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Nata

Client:

LumCAT: 2-2565-L

Luminaire: 92.70.411.00

Report No: 2024902-B005

Ballast type: AC

Test No: 2024902-C005

Voltage(V): 36.770

LampCAT: LUMILEDS LUXEON CoB 1208 Current(A): 0.898

Lamp flux(lm): 4053.0 Power (W): 33.020

Number of Lamps: 1 PF: 0.000

Length(mm): 0 Width(mm): 0

Phm Type: C Height(mm): 0

Photometric Results

Lumens(lm): 3705.55, Efficiency(%): 91.43% , Luminous Efficacy(lm/W): 112.22

Central intensity(cd): 10706.730, Maximum intensity(cd): 10706.730

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=27.2

[C90/270]Total=27.2

Field angle(10%Imax): [C0/180]Total=63.2

[C90/270]Total=63.2

Maximum s/h(1/2): C0_180=0.45 C90_270=0.45

Maximum s/h(1/4): C0_180=0.51 C90_270=0.51

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 91.43%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.093%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/9/2
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	10706.732	0.000	0	0.00%	0.00%
1.0	10673.650	10.230	10.23	0.25%	0.28%
2.0	10499.957	30.390	40.62	0.75%	1.10%
3.0	10261.567	49.655	90.275	1.23%	2.44%
4.0	9994.267	67.803	158.078	1.67%	4.27%
5.0	9597.919	84.285	242.363	2.08%	6.54%
6.0	9165.422	98.606	340.969	2.43%	9.20%
7.0	8665.782	110.678	451.647	2.73%	12.19%
8.0	8137.444	120.257	571.904	2.97%	15.43%
9.0	7601.602	127.556	699.461	3.15%	18.88%
10.0	7061.286	132.694	832.155	3.27%	22.46%
11.0	6548.065	135.985	968.14	3.36%	26.13%
12.0	6063.485	137.862	1106.002	3.40%	29.85%
13.0	5597.407	138.385	1244.388	3.41%	33.58%
14.0	5161.217	137.709	1382.097	3.40%	37.30%
15.0	4756.092	136.149	1518.246	3.36%	40.97%
16.0	4378.049	133.841	1652.087	3.30%	44.58%
17.0	4038.259	131.065	1783.152	3.23%	48.12%
18.0	3760.446	128.584	1911.735	3.17%	51.59%
19.0	3475.380	125.889	2037.624	3.11%	54.99%
20.0	3219.998	122.544	2160.168	3.02%	58.30%
21.0	2960.990	118.687	2278.855	2.93%	61.50%
22.0	2768.138	115.129	2393.985	2.84%	64.61%
23.0	2554.538	111.684	2505.669	2.76%	67.62%
24.0	2380.838	107.905	2613.574	2.66%	70.53%
25.0	2195.726	104.061	2717.635	2.57%	73.34%
26.0	2011.238	99.306	2816.941	2.45%	76.02%
27.0	1860.318	94.718	2911.659	2.34%	78.58%
28.0	1694.484	90.000	3001.659	2.22%	81.00%
29.0	1508.662	83.803	3085.463	2.07%	83.27%
30.0	1345.718	77.068	3162.53	1.90%	85.35%
31.0	1150.297	69.461	3231.991	1.71%	87.22%
32.0	1022.774	62.256	3294.247	1.54%	88.90%
33.0	886.467	56.247	3350.494	1.39%	90.42%
34.0	746.197	49.409	3399.903	1.22%	91.75%
35.0	621.407	42.473	3442.376	1.05%	92.90%
36.0	507.287	35.938	3478.313	0.89%	93.87%
37.0	408.404	29.865	3508.178	0.74%	94.67%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	331.472	24.696	3532.874	0.61%	95.34%
39.0	277.011	20.769	3553.643	0.51%	95.90%
40.0	217.556	17.249	3570.892	0.43%	96.37%
41.0	172.306	13.883	3584.775	0.34%	96.74%
42.0	140.506	11.365	3596.14	0.28%	97.05%
43.0	105.381	9.108	3605.248	0.22%	97.29%
44.0	87.306	7.273	3612.521	0.18%	97.49%
45.0	74.429	6.216	3618.737	0.15%	97.66%
46.0	64.612	5.438	3624.174	0.13%	97.80%
47.0	57.063	4.839	3629.014	0.12%	97.93%
48.0	51.170	4.375	3633.389	0.11%	98.05%
49.0	46.459	4.009	3637.398	0.10%	98.16%
50.0	42.838	3.723	3641.121	0.09%	98.26%
51.0	39.934	3.502	3644.623	0.09%	98.36%
52.0	37.661	3.330	3647.953	0.08%	98.45%
53.0	35.920	3.201	3651.154	0.08%	98.53%
54.0	34.718	3.113	3654.267	0.08%	98.62%
55.0	33.568	3.048	3657.315	0.08%	98.70%
56.0	32.779	2.998	3660.313	0.07%	98.78%
57.0	32.142	2.968	3663.281	0.07%	98.86%
58.0	31.386	2.938	3666.219	0.07%	98.94%
59.0	30.618	2.899	3669.118	0.07%	99.02%
60.0	29.553	2.843	3671.961	0.07%	99.09%
61.0	28.318	2.762	3674.722	0.07%	99.17%
62.0	26.590	2.646	3677.368	0.07%	99.24%
63.0	25.013	2.510	3679.878	0.06%	99.31%
64.0	22.990	2.355	3682.233	0.06%	99.37%
65.0	21.064	2.180	3684.414	0.05%	99.43%
66.0	19.152	2.007	3686.42	0.05%	99.48%
67.0	17.306	1.833	3688.253	0.05%	99.53%
68.0	15.650	1.669	3689.923	0.04%	99.58%
69.0	14.166	1.521	3691.444	0.04%	99.62%
70.0	12.865	1.388	3692.832	0.03%	99.66%
71.0	11.794	1.274	3694.107	0.03%	99.69%
72.0	10.920	1.181	3695.288	0.03%	99.72%
73.0	10.112	1.100	3696.387	0.03%	99.75%
74.0	9.369	1.024	3697.412	0.03%	99.78%
75.0	8.679	0.954	3698.365	0.02%	99.81%

