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NT

Client:

LumCAT: 2-2679-L

Luminaire: 92.70.411.00

Report No: 2024418-B004

Ballast type: AC

Test No: 2024418-C004

Voltage(V): 33.610

LampCAT: NICHIA NFCWJ120B-V3

Current(A): 0.576

Lamp flux(lm): 2726.0

Power (W): 19.359

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2308.93, Efficiency(%): 84.70% , Luminous Efficacy(lm/W): 119.27

Central intensity(cd): 7564.969, Maximum intensity(cd): 7564.969

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=24.0

[C90/270]Total=24.0

Field angle(10%Imax): [C0/180]Total=61.0

[C90/270]Total=61.0

Maximum s/h(1/2): C0_180=0.40 C90_270=0.40

Maximum s/h(1/4): C0_180=0.47 C90_270=0.47

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.70%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.809%

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	7564.969	0.000	0	0.00%	0.00%
1.0	7492.109	7.205	7.205	0.26%	0.31%
2.0	7289.255	21.216	28.42	0.78%	1.23%
3.0	7007.396	34.193	62.613	1.25%	2.71%
4.0	6672.867	45.792	108.405	1.68%	4.70%
5.0	6308.199	55.844	164.249	2.05%	7.11%
6.0	5909.222	64.206	228.455	2.36%	9.89%
7.0	5555.965	71.164	299.619	2.61%	12.98%
8.0	5163.352	76.716	376.335	2.81%	16.30%
9.0	4802.488	80.768	457.103	2.96%	19.80%
10.0	4451.134	83.742	540.845	3.07%	23.42%
11.0	4103.583	85.479	626.324	3.14%	27.13%
12.0	3780.978	86.190	712.514	3.16%	30.86%
13.0	3480.245	86.172	798.686	3.16%	34.59%
14.0	3201.166	85.521	884.207	3.14%	38.30%
15.0	2941.911	84.335	968.542	3.09%	41.95%
16.0	2683.388	82.426	1050.969	3.02%	45.52%
17.0	2476.877	80.359	1131.328	2.95%	49.00%
18.0	2282.802	78.477	1209.805	2.88%	52.40%
19.0	2101.089	76.271	1286.076	2.80%	55.70%
20.0	1943.444	74.026	1360.102	2.72%	58.91%
21.0	1798.455	71.852	1431.954	2.64%	62.02%
22.0	1668.316	69.666	1501.62	2.56%	65.04%
23.0	1549.369	67.516	1569.136	2.48%	67.96%
24.0	1419.134	64.902	1634.038	2.38%	70.77%
25.0	1286.083	61.511	1695.549	2.26%	73.43%
26.0	1217.319	59.093	1754.642	2.17%	75.99%
27.0	1140.947	57.696	1812.337	2.12%	78.49%
28.0	1027.655	54.904	1867.242	2.01%	80.87%
29.0	920.756	50.976	1918.217	1.87%	83.08%
30.0	805.745	46.615	1964.833	1.71%	85.10%
31.0	698.290	41.855	2006.688	1.54%	86.91%
32.0	593.447	37.007	2043.695	1.36%	88.51%
33.0	494.991	32.066	2075.76	1.18%	89.90%
34.0	408.663	27.347	2103.108	1.00%	91.09%
35.0	320.096	22.633	2125.74	0.83%	92.07%
36.0	267.082	18.696	2144.436	0.69%	92.88%
37.0	224.558	16.035	2160.471	0.59%	93.57%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	152.429	12.583	2173.054	0.46%	94.12%
39.0	103.929	8.750	2181.804	0.32%	94.49%
40.0	85.904	6.621	2188.425	0.24%	94.78%
41.0	76.028	5.766	2194.191	0.21%	95.03%
42.0	68.427	5.248	2199.439	0.19%	95.26%
43.0	62.465	4.849	2204.288	0.18%	95.47%
44.0	57.374	4.523	2208.811	0.17%	95.66%
45.0	52.875	4.237	2213.048	0.16%	95.85%
46.0	48.976	3.983	2217.031	0.15%	96.02%
47.0	45.494	3.757	2220.789	0.14%	96.18%
48.0	42.436	3.555	2224.343	0.13%	96.34%
49.0	39.430	3.362	2227.705	0.12%	96.48%
50.0	37.147	3.193	2230.898	0.12%	96.62%
51.0	34.996	3.052	2233.95	0.11%	96.75%
52.0	33.153	2.924	2236.874	0.11%	96.88%
53.0	31.602	2.817	2239.691	0.10%	97.00%
54.0	30.388	2.732	2242.424	0.10%	97.12%
55.0	29.466	2.672	2245.095	0.10%	97.24%
56.0	28.837	2.635	2247.73	0.10%	97.35%
57.0	28.486	2.621	2250.351	0.10%	97.46%
58.0	28.427	2.632	2252.983	0.10%	97.58%
59.0	28.508	2.662	2255.644	0.10%	97.69%
60.0	28.530	2.695	2258.339	0.10%	97.81%
61.0	28.354	2.715	2261.054	0.10%	97.93%
62.0	27.747	2.703	2263.757	0.10%	98.04%
63.0	26.628	2.645	2266.402	0.10%	98.16%
64.0	25.048	2.536	2268.937	0.09%	98.27%
65.0	23.138	2.385	2271.322	0.09%	98.37%
66.0	21.258	2.215	2273.537	0.08%	98.47%
67.0	19.590	2.054	2275.591	0.08%	98.56%
68.0	18.237	1.916	2277.507	0.07%	98.64%
69.0	17.271	1.811	2279.319	0.07%	98.72%
70.0	16.576	1.738	2281.057	0.06%	98.79%
71.0	16.079	1.688	2282.745	0.06%	98.87%
72.0	15.823	1.659	2284.404	0.06%	98.94%
73.0	15.721	1.650	2286.053	0.06%	99.01%
74.0	15.633	1.648	2287.701	0.06%	99.08%
75.0	15.516	1.646	2289.347	0.06%	99.15%

