0	9.824	1.082	2287.223	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1956.02	71.75%	85.52%
0-40	2154.22	79.03%	94.19%
0-60	2231.27	81.85%	97.55%
0-90	2286.14	83.86%	99.95%
0-120	2286.14	83.86%	99.95%
0-180	2287.22	83.90%	100.00%
60-90	54.87	2.01%	2.40%
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%
0-27.44	1829.78	67.12%	80.00%

ZONAL LUMEN SUMMARY

0-10	454.27
10-20	877.31
20-30	624.45
30-40	198.20
40-50	44.66
50-60	32.39
60-70	22.76
70-80	20.55
80-90	11.56
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



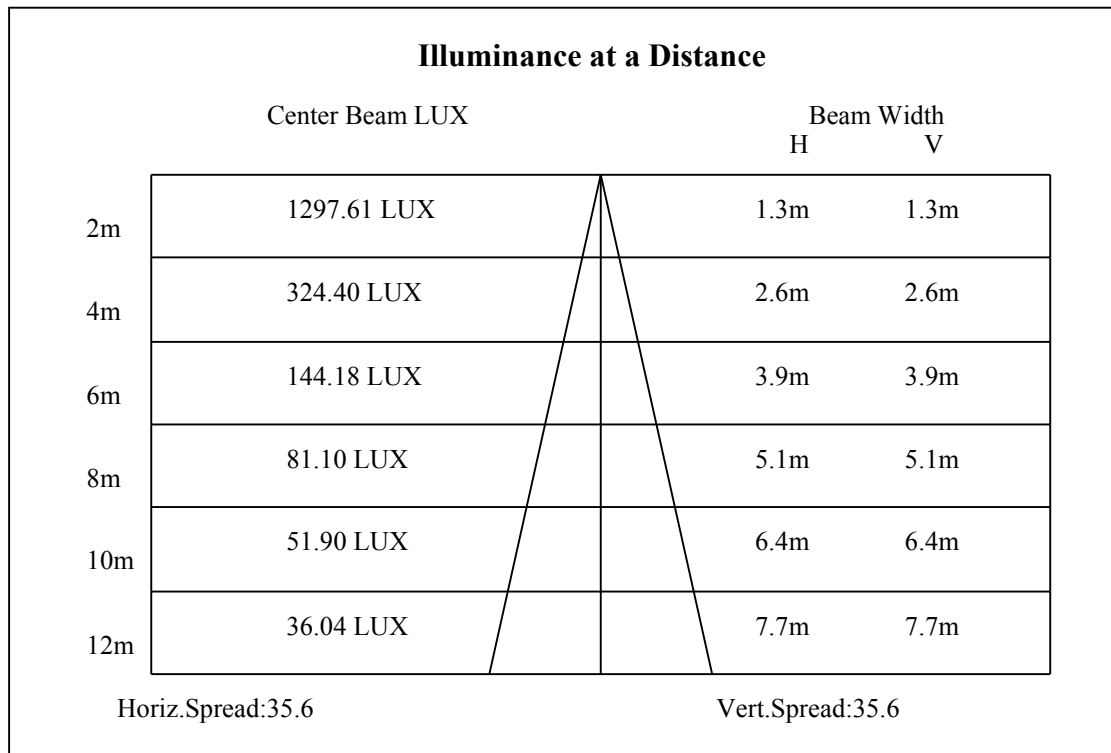
C0(Max): —————

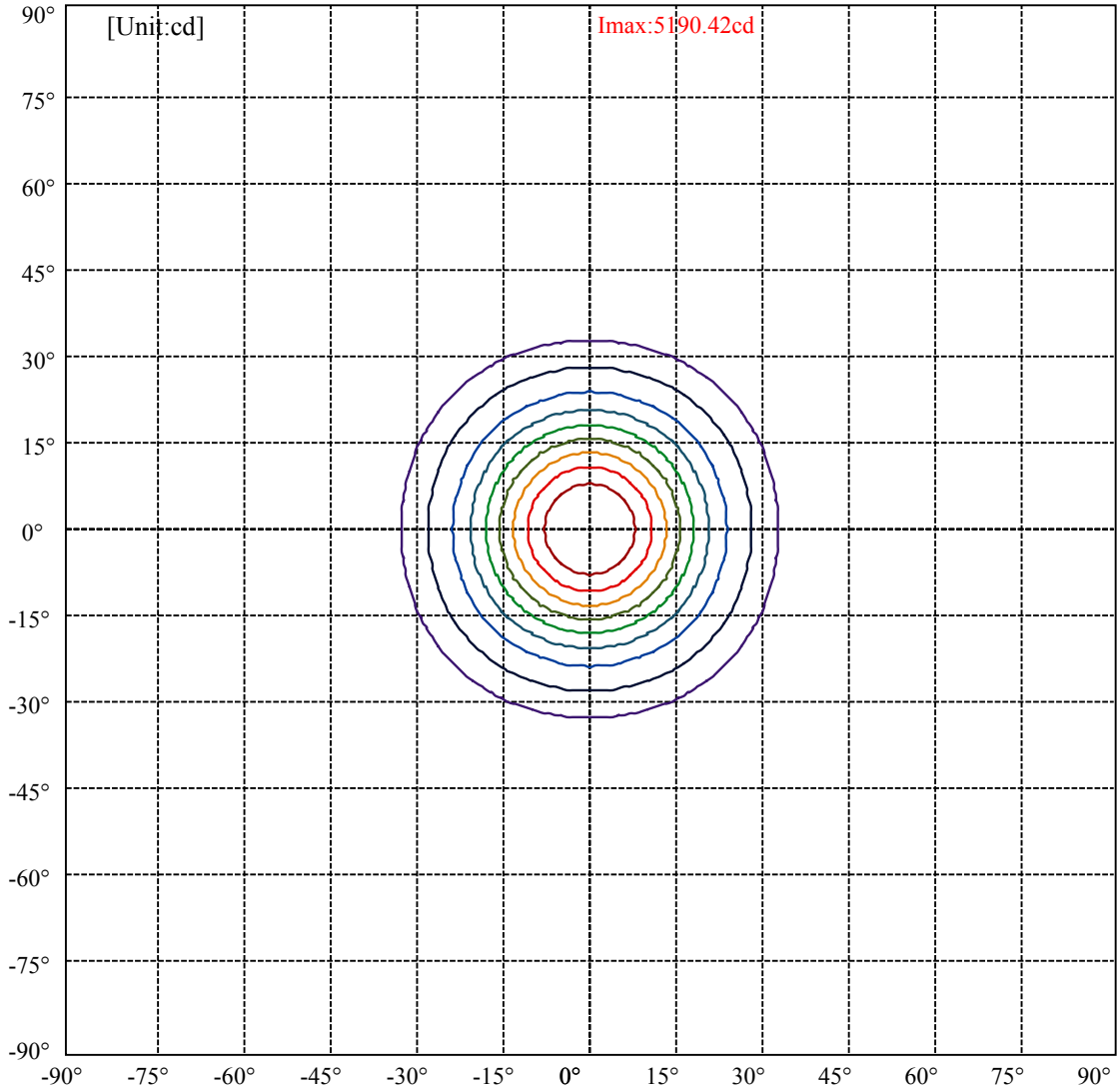
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:32.4 Right:32.4  
:C90/270Left:32.4 Right:32.4

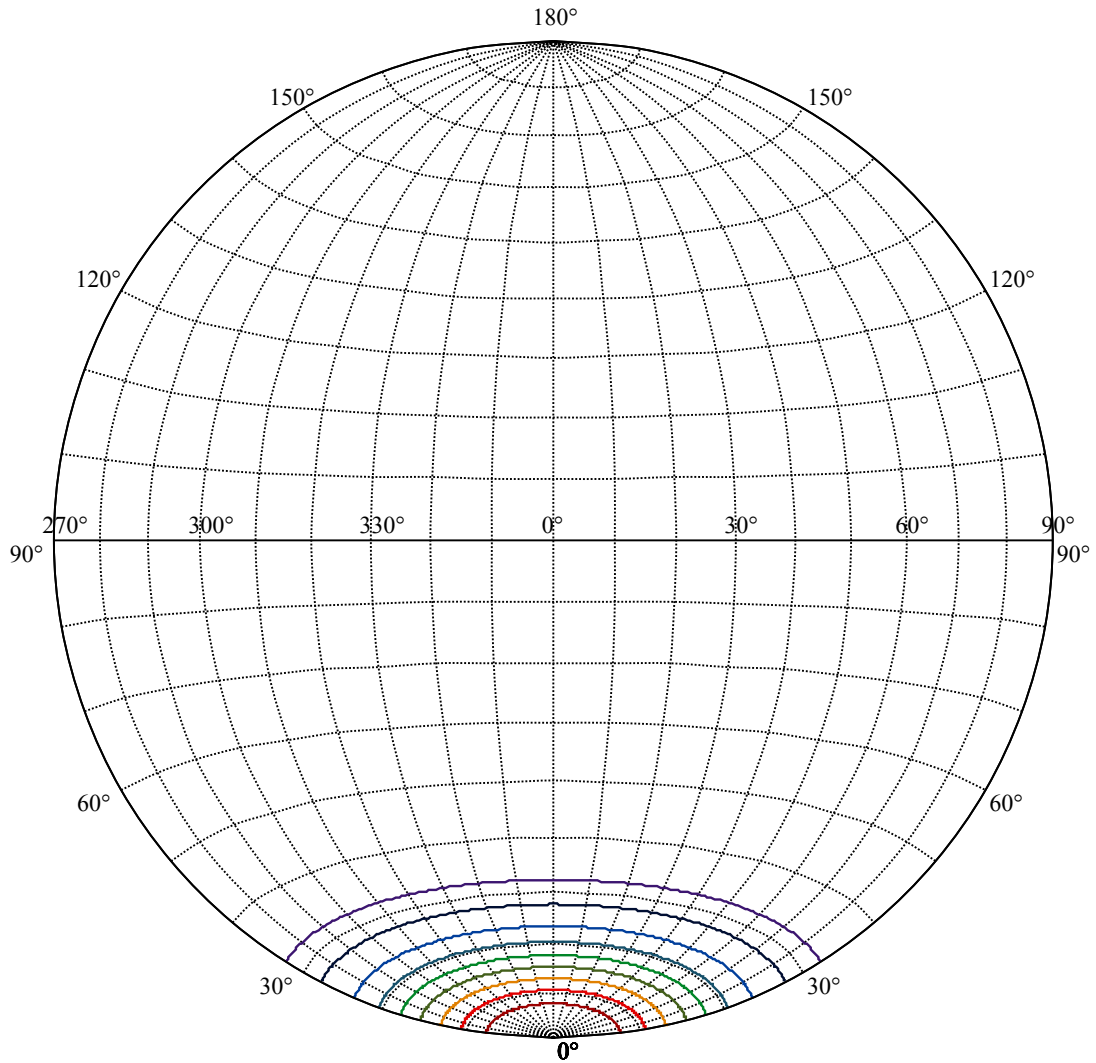
Beam Angle(50%Imax):C0/180Left:17.8 Right:17.8  
:C90/270Left:17.8 Right:17.8





