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Nata

Client:

LumCAT: 2-2561-L

Luminaire: 92.70.411.00

Report No: 2024912-B003

Ballast type: AC

Test No: 2024912-C003

Voltage(V): 36.650

LampCAT: NICHIA NFCWJ130B-V3

Current(A): 0.580

Lamp flux(lm): 2826.0

Power (W): 21.250

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2618.32, Efficiency(%): 92.65% , Luminous Efficacy(lm/W): 123.22

Central intensity(cd): 10656.570, Maximum intensity(cd): 10656.570

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=21.4

[C90/270]Total=21.4

Field angle(10%Imax): [C0/180]Total=55.0

[C90/270]Total=55.0

Maximum s/h(1/2): C0_180=0.36 C90_270=0.36

Maximum s/h(1/4): C0_180=0.40 C90_270=0.40

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.65%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.038%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/9/12
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	10656.574	0.000	0	0.00%	0.00%
1.0	10607.277	10.174	10.174	0.36%	0.39%
2.0	10439.648	30.209	40.383	1.07%	1.54%
3.0	10140.312	49.221	89.603	1.74%	3.42%
4.0	9691.993	66.385	155.988	2.35%	5.96%
5.0	9208.319	81.308	237.297	2.88%	9.06%
6.0	8558.732	93.371	330.667	3.30%	12.63%
7.0	7897.305	102.142	432.81	3.61%	16.53%
8.0	7168.191	107.821	540.63	3.82%	20.65%
9.0	6427.093	110.182	650.813	3.90%	24.86%
10.0	5760.246	110.291	761.104	3.90%	29.07%
11.0	5149.522	109.011	870.115	3.86%	33.23%
12.0	4563.595	106.178	976.293	3.76%	37.29%
13.0	4086.800	102.658	1078.951	3.63%	41.21%
14.0	3646.149	98.981	1177.932	3.50%	44.99%
15.0	3263.310	94.856	1272.789	3.36%	48.61%
16.0	2920.510	90.610	1363.399	3.21%	52.07%
17.0	2647.652	86.711	1450.11	3.07%	55.38%
18.0	2390.523	83.069	1533.179	2.94%	58.56%
19.0	2155.253	79.087	1612.266	2.80%	61.58%
20.0	1973.420	75.566	1687.832	2.67%	64.46%
21.0	1804.457	72.543	1760.375	2.57%	67.23%
22.0	1671.711	69.855	1830.23	2.47%	69.90%
23.0	1534.378	67.272	1897.502	2.38%	72.47%
24.0	1422.525	64.649	1962.151	2.29%	74.94%
25.0	1283.951	61.539	2023.69	2.18%	77.29%
26.0	1182.058	58.210	2081.901	2.06%	79.51%
27.0	1115.803	56.218	2138.118	1.99%	81.66%
28.0	1021.408	54.110	2192.228	1.91%	83.73%
29.0	919.141	50.770	2242.998	1.80%	85.67%
30.0	817.097	46.878	2289.876	1.66%	87.46%
31.0	720.592	42.792	2332.668	1.51%	89.09%
32.0	625.198	38.555	2371.223	1.36%	90.56%
33.0	530.678	34.053	2405.276	1.20%	91.86%
34.0	441.275	29.414	2434.69	1.04%	92.99%
35.0	366.669	25.092	2459.782	0.89%	93.95%
36.0	295.828	21.094	2480.876	0.75%	94.75%
37.0	250.690	17.824	2498.7	0.63%	95.43%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	198.147	14.982	2513.682	0.53%	96.00%
39.0	155.059	12.056	2525.738	0.43%	96.46%
40.0	107.536	9.158	2534.896	0.32%	96.81%
41.0	83.351	6.797	2541.694	0.24%	97.07%
42.0	66.873	5.458	2547.151	0.19%	97.28%
43.0	55.335	4.527	2551.678	0.16%	97.45%
44.0	46.518	3.844	2555.523	0.14%	97.60%
45.0	40.467	3.343	2558.866	0.12%	97.73%
46.0	35.920	2.987	2561.853	0.11%	97.84%
47.0	32.622	2.726	2564.579	0.10%	97.95%
48.0	30.237	2.541	2567.12	0.09%	98.04%
49.0	28.351	2.406	2569.526	0.09%	98.14%
50.0	26.879	2.303	2571.829	0.08%	98.22%
51.0	25.670	2.223	2574.052	0.08%	98.31%
52.0	24.750	2.164	2576.215	0.08%	98.39%
53.0	24.120	2.126	2578.341	0.08%	98.47%
54.0	23.574	2.102	2580.443	0.07%	98.55%
55.0	23.246	2.090	2582.533	0.07%	98.63%
56.0	23.095	2.094	2584.627	0.07%	98.71%
57.0	23.036	2.109	2586.737	0.07%	98.79%
58.0	22.930	2.126	2588.862	0.08%	98.87%
59.0	22.700	2.133	2590.995	0.08%	98.96%
60.0	22.227	2.123	2593.118	0.08%	99.04%
61.0	21.202	2.073	2595.191	0.07%	99.12%
62.0	19.947	1.983	2597.173	0.07%	99.19%
63.0	18.338	1.862	2599.035	0.07%	99.26%
64.0	16.662	1.717	2600.753	0.06%	99.33%
65.0	14.921	1.563	2602.316	0.06%	99.39%
66.0	13.436	1.415	2603.731	0.05%	99.44%
67.0	12.286	1.293	2605.024	0.05%	99.49%
68.0	11.308	1.195	2606.219	0.04%	99.54%
69.0	10.414	1.108	2607.328	0.04%	99.58%
70.0	9.672	1.032	2608.359	0.04%	99.62%
71.0	9.001	0.965	2609.324	0.03%	99.66%
72.0	8.311	0.900	2610.224	0.03%	99.69%
73.0	7.753	0.840	2611.064	0.03%	99.72%
74.0	7.162	0.784	2611.849	0.03%	99.75%
75.0	6.610	0.728	2612.576	0.03%	99.78%