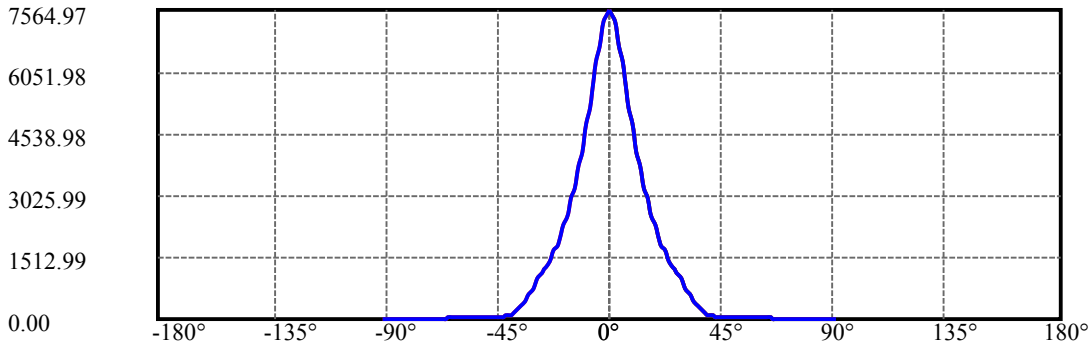
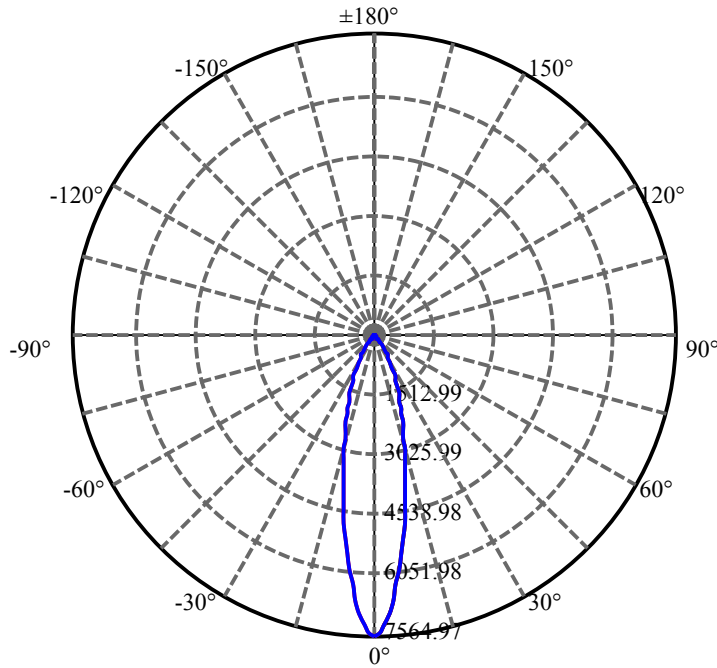
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.216	1.631	2290.979	0.06%	99.22%
77.0	14.777	1.599	2292.578	0.06%	99.29%
78.0	14.192	1.551	2294.128	0.06%	99.36%
79.0	13.446	1.485	2295.613	0.05%	99.42%
80.0	12.670	1.408	2297.021	0.05%	99.48%
81.0	12.187	1.344	2298.366	0.05%	99.54%
82.0	11.785	1.300	2299.666	0.05%	99.60%
83.0	11.441	1.263	2300.928	0.05%	99.65%
84.0	11.141	1.230	2302.158	0.05%	99.71%
85.0	10.863	1.201	2303.359	0.04%	99.76%
86.0	10.512	1.168	2304.528	0.04%	99.81%
87.0	10.241	1.136	2305.664	0.04%	99.86%
88.0	10.022	1.110	2306.774	0.04%	99.91%
89.0	9.824	1.088	2307.861	0.04%	99.95%
90.0	9.751	1.073	2308.935	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1964.83	72.08%	85.10%
0-40	2188.42	80.28%	94.78%
0-60	2258.34	82.84%	97.81%
0-90	2307.86	84.66%	99.95%
0-120	2307.86	84.66%	99.95%
0-180	2308.93	84.70%	100.00%
60-90	49.52	1.82%	2.14%
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%
0-27.63	1847.15	67.76%	80.00%

ZONAL LUMEN SUMMARY

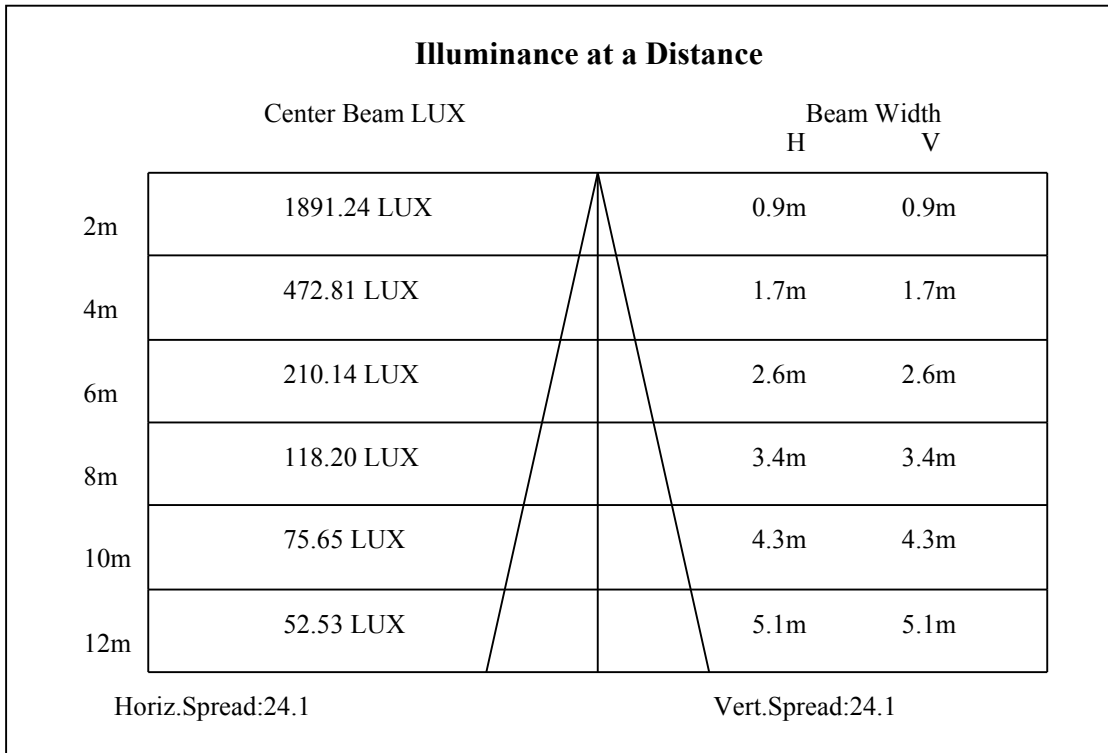
0-10	540.84
10-20	819.26
20-30	604.73
30-40	223.59
40-50	42.47
50-60	27.44
60-70	22.72
70-80	15.96
80-90	10.84
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

