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Nata

Client:

LumCAT: 2-2519-L

Luminaire: 92.70.411.00

Report No: 2024906-B012

Ballast type: AC

Test No: 2024906-C012

Voltage(V): 34.230

LampCAT: NICHIA NFCWJ108B-V3

Current(A): 0.563

Lamp flux(lm): 2557.0

Power (W): 19.260

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2304.45, Efficiency(%): 90.12% , Luminous Efficacy(lm/W): 119.65

Central intensity(cd): 7742.207, Maximum intensity(cd): 7742.207

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=26.4

[C90/270]Total=26.4

Field angle(10%Imax): [C0/180]Total=57.0

[C90/270]Total=57.0

Maximum s/h(1/2): C0_180=0.44 C90_270=0.44

Maximum s/h(1/4): C0_180=0.48 C90_270=0.48

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 90.12%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.057%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/9/6
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	7742.207	0.000	0	0.00%	0.00%
1.0	7715.117	7.396	7.396	0.29%	0.32%
2.0	7616.431	22.005	29.401	0.86%	1.28%
3.0	7449.210	36.032	65.433	1.41%	2.84%
4.0	7271.693	49.276	114.709	1.93%	4.98%
5.0	6979.932	61.310	176.019	2.40%	7.64%
6.0	6703.933	71.912	247.931	2.81%	10.76%
7.0	6370.056	81.150	329.081	3.17%	14.28%
8.0	5977.532	88.369	417.45	3.46%	18.11%
9.0	5587.939	93.732	511.182	3.67%	22.18%
10.0	5164.561	97.306	608.488	3.81%	26.40%
11.0	4743.082	98.998	707.486	3.87%	30.70%
12.0	4330.775	99.190	806.676	3.88%	35.01%
13.0	3956.294	98.347	905.023	3.85%	39.27%
14.0	3568.567	96.318	1001.341	3.77%	43.45%
15.0	3250.294	93.612	1094.953	3.66%	47.51%
16.0	2937.797	90.673	1185.626	3.55%	51.45%
17.0	2632.888	86.751	1272.376	3.39%	55.21%
18.0	2406.686	83.092	1355.468	3.25%	58.82%
19.0	2176.712	79.742	1435.21	3.12%	62.28%
20.0	1968.262	75.865	1511.074	2.97%	65.57%
21.0	1780.916	71.992	1583.066	2.82%	68.70%
22.0	1585.535	67.650	1650.716	2.65%	71.63%
23.0	1444.299	63.574	1714.29	2.49%	74.39%
24.0	1302.505	60.055	1774.345	2.35%	77.00%
25.0	1164.049	56.084	1830.429	2.19%	79.43%
26.0	1044.634	52.136	1882.566	2.04%	81.69%
27.0	946.145	48.705	1931.271	1.90%	83.81%
28.0	830.652	44.985	1976.255	1.76%	85.76%
29.0	719.587	40.559	2016.814	1.59%	87.52%
30.0	614.620	36.023	2052.837	1.41%	89.08%
31.0	516.118	31.467	2084.304	1.23%	90.45%
32.0	423.995	26.933	2111.237	1.05%	91.62%
33.0	342.326	22.576	2133.813	0.88%	92.60%
34.0	286.459	19.029	2152.842	0.74%	93.42%
35.0	215.769	15.597	2168.439	0.61%	94.10%
36.0	188.384	12.868	2181.308	0.50%	94.66%
37.0	152.182	11.107	2192.415	0.43%	95.14%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	119.934	9.083	2201.498	0.36%	95.53%
39.0	105.729	7.703	2209.201	0.30%	95.87%
40.0	93.975	6.965	2216.166	0.27%	96.17%
41.0	83.863	6.333	2222.498	0.25%	96.44%
42.0	75.887	5.804	2228.302	0.23%	96.70%
43.0	68.114	5.334	2233.637	0.21%	96.93%
44.0	60.460	4.853	2238.489	0.19%	97.14%
45.0	55.118	4.442	2242.931	0.17%	97.33%
46.0	49.764	4.102	2247.033	0.16%	97.51%
47.0	45.059	3.771	2250.804	0.15%	97.67%
48.0	41.064	3.482	2254.286	0.14%	97.82%
49.0	37.484	3.226	2257.511	0.13%	97.96%
50.0	34.389	2.997	2260.508	0.12%	98.09%
51.0	31.715	2.797	2263.305	0.11%	98.21%
52.0	29.409	2.623	2265.928	0.10%	98.33%
53.0	27.457	2.474	2268.401	0.10%	98.44%
54.0	25.861	2.350	2270.751	0.09%	98.54%
55.0	24.231	2.236	2272.987	0.09%	98.63%
56.0	22.884	2.129	2275.116	0.08%	98.73%
57.0	21.721	2.039	2277.156	0.08%	98.82%
58.0	20.414	1.948	2279.104	0.08%	98.90%
59.0	19.323	1.858	2280.962	0.07%	98.98%
60.0	18.082	1.767	2282.729	0.07%	99.06%
61.0	16.919	1.670	2284.399	0.07%	99.13%
62.0	15.815	1.577	2285.977	0.06%	99.20%
63.0	14.777	1.488	2287.465	0.06%	99.26%
64.0	13.850	1.405	2288.869	0.05%	99.32%
65.0	12.760	1.317	2290.186	0.05%	99.38%
66.0	11.932	1.232	2291.418	0.05%	99.43%
67.0	11.130	1.160	2292.578	0.05%	99.48%
68.0	10.342	1.088	2293.665	0.04%	99.53%
69.0	9.612	1.018	2294.683	0.04%	99.58%
70.0	8.916	0.952	2295.635	0.04%	99.62%
71.0	8.272	0.888	2296.523	0.03%	99.66%
72.0	7.641	0.827	2297.351	0.03%	99.69%
73.0	7.057	0.769	2298.119	0.03%	99.73%
74.0	6.439	0.709	2298.829	0.03%	99.76%
75.0	5.940	0.654	2299.483	0.03%	99.78%