(10%Imax) 519.042	—
(20%Imax) 1038.08	—
(30%Imax) 1557.13	—
(40%Imax) 2076.17	—
(50%Imax) 2595.21	—
(60%Imax) 3114.25	—
(70%Imax) 3633.29	—
(80%Imax) 4152.33	—
(90%Imax) 4671.38	—





House

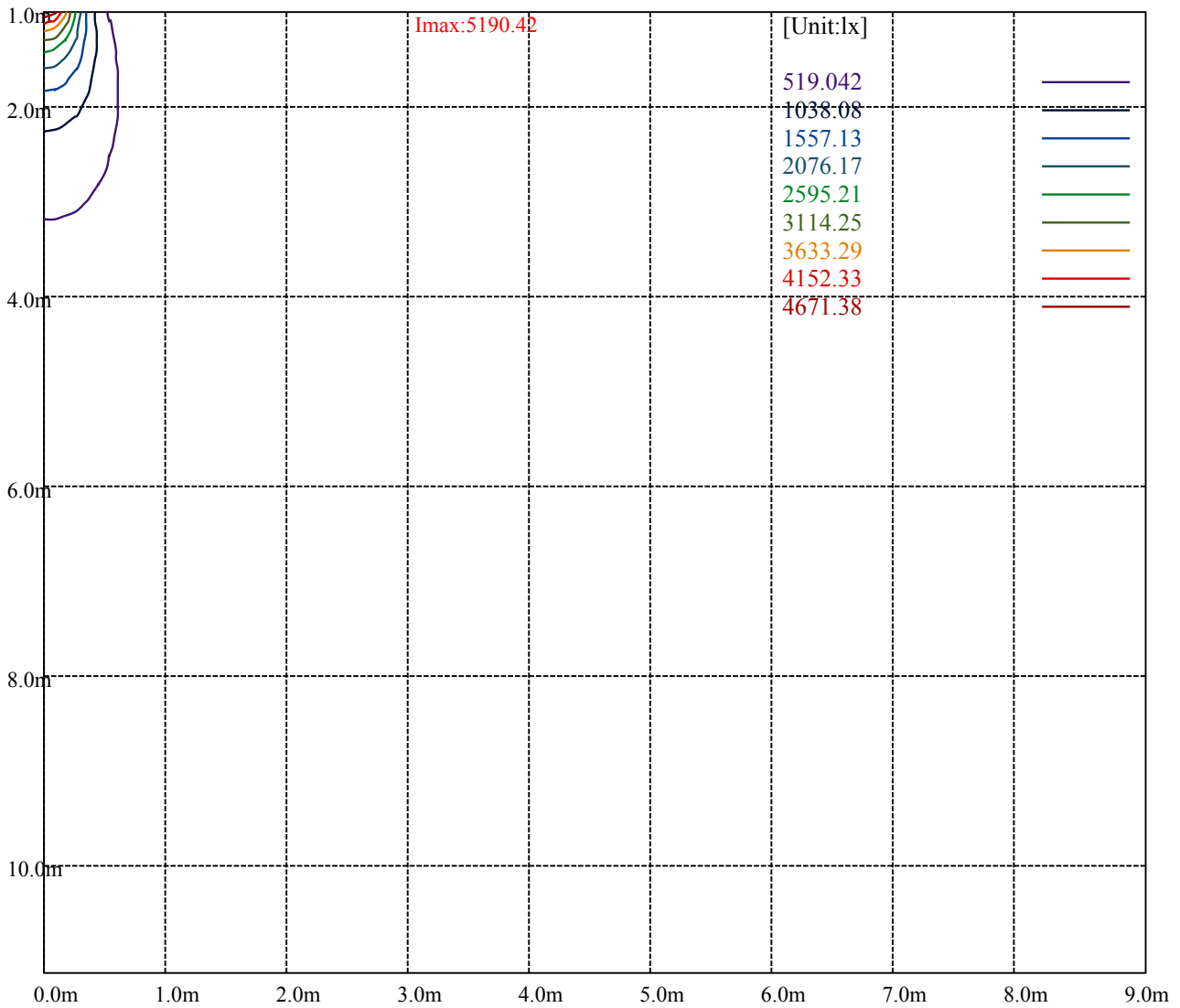
[Unit:cd]

