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Nata

Client:

LumCAT: 2-2565-L

Luminaire: 92.70.411.00

Report No: 2024902-B004

Ballast type: AC

Test No: 2024902-C004

Voltage(V): 36.560

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

Lamp flux(lm): 4053.0 Power (W): 32.850

Number of Lamps: 1 PF: 0.000

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

Phm Type: C Height(mm): 0

Photometric Results

Lumens(lm): 3701.59, Efficiency(%): 91.33% , Luminous Efficacy(lm/W): 112.68

Central intensity(cd): 10834.600, Maximum intensity(cd): 10834.600

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=26.8

[C90/270]Total=26.8

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

[C90/270]Total=63.2

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

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(%): 91.33%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.022%

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	10834.603	0.000	0	0.00%	0.00%
1.0	10773.519	10.339	10.339	0.26%	0.28%
2.0	10633.466	30.725	41.064	0.76%	1.11%
3.0	10415.890	50.343	91.408	1.24%	2.47%
4.0	10083.892	68.619	160.027	1.69%	4.32%
5.0	9700.285	85.110	245.137	2.10%	6.62%
6.0	9242.091	99.547	344.685	2.46%	9.31%
7.0	8728.601	111.544	456.228	2.75%	12.33%
8.0	8190.867	121.089	577.318	2.99%	15.60%
9.0	7636.990	128.276	705.594	3.16%	19.06%
10.0	7089.978	133.274	838.868	3.29%	22.66%
11.0	6567.579	136.467	975.335	3.37%	26.35%
12.0	6068.498	138.130	1113.465	3.41%	30.08%
13.0	5603.044	138.512	1251.977	3.42%	33.82%
14.0	5160.455	137.772	1389.749	3.40%	37.54%
15.0	4749.613	136.050	1525.799	3.36%	41.22%
16.0	4366.433	133.576	1659.374	3.30%	44.83%
17.0	4028.226	130.727	1790.101	3.23%	48.36%
18.0	3687.594	127.217	1917.319	3.14%	51.80%
19.0	3419.263	123.645	2040.963	3.05%	55.14%
20.0	3152.791	120.287	2161.25	2.97%	58.39%
21.0	2936.332	116.923	2278.174	2.88%	61.55%
22.0	2739.098	114.050	2392.224	2.81%	64.63%
23.0	2518.604	110.321	2502.545	2.72%	67.61%
24.0	2369.281	106.867	2609.411	2.64%	70.49%
25.0	2195.450	103.792	2713.203	2.56%	73.30%
26.0	2031.508	99.778	2812.981	2.46%	75.99%
27.0	1872.224	95.506	2908.487	2.36%	78.57%
28.0	1677.217	89.864	2998.351	2.22%	81.00%
29.0	1527.887	83.855	3082.206	2.07%	83.27%
30.0	1341.855	77.482	3159.688	1.91%	85.36%
31.0	1173.103	69.988	3229.676	1.73%	87.25%
32.0	1021.381	62.869	3292.545	1.55%	88.95%
33.0	886.841	56.217	3348.762	1.39%	90.47%
34.0	743.286	49.332	3398.095	1.22%	91.80%
35.0	608.904	41.994	3440.089	1.04%	92.94%
36.0	493.247	35.093	3475.181	0.87%	93.88%
37.0	378.292	28.425	3503.606	0.70%	94.65%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	307.714	22.898	3526.504	0.56%	95.27%
39.0	246.078	18.902	3545.406	0.47%	95.78%
40.0	176.268	14.730	3560.136	0.36%	96.18%
41.0	152.444	11.705	3571.842	0.29%	96.49%
42.0	125.927	10.114	3581.955	0.25%	96.77%
43.0	105.197	8.562	3590.517	0.21%	97.00%
44.0	92.747	7.471	3597.988	0.18%	97.20%
45.0	81.702	6.704	3604.692	0.17%	97.38%
46.0	72.484	6.030	3610.722	0.15%	97.55%
47.0	64.921	5.465	3616.187	0.13%	97.69%
48.0	58.758	5.000	3621.187	0.12%	97.83%
49.0	53.673	4.617	3625.804	0.11%	97.95%
50.0	49.560	4.304	3630.108	0.11%	98.07%
51.0	46.202	4.052	3634.159	0.10%	98.18%
52.0	43.522	3.850	3638.01	0.09%	98.28%
53.0	41.478	3.697	3641.707	0.09%	98.38%
54.0	39.645	3.576	3645.283	0.09%	98.48%
55.0	38.298	3.479	3648.762	0.09%	98.57%
56.0	37.287	3.415	3652.177	0.08%	98.67%
57.0	36.446	3.371	3655.549	0.08%	98.76%
58.0	35.591	3.331	3658.88	0.08%	98.85%
59.0	34.691	3.286	3662.166	0.08%	98.94%
60.0	33.811	3.236	3665.402	0.08%	99.02%
61.0	32.319	3.156	3668.558	0.08%	99.11%
62.0	30.828	3.043	3671.601	0.08%	99.19%
63.0	28.877	2.904	3674.504	0.07%	99.27%
64.0	26.551	2.720	3677.224	0.07%	99.34%
65.0	24.172	2.510	3679.734	0.06%	99.41%
66.0	21.564	2.282	3682.016	0.06%	99.47%
67.0	19.185	2.049	3684.065	0.05%	99.53%
68.0	16.925	1.829	3685.894	0.05%	99.58%
69.0	14.980	1.628	3687.522	0.04%	99.62%
70.0	13.384	1.457	3688.979	0.04%	99.66%
71.0	12.050	1.315	3690.293	0.03%	99.69%
72.0	11.012	1.199	3691.492	0.03%	99.73%
73.0	10.158	1.107	3692.599	0.03%	99.76%
74.0	9.448	1.031	3693.63	0.03%	99.79%
75.0	8.679	0.958	3694.588	0.02%	99.81%