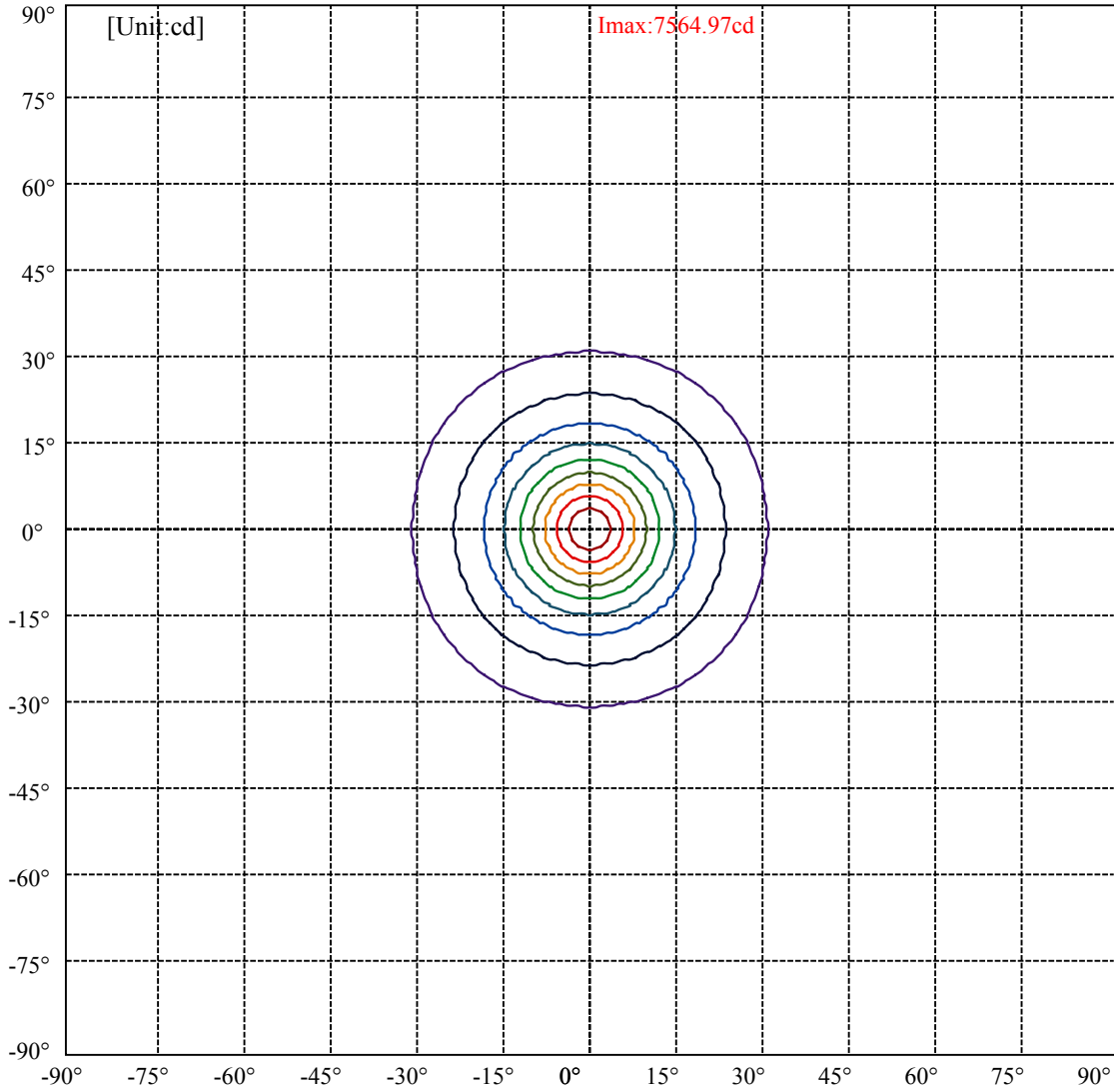


C0(Max): ———
C0/C180: ———
C90/C270: ———

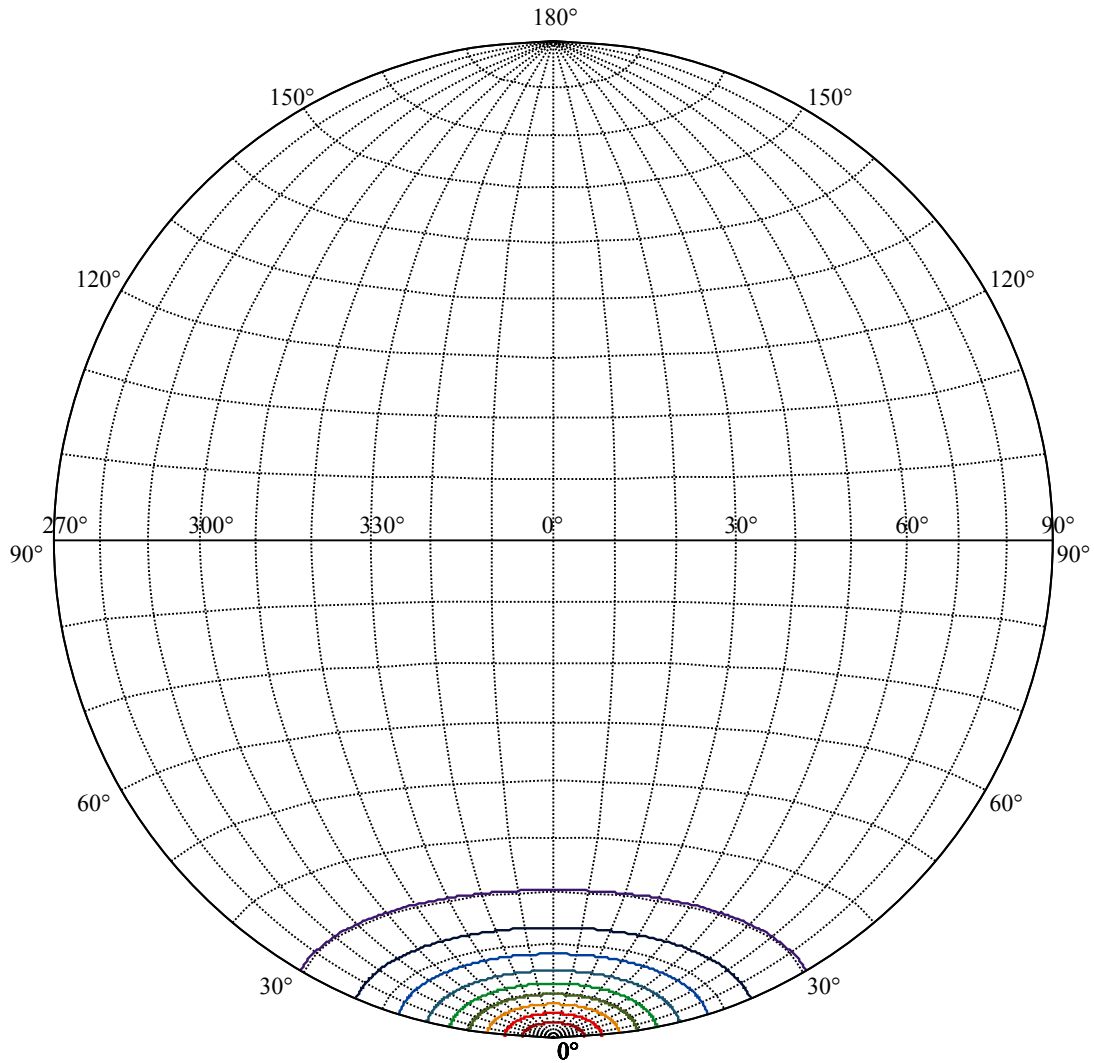
Field angle(10%Imax):C0/180Left:30.5 Right:30.5
:C90/270Left:30.5 Right:30.5

Beam Angle(50%Imax):C0/180Left:12.0 Right:12.0
:C90/270Left:12.0 Right:12.0





(10%Imax) 756.497	—
(20%Imax) 1512.99	—
(30%Imax) 2269.49	—
(40%Imax) 3025.99	—
(50%Imax) 3782.48	—
(60%Imax) 4538.98	—
(70%Imax) 5295.48	—
(80%Imax) 6051.98	—
(90%Imax) 6808.47	—



