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Nata

Client:

LumCAT: 2-2518-L

Luminaire: 92.70.411.00

Report No: 2024902-B027

Ballast type: AC

Test No: 2024902-C027

Voltage(V): 36.570

LampCAT: LUMILEDS LUXEON CoB 1208 Current(A): 0.897

Lamp flux(lm): 4053.0 Power (W): 32.800

Number of Lamps: 1 PF: 0.000

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

Phm Type: C Height(mm): 0

Photometric Results

Lumens(lm): 3738.87, Efficiency(%): 92.25% , Luminous Efficacy(lm/W): 113.99

Central intensity(cd): 17613.880, Maximum intensity(cd): 17613.880

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=20.4

[C90/270]Total=20.4

Field angle(10%Imax): [C0/180]Total=49.6

[C90/270]Total=49.6

Maximum s/h(1/2): C0_180=0.35 C90_270=0.35

Maximum s/h(1/4): C0_180=0.37 C90_270=0.37

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.25%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.149%

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	17613.879	0.000	0	0.00%	0.00%
1.0	17491.998	16.798	16.798	0.41%	0.45%
2.0	17130.539	49.694	66.491	1.23%	1.78%
3.0	16542.035	80.534	147.025	1.99%	3.93%
4.0	15563.066	107.466	254.491	2.65%	6.81%
5.0	14674.182	130.079	384.57	3.21%	10.29%
6.0	13610.869	148.645	533.215	3.67%	14.26%
7.0	12542.930	162.336	695.552	4.01%	18.60%
8.0	10973.197	168.300	863.852	4.15%	23.10%
9.0	10000.870	169.983	1033.835	4.19%	27.65%
10.0	9003.555	171.983	1205.818	4.24%	32.25%
11.0	7947.246	169.373	1375.192	4.18%	36.78%
12.0	6925.201	162.577	1537.769	4.01%	41.13%
13.0	6067.526	154.191	1691.96	3.80%	45.25%
14.0	5313.543	145.677	1837.637	3.59%	49.15%
15.0	4688.266	137.309	1974.946	3.39%	52.82%
16.0	4207.017	130.341	2105.287	3.22%	56.31%
17.0	3741.918	123.786	2229.073	3.05%	59.62%
18.0	3412.850	117.967	2347.039	2.91%	62.77%
19.0	3087.469	113.092	2460.132	2.79%	65.80%
20.0	2856.174	108.785	2568.917	2.68%	68.71%
21.0	2604.754	104.861	2673.778	2.59%	71.51%
22.0	2367.474	99.919	2773.697	2.47%	74.19%
23.0	2154.675	94.887	2868.584	2.34%	76.72%
24.0	1941.311	89.553	2958.137	2.21%	79.12%
25.0	1714.937	83.135	3041.272	2.05%	81.34%
26.0	1561.087	77.331	3118.603	1.91%	83.41%
27.0	1363.327	71.546	3190.149	1.77%	85.32%
28.0	1202.906	64.972	3255.121	1.60%	87.06%
29.0	1049.180	58.921	3314.042	1.45%	88.64%
30.0	928.431	53.395	3367.437	1.32%	90.07%
31.0	795.389	47.971	3415.408	1.18%	91.35%
32.0	669.791	41.976	3457.384	1.04%	92.47%
33.0	565.106	36.381	3493.764	0.90%	93.44%
34.0	465.796	31.198	3524.962	0.77%	94.28%
35.0	378.345	26.216	3551.178	0.65%	94.98%
36.0	326.788	22.452	3573.63	0.55%	95.58%
37.0	263.200	19.242	3592.872	0.47%	96.10%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	209.961	15.793	3608.665	0.39%	96.52%
39.0	164.862	12.794	3621.459	0.32%	96.86%
40.0	140.848	10.662	3632.121	0.26%	97.14%
41.0	106.288	8.800	3640.922	0.22%	97.38%
42.0	87.707	7.048	3647.97	0.17%	97.57%
43.0	74.685	6.015	3653.985	0.15%	97.73%
44.0	64.468	5.252	3659.237	0.13%	97.87%
45.0	57.129	4.673	3663.91	0.12%	98.00%
46.0	51.038	4.230	3668.141	0.10%	98.11%
47.0	46.124	3.864	3672.005	0.10%	98.21%
48.0	42.549	3.585	3675.59	0.09%	98.31%
49.0	38.975	3.348	3678.937	0.08%	98.40%
50.0	36.321	3.139	3682.077	0.08%	98.48%
51.0	33.850	2.969	3685.046	0.07%	98.56%
52.0	31.741	2.815	3687.86	0.07%	98.64%
53.0	29.947	2.683	3690.544	0.07%	98.71%
54.0	28.522	2.577	3693.121	0.06%	98.78%
55.0	27.135	2.484	3695.605	0.06%	98.84%
56.0	25.913	2.397	3698.002	0.06%	98.91%
57.0	25.046	2.330	3700.332	0.06%	98.97%
58.0	24.120	2.274	3702.606	0.06%	99.03%
59.0	23.647	2.233	3704.839	0.06%	99.09%
60.0	23.233	2.215	3707.054	0.05%	99.15%
61.0	22.766	2.195	3709.249	0.05%	99.21%
62.0	22.273	2.170	3711.419	0.05%	99.27%
63.0	21.715	2.139	3713.558	0.05%	99.32%
64.0	20.966	2.094	3715.653	0.05%	99.38%
65.0	19.928	2.024	3717.677	0.05%	99.43%
66.0	18.837	1.934	3719.611	0.05%	99.48%
67.0	17.385	1.821	3721.432	0.04%	99.53%
68.0	16.156	1.699	3723.131	0.04%	99.58%
69.0	14.901	1.584	3724.716	0.04%	99.62%
70.0	13.489	1.458	3726.174	0.04%	99.66%
71.0	12.503	1.343	3727.517	0.03%	99.70%
72.0	11.478	1.247	3728.764	0.03%	99.73%
73.0	10.480	1.148	3729.912	0.03%	99.76%
74.0	9.507	1.051	3730.963	0.03%	99.79%
75.0	8.548	0.954	3731.917	0.02%	99.81%