Road

**Imax:5190.42**

(10%Imax)	519.042	—
(20%Imax)	1038.08	—
(30%Imax)	1557.13	—
(40%Imax)	2076.17	—
(50%Imax)	2595.21	—
(60%Imax)	3114.25	—
(70%Imax)	3633.29	—
(80%Imax)	4152.33	—
(90%Imax)	4671.38	—





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

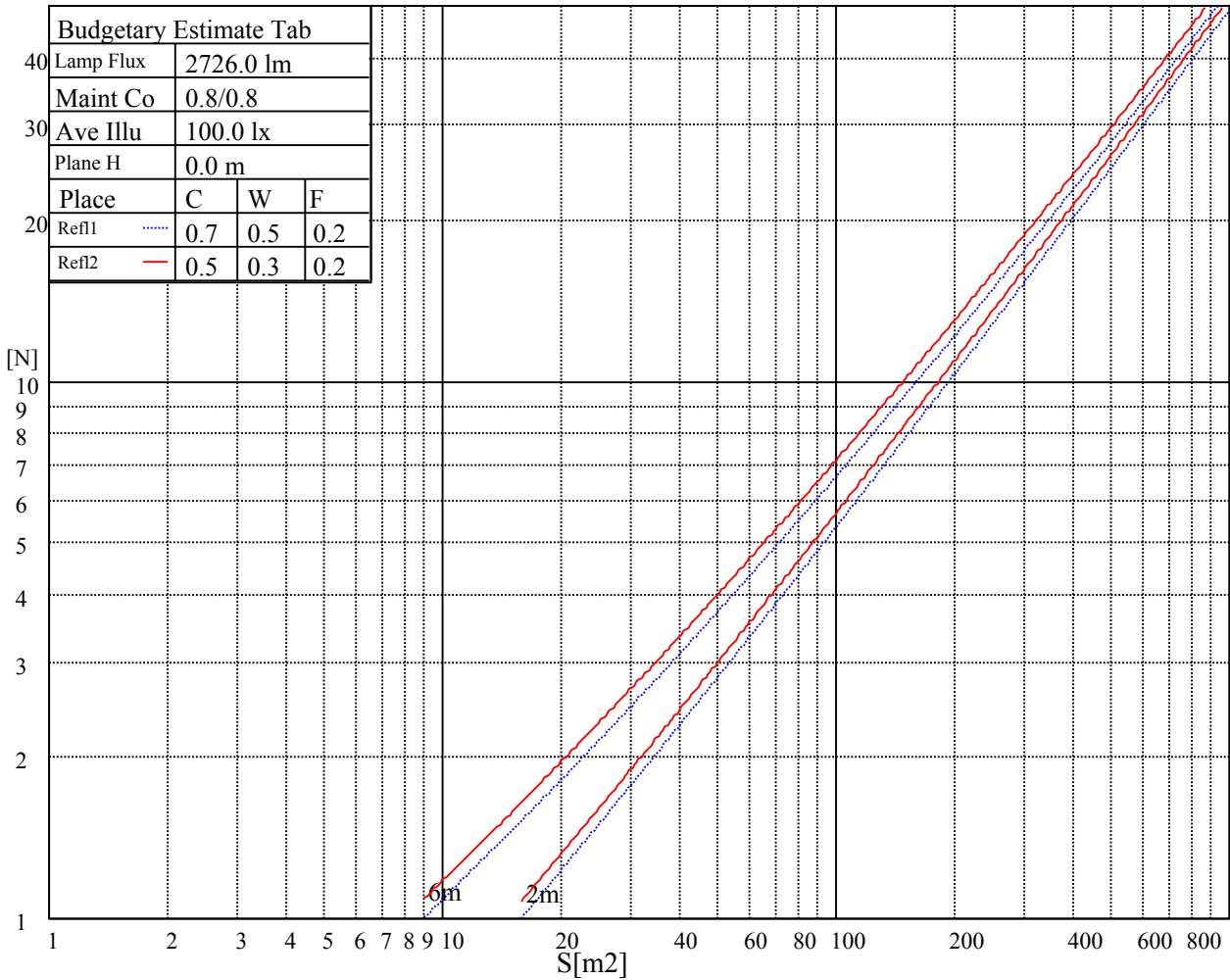
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