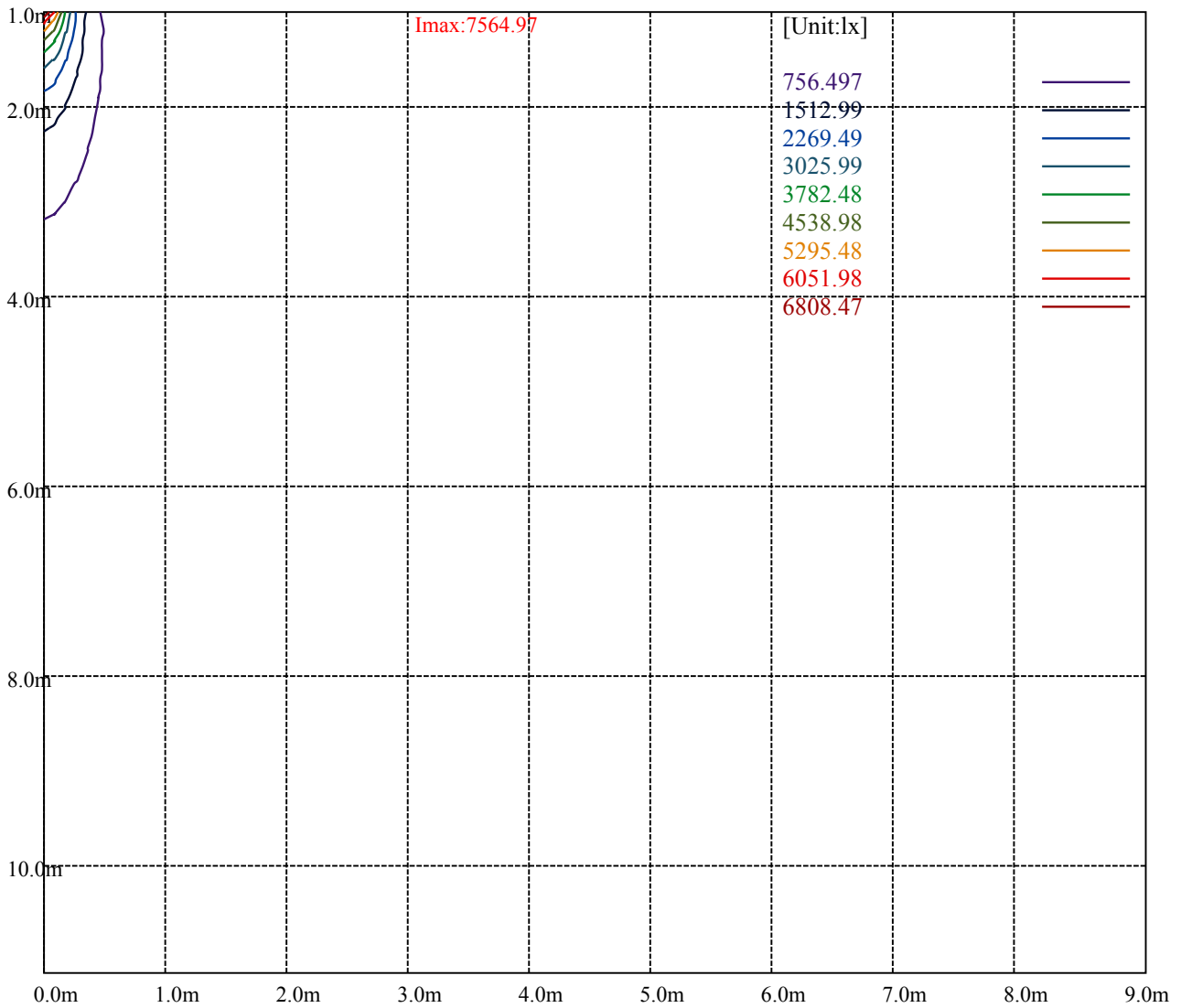
House

[Unit:cd]

Road

Imax:7564.97

(10%Imax)	756.497	—
(20%Imax)	1512.99	—
(30%Imax)	2269.49	—
(40%Imax)	3025.99	—
(50%Imax)	3782.48	—
(60%Imax)	4538.98	—
(70%Imax)	5295.48	—
(80%Imax)	6051.98	—
(90%Imax)	6808.47	—



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

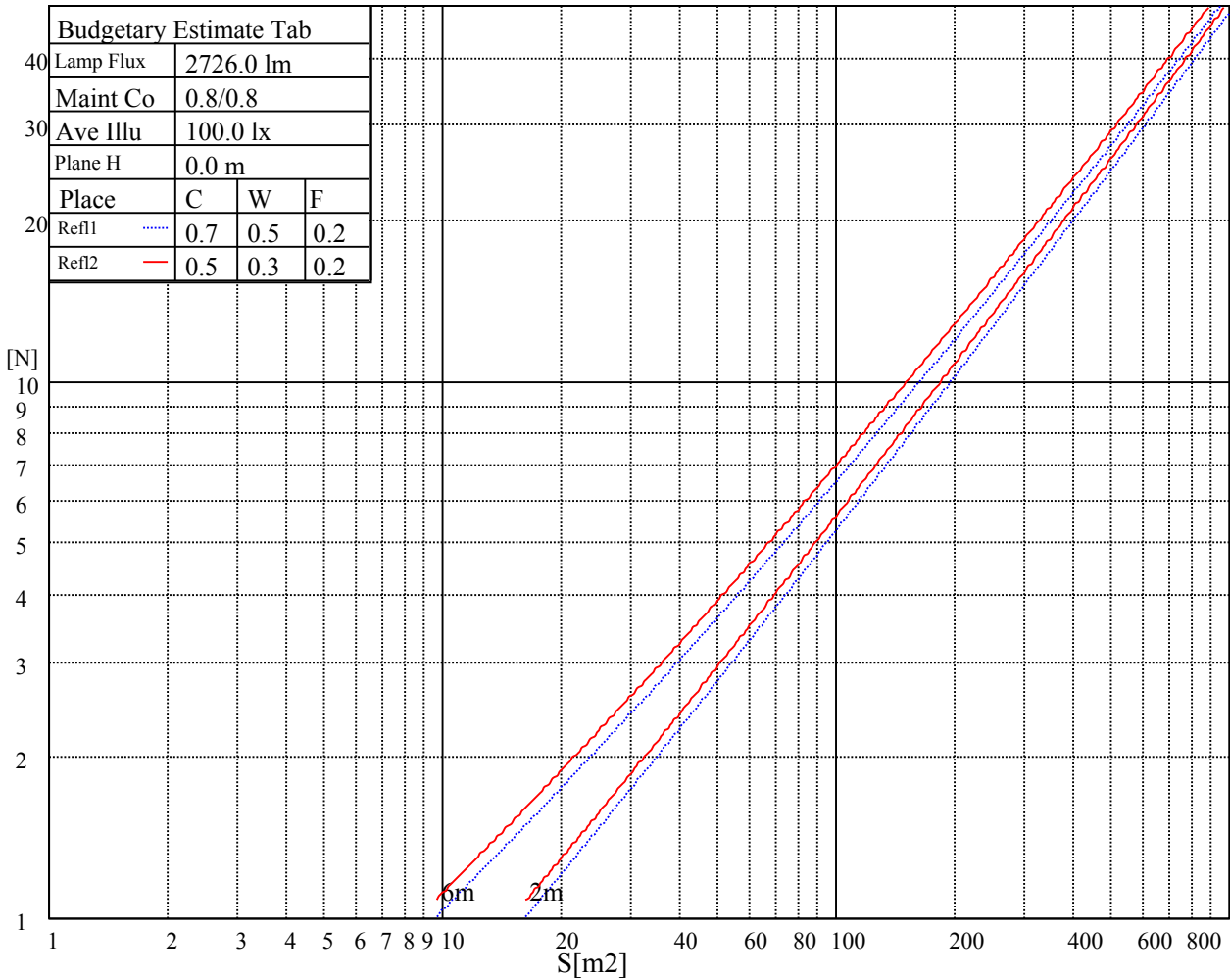
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