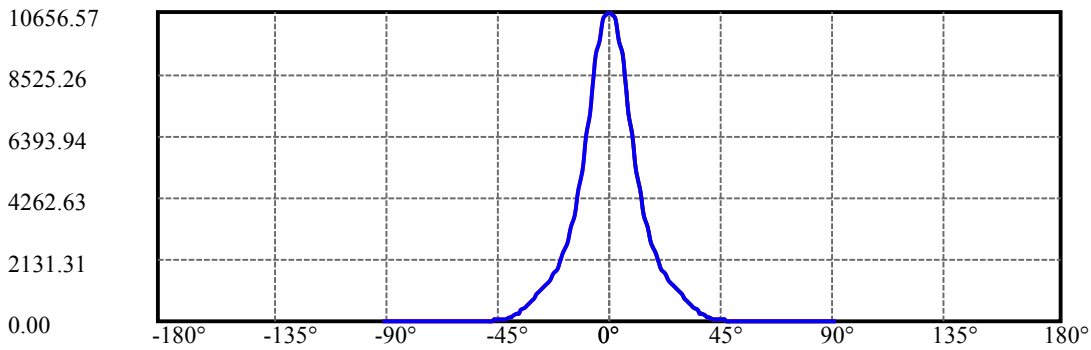
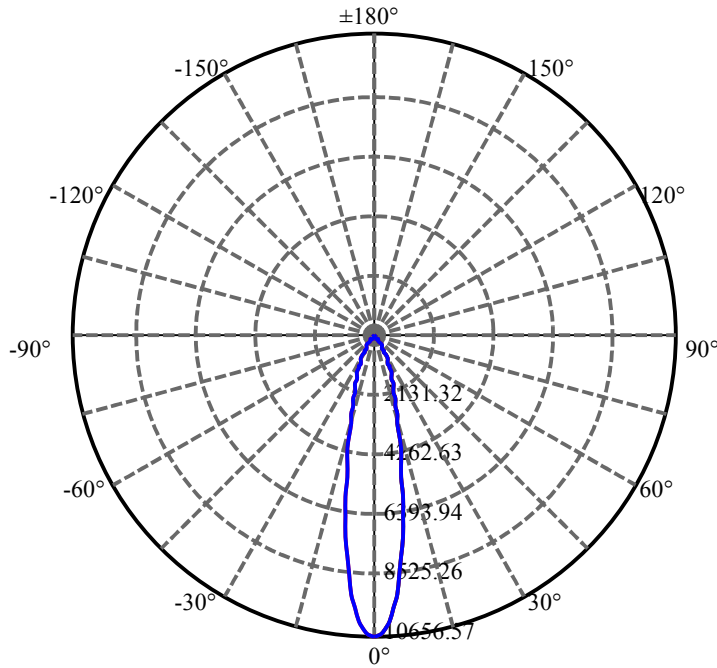
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.051	0.672	2613.248	0.02%	99.81%
77.0	5.565	0.619	2613.868	0.02%	99.83%
78.0	5.158	0.574	2614.442	0.02%	99.85%
79.0	4.678	0.528	2614.97	0.02%	99.87%
80.0	4.330	0.486	2615.456	0.02%	99.89%
81.0	3.929	0.447	2615.902	0.02%	99.91%
82.0	3.607	0.409	2616.311	0.01%	99.92%
83.0	3.219	0.371	2616.682	0.01%	99.94%
84.0	2.884	0.333	2617.015	0.01%	99.95%
85.0	2.536	0.296	2617.31	0.01%	99.96%
86.0	2.227	0.260	2617.571	0.01%	99.97%
87.0	1.951	0.229	2617.8	0.01%	99.98%
88.0	1.689	0.199	2617.999	0.01%	99.99%
89.0	1.452	0.172	2618.171	0.01%	99.99%
90.0	1.255	0.148	2618.319	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2289.88	81.03%	87.46%
0-40	2534.90	89.70%	96.81%
0-60	2593.12	91.76%	99.04%
0-90	2618.17	92.65%	99.99%
0-120	2618.17	92.65%	99.99%
0-180	2618.32	92.65%	100.00%
60-90	25.05	0.89%	0.96%
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%
0-26.23	2094.66	74.12%	80.00%

ZONAL LUMEN SUMMARY

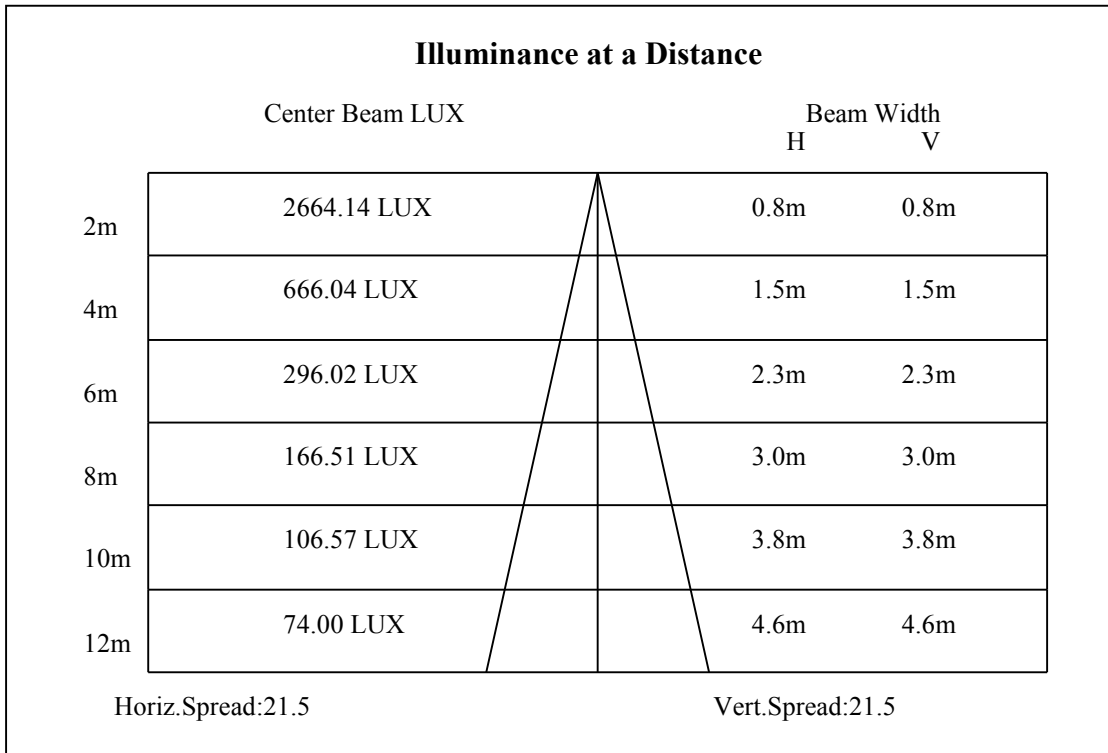
0-10	761.10
10-20	926.73
20-30	602.04
30-40	245.02
40-50	36.93
50-60	21.29
60-70	15.24
70-80	7.10
80-90	2.72
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