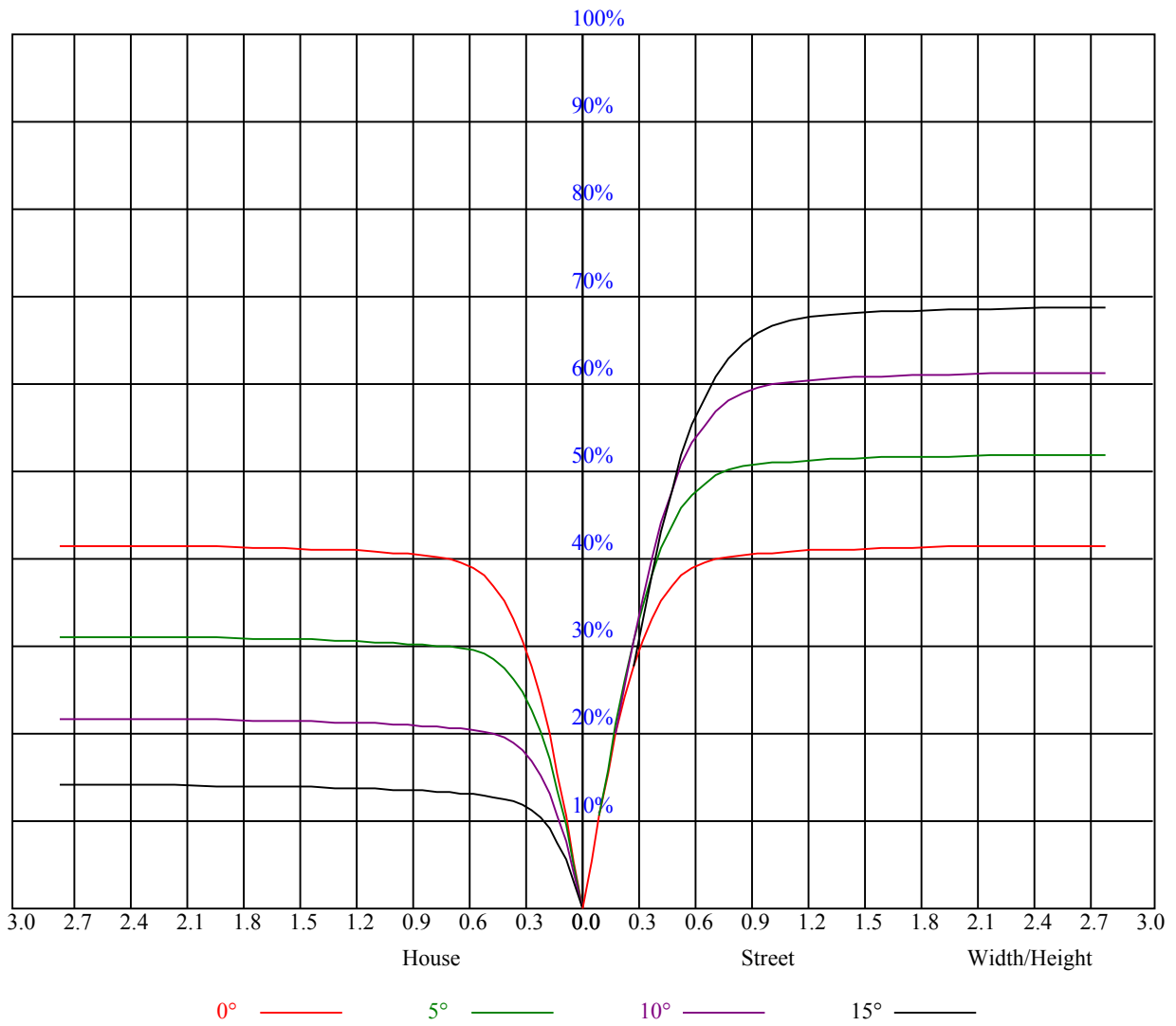


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	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	
8H	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				