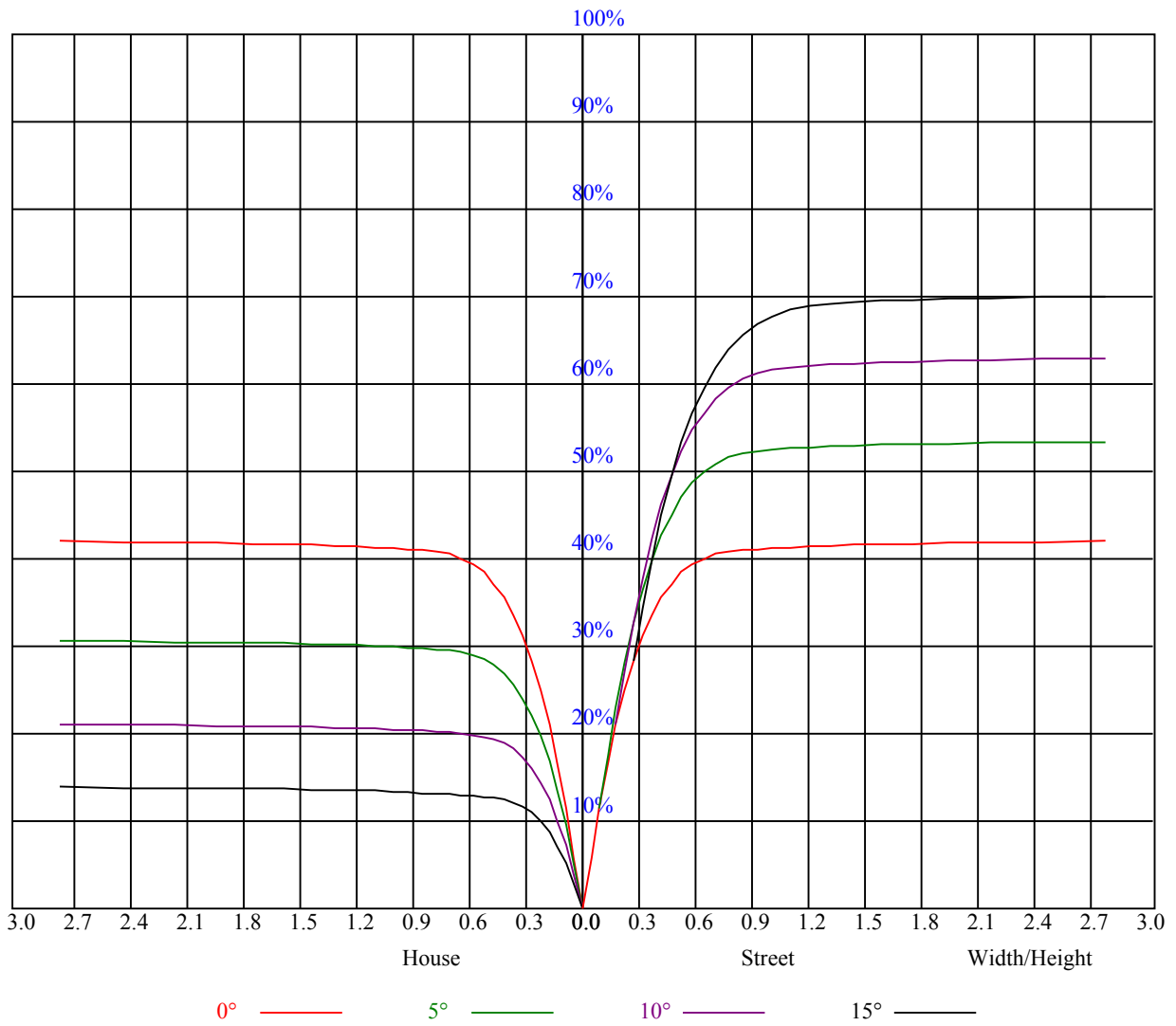


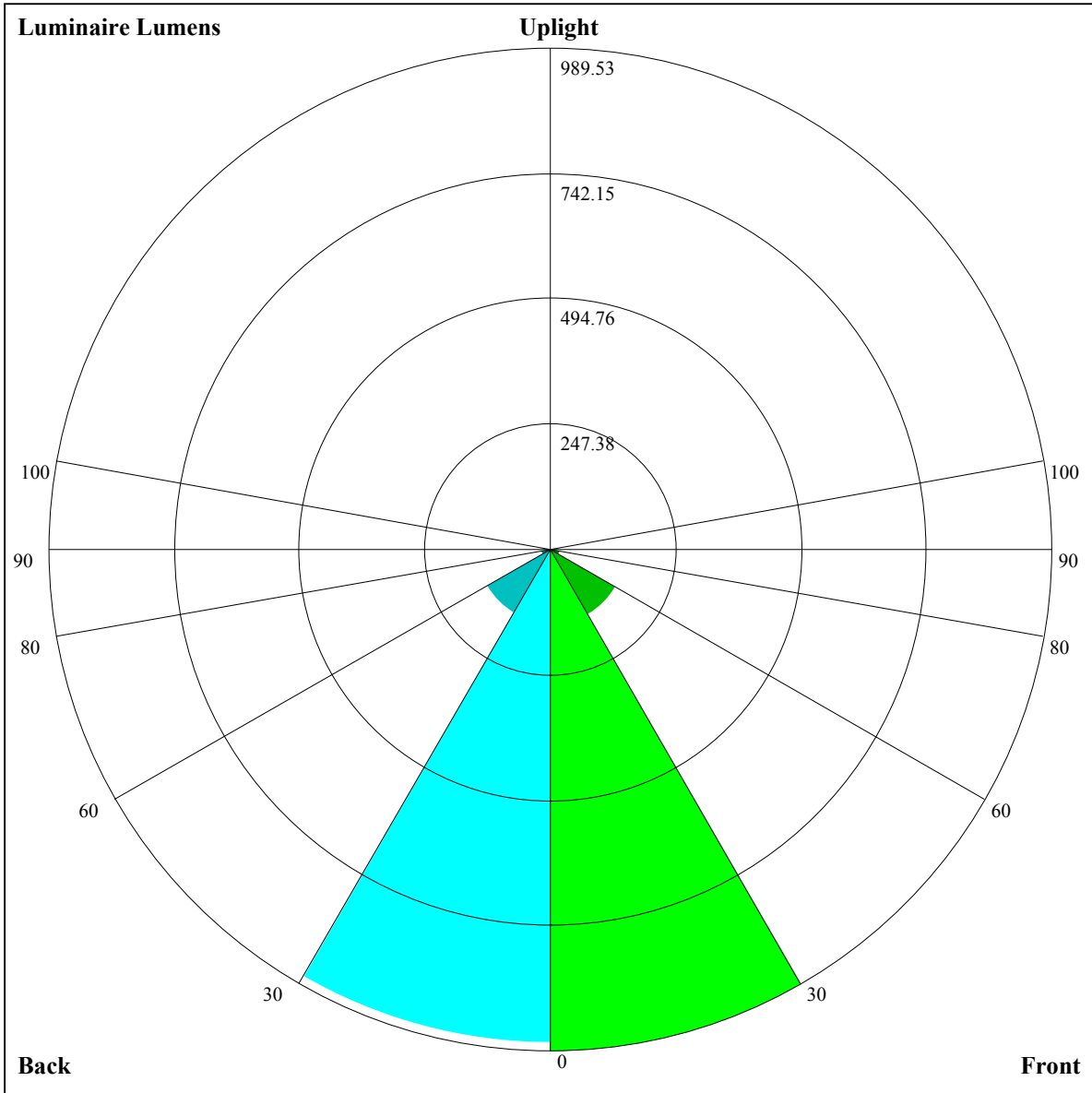
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.01	1.01	1.01	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.85
1	0.94	0.92	0.91	0.93	0.91	0.89	0.89	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80
2	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.82	0.80	0.82	0.80	0.79	0.80	0.78	0.77	0.76
3	0.84	0.80	0.77	0.83	0.79	0.77	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.72
4	0.80	0.75	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.75	0.72	0.70	0.74	0.71	0.69	0.68
5	0.76	0.71	0.68	0.75	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	0.72	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
7	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60
8	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.57
9	0.63	0.59	0.56	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
10	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.59	0.56	0.54	0.53