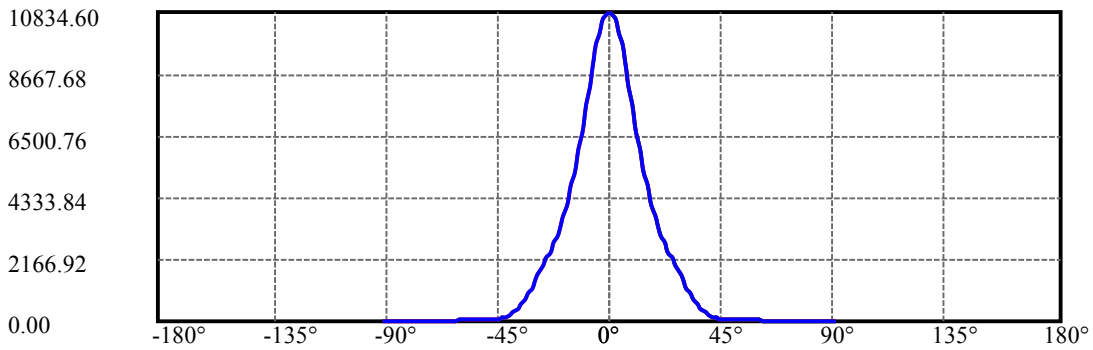
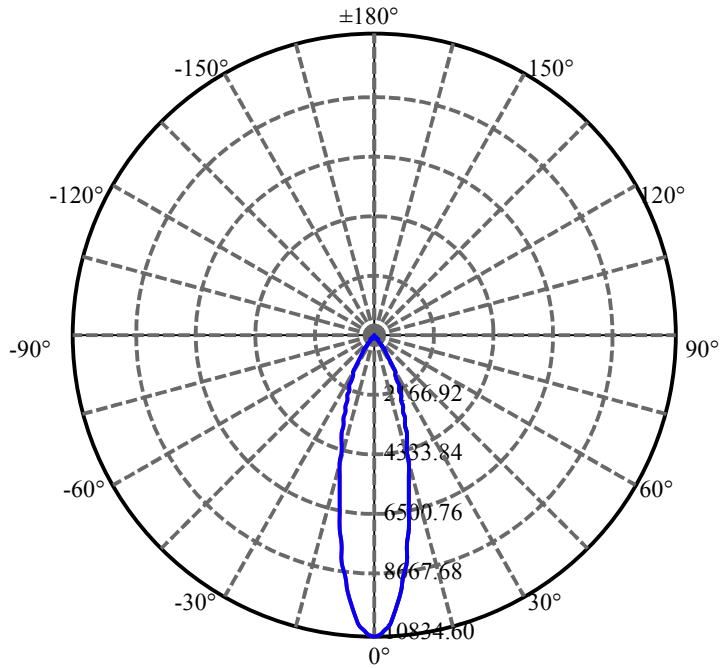
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.990	0.885	3695.473	0.02%	99.83%
77.0	7.418	0.821	3696.294	0.02%	99.86%
78.0	6.695	0.755	3697.05	0.02%	99.88%
79.0	6.051	0.685	3697.735	0.02%	99.90%
80.0	5.473	0.621	3698.356	0.02%	99.91%
81.0	4.842	0.558	3698.914	0.01%	99.93%
82.0	4.304	0.496	3699.41	0.01%	99.94%
83.0	3.758	0.438	3699.848	0.01%	99.95%
84.0	3.246	0.382	3700.23	0.01%	99.96%
85.0	2.779	0.329	3700.558	0.01%	99.97%
86.0	2.378	0.282	3700.84	0.01%	99.98%
87.0	2.011	0.240	3701.081	0.01%	99.99%
88.0	1.669	0.202	3701.282	0.00%	99.99%
89.0	1.340	0.165	3701.447	0.00%	100.00%
90.0	1.183	0.138	3701.585	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3159.69	77.96%	85.36%
0-40	3560.14	87.84%	96.18%
0-60	3665.40	90.44%	99.02%
0-90	3701.45	91.33%	100.00%
0-120	3701.45	91.33%	100.00%
0-180	3701.59	91.33%	100.00%
60-90	36.05	0.89%	0.97%
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	2961.27	73.06%	80.00%

ZONAL LUMEN SUMMARY

0-10	838.87
10-20	1322.38
20-30	998.44
30-40	400.45
40-50	69.97
50-60	35.29
60-70	23.58
70-80	9.38
80-90	3.09
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: —————