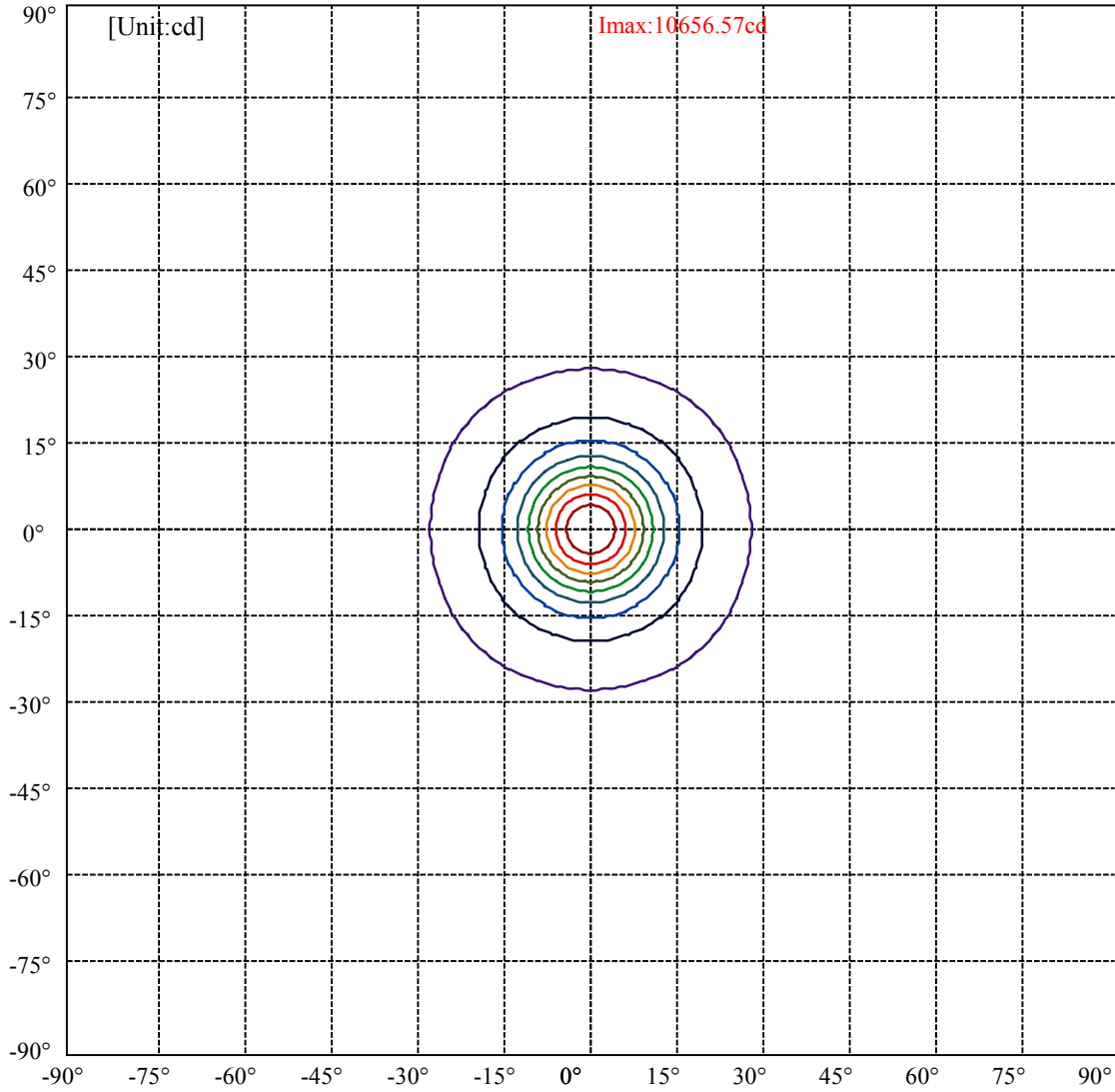


C0(Max): ———
C0/C180: ———
C90/C270: ———

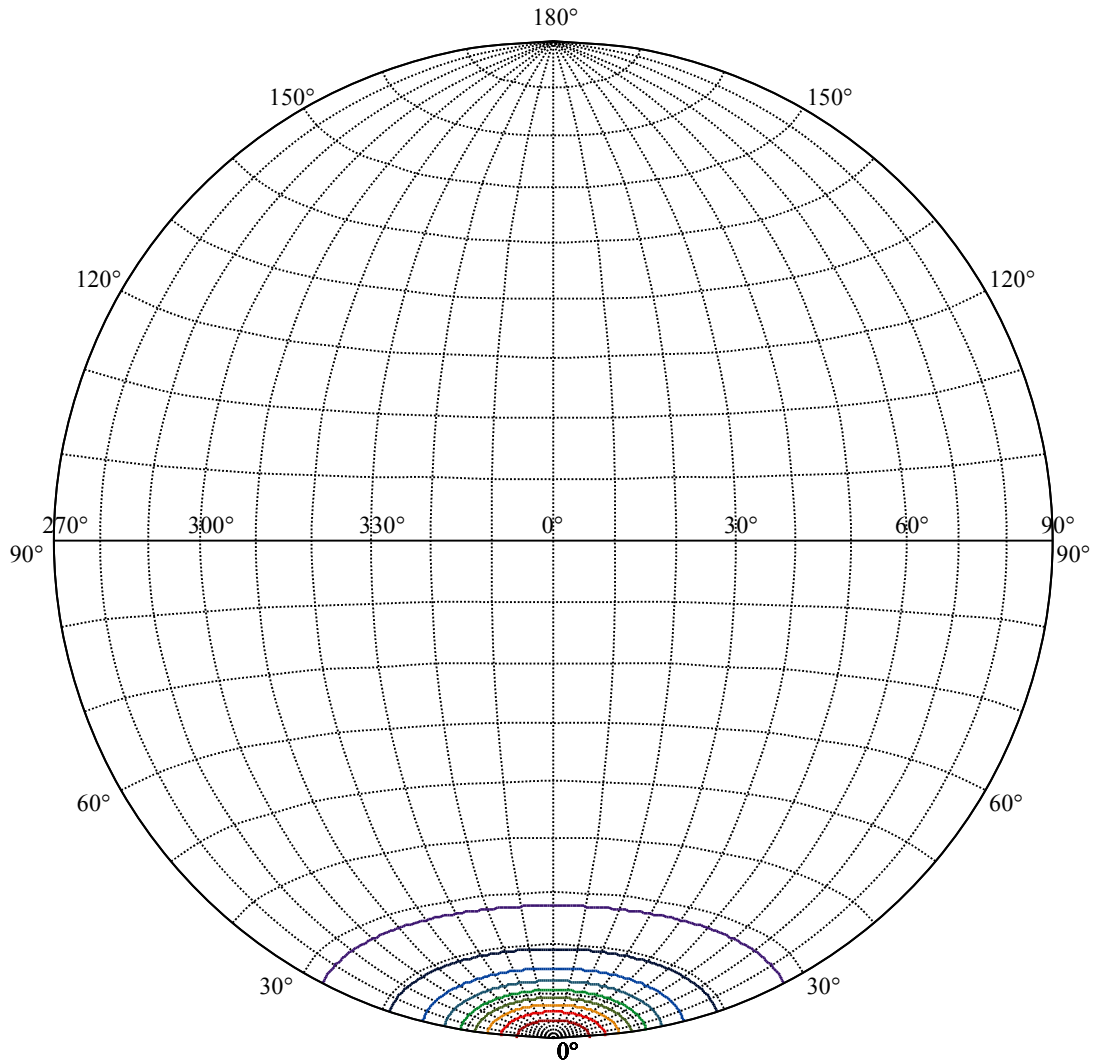
Field angle(10%Imax):C0/180Left:27.5 Right:27.5
:C90/270Left:27.5 Right:27.5

Beam Angle(50%Imax):C0/180Left:10.7 Right:10.7
:C90/270Left:10.7 Right:10.7





(10%Imax) 1065.66	—
(20%Imax) 2131.31	—
(30%Imax) 3196.97	—
(40%Imax) 4262.63	—
(50%Imax) 5328.29	—
(60%Imax) 6393.94	—
(70%Imax) 7459.6	—
(80%Imax) 8525.26	—
(90%Imax) 9590.92	—



