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Nata

Client:

LumCAT: 2-2748-L

Luminaire: 92.70.411.00

Report No: 2024913-B002

Ballast type: AC

Test No: 2024913-C002

Voltage(V): 36.670

LampCAT: NICHIA NFCWJ130B-V3

Current(A): 0.580

Lamp flux(lm): 2833.0

Power (W): 21.260

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2635.68, Efficiency(%): 93.03% , Luminous Efficacy(lm/W): 123.97

Central intensity(cd): 13217.870, Maximum intensity(cd): 13217.870

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=17.8

[C90/270]Total=17.8

Field angle(10%Imax): [C0/180]Total=48.6

[C90/270]Total=48.6

Maximum s/h(1/2): C0_180=0.30 C90_270=0.30

Maximum s/h(1/4): C0_180=0.34 C90_270=0.34

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.03%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.148%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/9/13
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	13217.866	0.000	0	0.00%	0.00%
1.0	13116.880	12.601	12.601	0.44%	0.48%
2.0	12661.367	36.999	49.6	1.31%	1.88%
3.0	12144.566	59.328	108.928	2.09%	4.13%
4.0	11398.244	78.805	187.733	2.78%	7.12%
5.0	10709.169	95.105	282.838	3.36%	10.73%
6.0	9767.847	107.612	390.45	3.80%	14.81%
7.0	8572.596	113.839	504.289	4.02%	19.13%
8.0	7559.184	115.452	619.741	4.08%	23.51%
9.0	6481.633	113.793	733.534	4.02%	27.83%
10.0	5629.661	109.603	843.137	3.87%	31.99%
11.0	4910.717	105.320	948.457	3.72%	35.99%
12.0	4300.828	100.695	1049.152	3.55%	39.81%
13.0	3864.986	96.908	1146.06	3.42%	43.48%
14.0	3461.044	93.773	1239.833	3.31%	47.04%
15.0	3122.916	90.388	1330.22	3.19%	50.47%
16.0	2834.794	87.297	1417.517	3.08%	53.78%
17.0	2645.076	85.336	1502.853	3.01%	57.02%
18.0	2449.688	84.002	1586.855	2.97%	60.21%
19.0	2165.319	80.292	1667.147	2.83%	63.25%
20.0	1934.491	75.038	1742.185	2.65%	66.10%
21.0	1773.814	71.207	1813.392	2.51%	68.80%
22.0	1624.214	68.285	1881.676	2.41%	71.39%
23.0	1496.967	65.491	1947.167	2.31%	73.88%
24.0	1362.006	62.507	2009.675	2.21%	76.25%
25.0	1242.873	59.229	2068.904	2.09%	78.50%
26.0	1142.525	56.308	2125.211	1.99%	80.63%
27.0	1073.208	54.208	2179.42	1.91%	82.69%
28.0	993.011	52.312	2231.732	1.85%	84.67%
29.0	898.733	49.493	2281.226	1.75%	86.55%
30.0	803.096	45.949	2327.175	1.62%	88.30%
31.0	702.872	41.909	2369.083	1.48%	89.89%
32.0	605.290	37.477	2406.561	1.32%	91.31%
33.0	518.424	33.105	2439.666	1.17%	92.56%
34.0	421.742	28.452	2468.118	1.00%	93.64%
35.0	335.855	23.528	2491.646	0.83%	94.54%
36.0	278.391	19.558	2511.204	0.69%	95.28%
37.0	215.743	16.116	2527.32	0.57%	95.89%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	158.837	12.503	2539.823	0.44%	96.36%
39.0	101.833	8.897	2548.72	0.31%	96.70%
40.0	77.865	6.267	2554.987	0.22%	96.94%
41.0	65.716	5.113	2560.1	0.18%	97.13%
42.0	58.239	4.504	2564.604	0.16%	97.30%
43.0	52.129	4.088	2568.692	0.14%	97.46%
44.0	47.622	3.765	2572.457	0.13%	97.60%
45.0	43.548	3.504	2575.961	0.12%	97.73%
46.0	40.026	3.268	2579.229	0.12%	97.86%
47.0	36.728	3.053	2582.282	0.11%	97.97%
48.0	34.067	2.862	2585.144	0.10%	98.08%
49.0	31.656	2.699	2587.843	0.10%	98.18%
50.0	29.645	2.556	2590.398	0.09%	98.28%
51.0	28.049	2.441	2592.839	0.09%	98.37%
52.0	26.708	2.350	2595.189	0.08%	98.46%
53.0	25.920	2.289	2597.478	0.08%	98.55%
54.0	25.276	2.257	2599.735	0.08%	98.64%
55.0	24.895	2.240	2601.974	0.08%	98.72%
56.0	24.665	2.239	2604.214	0.08%	98.81%
57.0	24.547	2.250	2606.464	0.08%	98.89%
58.0	24.304	2.259	2608.723	0.08%	98.98%
59.0	24.021	2.259	2610.982	0.08%	99.06%
60.0	23.377	2.239	2613.221	0.08%	99.15%
61.0	22.339	2.182	2615.403	0.08%	99.23%
62.0	20.992	2.088	2617.491	0.07%	99.31%
63.0	19.192	1.954	2619.445	0.07%	99.38%
64.0	16.958	1.774	2621.219	0.06%	99.45%
65.0	14.744	1.569	2622.788	0.06%	99.51%
66.0	12.451	1.357	2624.145	0.05%	99.56%
67.0	10.513	1.155	2625.3	0.04%	99.61%
68.0	9.120	0.994	2626.294	0.04%	99.64%
69.0	8.035	0.875	2627.169	0.03%	99.68%
70.0	7.326	0.789	2627.958	0.03%	99.71%
71.0	6.715	0.726	2628.684	0.03%	99.73%
72.0	6.288	0.676	2629.36	0.02%	99.76%
73.0	5.854	0.635	2629.995	0.02%	99.78%
74.0	5.506	0.597	2630.592	0.02%	99.81%
75.0	5.158	0.563	2631.156	0.02%	99.83%