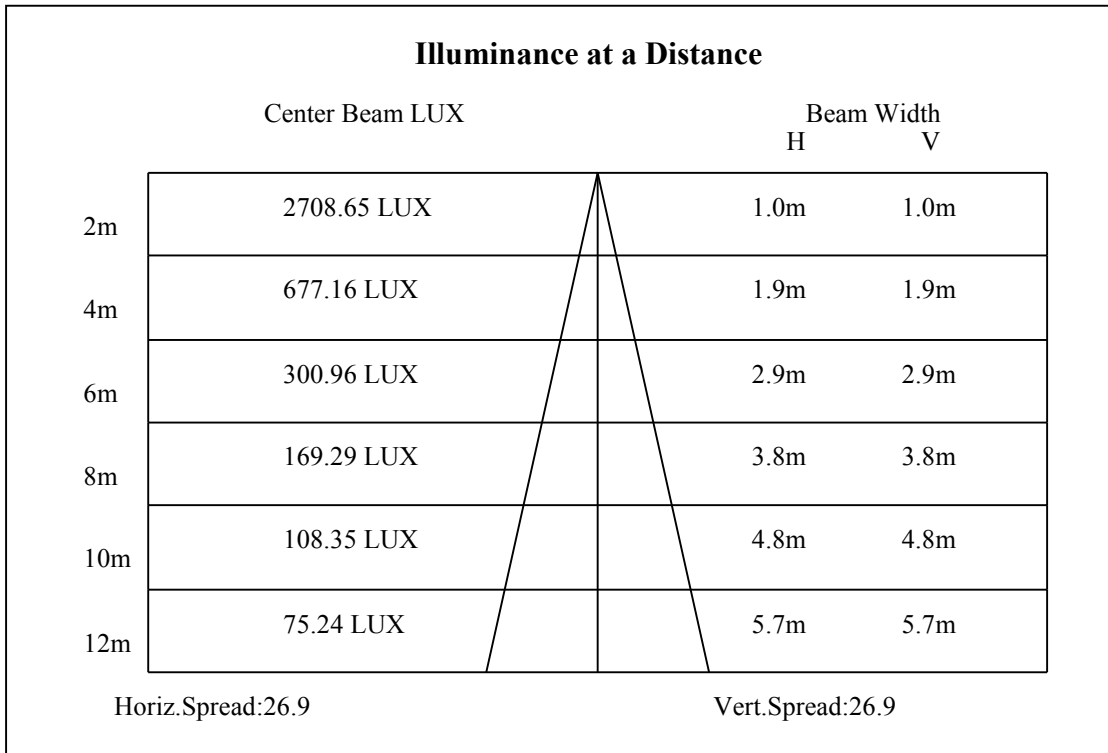
C90/C270: —————

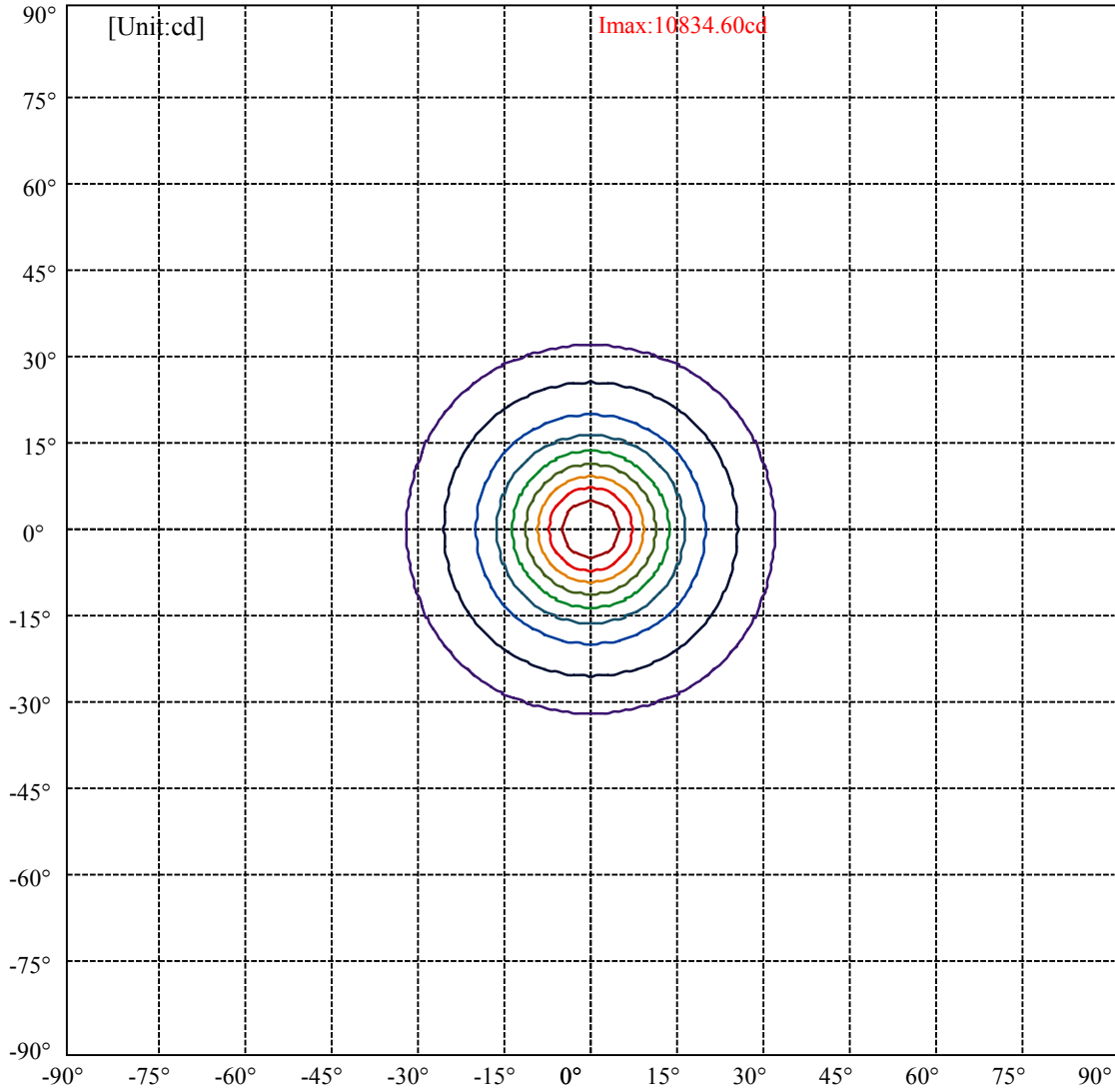
Field angle(10%Imax):C0/180Left:31.6 Right:31.6