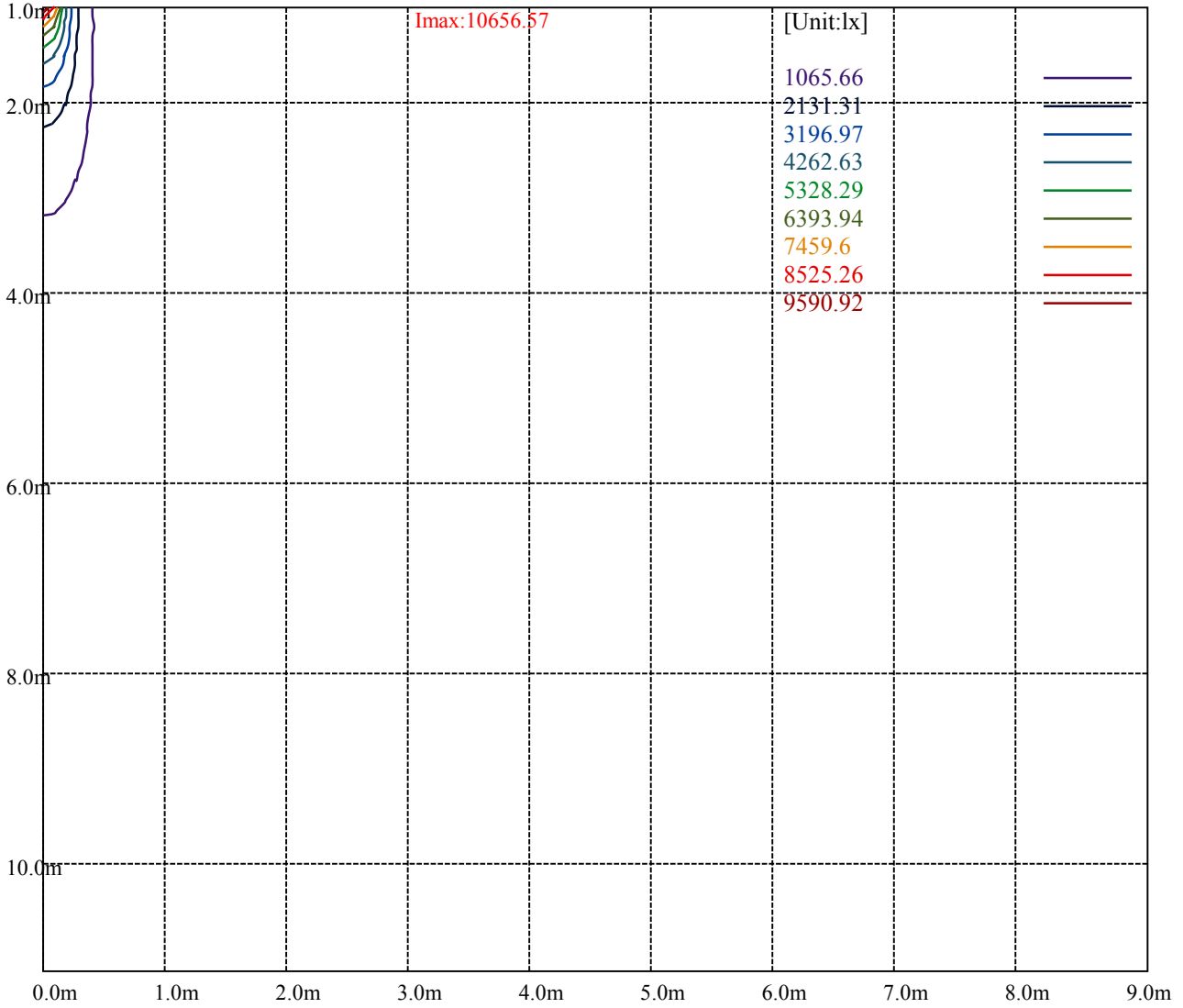
House

[Unit:cd]

Road

Imax:10656.57

(10%Imax) 1065.66	—
(20%Imax) 2131.31	—
(30%Imax) 3196.97	—
(40%Imax) 4262.63	—
(50%Imax) 5328.29	—
(60%Imax) 6393.94	—
(70%Imax) 7459.6	—
(80%Imax) 8525.26	—
(90%Imax) 9590.92	—



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

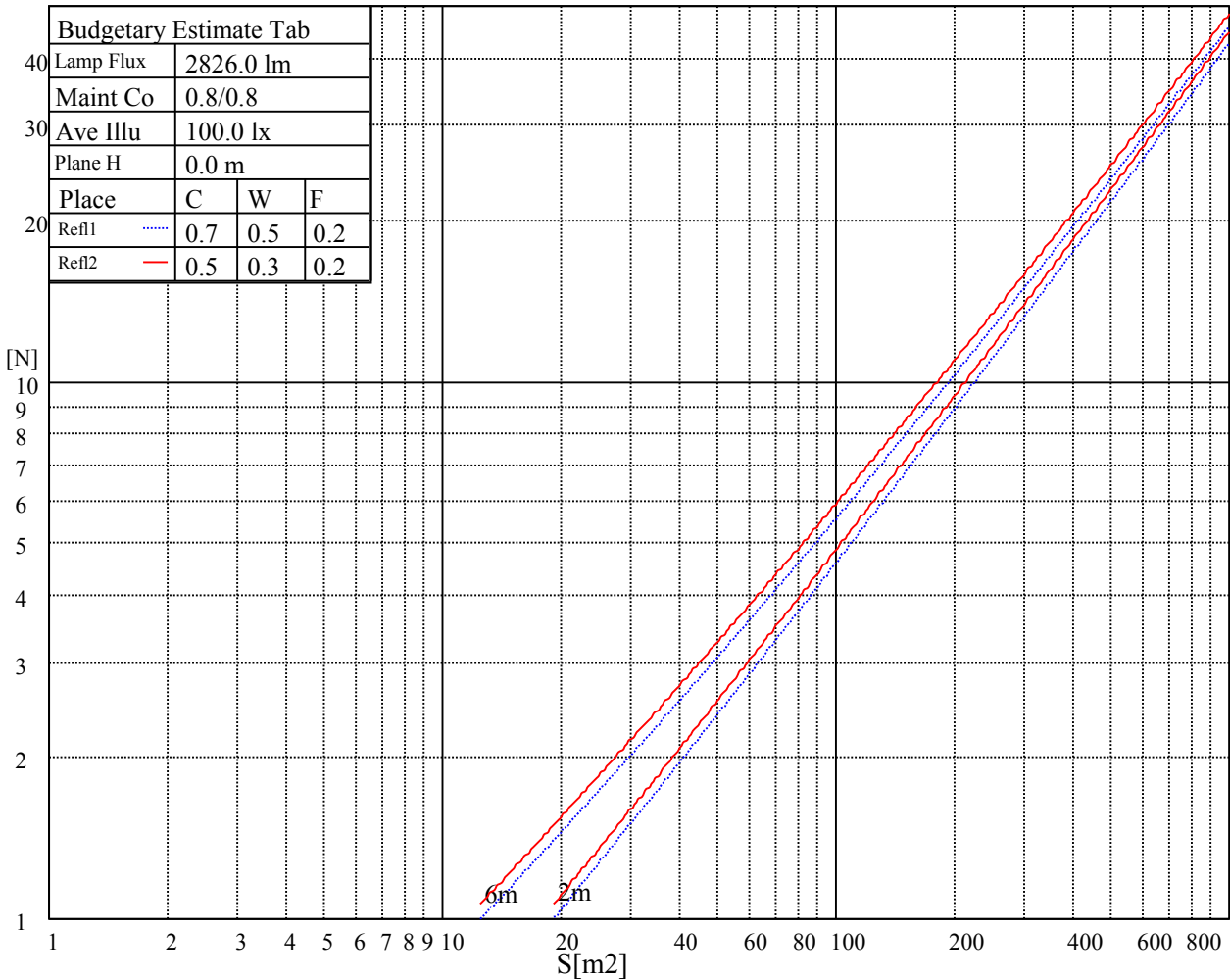
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