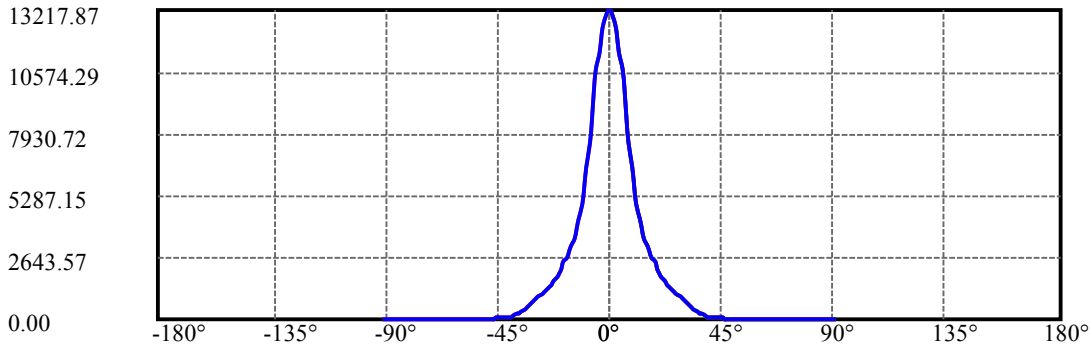
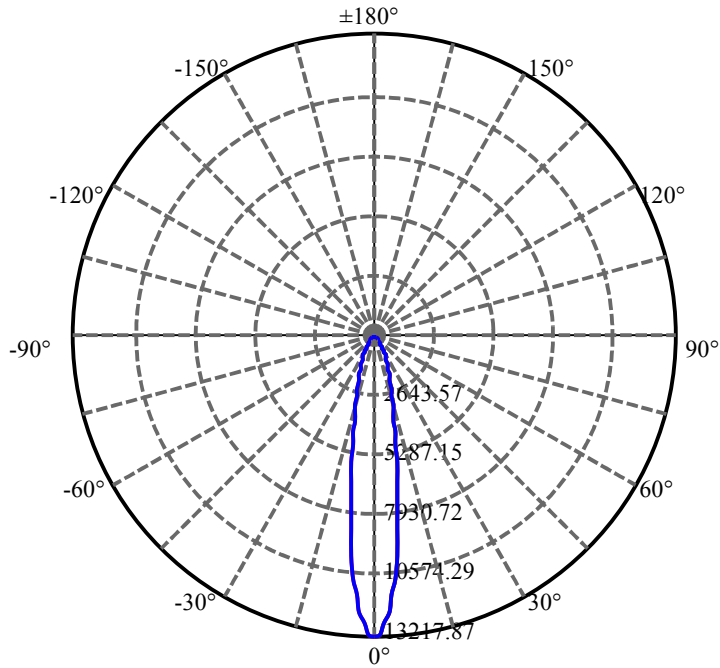
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.816	0.529	2631.685	0.02%	99.85%
77.0	4.527	0.498	2632.183	0.02%	99.87%
78.0	4.231	0.469	2632.652	0.02%	99.89%
79.0	3.857	0.435	2633.087	0.02%	99.90%
80.0	3.548	0.399	2633.486	0.01%	99.92%
81.0	3.180	0.364	2633.85	0.01%	99.93%
82.0	2.838	0.326	2634.176	0.01%	99.94%
83.0	2.503	0.290	2634.466	0.01%	99.95%
84.0	2.188	0.256	2634.722	0.01%	99.96%
85.0	1.932	0.225	2634.947	0.01%	99.97%
86.0	1.662	0.196	2635.143	0.01%	99.98%
87.0	1.432	0.169	2635.313	0.01%	99.99%
88.0	1.196	0.144	2635.457	0.01%	99.99%
89.0	1.025	0.122	2635.578	0.00%	100.00%
90.0	0.834	0.102	2635.68	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2327.17	82.15%	88.30%
0-40	2554.99	90.19%	96.94%
0-60	2613.22	92.24%	99.15%
0-90	2635.58	93.03%	100.00%
0-120	2635.58	93.03%	100.00%
0-180	2635.68	93.03%	100.00%
60-90	22.36	0.79%	0.85%
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%
0-25.70	2108.54	74.43%	80.00%

ZONAL LUMEN SUMMARY

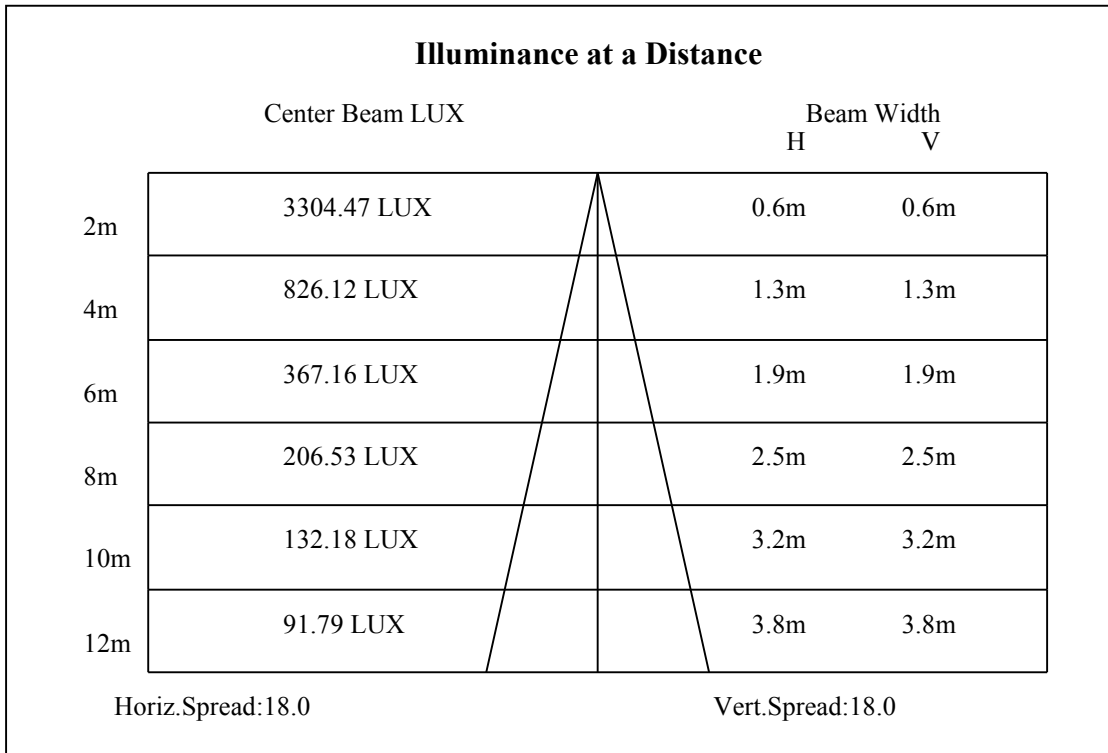
0-10	843.14
10-20	899.05
20-30	584.99
30-40	227.81
40-50	35.41
50-60	22.82
60-70	14.74
70-80	5.53
80-90	2.09
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