:C90/270Left:31.6 Right:31.6

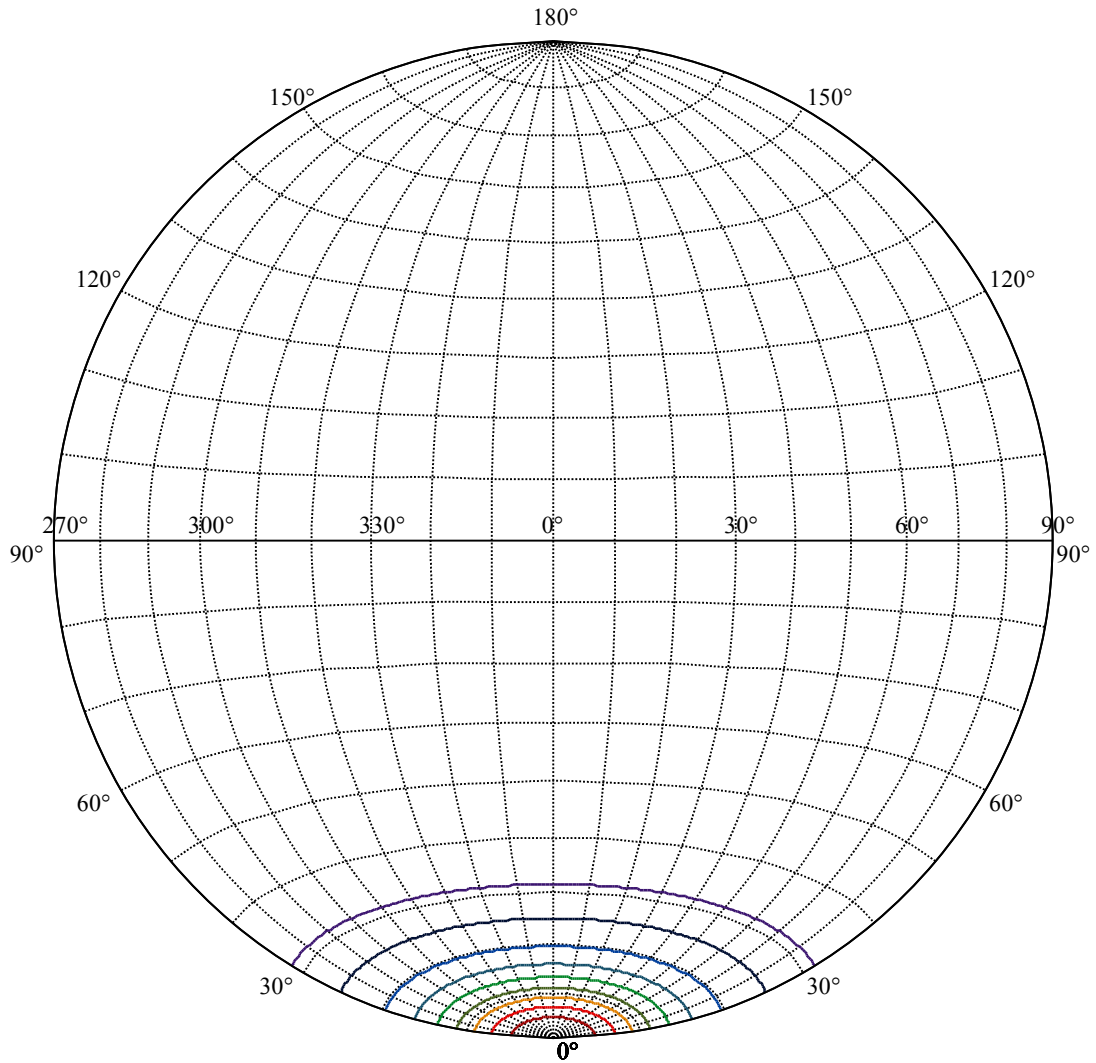
Beam Angle(50%Imax):C0/180Left:13.4 Right:13.4

:C90/270Left:13.4 Right:13.4





(10%Imax) 1083.46	—
(20%Imax) 2166.92	—
(30%Imax) 3250.38	—
(40%Imax) 4333.84	—
(50%Imax) 5417.3	—
(60%Imax) 6500.76	—
(70%Imax) 7584.22	—
(80%Imax) 8667.68	—
(90%Imax) 9751.14	—