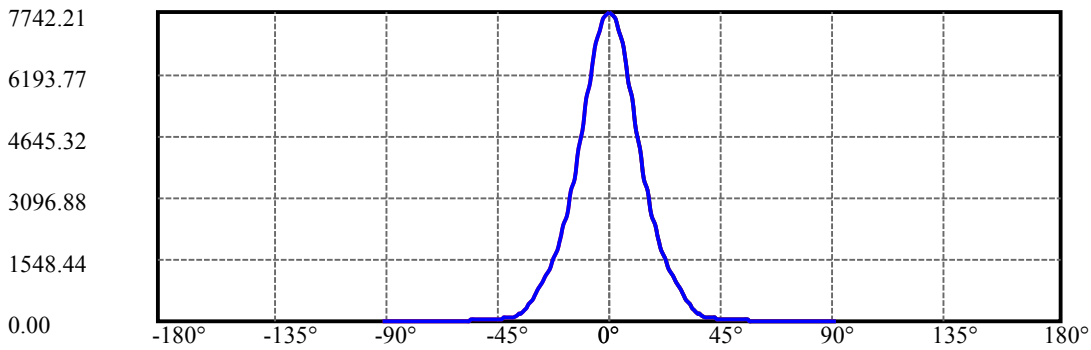
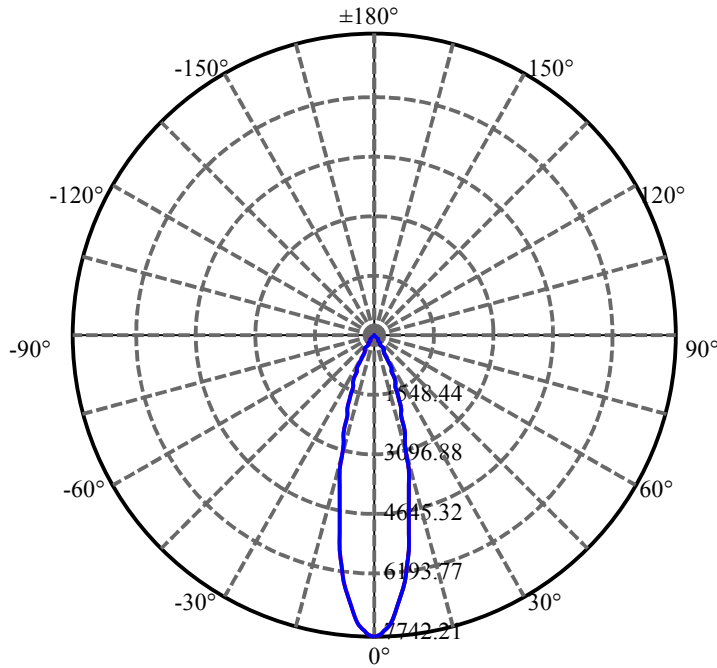
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.414	0.603	2300.086	0.02%	99.81%
77.0	4.934	0.552	2300.637	0.02%	99.83%
78.0	4.520	0.506	2301.143	0.02%	99.86%
79.0	4.100	0.463	2301.607	0.02%	99.88%
80.0	3.739	0.423	2302.029	0.02%	99.89%
81.0	3.384	0.385	2302.414	0.02%	99.91%
82.0	3.029	0.348	2302.762	0.01%	99.93%
83.0	2.707	0.312	2303.074	0.01%	99.94%
84.0	2.424	0.280	2303.353	0.01%	99.95%
85.0	2.109	0.247	2303.601	0.01%	99.96%
86.0	1.886	0.218	2303.819	0.01%	99.97%
87.0	1.629	0.192	2304.012	0.01%	99.98%
88.0	1.406	0.166	2304.178	0.01%	99.99%
89.0	1.216	0.144	2304.322	0.01%	99.99%
90.0	1.150	0.130	2304.451	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2052.84	80.28%	89.08%
0-40	2216.17	86.67%	96.17%
0-60	2282.73	89.27%	99.06%
0-90	2304.32	90.12%	99.99%
0-120	2304.32	90.12%	99.99%
0-180	2304.45	90.12%	100.00%
60-90	21.59	0.84%	0.94%
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%
0-25.25	1843.56	72.10%	80.00%

ZONAL LUMEN SUMMARY

0-10	608.49
10-20	902.59
20-30	541.76
30-40	163.33
40-50	44.34
50-60	22.22
60-70	12.91
70-80	6.39
80-90	2.29
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: —————