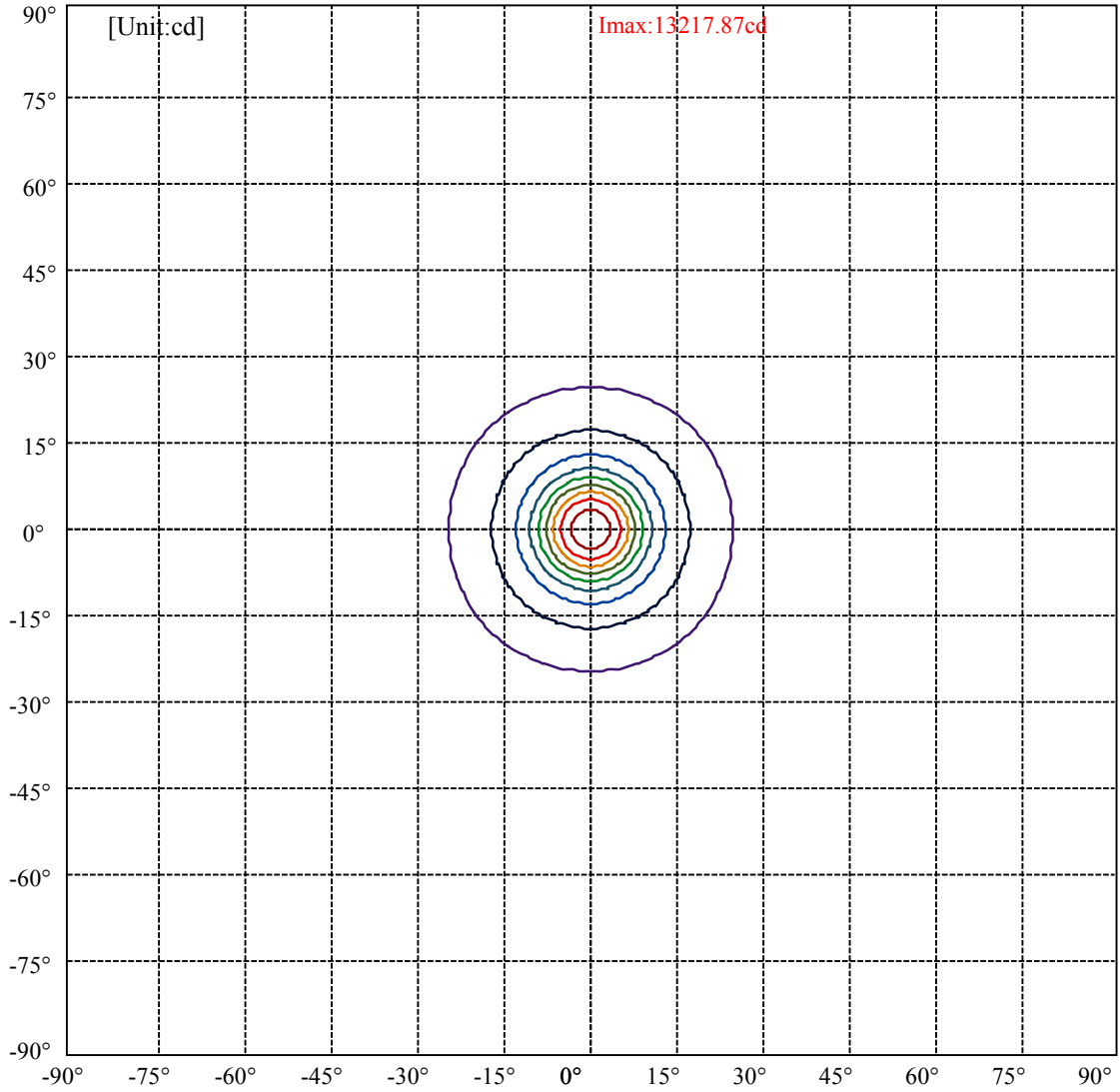


C0(Max): —————
C0/C180: —————
C90/C270: —————

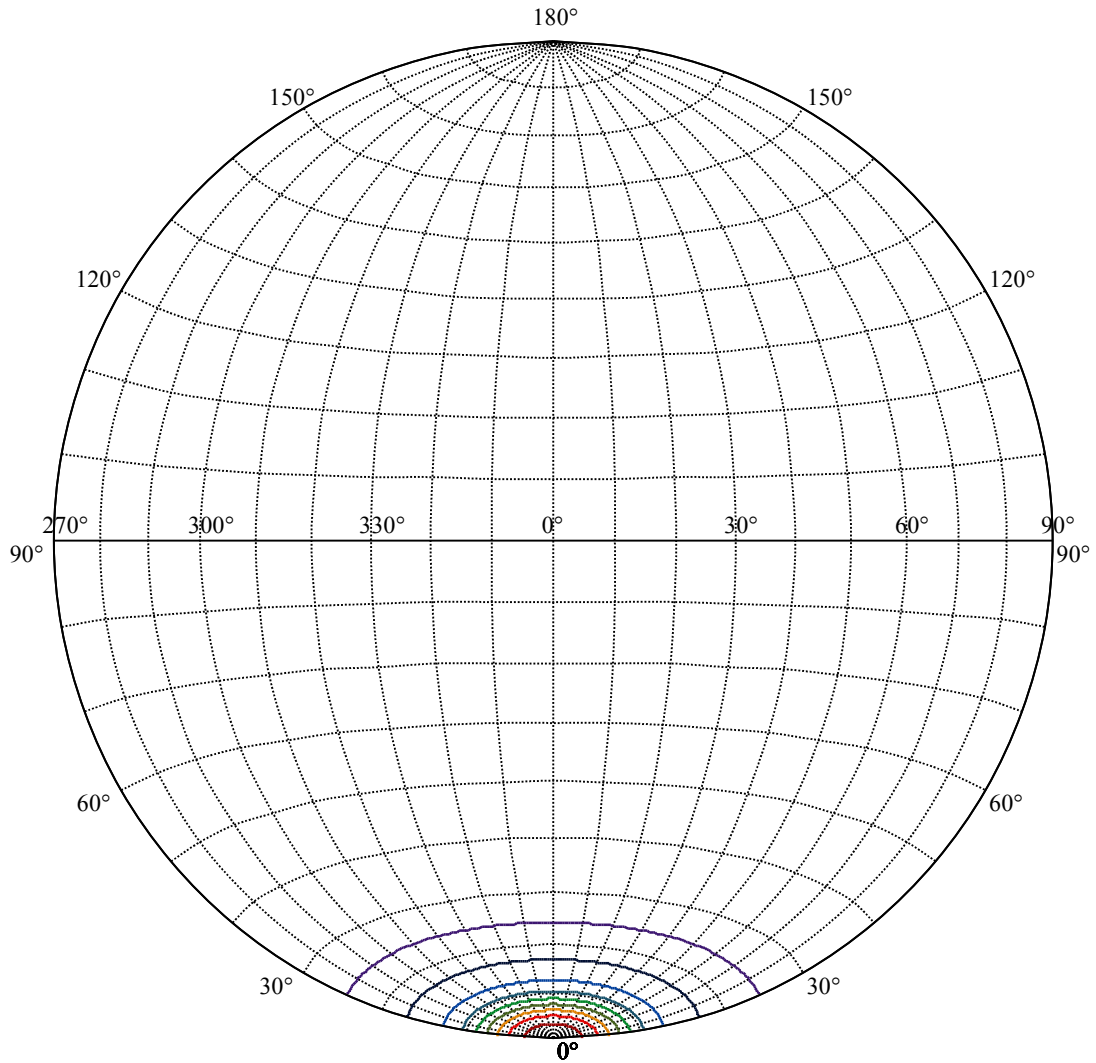
Field angle(10%Imax):C0/180Left:24.3 Right:24.3
:C90/270Left:24.3 Right:24.3

Beam Angle(50%Imax):C0/180Left:8.9 Right:8.9
:C90/270Left:8.9 Right:8.9





(10%Imax) 1321.79	—
(20%Imax) 2643.57	—
(30%Imax) 3965.36	—
(40%Imax) 5287.15	—
(50%Imax) 6608.93	—
(60%Imax) 7930.72	—
(70%Imax) 9252.51	—
(80%Imax) 10574.3	—
(90%Imax) 11896.1	—