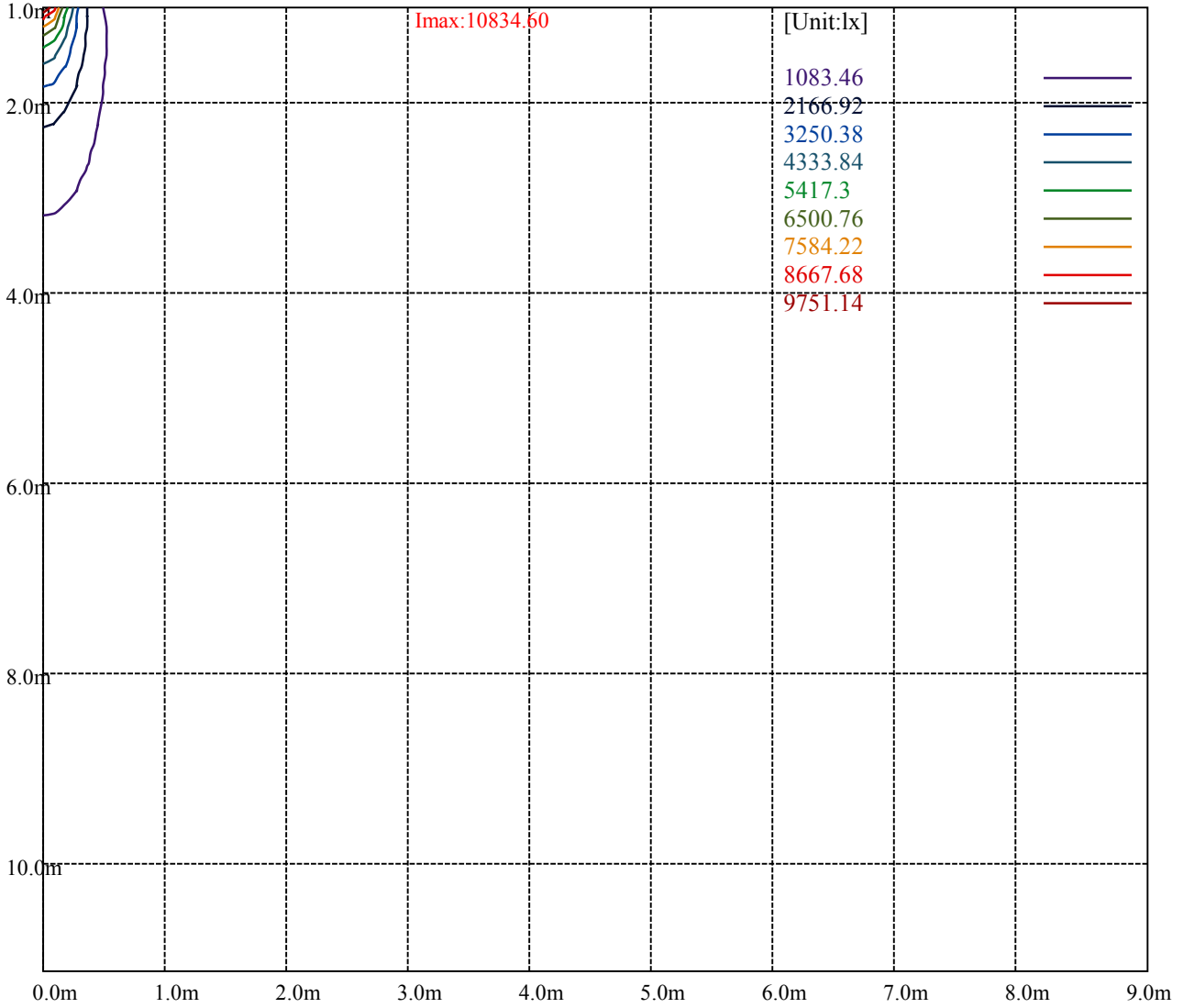
House

[Unit:cd]

Road

Imax:10834.60

(10%Imax)	1083.46	—
(20%Imax)	2166.92	—
(30%Imax)	3250.38	—
(40%Imax)	4333.84	—
(50%Imax)	5417.3	—
(60%Imax)	6500.76	—
(70%Imax)	7584.22	—
(80%Imax)	8667.68	—
(90%Imax)	9751.14	—



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

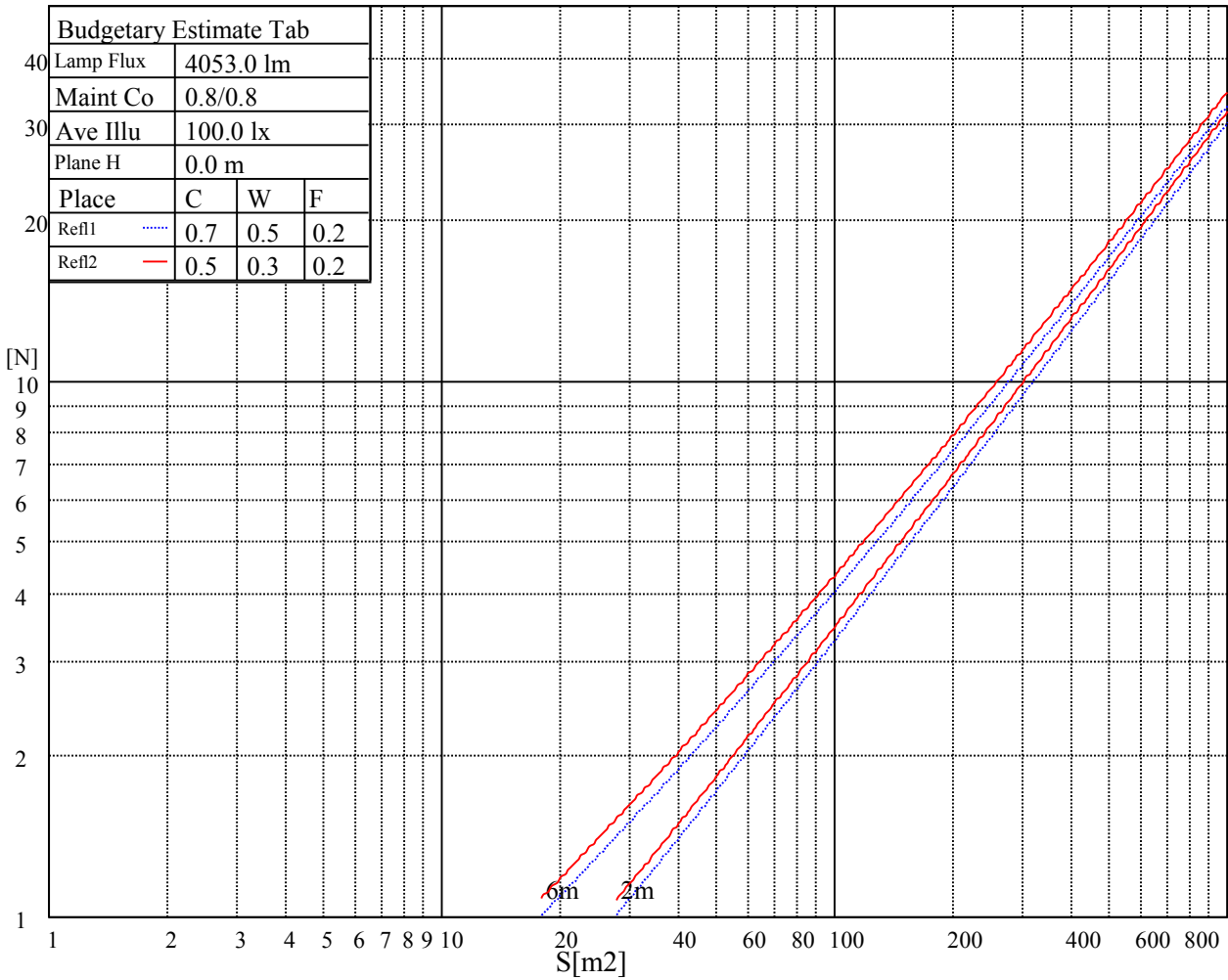
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