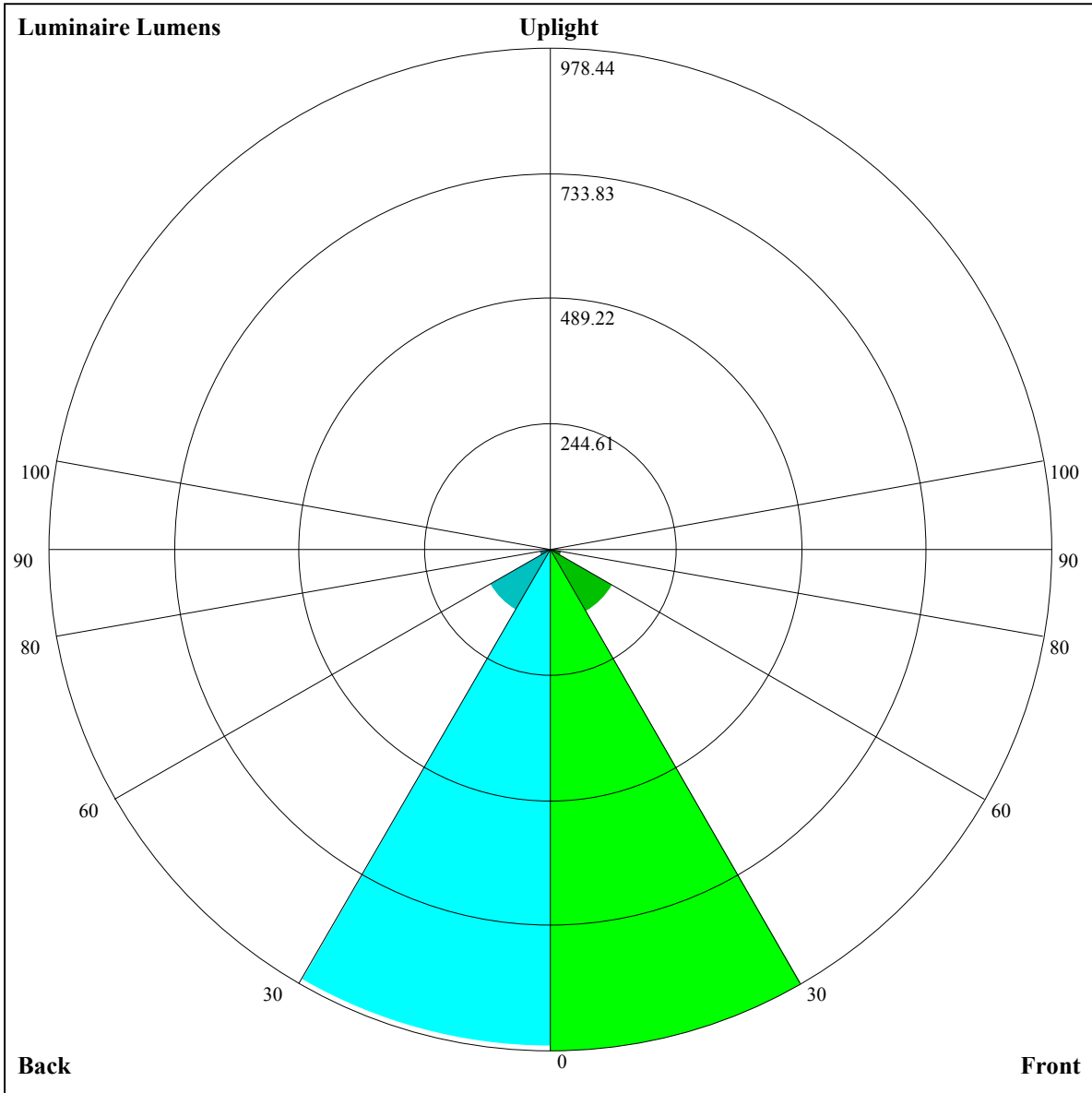
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.00	1.00	1.00	0.98	0.98	0.98	0.93	0.93	0.93	0.89	0.89	0.89	0.86	0.86	0.86	0.84
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	0.80	0.79
2	0.88	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	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.76	0.74	0.72	0.71
4	0.78	0.74	0.71	0.77	0.74	0.71	0.76	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	0.74	0.70	0.67	0.72	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
6	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.61
7	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.58
8	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.56
9	0.62	0.58	0.55	0.62	0.57	0.55	0.61	0.57	0.55	0.60	0.57	0.54	0.59	0.56	0.54	0.53
10	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.55	0.52	0.58	0.55	0.52	0.57	0.54	0.52	0.51







Luminaire Lumens:

FL=978.44,FM=140.92,FH=21.45,FVH=6.36

BL=971.1,BM=135.72,BH=21.68,BVH=6.36

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	5192.17	5176.37	5144.77	5102.05	5051.72	4963.35	4874.98	4757.94	4626.85
45.0	5194.52	5206.81	5197.44	5173.45	5130.14	5076.89	5013.68	4923.56	4788.95
90.0	5202.71	5201.54	5182.23	5147.70	5109.66	5023.04	4933.51	4812.95	4635.04
135.0	5172.28	5188.08	5189.83	5181.06	5143.60	5080.98	5008.41	4906.00	4755.60
180.0	5192.17	5198.61	5179.30	5146.53	5106.15	5032.41	4951.65	4832.85	4684.78
225.0	5194.52	5158.82	5124.29	5061.08	5001.98	4889.61	4771.98	4626.85	4456.55
270.0	5202.71	5186.91	5154.14	5111.41	5063.43	4997.88	4910.68	4783.10	4642.65
315.0	5172.28	5140.09	5091.52	5042.36	4976.23	4881.42	4774.32	4645.57	4495.76
360.0	5192.17	5176.37	5144.77	5102.05	5051.72	4963.35	4874.98	4757.94	4626.85
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4424.94	4255.23	4070.88	3825.09	3623.19	3372.12	3170.22	2971.25	2729.55
45.0	4661.38	4500.44	4334.82	4108.34	3913.46	3666.49	3460.49	3256.25	2991.73
90.0	4475.86	4252.89	4067.37	3872.49	3667.66	3411.34	3195.97	2989.39	2776.95
135.0	4604.61	4443.67	4263.42	4081.42	3835.62	3631.96	3429.48	3173.73	2963.05
180.0	4483.47	4320.77	4120.63	3927.50	3662.98	3454.06	3243.96	3038.55	2788.07
225.0	4272.20	4035.18	3837.38	3637.82	3378.56	3173.15	2960.71	2756.47	2499.55
270.0	4486.39	4274.54	4089.03	3834.45	3629.62	3427.72	3221.72	2960.71	2756.47
315.0	4321.36	4101.90	3908.19	3660.06	3465.18	3260.35	3011.63	2809.72	2609.58
360.0	4424.94	4255.23	4070.88	3825.09	3623.19	3372.12	3170.22	2971.25	2729.55
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2538.18	2345.06	2167.15	1998.60	1796.70	1650.98	1514.04	1288.14	1145.34
45.0	2791.00	2597.29	2405.92	2174.75	2005.04	1842.93	1690.19	1515.79	1381.77
90.0	2529.40	2336.28	2154.86	1941.84	1787.92	1637.52	1463.71	1153.60	1153.60
135.0	2764.66	2518.28	2327.50	2100.43	1933.06	1775.63	1625.81	1448.49	1314.47
180.0	2583.24	2345.64	2156.03	1979.29	1776.80	1633.42	1495.89	1327.35	1207.96
225.0	2305.85	2083.46	1915.50	1764.51	1588.94	1457.85	1158.86	1158.86	1088.87
270.0	2551.05	2356.76	2139.06	1971.10	1810.16	1620.55	1490.63	1359.54	1206.79
315.0	2367.29	2182.36	2011.48	1849.95	1669.12	1533.93	1405.77	1145.05	1145.05
360.0	2538.18	2345.06	2167.15	1998.60	1796.70	1650.98	1514.04	1288.14	1145.34
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1121.47	1030.35	910.73	802.58	694.49	562.99	465.02	346.92	259.02
45.0	1250.10	1117.84	1030.64	930.57	803.57	691.79	561.87	465.90	370.51
90.0	1081.44	985.34	884.04	768.93	634.21	534.19	438.28	322.40	238.65
135.0	1188.07	1086.24	963.92	855.07	745.64	609.86	509.79	416.74	304.96
180.0	1104.38	1010.74	911.84	766.12	655.51	550.76	429.03	339.49	297.35
225.0	1000.33	894.52	786.13	645.50	540.51	443.83	352.60	247.43	178.55
270.0	1106.13	1022.45	896.04	788.36	675.99	571.82	448.34	357.63	314.32
315.0	1055.51	965.50	865.78	730.07	619.87	492.94	399.18	309.64	210.04
360.0	1121.47	1030.35	910.73	802.58	694.49	562.99	465.02	346.92	259.02
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	184.87	128.16	94.28	85.09	77.66	71.92	66.01	61.80	58.35
45.0	302.03	302.03	125.41	99.61	89.83	80.00	74.21	69.17	64.61
90.0	171.18	122.02	100.54	89.13	82.22	74.79	69.82	65.49	60.75
135.0	304.96	211.38	108.03	94.40	85.68	77.54	71.98	67.42	63.26
180.0	297.35	122.19	97.97	89.01	81.70	75.49	69.12	64.84	60.86
225.0	125.71	96.91	87.90	78.89	72.98	68.00	63.67	58.99	55.71
270.0	314.32	126.00	99.61	89.54	81.58	73.86	68.76	63.09	59.28
315.0	146.42	104.29	88.60	78.36	72.39	67.30	63.15	58.76	55.60
360.0	184.87	128.16	94.28	85.09	77.66	71.92	66.01	61.80	58.35