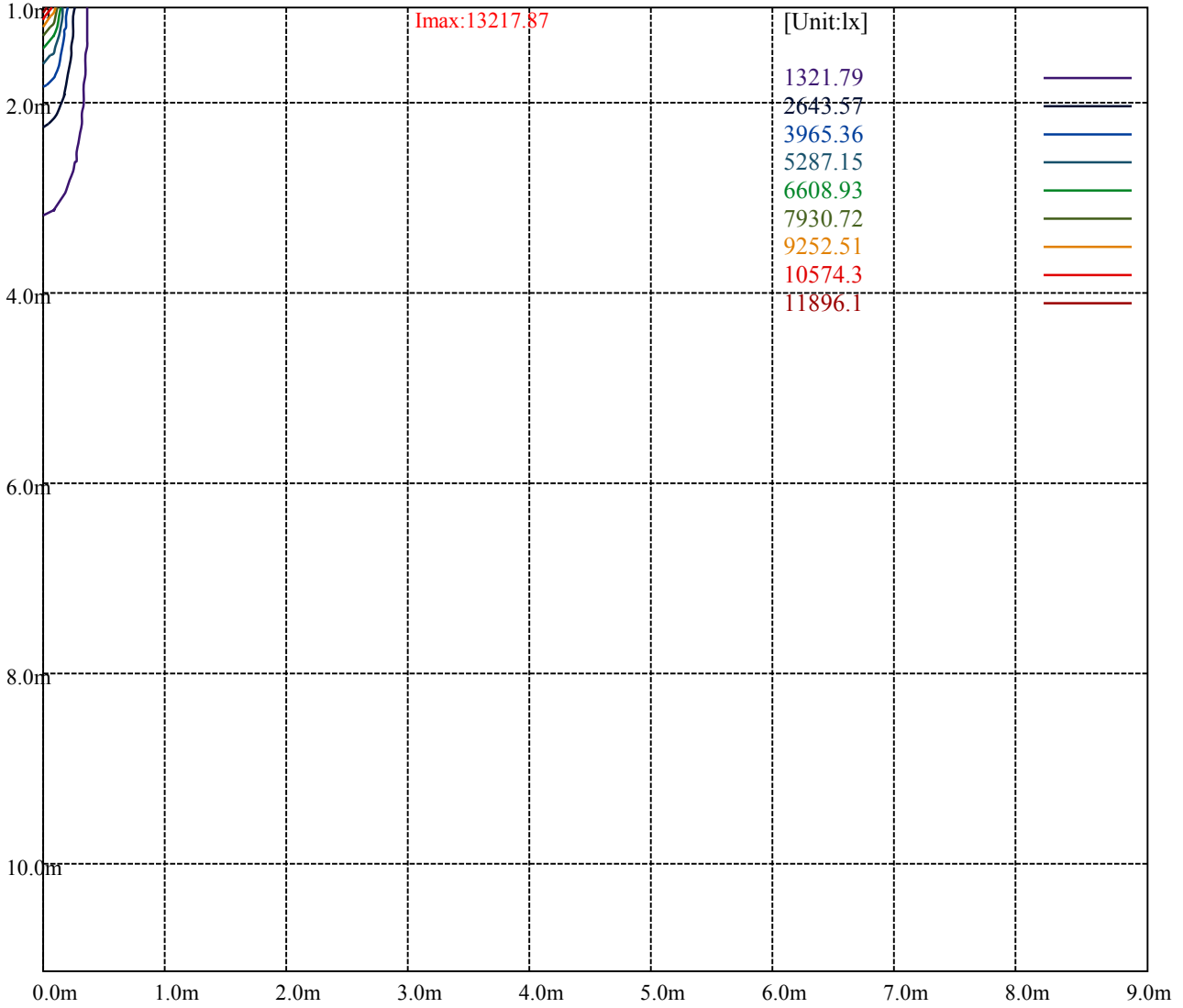
House

[Unit:cd]

Road

Imax:13217.87

(10%Imax) 1321.79	—
(20%Imax) 2643.57	—
(30%Imax) 3965.36	—
(40%Imax) 5287.15	—
(50%Imax) 6608.93	—
(60%Imax) 7930.72	—
(70%Imax) 9252.51	—
(80%Imax) 10574.3	—
(90%Imax) 11896.1	—



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

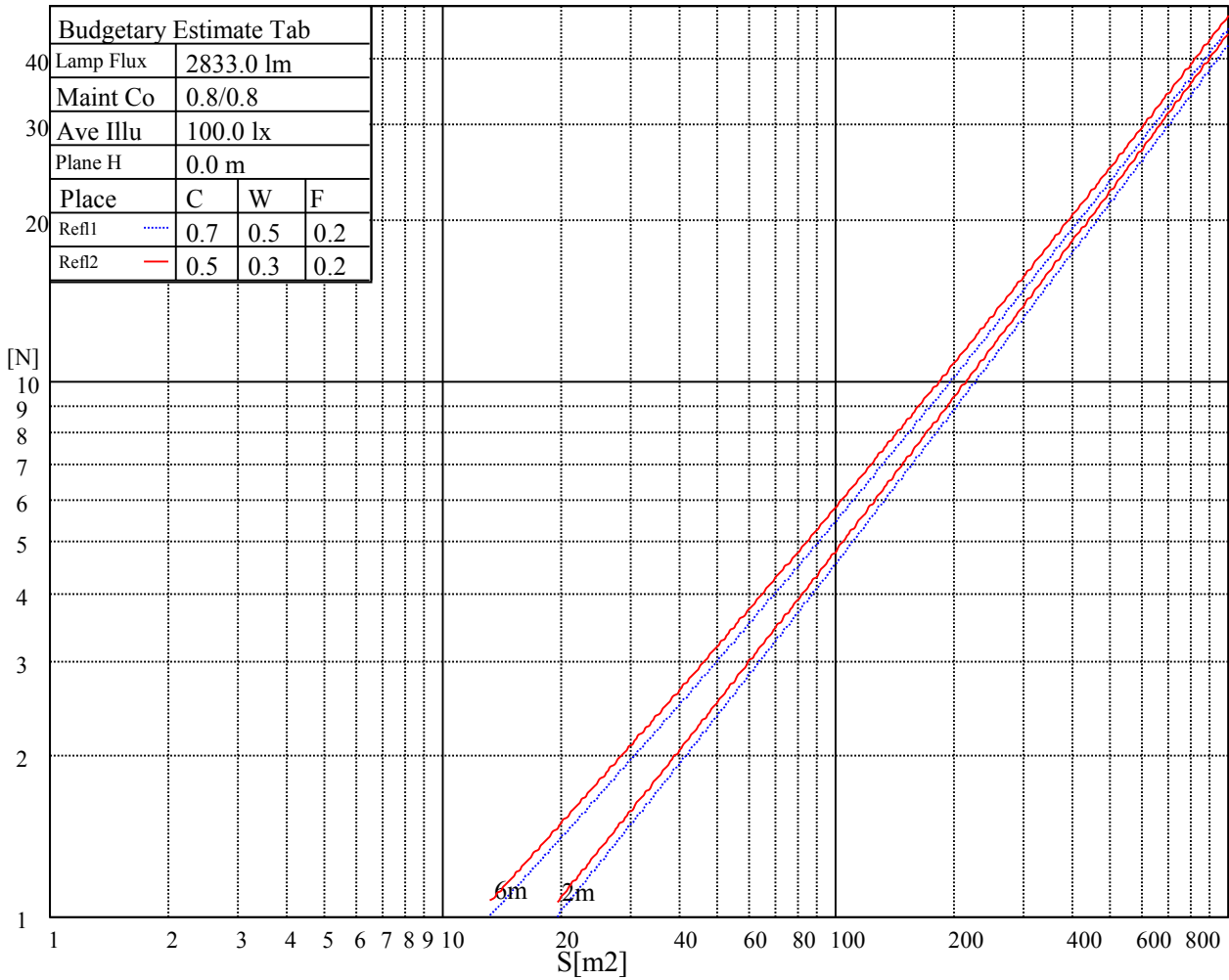
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