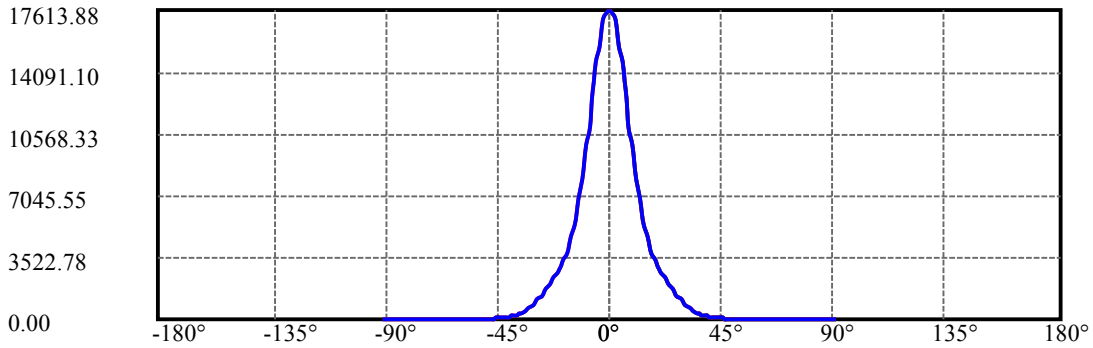
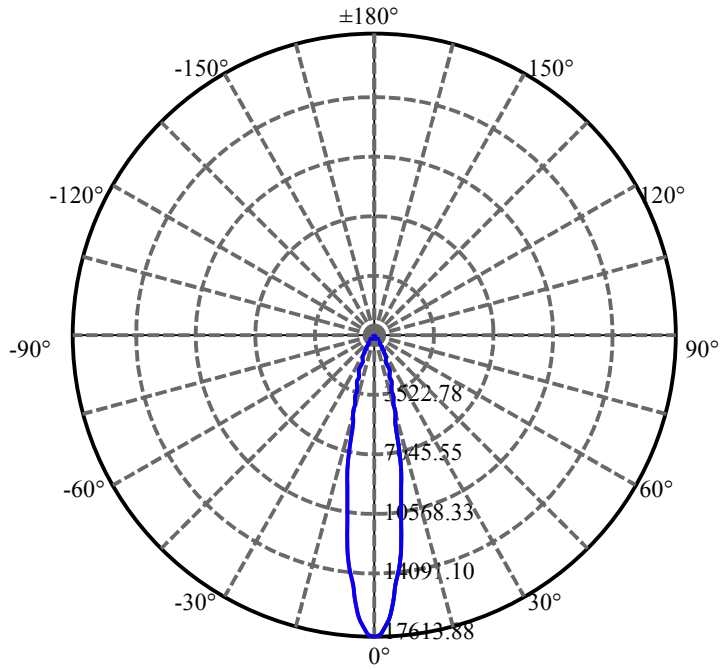
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.714	0.863	3732.78	0.02%	99.84%
77.0	6.958	0.782	3733.562	0.02%	99.86%
78.0	6.340	0.712	3734.274	0.02%	99.88%
79.0	5.703	0.647	3734.921	0.02%	99.89%
80.0	5.191	0.587	3735.509	0.01%	99.91%
81.0	4.704	0.535	3736.044	0.01%	99.92%
82.0	4.231	0.485	3736.528	0.01%	99.94%
83.0	3.745	0.434	3736.962	0.01%	99.95%
84.0	3.357	0.387	3737.349	0.01%	99.96%
85.0	2.911	0.342	3737.691	0.01%	99.97%
86.0	2.576	0.300	3737.991	0.01%	99.98%
87.0	2.240	0.264	3738.254	0.01%	99.98%
88.0	1.951	0.230	3738.484	0.01%	99.99%
89.0	1.735	0.202	3738.686	0.00%	100.00%
90.0	1.583	0.182	3738.868	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3367.44	83.09%	90.07%
0-40	3632.12	89.62%	97.14%
0-60	3707.05	91.46%	99.15%
0-90	3738.69	92.24%	100.00%
0-120	3738.69	92.24%	100.00%
0-180	3738.87	92.25%	100.00%
60-90	31.63	0.78%	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%
0-24.40	2991.09	73.80%	80.00%