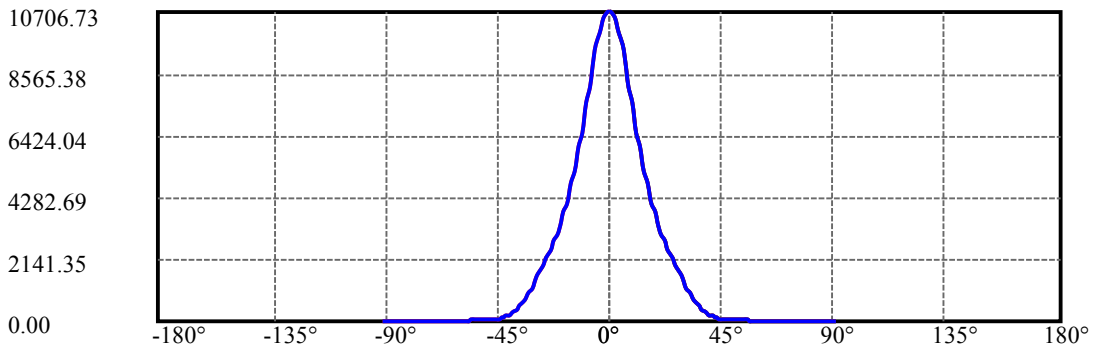
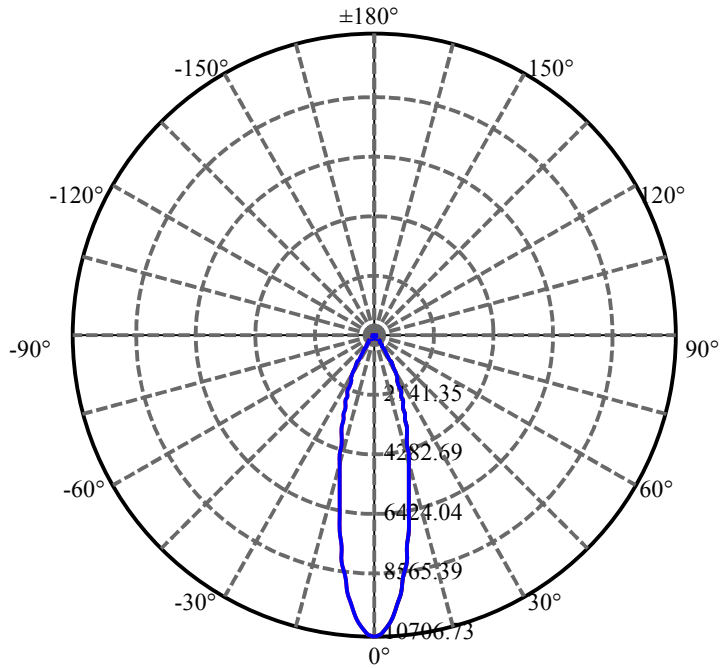
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.016	0.886	3699.252	0.02%	99.83%
77.0	7.378	0.821	3700.072	0.02%	99.85%
78.0	6.787	0.758	3700.831	0.02%	99.87%
79.0	6.137	0.694	3701.525	0.02%	99.89%
80.0	5.572	0.631	3702.156	0.02%	99.91%
81.0	5.026	0.573	3702.729	0.01%	99.92%
82.0	4.448	0.514	3703.243	0.01%	99.94%
83.0	3.916	0.455	3703.698	0.01%	99.95%
84.0	3.449	0.401	3704.099	0.01%	99.96%
85.0	3.003	0.352	3704.451	0.01%	99.97%
86.0	2.536	0.303	3704.754	0.01%	99.98%
87.0	2.175	0.258	3705.012	0.01%	99.99%
88.0	1.794	0.217	3705.229	0.01%	99.99%
89.0	1.432	0.177	3705.406	0.00%	100.00%
90.0	1.281	0.149	3705.555	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3162.53	78.03%	85.35%
0-40	3570.89	88.10%	96.37%
0-60	3671.96	90.60%	99.09%
0-90	3705.41	91.42%	100.00%
0-120	3705.41	91.42%	100.00%
0-180	3705.55	91.43%	100.00%
60-90	33.45	0.83%	0.90%
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%
0-27.59	2964.44	73.14%	80.00%

ZONAL LUMEN SUMMARY

0-10	832.15
10-20	1328.01
20-30	1002.36
30-40	408.36
40-50	70.23
50-60	30.84
60-70	20.87
70-80	9.32
80-90	3.25
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: —————