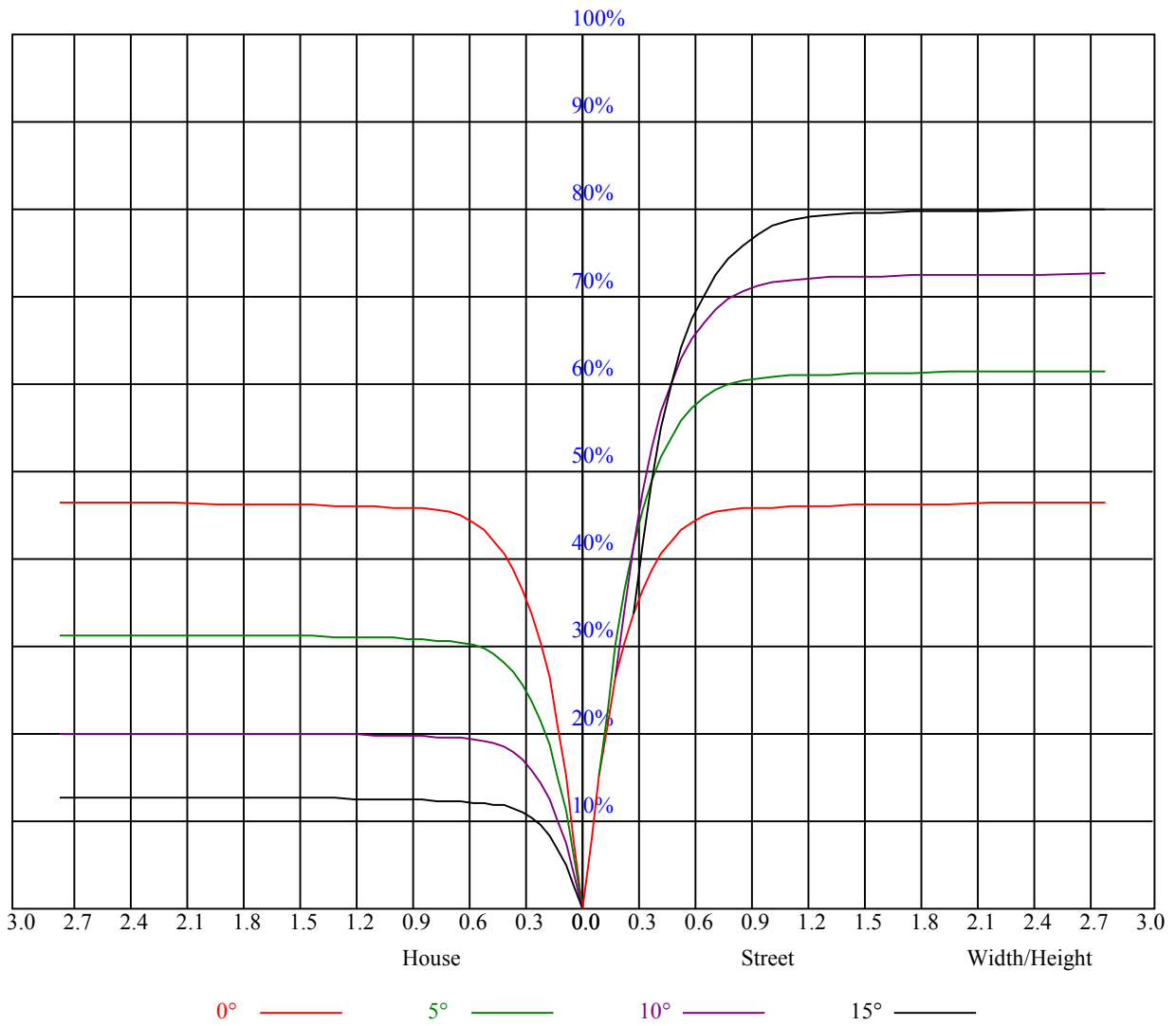


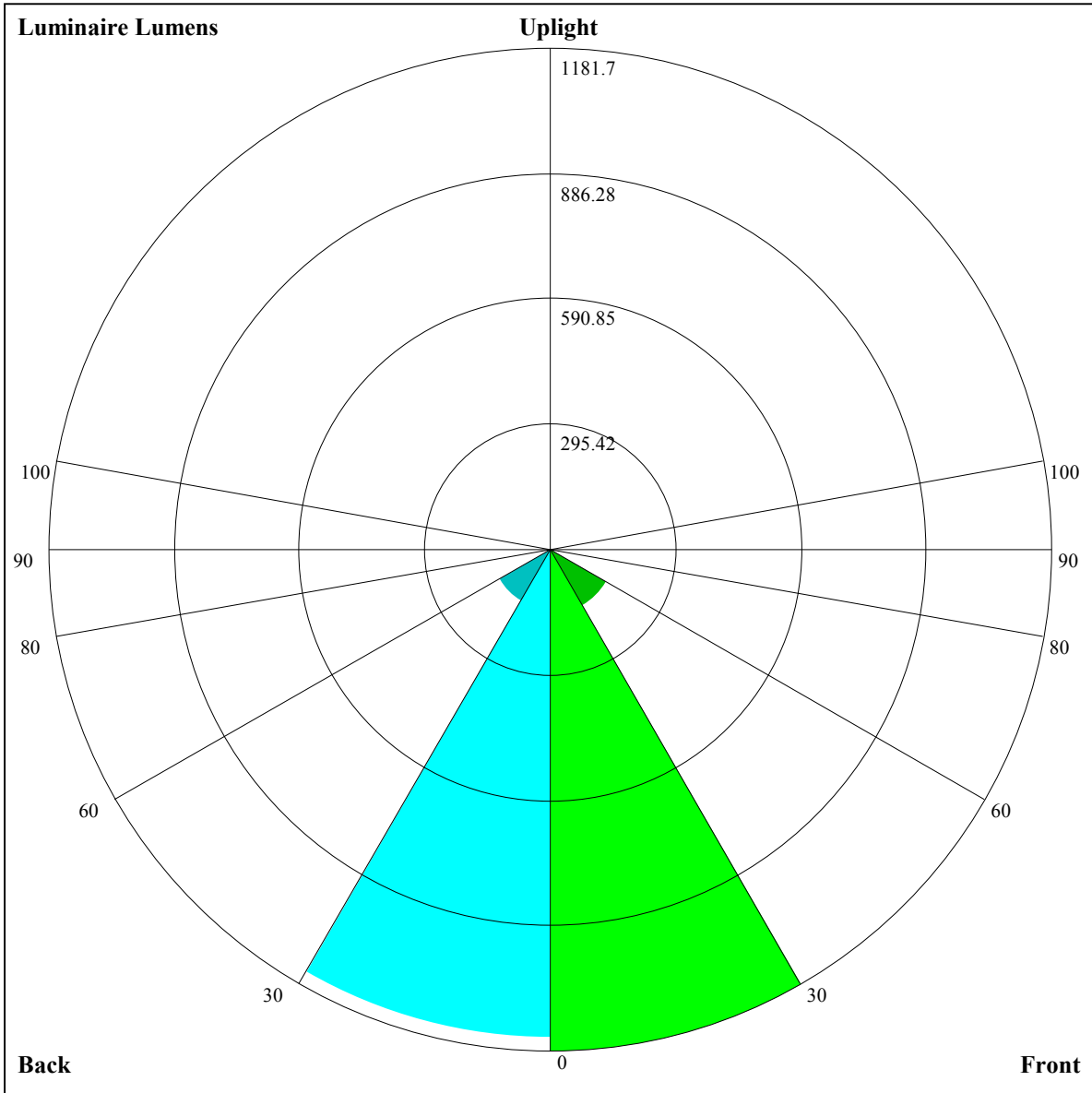
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	
8H	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	
12H	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	1.11	1.11	1.11	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	1.01	1.02	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.89
2	0.99	0.96	0.93	0.97	0.95	0.92	0.94	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.86	0.85
3	0.94	0.90	0.87	0.93	0.89	0.87	0.90	0.88	0.85	0.88	0.86	0.84	0.86	0.84	0.83	0.81
4	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.78
5	0.86	0.82	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.77	0.81	0.78	0.76	0.75
6	0.82	0.78	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.72
7	0.79	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.70
8	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.67
9	0.74	0.70	0.67	0.73	0.69	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.65
10	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63