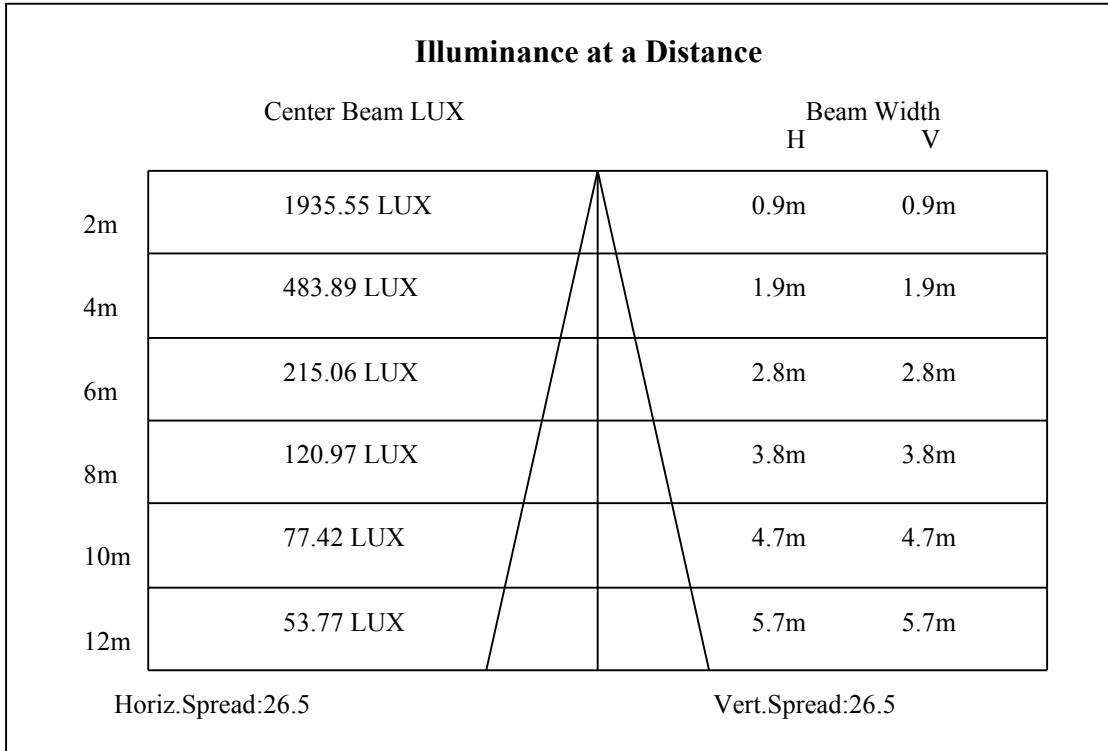
C90/C270: —————

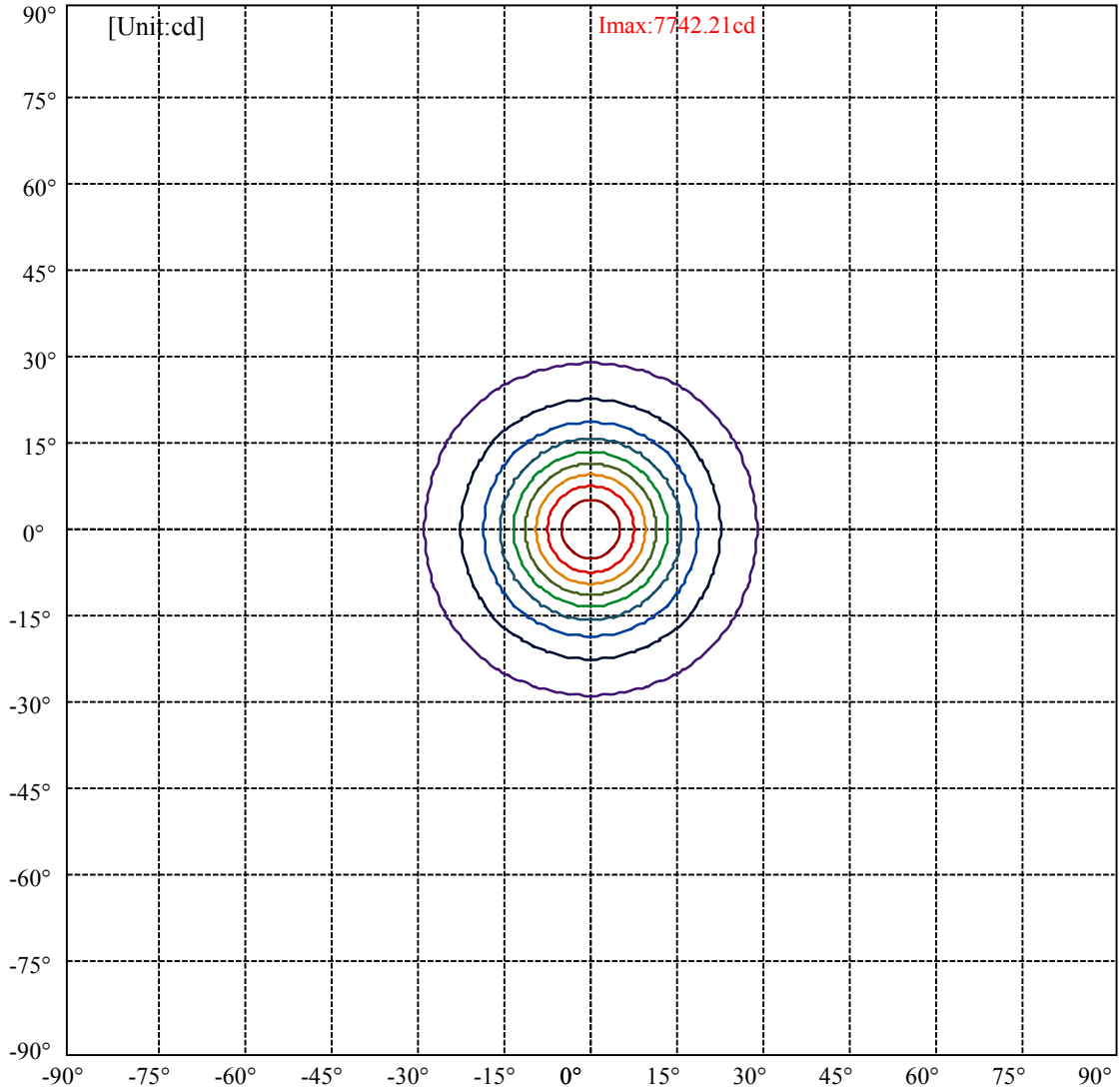
Field angle(10%Imax):C0/180Left:28.5 Right:28.5