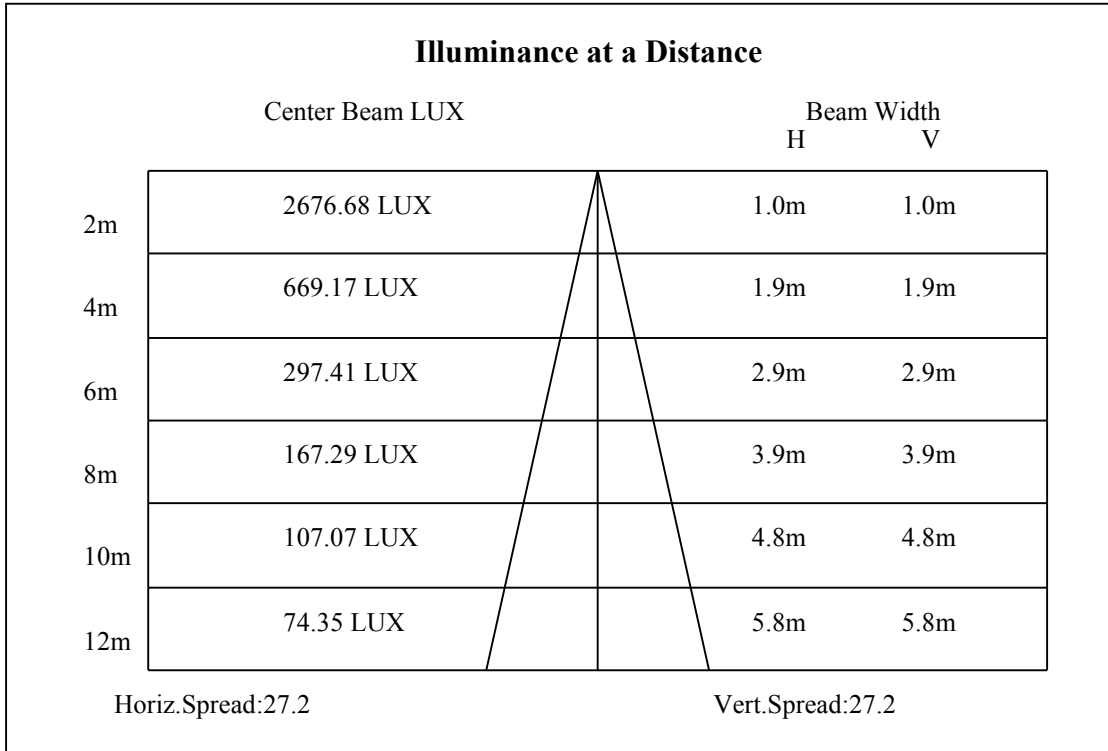
C90/C270: —————

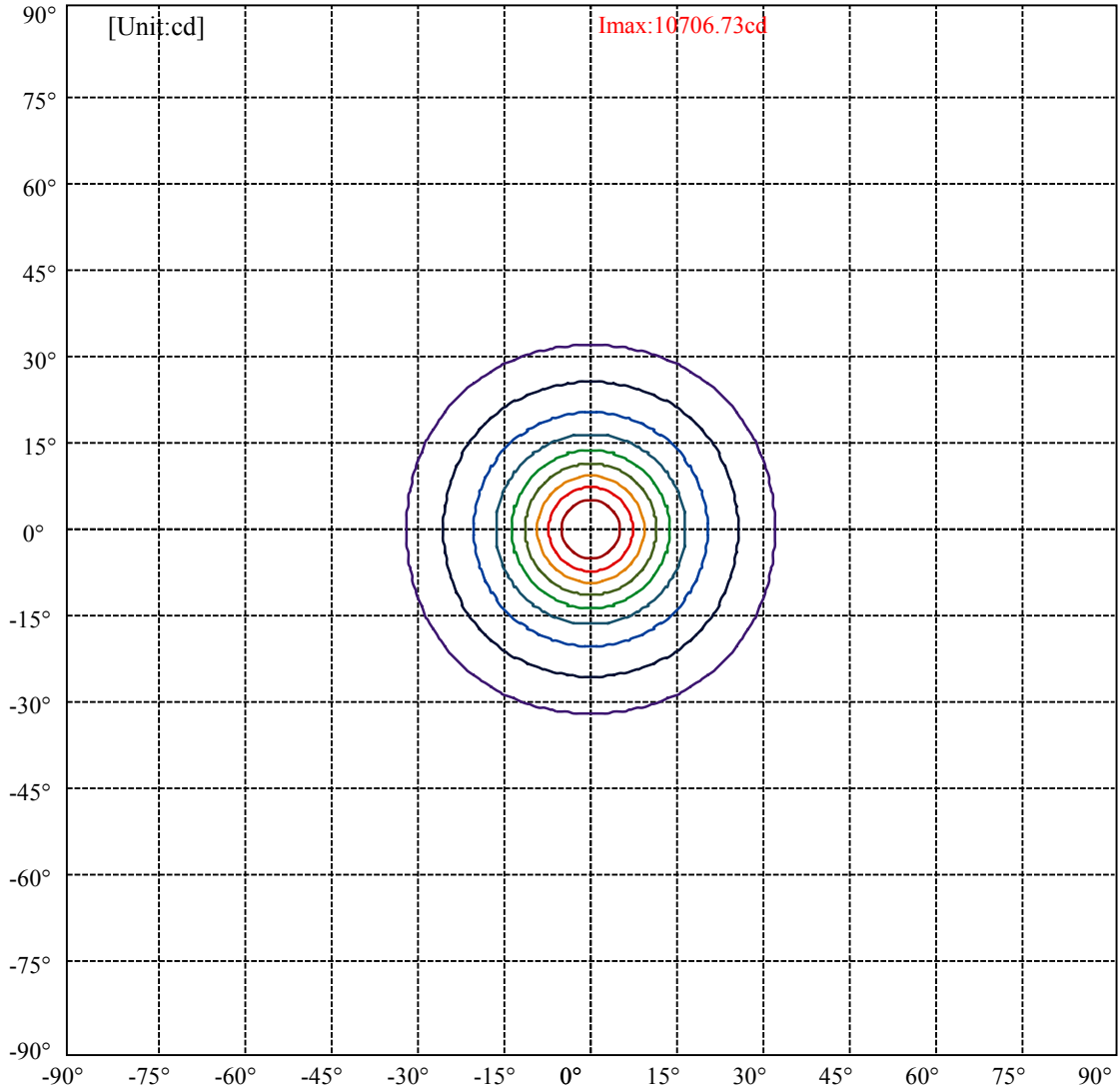
Field angle(10%Imax):C0/180Left:31.6 Right:31.6