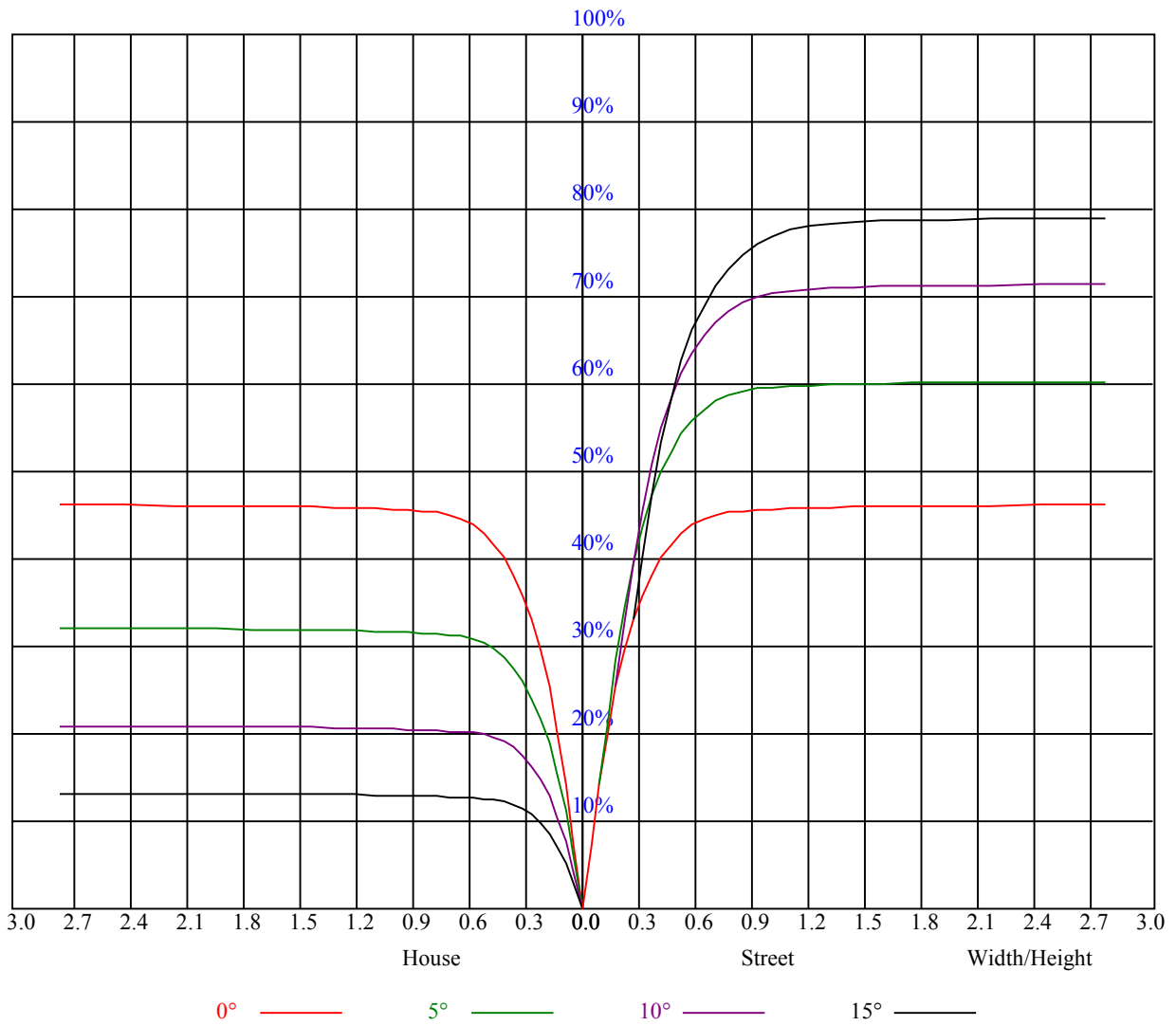


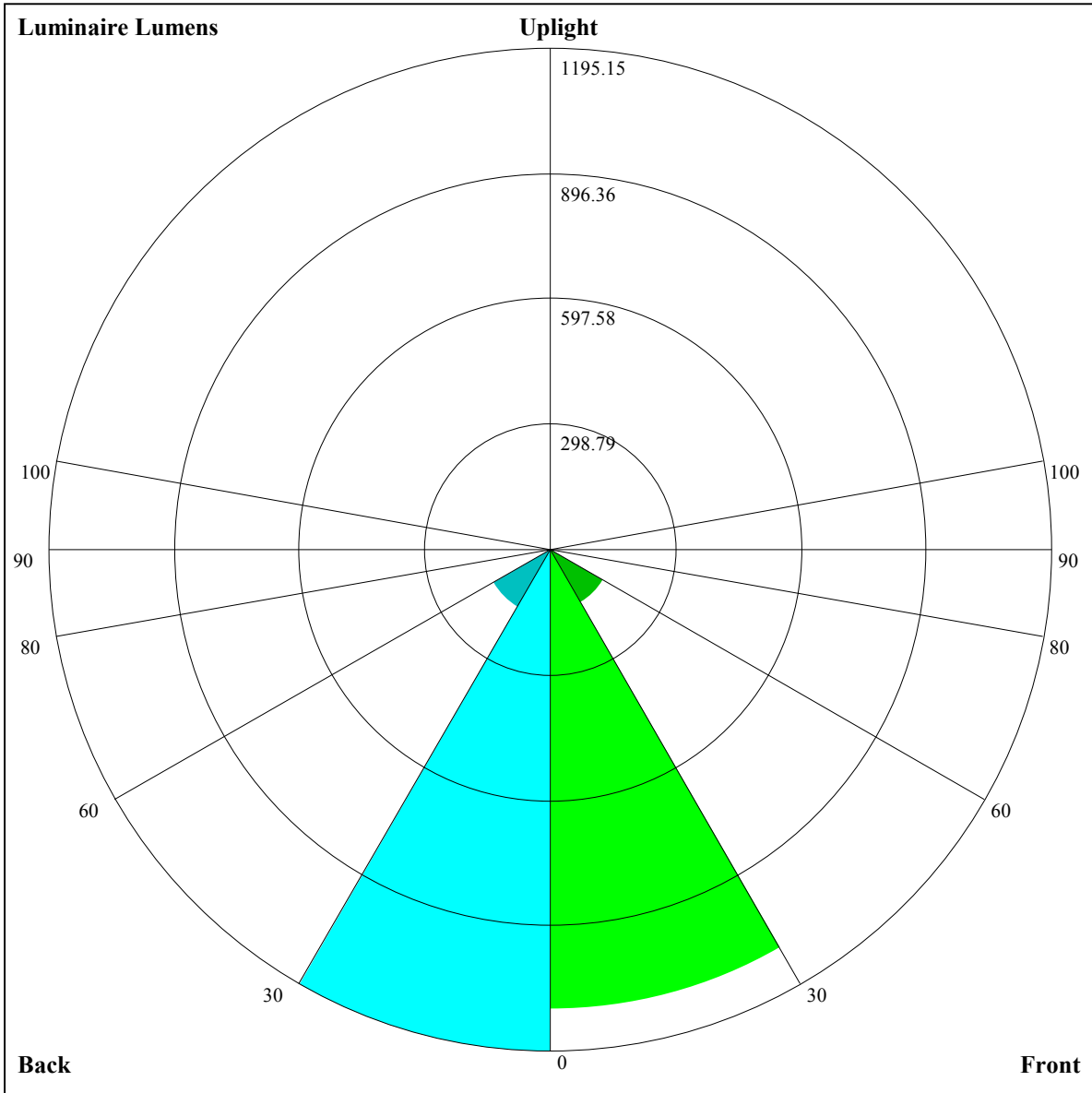
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOFC=20 CU															
0	1.10	1.10	1.10	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.88
2	0.98	0.95	0.92	0.97	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.88	0.89	0.87	0.86	0.84
3	0.93	0.89	0.86	0.92	0.89	0.86	0.90	0.87	0.84	0.87	0.85	0.83	0.85	0.84	0.82	0.81
4	0.89	0.85	0.81	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.83	0.80	0.78	0.77
5	0.85	0.81	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.76	0.80	0.77	0.75	0.74
6	0.81	0.77	0.74	0.81	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.71
7	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.74	0.72	0.69	0.68
8	0.75	0.71	0.68	0.75	0.70	0.68	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.66
9	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.70	0.67	0.64	0.63
10	0.70	0.66	0.63	0.70	0.65	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.68	0.65	0.62	0.61