:C90/270Left:28.5 Right:28.5

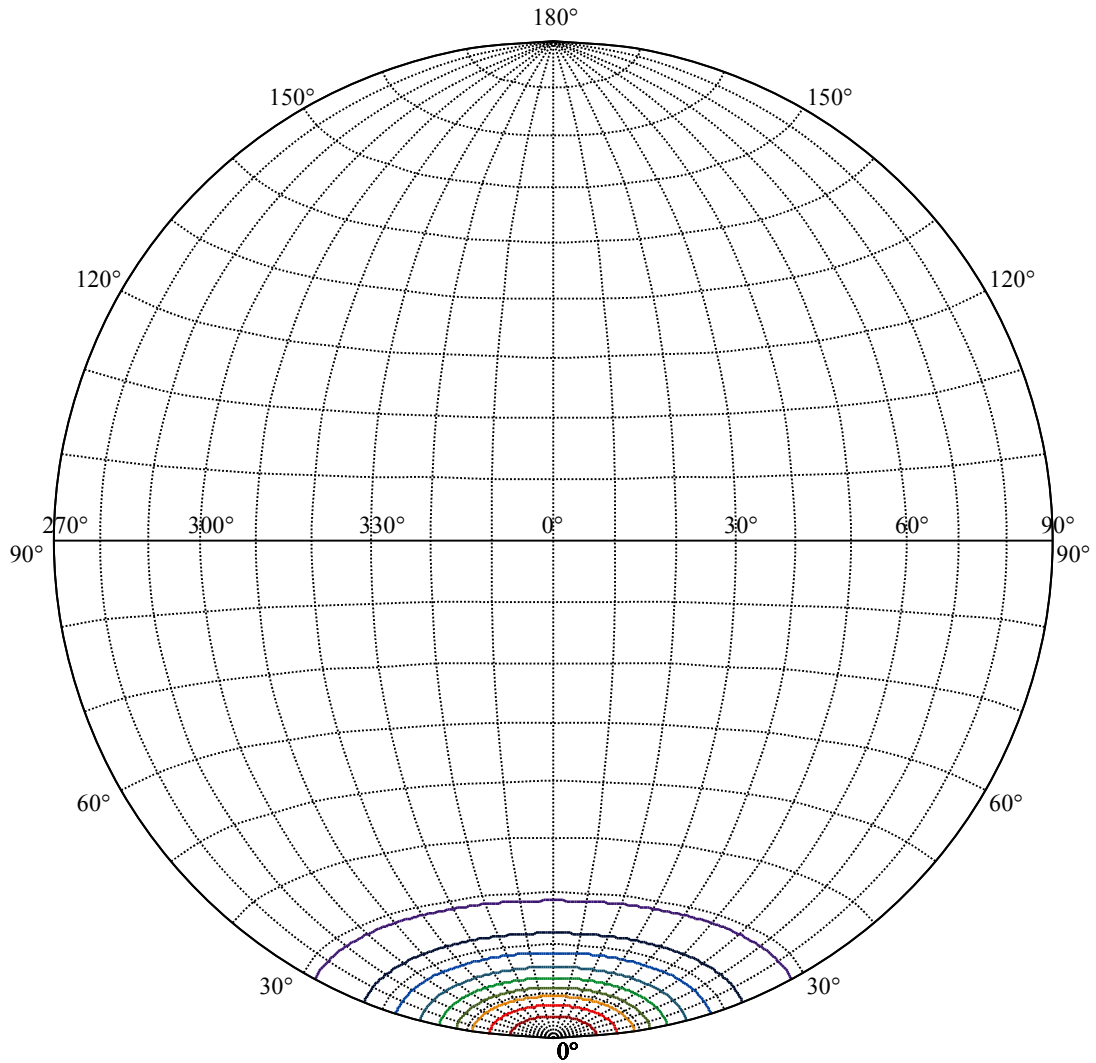
Beam Angle(50%Imax):C0/180Left:13.2 Right:13.2

:C90/270Left:13.2 Right:13.2





(10%Imax) 774.221	—
(20%Imax) 1548.44	—
(30%Imax) 2322.66	—
(40%Imax) 3096.88	—
(50%Imax) 3871.1	—
(60%Imax) 4645.32	—
(70%Imax) 5419.54	—
(80%Imax) 6193.77	—
(90%Imax) 6967.99	—