:C90/270Left:31.6 Right:31.6

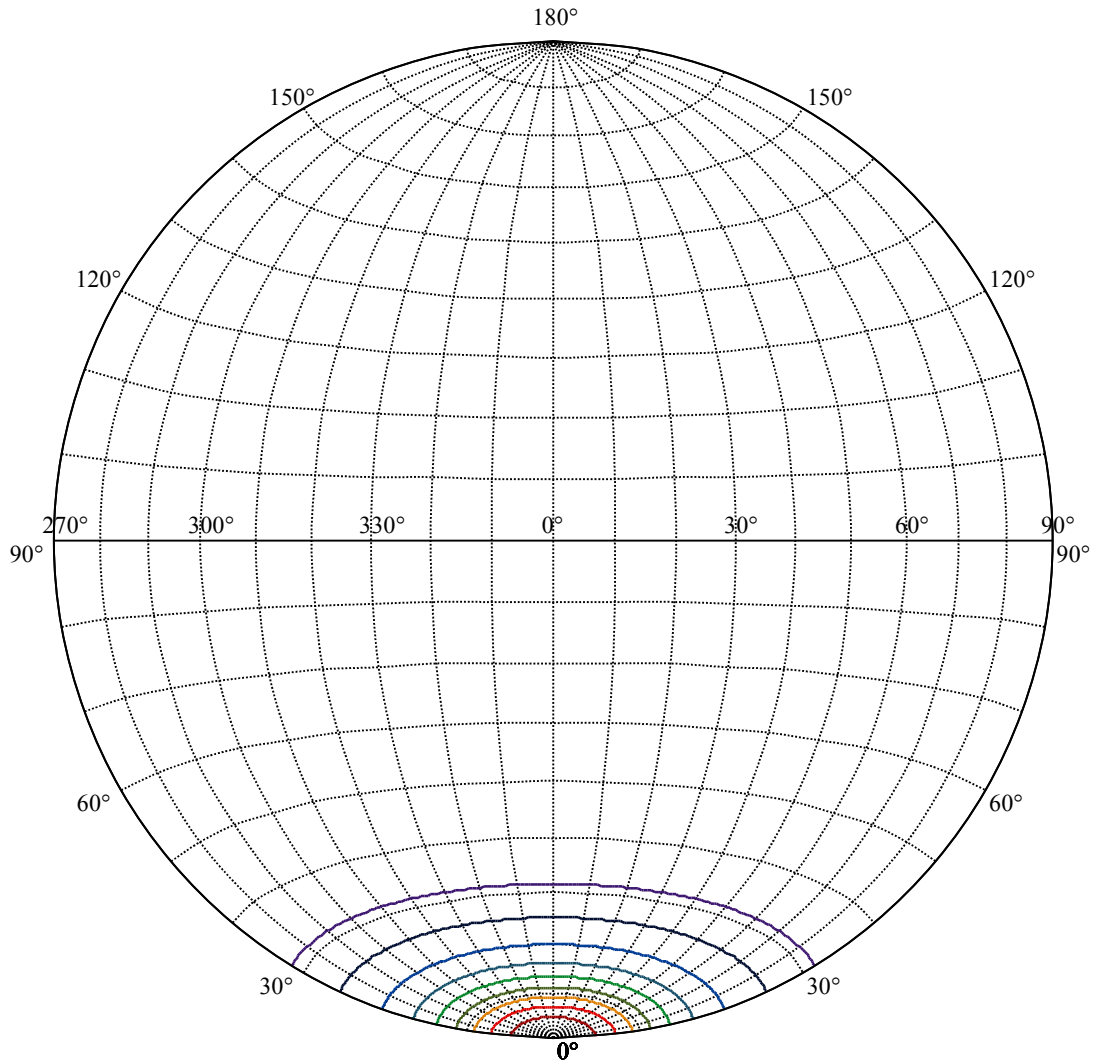
Beam Angle(50%Imax):C0/180Left:13.6 Right:13.6

:C90/270Left:13.6 Right:13.6





(10%Imax) 1070.67	—
(20%Imax) 2141.35	—
(30%Imax) 3212.02	—
(40%Imax) 4282.69	—
(50%Imax) 5353.37	—
(60%Imax) 6424.04	—
(70%Imax) 7494.71	—
(80%Imax) 8565.38	—
(90%Imax) 9636.06	—