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	55.07	51.62	49.22	46.58	44.71	42.96	41.20	39.91	38.51
45.0	59.93	56.71	53.67	50.45	48.11	45.65	43.89	42.19	40.67
90.0	57.41	54.31	51.09	48.92	46.88	44.95	43.01	41.43	40.09
135.0	59.63	55.54	52.73	50.27	48.11	45.65	44.07	42.25	40.79
180.0	57.47	53.84	51.27	49.04	47.05	44.83	43.13	41.20	39.74
225.0	52.96	50.45	47.70	45.82	44.13	42.14	40.67	39.15	37.40
270.0	55.95	52.32	49.80	47.64	45.71	43.42	41.84	40.44	39.03
315.0	52.73	49.74	47.64	45.76	43.72	42.19	40.61	39.27	37.92
360.0	55.07	51.62	49.22	46.58	44.71	42.96	41.20	39.91	38.51
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	37.22	35.82	34.41	32.95	31.54	29.73	28.56	27.15	25.46
45.0	38.86	37.63	36.40	35.00	33.18	31.84	30.26	28.85	27.10
90.0	38.80	37.04	35.58	34.12	32.19	30.55	28.91	27.39	25.98
135.0	39.50	37.86	36.46	34.76	33.01	31.54	30.08	28.68	27.21
180.0	38.33	36.46	34.82	33.36	31.37	29.96	28.73	27.33	25.93
225.0	35.99	34.47	32.66	31.13	29.55	28.09	26.63	25.34	24.29
270.0	37.34	36.05	34.47	32.71	31.31	29.73	28.15	26.86	25.34
315.0	36.75	35.05	33.65	32.30	30.84	29.14	27.97	26.51	25.11
360.0	37.22	35.82	34.41	32.95	31.54	29.73	28.56	27.15	25.46
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	24.46	23.41	22.06	21.30	20.89	20.95	21.48	22.18	22.88
45.0	25.63	24.23	23.12	22.06	21.07	20.31	19.31	18.61	17.85
90.0	24.99	23.47	22.36	21.54	20.78	19.61	18.96	18.49	18.43
135.0	25.69	24.58	23.53	22.41	21.65	20.95	20.13	19.84	19.78
180.0	24.58	23.53	22.71	22.53	22.77	23.00	23.82	24.52	25.34
225.0	22.88	21.77	21.01	20.31	19.14	18.43	17.62	17.03	16.27
270.0	24.23	23.12	22.00	21.01	20.25	19.37	18.67	17.91	17.62
315.0	23.99	22.82	21.71	20.95	20.25	19.25	18.84	18.43	18.38
360.0	24.46	23.41	22.06	21.30	20.89	20.95	21.48	22.18	22.88
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	23.70	23.94	23.76	23.29	22.41	21.54	20.42	19.43	18.49
45.0	17.21	16.44	15.86	15.27	14.81	14.34	13.87	13.52	13.17
90.0	18.79	19.55	20.42	20.78	20.83	20.37	19.84	18.61	16.27
135.0	19.96	20.72	21.71	22.82	23.12	22.77	22.00	20.60	19.14
180.0	25.87	25.98	25.81	24.99	24.11	23.12	22.06	21.01	19.25
225.0	15.63	15.10	14.63	14.16	13.75	13.40	13.05	12.76	12.41
270.0	17.67	18.26	18.90	19.37	19.55	19.37	19.02	18.14	16.97
315.0	19.14	20.25	21.30	21.89	21.65	21.19	20.42	18.90	17.50
360.0	23.70	23.94	23.76	23.29	22.41	21.54	20.42	19.43	18.49
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	16.44	13.64	11.94	11.47	11.00	10.65	10.24	10.01	10.07
45.0	12.82	12.47	12.11	11.70	11.35	11.06	10.53	10.18	9.95
90.0	14.10	12.17	11.70	11.41	10.94	10.48	10.24	10.01	9.95
135.0	17.03	14.34	12.52	11.76	11.29	10.65	10.36	10.12	10.18
180.0	16.39	12.82	11.82	11.35	10.83	10.36	10.12	10.07	9.71
225.0	12.11	11.82	11.59	11.12	10.48	10.18	9.95	9.71	10.01
270.0	15.39	13.11	11.65	11.35	11.18	10.53	10.18	9.95	9.71
315.0	14.51	12.58	11.82	11.24	10.77	10.30	10.07	10.24	9.71
360.0	16.44	13.64	11.94	11.47	11.00	10.65	10.24	10.01	10.07

Intensity data(cd)

C/γ(°)	90.0
0.0	9.77
45.0	9.77
90.0	9.77
135.0	9.77
180.0	9.83
225.0	9.77
270.0	9.89
315.0	10.01
360.0	9.77