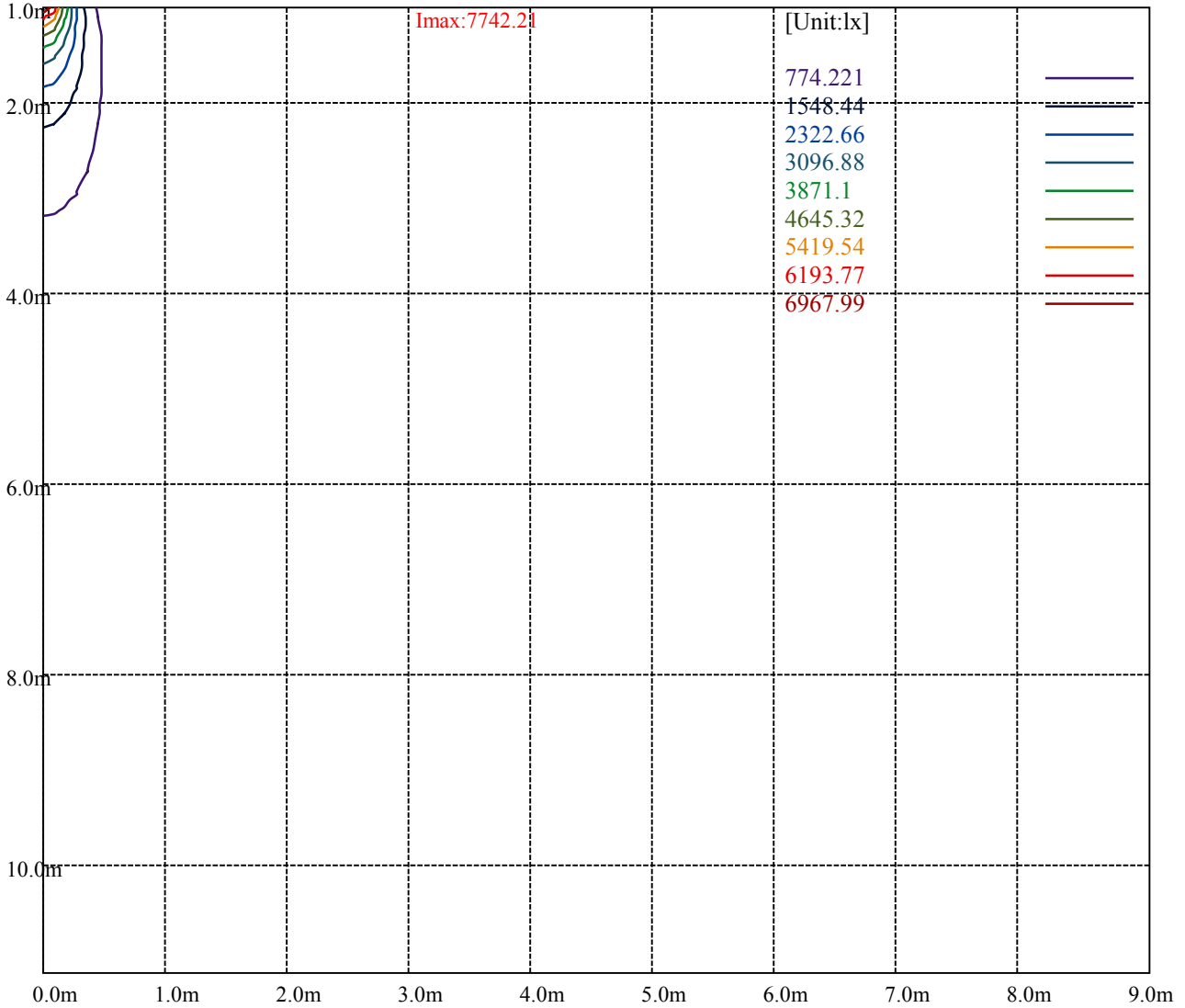
House

[Unit:cd]

Road

Imax:7742.21

(10%Imax)	774.221	—
(20%Imax)	1548.44	—
(30%Imax)	2322.66	—
(40%Imax)	3096.88	—
(50%Imax)	3871.1	—
(60%Imax)	4645.32	—
(70%Imax)	5419.54	—
(80%Imax)	6193.77	—
(90%Imax)	6967.99	—



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

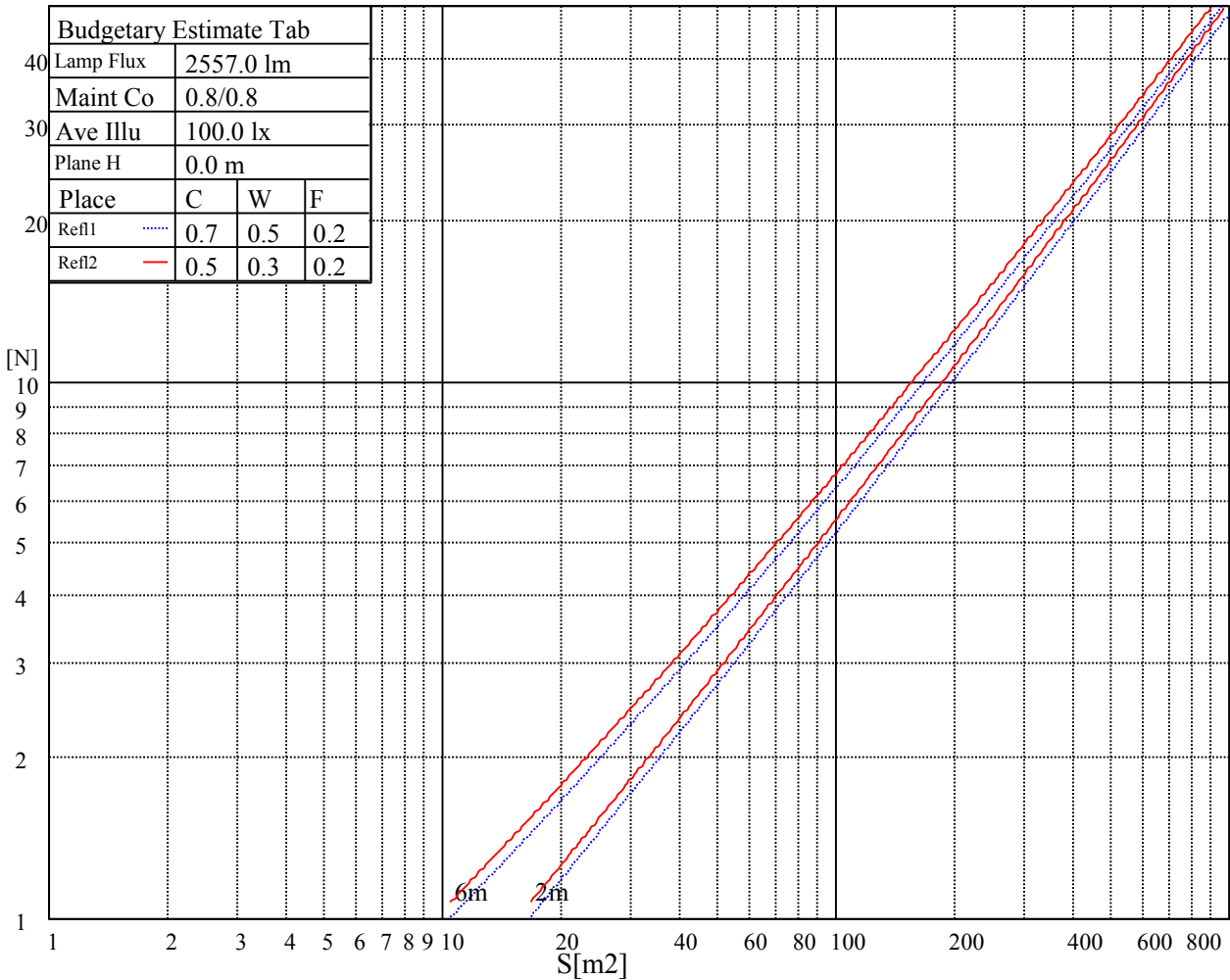
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