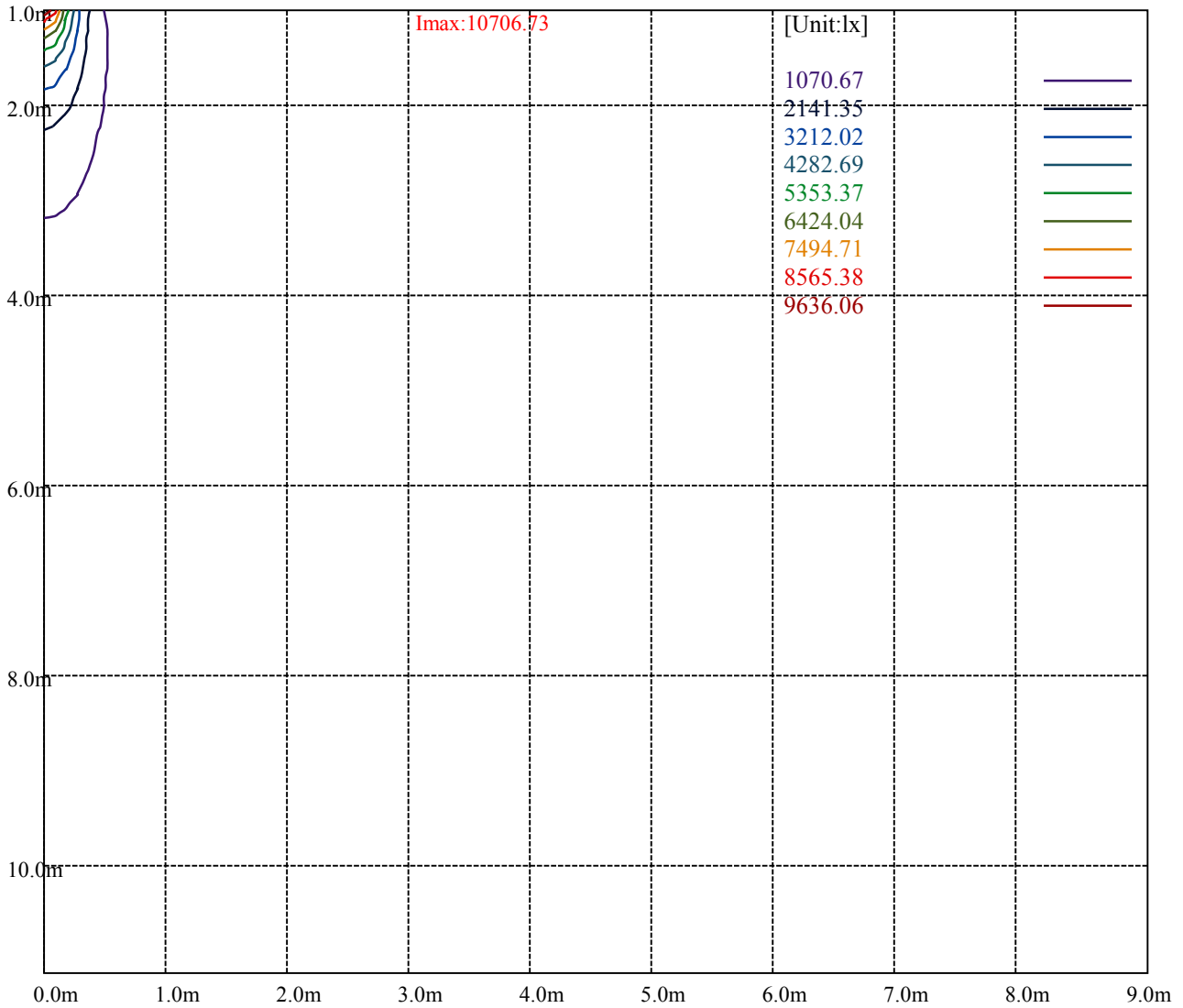
House

[Unit:cd]

Road

Imax:10706.73

(10%Imax)	1070.67	—
(20%Imax)	2141.35	—
(30%Imax)	3212.02	—
(40%Imax)	4282.69	—
(50%Imax)	5353.37	—
(60%Imax)	6424.04	—
(70%Imax)	7494.71	—
(80%Imax)	8565.38	—
(90%Imax)	9636.06	—



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

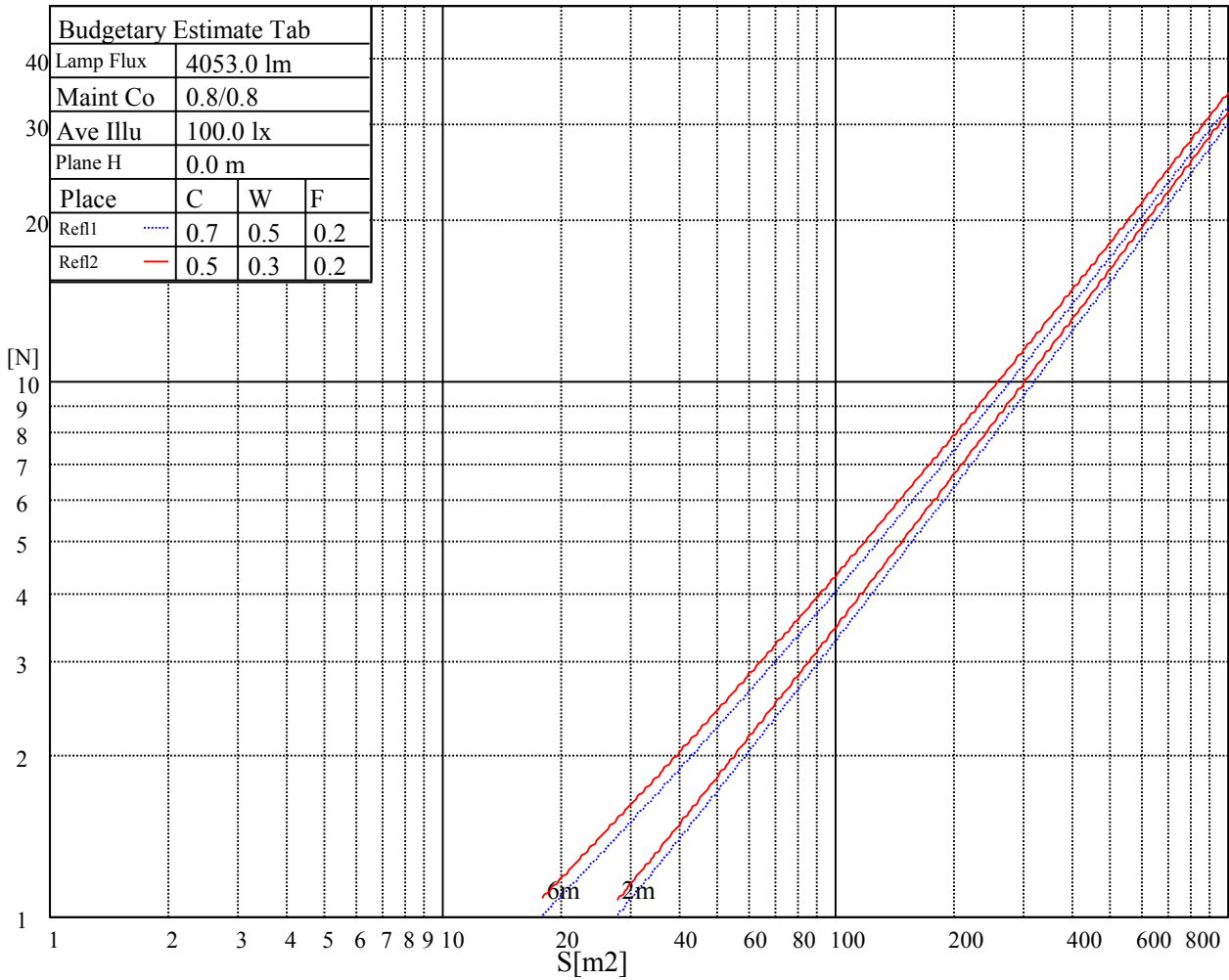
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