Luminaire Lumens:

FL=1097.13,FM=147.13,FH=11.09,FVH=1.38

BL=1195.15,BM=159.86,BH=11.18,BVH=1.48

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	10537.89	10308.93	9917.81	9392.39	8771.68	8113.71	7411.68	6694.04	5976.41
45.0	10739.62	10557.39	10392.50	9999.70	9256.41	8860.88	8202.27	7481.33	6756.44
90.0	10593.60	10315.02	9902.20	9371.79	8742.72	8052.42	7301.35	6564.79	5861.66
135.0	10755.18	10713.39	10541.25	10255.42	9811.37	9246.43	8614.05	7934.84	7185.45
180.0	10537.89	10713.39	10728.48	10643.22	10459.36	10111.13	9610.21	9005.69	8308.71
225.0	10739.62	10822.09	10765.22	10604.75	10332.32	9889.37	9277.07	8534.36	7734.83
270.0	10593.60	10753.55	10798.12	10728.48	10522.85	10350.71	9690.48	9330.53	8636.86
315.0	10755.18	10674.45	10471.61	10126.74	9639.23	9041.91	8362.75	7632.86	6885.16
360.0	10537.89	10308.93	9917.81	9392.39	8771.68	8113.71	7411.68	6694.04	5976.41
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5313.96	4709.44	4174.57	3713.23	3314.85	2968.84	2671.91	2422.82	2206.68
45.0	6033.81	5366.89	4759.59	4229.70	3768.94	3364.42	3012.30	2714.22	2455.72
90.0	5218.14	4630.86	4112.17	3667.55	3289.20	2962.16	2720.90	2421.71	2243.42
135.0	6602.11	5804.27	5184.13	4725.58	4209.10	3753.33	3354.96	3009.52	2704.18
180.0	7575.47	6814.94	6077.80	5409.21	4811.94	4298.25	3832.44	3431.86	3073.07
225.0	6954.23	6194.28	5480.53	4855.41	4326.10	3863.08	3441.32	3063.55	2870.23
270.0	7558.75	7072.39	6293.47	5585.87	4956.28	4396.33	3900.45	3470.86	3090.31
315.0	6160.27	5488.89	5113.91	4322.21	4017.98	3562.79	3172.20	2829.54	2537.61
360.0	5313.96	4709.44	4174.57	3713.23	3314.85	2968.84	2671.91	2422.82	2206.68
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2021.13	1857.30	1714.69	1587.65	1521.89	1416.61	1278.43	1088.31	1088.31
45.0	2235.06	2051.20	1886.31	1745.86	1618.87	1505.76	1418.82	1296.24	1216.56
90.0	2052.88	1885.73	1740.87	1616.61	1502.39	1399.90	1306.86	1074.80	1074.80
135.0	2438.43	2212.78	2016.67	1850.09	1701.29	1569.83	1452.83	1341.40	1236.64
180.0	2760.48	2480.79	2238.95	2021.66	1903.03	1680.16	1591.54	1466.76	1306.86
225.0	2569.94	2213.35	2080.74	1880.74	1701.29	1548.65	1416.03	1300.71	1080.00
270.0	2756.59	2460.71	2210.57	1994.38	1811.09	1658.40	1526.94	1410.46	1345.86
315.0	2289.68	2080.16	1898.56	1738.66	1613.83	1495.72	1388.75	1292.93	1107.44
360.0	2021.13	1857.30	1714.69	1587.65	1521.89	1416.61	1278.43	1088.31	1088.31
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1026.76	921.11	815.40	712.54	613.77	516.06	428.02	362.58	274.80
45.0	1116.27	1013.19	906.81	802.63	697.87	597.00	500.61	414.25	336.82
90.0	1011.99	901.97	793.27	685.31	582.66	524.36	434.85	324.47	281.52
135.0	1132.46	1031.59	927.41	826.55	764.73	622.08	565.26	473.90	391.43
180.0	1241.63	1139.71	1039.42	940.76	843.84	740.19	641.05	545.76	455.51
225.0	1080.00	981.39	878.32	777.87	673.59	615.30	485.15	403.47	356.58
270.0	1209.88	1151.96	1061.71	962.52	862.24	761.95	661.08	565.26	474.43
315.0	1107.44	1030.33	930.78	828.60	726.05	624.65	529.41	440.53	362.26
360.0	1026.76	921.11	815.40	712.54	613.77	516.06	428.02	362.58	274.80
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	213.67	171.62	123.00	98.61	76.06	58.40	50.46	43.47	38.42
45.0	293.35	293.35	175.56	119.37	91.51	78.58	62.55	51.30	43.57
90.0	219.45	168.62	127.78	97.45	75.16	59.76	48.94	41.26	35.85
135.0	316.22	287.78	228.54	143.81	108.59	82.73	64.91	52.25	43.63
180.0	376.40	305.60	280.00	280.00	150.01	108.33	87.67	68.86	55.45
225.0	264.18	229.23	179.13	138.82	107.96	84.42	67.07	55.03	46.73
270.0	392.54	320.11	293.35	225.55	145.07	111.17	86.04	74.59	60.29
315.0	290.83	229.23	177.82	136.87	105.91	83.42	67.33	55.93	48.20
360.0	213.67	171.62	123.00	98.61	76.06	58.40	50.46	43.47	38.42