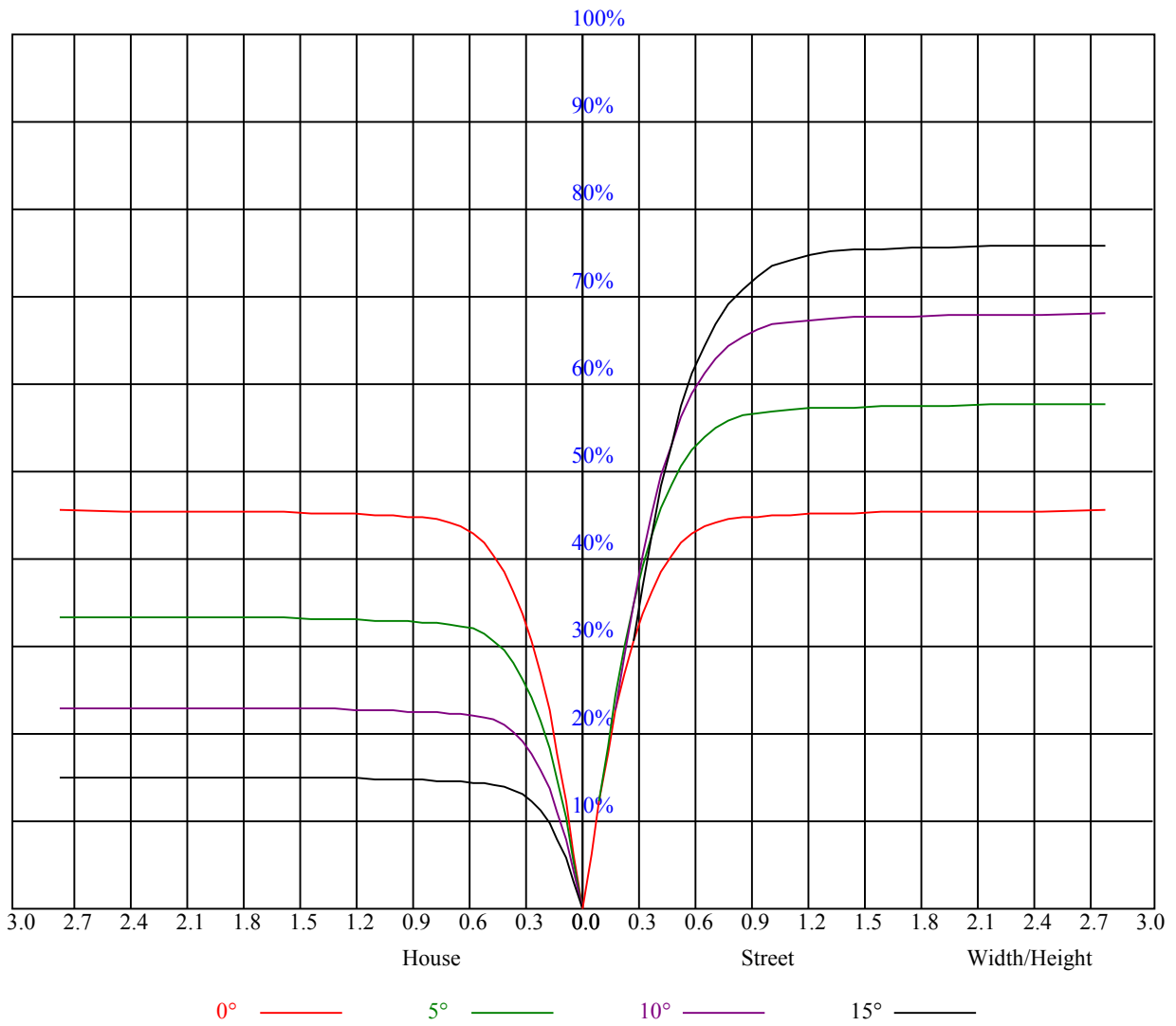


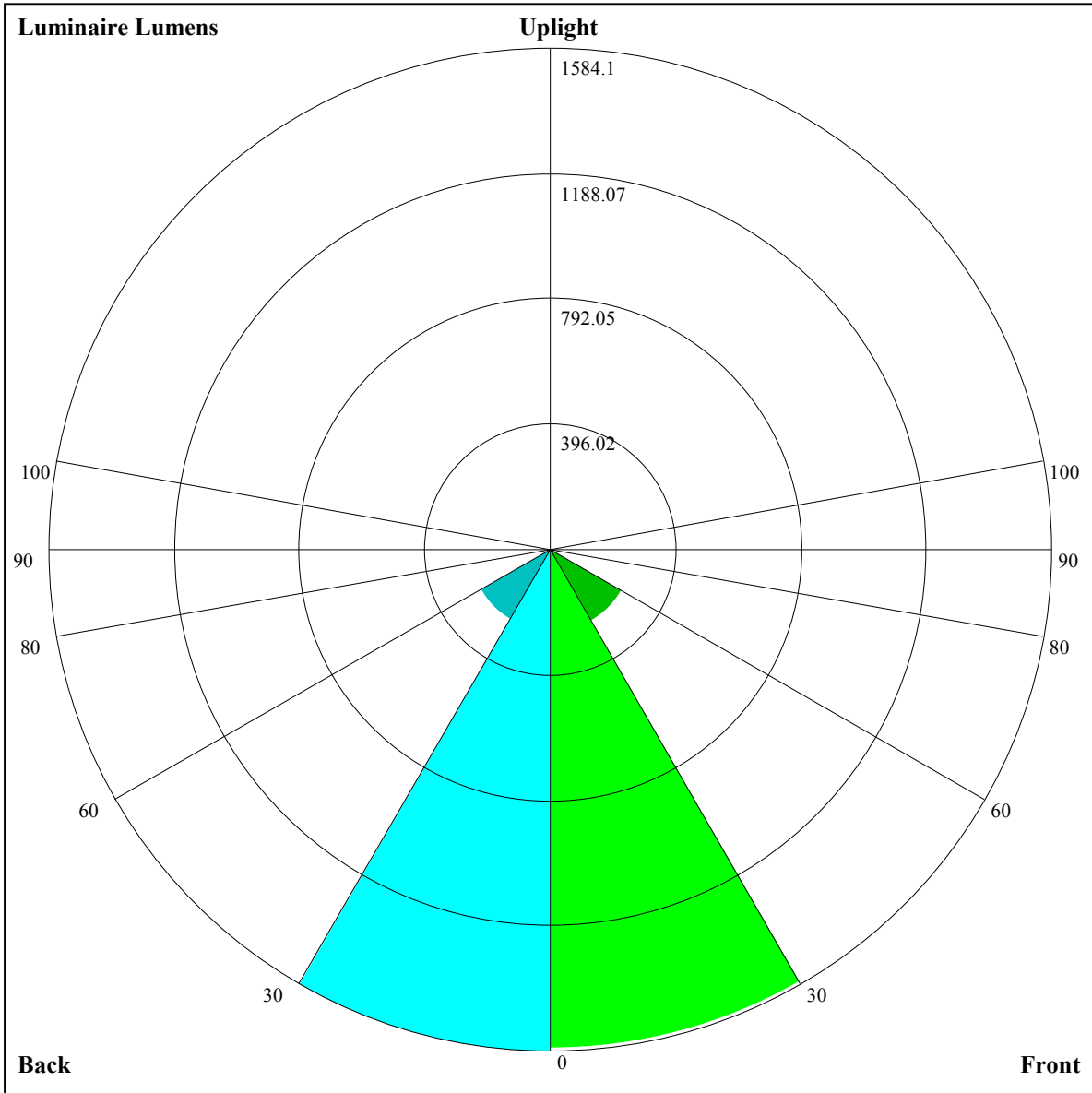
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.01	1.01	1.01	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	0.96	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	0.77	0.75	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	0.72	0.77	0.74	0.72	0.71
6	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.67
7	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.64
8	0.71	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	0.65	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=1574.62,FM=257.8,FH=16.61,FVH=1.6