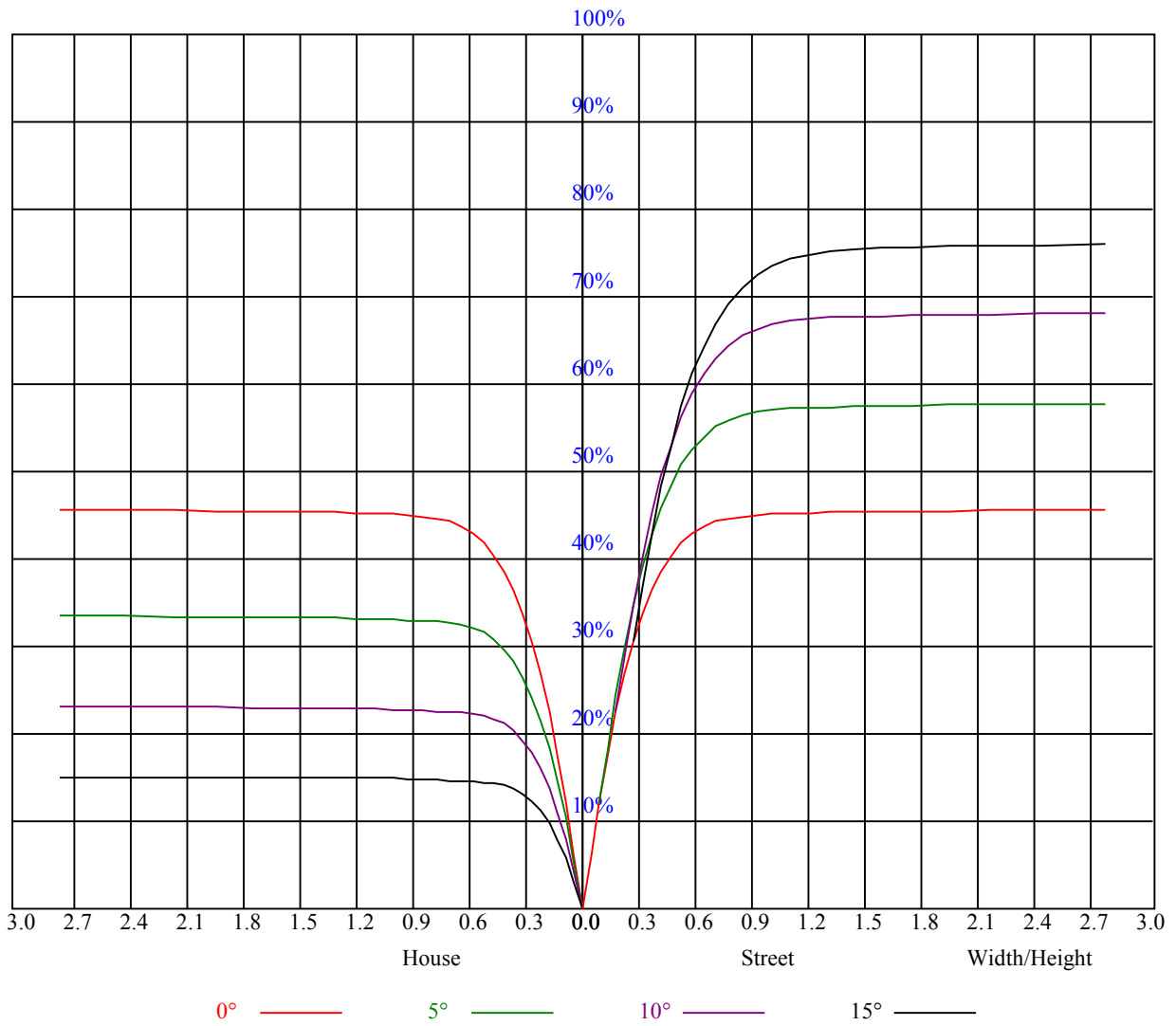


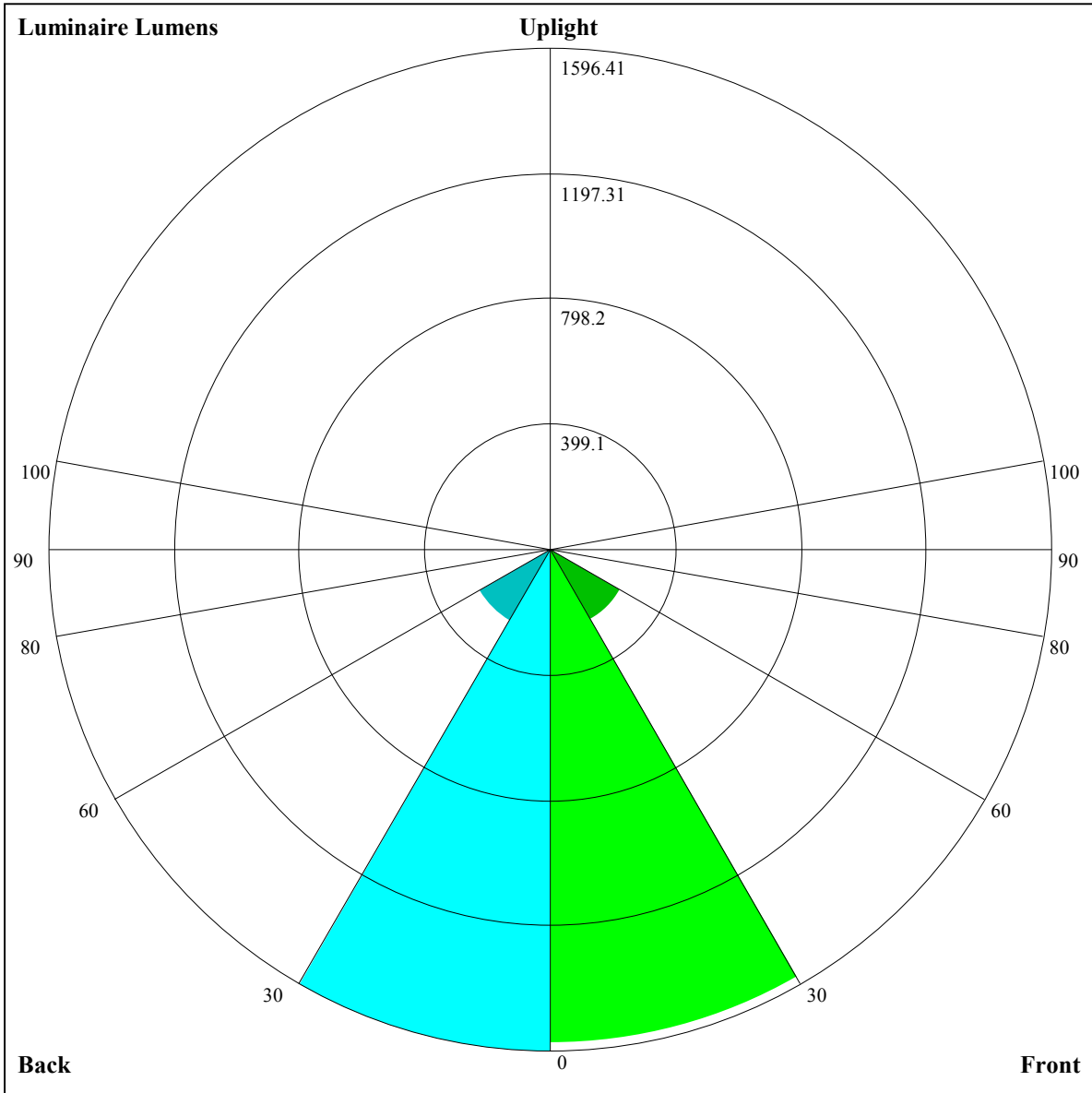
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.09	1.09	1.09	1.06	1.06	1.06	1.02	1.02	1.02	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.02	1.00	0.98	1.00	0.98	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
2	0.96	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.87	0.85	0.84	0.82
3	0.91	0.87	0.84	0.90	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.83	0.81	0.79	0.78
4	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.78	0.76	0.74
5	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.71
6	0.78	0.74	0.70	0.78	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.68
7	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.65
8	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.62
9	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.59
10	0.66	0.61	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	0.58	0.57