Luminaire Lumens:

FL=1181.7,FM=150.57,FH=10.32,FVH=1.14

BL=1148.91,BM=139.43,BH=10.03,BVH=1.08

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	13263.83	13046.54	12645.38	12260.94	10793.08	10585.82	9469.29	8300.35	7178.78
45.0	13269.40	13191.40	12935.11	12472.66	11809.64	10951.61	10333.16	8745.24	8043.22
90.0	13029.82	12584.09	10700.62	10700.62	10486.64	9344.46	8154.39	7037.28	6053.89
135.0	13308.40	13102.25	12678.81	12054.79	11196.76	10149.29	8968.11	7770.21	6667.03
180.0	13263.83	13286.12	13107.83	12723.38	12116.08	11302.62	10266.30	9073.97	7859.36
225.0	13269.40	13135.68	12795.82	11085.06	11085.06	10242.59	9060.30	7865.77	7186.56
270.0	13029.82	13263.83	13297.26	13124.54	12762.39	12160.65	11358.34	10372.16	9218.83
315.0	13308.40	13325.12	13130.11	12734.53	10936.31	10936.31	10532.89	9415.78	8265.82
360.0	13263.83	13046.54	12645.38	12260.94	10793.08	10585.82	9469.29	8300.35	7178.78
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6195.96	5357.96	4694.41	4151.18	3708.23	3330.47	3060.77	2711.44	2450.67
45.0	6945.61	5647.42	5196.12	4560.95	4042.79	3619.35	3251.62	2939.61	2822.61
90.0	5247.63	4608.05	4084.32	3650.26	3278.06	2953.28	2666.86	2416.72	2196.64
135.0	5719.85	5257.41	4377.09	3892.36	3647.21	3279.48	2961.90	2844.89	2783.60
180.0	6756.17	5770.00	5001.11	4399.38	3920.22	3507.92	3162.48	2861.61	2861.61
225.0	5792.02	5312.28	4657.62	3930.52	3680.90	3310.39	2986.71	2702.55	2450.15
270.0	8043.22	6928.89	5953.86	5168.26	4521.95	4009.36	3591.49	3229.33	2911.75
315.0	7152.60	6155.28	5321.22	4653.73	4120.53	3678.11	3301.50	2972.20	2683.58
360.0	6195.96	5357.96	4694.41	4151.18	3708.23	3330.47	3060.77	2711.44	2450.67
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2270.75	2027.23	1877.95	1724.73	1563.16	1464.50	1350.86	1218.82	1105.70
45.0	2772.46	2198.85	2007.20	1835.01	1685.15	1574.83	1419.92	1327.47	1223.81
90.0	2040.06	1862.34	1674.01	1562.00	1432.75	1314.64	1095.24	1095.24	1045.31
135.0	2210.57	2016.09	1847.31	1694.09	1553.12	1421.08	1295.72	1183.13	1093.98
180.0	2744.60	2191.07	1992.17	1822.76	1670.65	1529.15	1400.42	1279.00	1171.99
225.0	2224.50	2028.91	1853.41	1700.76	1562.58	1433.85	1310.17	1108.07	1108.07
270.0	2911.75	2794.75	2217.24	2017.77	1845.63	1692.41	1556.43	1428.86	1310.75
315.0	2422.82	2203.31	2006.63	1833.38	1680.69	1545.28	1467.28	1302.39	1080.58
360.0	2270.75	2027.23	1877.95	1724.73	1563.16	1464.50	1350.86	1218.82	1105.70
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1074.69	984.65	885.73	780.19	680.74	581.50	484.31	390.70	336.24
45.0	1132.46	1045.00	955.27	858.35	757.48	657.19	558.00	458.82	365.78
90.0	956.37	858.29	755.53	654.35	557.16	462.71	408.67	289.36	214.19
135.0	1012.09	940.76	823.76	742.45	641.58	547.44	454.40	368.57	290.04
180.0	1085.63	1004.31	916.27	817.08	714.59	618.77	522.89	467.18	342.97
225.0	1039.53	951.49	858.50	758.00	656.56	557.69	461.81	371.62	292.46
270.0	1204.31	1112.38	1031.07	946.91	848.83	751.91	689.51	554.11	459.40
315.0	1080.58	1047.20	963.73	867.44	766.05	665.13	567.78	473.59	385.76
360.0	1074.69	984.65	885.73	780.19	680.74	581.50	484.31	390.70	336.24
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	255.09	186.75	132.88	95.14	76.27	66.33	59.03	53.72	48.78
45.0	280.53	280.53	211.93	107.07	91.14	76.53	67.44	60.50	54.77
90.0	175.61	107.02	88.88	72.80	64.70	57.87	52.83	47.94	43.47
135.0	290.04	150.28	101.08	71.91	62.34	55.40	52.19	45.99	41.89
180.0	295.03	295.03	143.97	96.50	70.49	60.87	54.30	49.41	45.26
225.0	222.81	159.37	108.49	78.27	64.91	57.56	51.98	47.41	43.15
270.0	405.36	319.53	319.53	159.79	108.49	77.69	65.02	57.71	52.19
315.0	302.65	227.44	163.94	133.19	84.57	73.48	63.13	54.35	51.46
360.0	255.09	186.75	132.88	95.14	76.27	66.33	59.03	53.72	48.78