BL=1584.1,BM=256.38,BH=16.43,BVH=1.65

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	10834.87	10692.79	10526.74	10221.46	9826.40	9372.31	8836.33	8271.92	7693.05
45.0	10855.52	10799.81	10639.86	10390.24	10021.99	9605.22	9123.27	8610.68	8059.67
90.0	10735.68	10463.25	10134.52	9723.90	9256.99	8737.73	8188.92	7623.98	7064.56
135.0	10912.34	10764.12	10509.50	10272.13	9781.83	9435.86	8953.34	8414.57	7862.98
180.0	10834.87	10830.40	10748.51	10526.22	10311.71	9969.58	9566.22	9091.53	8573.89
225.0	10855.52	10828.19	10675.55	10521.23	10202.49	9814.15	9381.78	8877.02	8343.82
270.0	10735.68	10853.84	10951.34	10947.40	10797.55	10568.01	10238.18	9804.69	9346.14
315.0	10912.34	10955.76	10881.70	10724.54	10472.18	10099.41	9648.69	9134.42	8582.83
360.0	10834.87	10692.79	10526.74	10221.46	9826.40	9372.31	8836.33	8271.92	7693.05
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7147.61	6614.36	6127.95	5641.59	5203.06	4798.01	4417.46	4064.24	3737.72
45.0	7479.64	6931.42	6418.83	5926.84	5459.35	5033.12	4622.50	4248.68	3889.31
90.0	6533.05	6021.56	5544.08	5101.66	4698.82	4299.93	3952.81	3639.11	3333.25
135.0	7293.57	6749.18	6243.32	5746.87	5297.25	4859.88	4470.39	4101.56	3765.05
180.0	8021.77	7475.75	6926.95	6406.00	5922.95	5461.61	5023.14	4614.15	4241.95
225.0	7786.66	7234.49	6700.19	6190.39	5710.07	5257.67	4837.01	4440.90	4080.95
270.0	8812.94	8249.63	7670.76	7131.42	6618.25	6123.53	5656.62	5212.57	4796.33
315.0	8020.67	7443.43	6908.55	6403.22	5914.60	5449.89	5016.99	4610.26	4381.24
360.0	7147.61	6614.36	6127.95	5641.59	5203.06	4798.01	4417.46	4064.24	3737.72
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3443.58	3184.50	2939.35	2807.84	2528.15	2349.28	2259.03	2102.45	1949.81
45.0	3572.83	3280.85	3084.74	2806.15	2627.86	2440.11	2266.28	2113.07	1950.38
90.0	3076.96	2894.77	2626.76	2475.75	2300.82	2113.59	1968.73	1793.80	1618.87
135.0	3456.93	3185.60	2943.76	2723.68	2528.15	2351.54	2252.36	2008.89	1830.59
180.0	3885.37	3566.16	3278.64	3020.14	2878.59	2661.87	2399.43	2298.03	2144.81
225.0	3748.86	3448.57	3182.82	3036.27	2815.09	2535.40	2419.50	2243.42	2085.73
270.0	4418.04	4067.60	3733.30	3438.01	3279.22	2947.13	2820.66	2613.41	2439.01
315.0	3898.19	3726.05	3432.96	3182.82	2954.91	2749.91	2568.26	2390.54	2232.86
360.0	3443.58	3184.50	2939.35	2807.84	2528.15	2349.28	2259.03	2102.45	1949.81
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1778.19	1606.05	1438.32	1051.20	1051.20	955.74	802.63	658.66	550.22
45.0	1774.88	1604.94	1427.76	1265.07	1102.92	946.91	798.69	654.98	526.83
90.0	1441.68	1053.30	1053.30	957.85	804.31	656.56	521.16	401.00	298.45
135.0	1720.27	1543.66	1368.67	1194.85	1032.17	875.06	723.47	583.08	455.51
180.0	1983.81	1809.94	1637.22	1466.18	1295.72	1131.88	969.78	815.40	666.65
225.0	1917.48	1744.23	1572.04	1414.35	1062.50	1062.50	907.12	757.27	617.14
270.0	2274.06	2130.88	1975.98	1809.41	1635.01	1466.76	1296.24	1129.10	966.99
315.0	2087.41	1924.73	1749.81	1575.93	1401.00	1075.64	1075.64	946.81	789.44
360.0	1778.19	1606.05	1438.32	1051.20	1051.20	955.74	802.63	658.66	550.22
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	425.28	299.13	232.75	173.04	138.50	124.15	108.80	95.35	83.78
45.0	407.04	305.07	305.07	286.68	149.33	130.25	114.43	101.66	89.41
90.0	247.20	163.84	138.87	128.31	112.01	99.29	87.73	77.58	68.59
135.0	343.50	305.07	286.68	152.27	132.35	118.42	104.02	89.46	80.89
180.0	532.41	410.36	305.07	305.07	211.30	144.91	125.62	109.80	96.66
225.0	537.71	373.35	277.85	229.96	158.27	143.23	123.94	108.33	95.93
270.0	812.09	668.33	534.04	413.14	306.75	306.75	211.88	144.97	126.41
315.0	640.74	501.18	381.39	280.16	201.63	152.54	130.99	114.43	100.29
360.0	425.28	299.13	232.75	173.04	138.50	124.15	108.80	95.35	83.78