Luminaire Lumens:

FL=1572.77,FM=257.89,FH=15.02,FVH=1.7

BL=1596.41,BM=261.59,BH=15.1,BVH=1.71

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	10718.97	10597.55	10320.07	10086.06	9703.83	9264.25	8766.16	8241.85	7696.94
45.0	10768.01	10706.19	10497.78	10228.66	9909.45	9495.47	9012.94	8505.40	7962.69
90.0	10530.69	10370.21	9919.49	9497.15	9211.32	8704.88	8169.42	7580.51	7009.95
135.0	10809.27	10624.25	10435.39	10102.78	9720.02	9341.14	8827.40	8293.10	7722.59
180.0	10718.97	10751.29	10651.00	10466.03	10230.34	9901.09	9486.01	9002.38	8486.43
225.0	10768.01	10757.44	10584.72	10335.68	10152.34	9672.08	9397.96	8903.77	8410.68
270.0	10530.69	10729.00	10820.41	10795.34	10717.34	10449.90	10111.71	9735.05	9273.13
315.0	10809.27	10853.26	10770.79	10580.83	10309.50	9954.55	9551.76	9064.19	8537.15
360.0	10718.97	10597.55	10320.07	10086.06	9703.83	9264.25	8766.16	8241.85	7696.94
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7119.17	6585.40	6106.82	5647.16	5218.67	4788.55	4395.75	4054.20	3731.62
45.0	7406.11	6824.98	6350.29	5887.26	5425.92	5004.74	4593.54	4227.50	3893.72
90.0	6507.97	6021.56	5564.11	5129.00	4733.94	4356.17	4004.63	3695.93	3424.60
135.0	7137.57	6642.80	6167.53	5694.52	5262.72	4835.91	4475.96	4116.59	3798.48
180.0	7959.38	7393.28	6841.69	6338.04	5873.91	5430.39	5028.13	4629.18	4287.10
225.0	7898.62	7335.36	6755.33	6271.70	5805.37	5361.32	4945.13	4543.40	4172.31
270.0	8787.29	8261.88	7738.15	7188.82	6609.37	6127.95	5642.11	5206.42	4802.48
315.0	7996.70	7425.03	6860.62	6351.39	5849.37	5384.71	4963.48	4551.18	4198.75
360.0	7119.17	6585.40	6106.82	5647.16	5218.67	4788.55	4395.75	4054.20	3731.62
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3443.00	3166.63	2928.73	2700.87	2593.91	2324.79	2218.35	2058.45	1826.65
45.0	3588.44	3363.32	3100.35	2865.23	2650.73	2456.82	2283.00	2107.49	1939.24
90.0	3161.06	2924.84	2703.66	2506.97	2367.68	2160.42	1992.17	1861.76	1699.66
135.0	3512.65	3246.31	3008.99	2787.23	2589.96	2473.54	2283.00	2038.37	1938.66
180.0	3956.69	3785.66	3488.68	3117.06	2972.20	2734.30	2523.11	2327.57	2133.67
225.0	3850.31	3547.76	3269.18	3009.52	2776.61	2565.47	2446.78	2257.93	1993.80
270.0	4574.04	4195.17	3857.51	3546.08	3270.86	3012.30	2782.76	2577.19	2390.54
315.0	3997.38	3573.36	3402.90	3154.96	2923.16	2708.65	2517.53	2337.03	2167.68
360.0	3443.00	3166.63	2928.73	2700.87	2593.91	2324.79	2218.35	2058.45	1826.65
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1733.09	1573.14	1412.72	1101.03	1101.03	946.65	798.58	665.55	545.76
45.0	1772.09	1608.25	1440.58	1281.79	1119.06	960.84	810.99	677.27	559.11
90.0	1537.51	1374.25	1048.67	1048.67	893.67	746.02	619.34	504.92	403.31
135.0	1767.62	1607.15	1441.68	1275.64	1114.06	953.06	802.63	667.23	549.12
180.0	1965.94	1802.16	1635.59	1472.85	1305.18	1141.34	982.03	832.12	691.20
225.0	1887.41	1716.38	1544.76	1377.03	1024.81	1024.81	873.01	734.77	607.31
270.0	2215.56	2044.52	1881.84	1712.43	1541.97	1370.36	1199.32	1039.95	880.05
315.0	2003.31	1830.02	1663.45	1496.30	1102.60	1039.11	1005.84	847.78	735.40
360.0	1733.09	1573.14	1412.72	1101.03	1101.03	946.65	798.58	665.55	545.76
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	440.79	349.96	273.80	223.50	165.26	131.62	111.38	89.36	78.53
45.0	452.72	361.31	313.43	284.47	226.02	150.01	120.47	98.87	83.52
90.0	316.69	244.68	188.75	162.05	127.25	94.45	84.52	71.43	58.40
135.0	441.58	348.54	299.50	299.50	166.78	130.30	100.13	85.62	72.06
180.0	571.93	467.18	375.82	298.40	298.40	226.44	149.65	119.42	97.50
225.0	494.98	398.27	315.59	247.46	193.64	152.69	133.93	108.96	91.09
270.0	732.98	604.26	491.14	391.43	322.31	306.75	278.32	152.96	122.00
315.0	606.62	493.04	393.75	309.28	240.79	186.18	145.65	116.43	95.35
360.0	440.79	349.96	273.80	223.50	165.26	131.62	111.38	89.36	78.53