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	34.90	32.38	30.33	28.96	27.81	26.91	26.28	25.76	25.55
45.0	38.27	34.27	31.22	28.80	27.02	25.65	24.65	24.02	23.60
90.0	31.80	28.70	26.28	24.49	23.18	22.23	21.55	21.24	21.08
135.0	38.74	33.69	30.70	28.86	26.65	25.55	24.44	23.55	22.81
180.0	46.10	39.47	34.69	31.22	28.44	26.28	24.60	23.29	22.23
225.0	40.74	36.22	32.75	30.12	27.91	26.07	24.55	23.29	22.71
270.0	50.35	43.63	38.74	35.32	32.69	30.64	28.91	27.49	26.33
315.0	42.84	39.00	36.27	34.11	33.11	31.70	30.38	29.38	28.65
360.0	34.90	32.38	30.33	28.96	27.81	26.91	26.28	25.76	25.55
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.39	25.44	25.49	25.34	24.81	23.81	22.92	20.03	18.55
45.0	23.44	23.39	23.60	24.07	24.34	24.18	23.71	22.44	20.87
90.0	21.08	21.39	21.60	21.71	21.60	21.03	19.87	18.13	16.19
135.0	22.44	22.18	22.18	22.39	22.50	22.60	22.18	21.29	19.76
180.0	21.34	20.71	20.34	20.08	20.08	20.29	20.29	20.34	19.76
225.0	21.60	21.03	20.81	20.60	20.66	20.81	20.97	20.87	20.29
270.0	25.34	24.39	23.60	23.18	22.92	22.65	22.50	22.29	21.60
315.0	27.96	27.44	27.12	26.91	26.54	26.23	25.39	24.23	22.55
360.0	25.39	25.44	25.49	25.34	24.81	23.81	22.92	20.03	18.55
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.29	14.51	13.09	12.04	11.04	10.20	9.51	8.78	8.04
45.0	18.61	16.35	14.51	13.09	11.93	10.99	10.14	9.41	8.62
90.0	14.40	13.04	11.83	10.83	10.14	9.51	8.83	8.25	7.73
135.0	17.92	16.03	14.35	13.09	12.04	11.14	10.67	9.93	9.30
180.0	19.19	17.92	16.29	14.51	13.04	11.72	10.83	9.93	9.30
225.0	19.13	17.40	15.51	13.61	12.19	11.04	10.14	9.41	8.83
270.0	20.71	19.87	17.40	15.51	14.45	13.04	11.77	10.83	10.09
315.0	20.45	18.19	16.40	14.82	13.46	12.83	11.41	10.83	10.09
360.0	16.29	14.51	13.09	12.04	11.04	10.20	9.51	8.78	8.04
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.46	6.89	6.36	5.78	5.31	4.99	4.73	4.10	3.84
45.0	7.99	7.41	6.83	6.20	5.68	5.10	4.78	4.31	3.94
90.0	7.15	6.68	6.15	5.89	5.15	4.73	4.57	3.94	3.68
135.0	8.73	8.09	7.46	6.83	6.20	5.73	5.20	4.78	4.36
180.0	8.73	8.25	7.73	7.15	6.73	6.25	5.78	5.31	4.94
225.0	8.20	7.62	7.04	6.57	6.10	5.73	5.20	4.84	4.52
270.0	9.36	8.62	7.99	7.41	6.83	6.20	5.73	5.26	4.89
315.0	8.88	8.46	7.73	7.04	6.41	5.78	5.26	4.89	4.47
360.0	7.46	6.89	6.36	5.78	5.31	4.99	4.73	4.10	3.84
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.47	3.21	2.84	2.63	2.37	2.05	1.84	1.52	1.31
45.0	3.63	3.21	2.84	2.63	2.10	1.89	1.58	1.37	1.10
90.0	3.15	2.89	2.68	2.26	2.00	1.73	1.58	1.26	1.00
135.0	3.99	3.68	3.15	2.79	2.47	2.10	1.84	1.58	1.42
180.0	4.63	4.15	3.78	3.42	2.94	2.68	2.31	2.05	1.68
225.0	3.99	3.78	3.47	3.05	2.68	2.37	2.00	1.73	1.42
270.0	4.52	4.10	3.68	3.31	3.00	2.63	2.31	2.05	1.79
315.0	4.05	3.84	3.31	3.00	2.73	2.37	2.16	1.94	1.89
360.0	3.47	3.21	2.84	2.63	2.37	2.05	1.84	1.52	1.31

Intensity data(cd)

C/ γ (°)	90.0
0.0	1.26
45.0	1.10
90.0	1.05
135.0	1.00
180.0	1.47
225.0	1.26
270.0	1.58
315.0	1.31
360.0	1.26