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	73.85	65.97	59.71	54.67	50.35	46.78	44.05	41.89	40.32
45.0	79.00	70.17	63.02	57.08	52.35	48.41	45.36	43.05	41.10
90.0	61.34	55.66	50.99	47.04	43.84	41.37	39.37	37.69	36.53
135.0	71.17	63.60	57.77	52.67	48.46	44.99	42.16	39.95	38.11
180.0	85.31	75.06	66.54	59.92	54.72	50.30	46.52	43.63	41.05
225.0	84.68	74.95	66.81	60.39	55.03	50.67	46.94	43.94	41.84
270.0	110.59	97.08	85.68	76.11	68.02	61.81	56.66	52.46	48.88
315.0	87.67	77.37	68.86	62.18	56.61	52.14	48.57	45.57	43.99
360.0	73.85	65.97	59.71	54.67	50.35	46.78	44.05	41.89	40.32
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	38.74	37.90	37.11	36.69	35.53	34.80	34.06	31.59	30.64
45.0	39.63	38.63	37.74	37.16	36.37	35.43	34.32	32.85	30.85
90.0	35.74	34.95	34.32	33.43	32.75	31.27	29.80	27.96	25.34
135.0	36.64	35.48	34.59	34.01	33.11	32.38	31.80	29.70	28.07
180.0	39.11	37.48	36.32	35.22	34.43	33.75	32.80	32.22	31.17
225.0	39.95	38.32	37.11	36.64	35.48	34.43	33.75	32.12	31.06
270.0	46.15	43.94	42.10	40.68	39.63	38.63	38.21	37.16	35.64
315.0	41.21	39.68	39.00	37.74	37.42	36.85	35.74	34.95	33.85
360.0	38.74	37.90	37.11	36.69	35.53	34.80	34.06	31.59	30.64
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	28.28	25.44	22.81	20.08	17.98	15.61	13.77	12.51	11.46
45.0	28.49	25.76	23.07	20.29	18.08	15.66	13.88	12.56	11.51
90.0	22.92	20.34	17.92	15.82	13.82	12.46	11.35	10.51	9.72
135.0	26.60	23.34	21.87	19.24	17.29	15.09	13.51	12.30	11.20
180.0	29.01	27.91	25.44	22.97	20.55	18.24	16.19	14.24	12.83
225.0	29.22	27.12	24.60	21.81	19.19	17.08	14.98	13.30	11.93
270.0	34.74	32.80	30.70	28.07	25.18	22.39	19.71	17.24	14.88
315.0	31.75	29.70	26.96	24.23	21.39	18.87	16.45	14.40	12.88
360.0	28.28	25.44	22.81	20.08	17.98	15.61	13.77	12.51	11.46
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.51	9.78	9.20	8.36	7.62	7.04	6.41	5.73	5.10
45.0	10.62	9.83	9.20	8.52	7.78	7.41	6.47	5.73	5.31
90.0	9.04	8.36	7.67	7.04	6.47	5.73	5.10	4.57	3.99
135.0	10.46	9.67	8.99	8.30	7.67	7.04	6.36	5.73	5.15
180.0	11.56	10.72	9.93	9.20	8.52	7.88	7.25	6.57	5.94
225.0	10.99	10.20	9.46	8.73	8.04	7.52	6.83	6.10	5.52
270.0	13.25	11.93	10.83	10.04	9.30	8.62	7.88	7.25	6.68
315.0	11.67	10.78	10.30	9.25	8.52	8.09	7.25	6.73	6.10
360.0	10.51	9.78	9.20	8.36	7.62	7.04	6.41	5.73	5.10
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.52	3.94	3.47	2.89	2.42	2.05	1.79	1.42	1.05
45.0	4.52	3.89	3.42	2.89	2.31	2.00	1.58	1.26	1.05
90.0	3.47	3.05	2.73	2.31	2.10	1.73	1.42	1.00	1.00
135.0	4.57	4.05	3.47	3.10	2.68	2.37	2.00	1.79	1.00
180.0	5.41	4.84	4.26	3.68	3.10	2.73	2.31	2.00	1.58
225.0	4.99	4.47	3.73	3.31	2.84	2.31	1.94	1.68	1.37
270.0	5.99	5.41	4.73	4.05	3.57	3.00	2.68	2.21	1.94
315.0	5.26	4.78	4.26	3.73	3.21	2.84	2.37	2.00	1.73
360.0	4.52	3.94	3.47	2.89	2.42	2.05	1.79	1.42	1.05

Intensity data(cd)

C/γ(°)	90.0
0.0	1.00
45.0	1.00
90.0	1.00
135.0	1.05
180.0	1.21
225.0	1.16
270.0	1.52
315.0	1.52
360.0	1.00