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	68.12	60.29	53.93	49.04	45.10	42.05	39.79	37.90	36.37
45.0	71.80	62.86	55.98	50.41	46.04	42.63	39.89	37.58	35.95
90.0	54.24	48.46	44.05	40.53	37.90	35.90	34.59	33.53	32.69
135.0	62.29	54.82	48.94	44.52	40.89	38.21	36.06	34.64	33.59
180.0	81.37	69.75	60.87	53.93	48.41	44.15	40.74	38.00	35.95
225.0	77.69	67.39	59.34	52.93	47.83	43.78	40.32	37.58	35.64
270.0	99.45	83.84	72.06	63.08	55.82	50.20	45.62	42.16	39.16
315.0	80.47	69.49	61.34	54.93	49.67	45.78	42.47	39.89	38.00
360.0	68.12	60.29	53.93	49.04	45.10	42.05	39.79	37.90	36.37
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	35.11	34.27	33.59	32.69	31.85	30.80	29.91	27.44	25.39
45.0	34.80	34.01	33.01	32.48	31.70	30.91	29.59	28.02	26.02
90.0	32.33	31.91	31.27	30.80	29.86	28.38	26.75	25.07	22.55
135.0	32.80	32.12	31.80	31.43	30.85	30.49	28.54	27.60	25.97
180.0	34.48	33.27	32.43	31.75	31.48	30.64	29.86	29.17	27.91
225.0	34.01	32.69	31.91	31.17	30.59	29.86	29.44	28.38	26.23
270.0	37.74	35.01	33.64	32.85	31.70	31.33	30.64	30.01	29.33
315.0	36.48	35.27	34.59	33.96	33.06	32.54	31.70	30.85	29.33
360.0	35.11	34.27	33.59	32.69	31.85	30.80	29.91	27.44	25.39
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	24.18	21.29	20.03	17.98	16.29	14.61	13.30	12.25	11.30
45.0	23.86	21.81	19.61	17.61	15.93	14.24	12.88	11.77	10.88
90.0	20.87	18.82	16.56	15.24	13.56	12.46	11.51	10.62	9.83
135.0	23.97	22.13	19.87	17.92	16.29	14.72	13.35	12.30	11.35
180.0	26.23	24.39	22.50	20.60	18.61	16.77	15.19	13.67	12.62
225.0	25.28	23.44	21.50	19.55	17.66	15.98	14.35	12.88	11.83
270.0	28.02	26.49	24.91	22.86	20.97	19.03	17.03	15.40	13.82
315.0	27.70	25.55	23.55	21.45	19.13	17.40	15.72	14.03	12.72
360.0	24.18	21.29	20.03	17.98	16.29	14.61	13.30	12.25	11.30
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.51	9.72	8.94	8.30	7.62	6.94	6.36	5.73	5.20
45.0	10.20	9.41	8.67	7.94	7.62	6.94	6.36	5.73	5.10
90.0	9.15	8.46	7.78	7.04	6.47	5.89	5.26	4.73	4.15
135.0	10.67	9.88	9.20	8.52	7.88	7.25	6.62	5.94	5.62
180.0	11.62	10.83	10.14	9.41	8.67	7.99	7.41	6.94	5.94
225.0	11.04	10.20	9.46	8.73	8.04	7.46	6.73	6.10	5.52
270.0	12.46	11.41	10.51	9.78	9.15	8.46	7.88	7.15	6.57
315.0	11.72	10.99	10.25	9.72	8.67	8.09	7.67	6.78	6.47
360.0	10.51	9.72	8.94	8.30	7.62	6.94	6.36	5.73	5.20
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.68	4.21	3.68	3.26	2.94	2.37	2.16	1.79	1.42
45.0	4.52	3.84	3.36	2.94	2.42	2.00	1.58	1.26	1.00
90.0	3.73	3.31	2.84	2.37	2.05	1.73	1.31	0.95	0.95
135.0	4.89	4.36	3.94	3.42	3.00	2.52	2.21	1.94	1.10
180.0	5.68	4.84	4.15	3.78	3.15	2.68	2.26	1.94	1.58
225.0	4.99	4.47	3.84	3.31	2.89	2.47	2.05	1.68	1.37
270.0	6.04	5.41	4.78	4.31	3.78	3.36	2.94	2.42	2.00
315.0	5.68	5.15	4.73	4.21	3.78	3.15	2.89	2.37	2.05
360.0	4.68	4.21	3.68	3.26	2.94	2.37	2.16	1.79	1.42

Intensity data(cd)

C/γ(°)	90.0
0.0	1.16
45.0	0.95
90.0	1.00
135.0	1.10
180.0	1.21
225.0	1.21
270.0	1.73
315.0	1.89
360.0	1.16