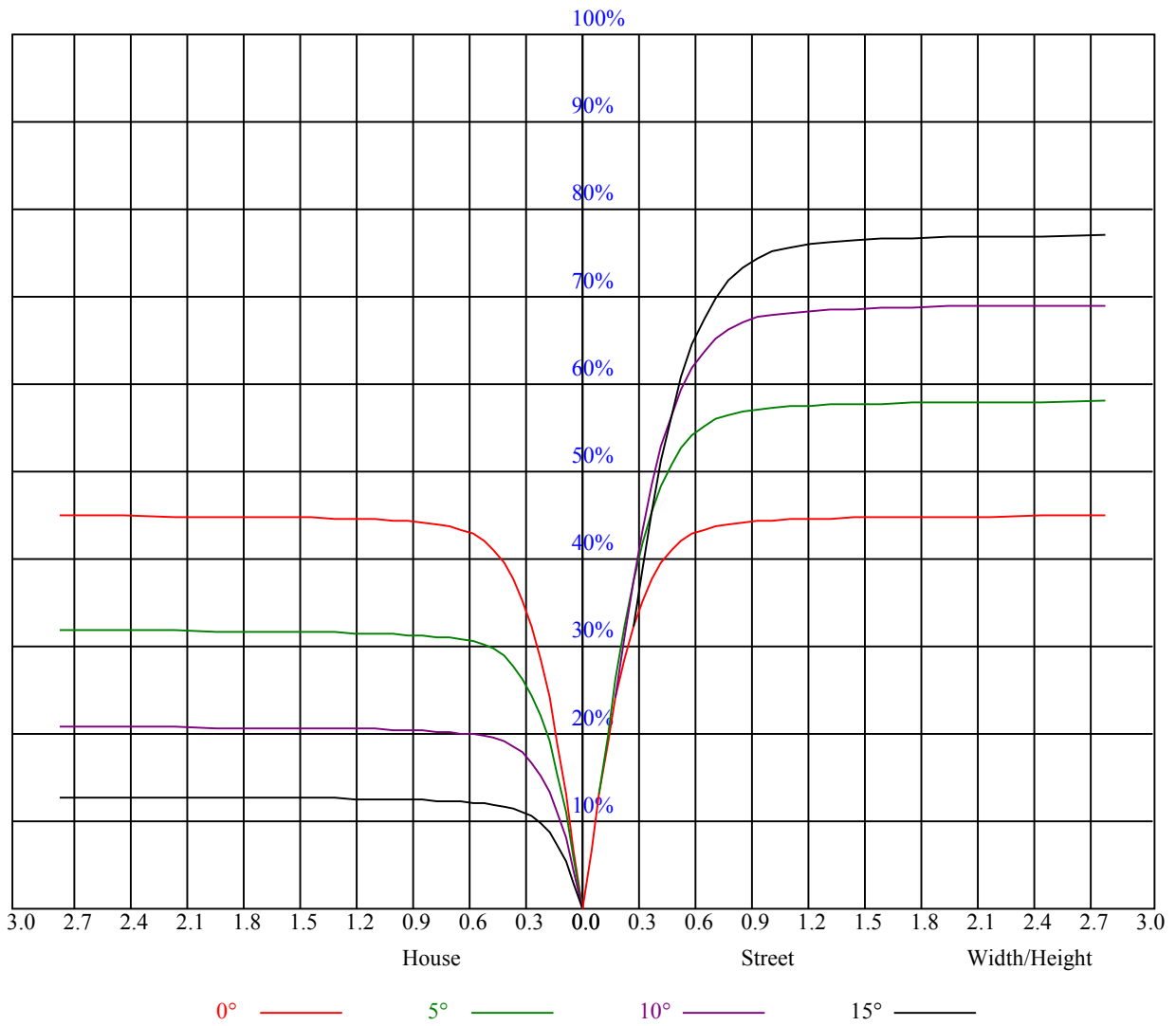


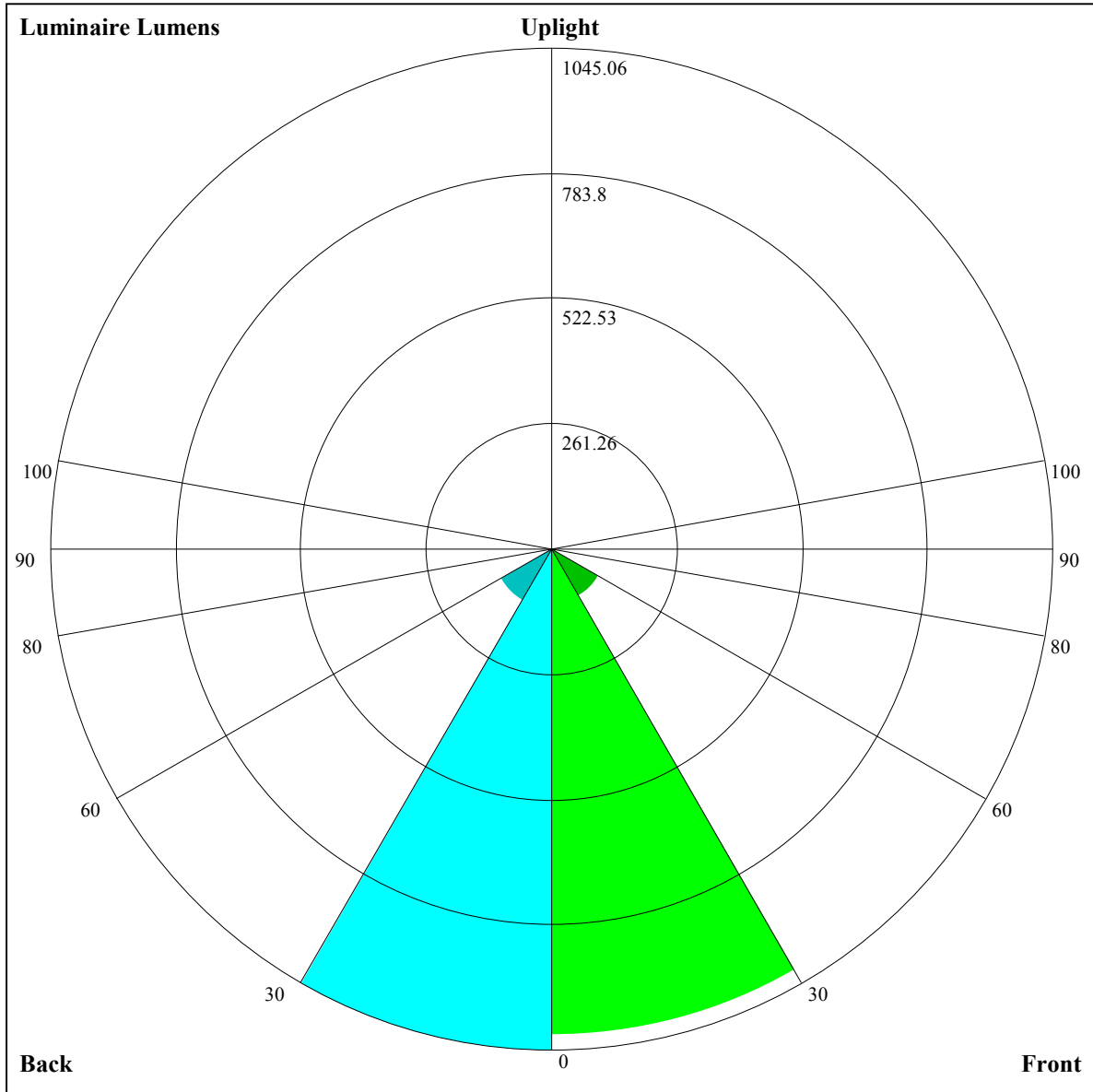
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
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 RHOFC=20 CU															
0	1.07	1.07	1.07	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.01	0.99	0.97	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.86
2	0.95	0.92	0.90	0.94	0.91	0.89	0.91	0.89	0.87	0.88	0.87	0.85	0.86	0.85	0.83	0.82
3	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.83	0.81	0.80	0.78
4	0.86	0.82	0.79	0.85	0.82	0.79	0.83	0.80	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.75
5	0.82	0.78	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.73	0.77	0.75	0.73	0.72
6	0.79	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
7	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.66
8	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.64
9	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.68	0.65	0.62	0.61
10	0.68	0.64	0.61	0.67	0.63	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59