Luminaire Lumens:

FL=989.53,FM=149.81,FH=19.45,FVH=5.99

BL=972.46,BM=145.75,BH=19.26,BVH=5.95

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	7607.98	7522.54	7315.96	7040.32	6631.24	6280.11	5930.73	5578.42	5144.77
45.0	7503.23	7613.25	7599.79	7452.31	7150.92	6826.12	6484.35	6127.36	5683.18
90.0	7617.35	7566.43	7351.65	7080.70	6755.31	6410.03	5958.23	5605.93	5159.99
135.0	7531.32	7580.48	7461.09	7252.17	6956.04	6535.27	6175.94	5827.73	5391.15
180.0	7607.98	7531.32	7287.87	7004.62	6681.57	6252.60	5902.64	5548.58	5200.37
225.0	7503.23	7222.91	6928.54	6514.20	6163.65	5812.51	5370.08	5013.10	4685.96
270.0	7617.35	7529.56	7328.25	6984.72	6656.99	6314.05	5865.77	5507.61	5156.48
315.0	7531.32	7370.38	7040.90	6730.15	6387.20	6034.90	5586.03	5238.99	4884.93
360.0	7607.98	7522.54	7315.96	7040.32	6631.24	6280.11	5930.73	5578.42	5144.77
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4810.02	4471.18	4146.38	3760.13	3469.86	3205.34	2900.43	2676.88	2474.39
45.0	5334.38	5000.22	4574.76	4250.55	3939.79	3574.03	3299.56	2976.51	2747.10
90.0	4819.39	4482.30	4084.34	3770.08	3485.07	3221.72	2914.48	2686.83	2480.83
135.0	5050.55	4711.70	4309.66	3998.32	3702.19	3421.87	3159.10	2855.96	2635.33
180.0	4771.98	4440.75	4115.95	3812.21	3455.23	3191.29	2945.50	2668.10	2470.29
225.0	4349.45	3958.52	3670.00	3394.36	3136.86	2846.59	2632.99	2439.28	2216.89
270.0	4739.80	4409.14	4090.78	3713.31	3437.08	3174.90	2932.62	2665.17	2471.46
315.0	4544.33	4135.26	3836.79	3548.86	3215.87	2973.59	2750.62	2498.38	2318.72
360.0	4810.02	4471.18	4146.38	3760.13	3469.86	3205.34	2900.43	2676.88	2474.39
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2251.42	2091.07	1945.35	1779.14	1660.93	1546.81	1448.49	1271.17	1147.92
45.0	2537.01	2347.98	2135.54	1982.80	1842.35	1716.52	1570.22	1465.46	1369.49
90.0	2305.26	2094.58	1951.20	1808.99	1653.32	1542.71	1438.54	1157.93	1157.93
135.0	2388.95	2216.31	2058.29	1879.80	1751.64	1628.74	1497.06	1398.75	1306.87
180.0	2283.61	2064.73	1931.89	1792.02	1636.93	1532.76	1429.76	1339.05	1231.37
225.0	2056.54	1914.33	1753.39	1635.18	1531.01	1406.94	1149.85	1149.85	1126.21
270.0	2291.21	2117.40	1945.35	1806.65	1677.31	1553.83	1446.15	1358.95	1251.27
315.0	2148.42	1962.32	1826.55	1703.06	1593.04	1466.63	1373.00	1147.51	1147.51
360.0	2251.42	2091.07	1945.35	1779.14	1660.93	1546.81	1448.49	1271.17	1147.92
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1147.92	1043.46	917.81	813.99	711.98	591.55	500.43	413.70	315.85
45.0	1278.19	1155.29	1052.88	920.62	817.03	716.37	594.65	506.28	420.25
90.0	1133.52	1004.07	900.54	795.73	670.78	577.38	487.26	402.58	305.25
135.0	1212.64	1083.31	980.90	877.31	771.39	648.49	555.44	468.24	366.41
180.0	1131.30	1034.15	929.98	795.96	694.72	598.74	489.31	405.62	311.40
225.0	1002.08	900.25	792.86	691.85	572.17	483.28	402.52	308.47	243.45
270.0	1151.20	1027.13	925.30	815.28	711.69	589.38	496.91	411.47	333.64
315.0	1070.73	973.58	865.78	735.22	636.55	542.39	433.42	352.95	264.52
360.0	1147.92	1043.46	917.81	813.99	711.98	591.55	500.43	413.70	315.85
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	246.61	186.92	128.11	96.45	82.11	74.21	65.37	60.04	55.60
45.0	340.66	303.21	303.21	137.18	101.71	82.05	74.21	67.01	60.28
90.0	237.84	180.83	134.25	95.22	81.81	73.86	65.25	59.75	54.13
135.0	310.23	310.23	157.48	117.40	93.23	80.53	72.86	66.54	61.39
180.0	311.40	231.11	138.46	100.25	86.44	78.19	70.81	63.85	59.05
225.0	188.33	132.67	102.88	88.08	77.95	70.81	65.08	59.05	54.84
270.0	297.35	297.35	140.28	105.63	85.79	77.89	69.17	63.85	59.22
315.0	204.24	154.15	114.76	91.24	78.19	70.70	64.67	59.63	54.48
360.0	246.61	186.92	128.11	96.45	82.11	74.21	65.37	60.04	55.60