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	44.26	40.68	37.48	34.69	32.22	30.01	28.44	27.17	26.02
45.0	49.57	44.94	41.16	37.63	34.74	32.06	29.91	28.44	27.17
90.0	39.79	36.58	33.90	31.48	29.38	28.02	26.91	26.02	25.49
135.0	39.63	36.58	33.90	31.54	29.44	27.75	26.49	25.55	25.07
180.0	41.05	37.63	34.69	32.17	29.91	28.02	27.07	25.28	24.55
225.0	39.32	37.27	33.48	31.96	29.59	27.91	26.39	25.18	24.76
270.0	47.83	43.68	39.89	36.79	34.22	31.85	29.75	28.07	27.28
315.0	46.94	42.84	39.32	36.27	33.75	31.54	29.44	27.96	27.02
360.0	44.26	40.68	37.48	34.69	32.22	30.01	28.44	27.17	26.02
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.23	24.97	24.70	24.49	24.18	23.86	22.97	21.97	20.66
45.0	26.07	25.44	25.18	24.81	24.49	24.39	23.60	22.60	21.71
90.0	25.34	25.49	25.23	25.18	24.60	24.02	22.71	21.34	19.03
135.0	24.55	24.65	24.81	24.70	24.70	24.65	23.65	22.13	20.81
180.0	24.39	23.97	23.60	23.86	24.02	23.76	23.60	22.97	21.45
225.0	24.34	23.86	23.86	23.86	23.39	22.92	22.50	21.18	19.97
270.0	26.23	25.55	24.97	24.55	24.49	24.34	24.28	23.81	22.92
315.0	26.07	25.23	24.97	24.91	24.55	24.23	23.71	22.71	21.39
360.0	25.23	24.97	24.70	24.49	24.18	23.86	22.97	21.97	20.66
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.66	16.56	14.09	11.56	9.78	8.73	7.83	7.25	6.68
45.0	19.76	17.92	15.77	13.19	10.72	9.36	8.30	7.57	6.89
90.0	16.45	13.88	11.30	9.57	8.46	7.67	7.04	6.52	6.04
135.0	18.45	15.82	13.51	11.35	9.57	8.52	7.57	6.89	6.41
180.0	20.13	18.08	15.66	13.35	10.78	9.25	8.20	7.31	6.68
225.0	18.03	15.45	13.40	11.20	9.83	8.67	7.36	6.99	6.47
270.0	21.50	20.29	18.03	15.45	13.40	11.04	9.36	8.30	7.46
315.0	20.55	17.66	16.19	13.93	11.56	9.72	8.62	7.78	7.10
360.0	18.66	16.56	14.09	11.56	9.78	8.73	7.83	7.25	6.68
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.20	5.83	5.41	5.10	4.78	4.47	4.26	3.73	3.57
45.0	6.41	5.99	5.68	5.26	4.89	4.57	4.26	3.94	3.73
90.0	5.73	5.31	4.99	4.63	4.31	4.05	3.78	3.26	2.94
135.0	5.99	5.62	5.26	4.89	4.63	4.26	3.94	3.57	3.21
180.0	6.41	5.78	5.47	5.15	4.89	4.63	4.26	3.99	3.68
225.0	6.04	5.68	5.26	4.94	4.68	4.36	4.05	3.68	3.36
270.0	6.94	6.47	6.20	5.83	5.31	5.10	4.84	4.57	4.15
315.0	6.57	6.15	5.78	5.47	5.05	4.78	4.47	4.10	3.73
360.0	6.20	5.83	5.41	5.10	4.78	4.47	4.26	3.73	3.57
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.10	2.79	2.47	2.21	1.94	1.68	1.42	1.16	1.10
45.0	3.15	2.94	2.63	2.26	1.94	1.73	1.42	1.21	1.00
90.0	2.68	2.31	2.05	1.84	1.58	1.31	1.16	0.95	0.95
135.0	2.89	2.63	2.26	1.94	1.73	1.47	1.31	1.05	0.79
180.0	3.31	2.84	2.52	2.16	1.89	1.58	1.42	1.21	1.00
225.0	3.05	2.73	2.37	2.05	1.84	1.58	1.37	1.10	0.89
270.0	3.84	3.36	3.00	2.68	2.37	2.05	1.79	1.52	1.26
315.0	3.42	3.10	2.73	2.37	2.16	1.89	1.58	1.37	1.21
360.0	3.10	2.79	2.47	2.21	1.94	1.68	1.42	1.16	1.10

Intensity data(cd)

C/γ(°)	90.0
0.0	0.68
45.0	0.84
90.0	0.89
135.0	0.84
180.0	0.68
225.0	0.68
270.0	1.05
315.0	1.00
360.0	0.68