Luminaire Lumens:

FL=1014.27,FM=112.89,FH=9.54,FVH=1.21

BL=1045.06,BM=122.1,BH=9.86,BVH=1.23

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	7727.58	7617.83	7453.47	7232.81	7071.81	6637.75	6431.07	6053.89	5642.69
45.0	7794.44	7725.90	7567.69	7371.58	7105.24	6791.55	6445.00	6047.74	5614.25
90.0	7649.00	7447.90	7182.67	6865.08	6500.72	6103.45	5669.97	5312.28	4881.06
135.0	7797.80	7753.76	7603.32	7303.03	7138.09	6806.06	6452.78	6066.66	5650.47
180.0	7727.58	7768.84	7746.56	7656.83	7510.87	7280.17	7006.06	6688.47	6340.25
225.0	7794.44	7805.01	7752.08	7622.82	7527.00	7224.45	7066.77	6757.54	6272.81
270.0	7649.00	7782.77	7832.34	7837.33	7782.77	7659.04	7481.90	7260.14	6985.45
315.0	7797.80	7818.93	7793.34	7704.19	7537.04	7336.99	7077.91	6773.73	6433.28
360.0	7727.58	7617.83	7453.47	7232.81	7071.81	6637.75	6431.07	6053.89	5642.69
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5199.17	4740.61	4315.54	3909.91	3525.47	3193.38	2884.16	2602.79	2359.32
45.0	5162.43	4719.48	4291.57	3886.52	3659.19	3173.88	2875.80	2708.13	2353.75
90.0	4443.69	4031.91	3658.61	3314.85	3010.10	2726.47	2474.12	2250.67	2036.74
135.0	5195.86	4760.11	4335.04	3932.20	3570.57	3230.18	2925.42	2649.62	2403.89
180.0	5945.76	5527.37	5084.42	4649.26	4229.18	3818.51	3454.14	3189.49	2827.34
225.0	6041.59	5621.51	5174.67	4724.48	4293.25	3886.52	3508.18	3157.17	2837.90
270.0	6670.08	6275.59	5883.95	5473.28	5041.48	4608.57	4350.60	3765.58	3388.39
315.0	6044.95	5639.90	5200.85	4755.70	4321.11	3911.02	3529.94	3178.93	2855.77
360.0	5199.17	4740.61	4315.54	3909.91	3525.47	3193.38	2884.16	2602.79	2359.32
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2137.03	1924.16	1742.55	1564.79	1404.89	1227.18	1067.12	1067.12	948.07
45.0	2217.24	2002.74	1809.41	1628.33	1461.18	1315.22	1190.38	1079.53	966.99
90.0	1844.52	1664.55	1499.08	1355.32	1081.53	1081.53	1058.35	942.08	779.87
135.0	2176.03	1966.52	1817.19	1609.36	1448.94	1338.61	1221.61	1108.49	989.80
180.0	2558.22	2362.11	2134.77	1935.30	1742.55	1576.51	1416.61	1288.46	1169.20
225.0	2553.75	2301.92	2071.28	1861.24	1671.22	1529.15	1336.35	1068.75	1068.75
270.0	3185.60	2864.13	2577.72	2326.47	2096.88	1896.88	1708.54	1527.47	1365.89
315.0	2581.08	2327.57	2094.09	1966.52	1777.09	1589.33	1421.08	1230.49	1068.49
360.0	2137.03	1924.16	1742.55	1564.79	1404.89	1227.18	1067.12	1067.12	948.07
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	831.91	720.42	614.30	510.80	414.77	327.88	251.56	189.91	149.01
45.0	850.51	739.08	630.43	529.04	435.43	348.54	284.47	284.47	153.48
90.0	711.12	601.74	499.97	405.41	320.05	245.26	186.86	150.75	131.41
135.0	866.70	753.59	646.05	545.18	449.36	363.00	280.53	280.53	158.69
180.0	1054.46	935.77	818.77	711.22	606.47	506.76	412.62	327.88	312.33
225.0	999.16	878.74	766.20	660.19	563.63	471.33	384.92	302.44	232.48
270.0	1235.53	1116.85	998.74	877.85	764.73	653.30	549.12	451.04	359.69
315.0	1019.77	899.03	782.24	677.27	574.51	475.90	388.54	304.65	229.07
360.0	831.91	720.42	614.30	510.80	414.77	327.88	251.56	189.91	149.01
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	127.41	113.43	100.97	90.04	80.42	72.01	67.33	60.45	52.35
45.0	139.76	123.99	110.96	99.55	89.09	79.68	71.22	63.76	57.56
90.0	117.69	106.23	96.14	87.04	78.84	71.43	64.97	60.34	54.19
135.0	130.62	120.68	106.23	94.72	84.99	76.48	68.86	62.23	56.56
180.0	312.33	162.21	134.56	118.06	103.55	92.19	82.47	73.64	65.81
225.0	178.24	146.18	127.36	112.48	104.49	88.36	82.37	73.38	62.39
270.0	309.54	309.54	165.89	134.51	117.69	104.44	92.98	82.52	73.59
315.0	191.49	135.19	117.37	109.44	92.72	86.31	76.90	68.59	61.24
360.0	127.41	113.43	100.97	90.04	80.42	72.01	67.33	60.45	52.35