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	50.74	47.23	44.07	40.67	38.33	36.17	34.00	32.42	31.08
45.0	55.77	51.68	47.29	44.13	40.56	38.16	35.93	34.12	32.13
90.0	50.04	46.41	43.19	39.80	37.34	35.17	33.30	31.37	30.08
135.0	55.89	51.91	48.22	45.06	41.43	38.86	36.58	34.18	32.60
180.0	54.78	50.10	46.82	43.77	40.50	38.10	35.58	33.88	32.42
225.0	50.97	47.52	43.66	41.02	38.57	36.46	34.24	32.71	31.19
270.0	54.02	50.33	46.99	43.95	40.61	38.27	36.17	34.35	32.42
315.0	50.80	46.64	43.72	41.08	38.10	35.99	34.18	32.19	30.90
360.0	50.74	47.23	44.07	40.67	38.33	36.17	34.00	32.42	31.08
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.79	28.97	28.38	28.09	28.15	28.27	28.44	28.38	27.74
45.0	30.78	29.67	28.85	28.09	27.68	27.74	27.80	28.09	28.09
90.0	28.97	27.97	27.45	27.15	27.21	27.39	27.56	27.51	27.04
135.0	30.90	29.85	29.03	28.38	28.09	28.15	28.27	28.50	28.21
180.0	31.19	30.14	29.50	29.14	29.09	29.14	29.20	28.97	28.27
225.0	30.43	29.79	29.44	29.32	29.32	29.32	28.79	27.92	26.69
270.0	31.19	30.26	29.50	29.26	29.26	29.26	29.38	29.09	28.27
315.0	29.85	29.09	28.56	28.44	28.62	28.79	28.79	28.38	27.68
360.0	29.79	28.97	28.38	28.09	28.15	28.27	28.44	28.38	27.74
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.80	25.34	23.23	21.36	19.43	18.20	17.26	16.68	16.21
45.0	27.56	26.57	25.16	23.12	21.13	19.61	18.26	17.03	16.39
90.0	26.16	24.40	22.77	20.83	19.37	17.73	16.85	16.21	15.74
135.0	27.62	26.39	24.64	22.77	20.83	19.02	17.91	17.09	16.39
180.0	26.92	25.28	23.00	21.19	19.66	18.08	17.26	16.68	16.21
225.0	25.05	22.82	21.01	19.49	17.97	17.15	16.39	15.92	15.51
270.0	26.98	25.34	23.47	21.13	19.55	18.32	17.38	16.62	16.15
315.0	25.93	24.23	21.83	20.19	18.79	17.79	16.85	16.39	16.04
360.0	26.80	25.34	23.23	21.36	19.43	18.20	17.26	16.68	16.21
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.09	15.74	15.33	14.81	14.34	13.93	13.58	13.11	12.76
45.0	15.86	15.45	14.98	14.69	14.34	13.93	13.64	13.28	12.87
90.0	15.33	15.63	16.09	16.33	16.27	15.63	14.63	13.64	12.47
135.0	15.92	15.57	15.45	15.74	15.92	15.92	15.33	14.22	13.17
180.0	15.98	15.63	15.27	14.86	14.28	13.87	13.52	13.11	12.64
225.0	15.10	14.69	14.34	13.99	13.64	13.23	12.87	12.52	12.17
270.0	16.15	16.39	16.62	16.74	16.44	15.80	14.86	13.81	12.64
315.0	16.15	16.68	16.97	16.97	16.50	15.92	15.10	13.87	12.64
360.0	16.09	15.74	15.33	14.81	14.34	13.93	13.58	13.11	12.76
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.29	11.94	11.53	11.18	10.89	10.65	10.30	10.07	9.83
45.0	12.52	12.11	11.76	11.47	11.18	10.94	10.53	10.30	10.07
90.0	11.94	11.59	11.35	11.06	10.77	10.48	10.30	10.07	9.83
135.0	12.58	12.06	11.53	11.29	11.06	10.53	10.36	10.18	9.89
180.0	12.29	11.82	11.41	11.06	10.77	10.42	10.24	10.01	9.77
225.0	11.82	11.47	11.24	10.94	10.48	10.24	9.95	9.77	9.77
270.0	12.17	11.70	11.47	11.18	11.06	10.48	10.18	9.95	9.71
315.0	11.88	11.59	11.24	10.94	10.71	10.36	10.07	9.83	9.71
360.0	12.29	11.94	11.53	11.18	10.89	10.65	10.30	10.07	9.83

Intensity data(cd)

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