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	49.25	44.52	40.42	37.11	34.06	31.27	29.07	27.12	25.39
45.0	51.98	46.83	42.84	39.58	36.16	33.11	30.80	28.65	26.75
90.0	50.51	46.52	42.89	39.63	36.90	34.53	32.17	30.33	28.70
135.0	51.72	47.25	43.36	40.11	37.11	34.48	32.17	30.17	28.38
180.0	58.92	53.09	47.78	43.10	39.16	35.69	32.69	30.12	28.07
225.0	58.45	52.30	46.83	42.21	38.16	34.74	31.70	29.17	27.17
270.0	65.28	58.34	52.09	46.73	41.94	38.00	34.59	31.59	28.91
315.0	54.82	49.25	44.26	40.05	36.37	33.27	30.54	28.12	26.28
360.0	49.25	44.52	40.42	37.11	34.06	31.27	29.07	27.12	25.39
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	23.97	22.65	21.39	20.29	19.08	17.77	16.61	15.40	14.30
45.0	25.76	23.97	22.55	21.45	19.92	18.61	17.08	15.82	14.61
90.0	26.91	25.44	23.86	22.18	20.66	19.24	17.71	16.24	15.09
135.0	26.91	25.49	24.49	22.97	21.71	20.60	18.98	17.98	16.71
180.0	26.12	24.81	23.23	22.18	20.97	19.97	18.82	17.61	16.45
225.0	25.12	23.50	22.34	20.97	19.76	18.82	17.77	16.82	15.45
270.0	27.54	25.02	23.34	22.50	21.45	20.39	19.40	18.61	17.66
315.0	24.55	22.97	21.87	21.24	19.76	19.19	18.29	16.87	16.24
360.0	23.97	22.65	21.39	20.29	19.08	17.77	16.61	15.40	14.30
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.25	12.67	11.51	11.04	10.30	9.67	8.99	8.41	7.73
45.0	13.61	12.67	11.77	10.99	10.25	9.57	8.83	8.25	7.67
90.0	13.93	13.14	11.62	10.72	10.14	9.25	8.46	7.67	6.94
135.0	15.45	14.40	13.30	12.25	11.30	10.46	9.62	8.78	8.04
180.0	15.51	14.40	13.35	12.56	11.77	10.88	10.14	9.41	8.83
225.0	14.51	13.67	12.72	11.93	11.09	10.35	9.67	8.99	8.46
270.0	16.61	15.61	14.56	13.51	12.51	11.72	10.99	10.20	9.57
315.0	15.35	14.24	13.25	12.46	11.67	10.83	10.20	9.62	8.94
360.0	13.25	12.67	11.51	11.04	10.30	9.67	8.99	8.41	7.73
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.15	6.62	6.04	5.57	5.05	4.73	4.26	3.84	3.42
45.0	6.99	6.57	5.94	5.47	5.10	4.57	4.21	3.84	3.47
90.0	6.25	5.73	5.10	4.63	4.21	3.84	3.47	3.10	2.79
135.0	7.41	6.68	5.99	5.41	4.89	4.52	4.05	3.68	3.47
180.0	8.20	7.57	6.99	6.47	6.04	5.31	4.84	4.63	4.05
225.0	7.88	7.25	6.68	6.15	5.68	5.26	4.78	4.36	3.99
270.0	8.99	8.41	7.78	7.41	6.57	5.99	5.68	4.99	4.73
315.0	8.25	7.62	6.99	6.41	5.78	5.26	4.89	4.36	3.99
360.0	7.15	6.62	6.04	5.57	5.05	4.73	4.26	3.84	3.42
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.15	2.89	2.47	2.16	2.00	1.73	1.52	1.31	1.05
45.0	3.05	2.68	2.37	2.05	1.79	1.52	1.31	1.10	1.00
90.0	2.47	2.26	1.94	1.79	1.52	1.31	1.05	1.00	1.00
135.0	3.00	2.68	2.37	2.21	1.84	1.73	1.47	1.21	0.95
180.0	3.78	3.26	3.00	2.68	2.31	2.10	1.79	1.47	1.26
225.0	3.68	3.26	3.00	2.63	2.21	2.05	1.73	1.47	1.26
270.0	4.26	3.78	3.47	3.05	2.68	2.42	2.16	1.94	1.68
315.0	3.68	3.42	3.05	2.84	2.52	2.21	2.00	1.73	1.52
360.0	3.15	2.89	2.47	2.16	2.00	1.73	1.52	1.31	1.05

Intensity data(cd)

C/ γ ($^{\circ}$)	90.0
0.0	1.10
45.0	1.05
90.0	1.05
135.0	0.95
180.0	1.10
225.0	1.10
270.0	1.42
315.0	1.42
360.0	1.10