ZONAL LUMEN SUMMARY

0-10	1205.82
10-20	1363.10
20-30	798.52
30-40	264.68
40-50	49.96
50-60	24.98
60-70	19.12
70-80	9.34
80-90	3.18
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: —————

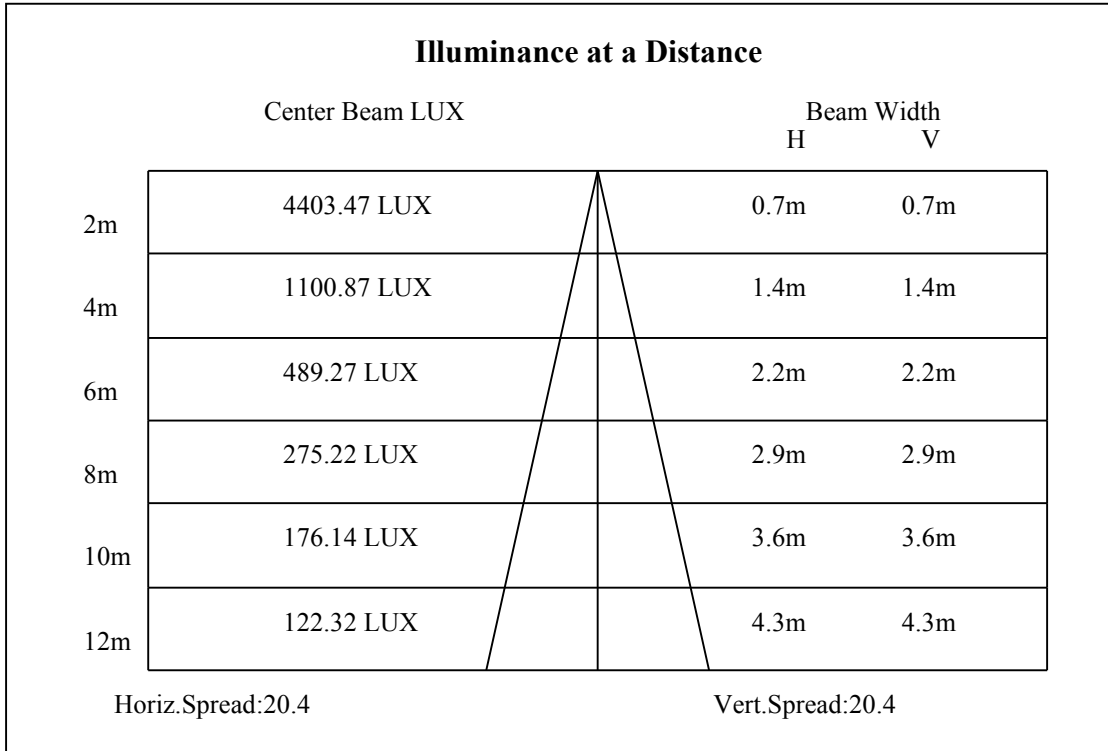
C90/C270: —————

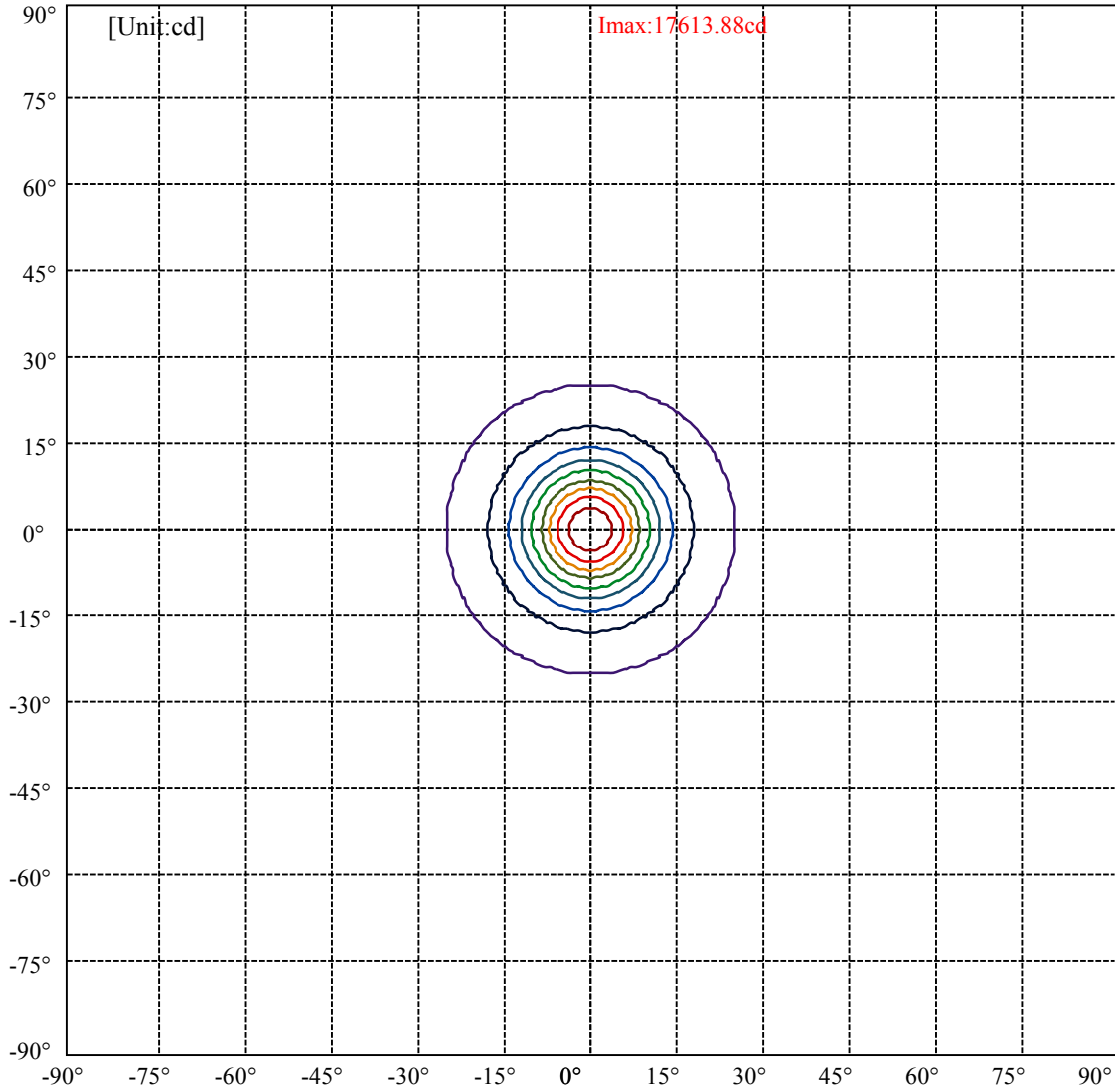
Field angle(10%Imax):C0/180Left:24.8 Right:24.8

:C90/270Left:24.8 Right:24.8

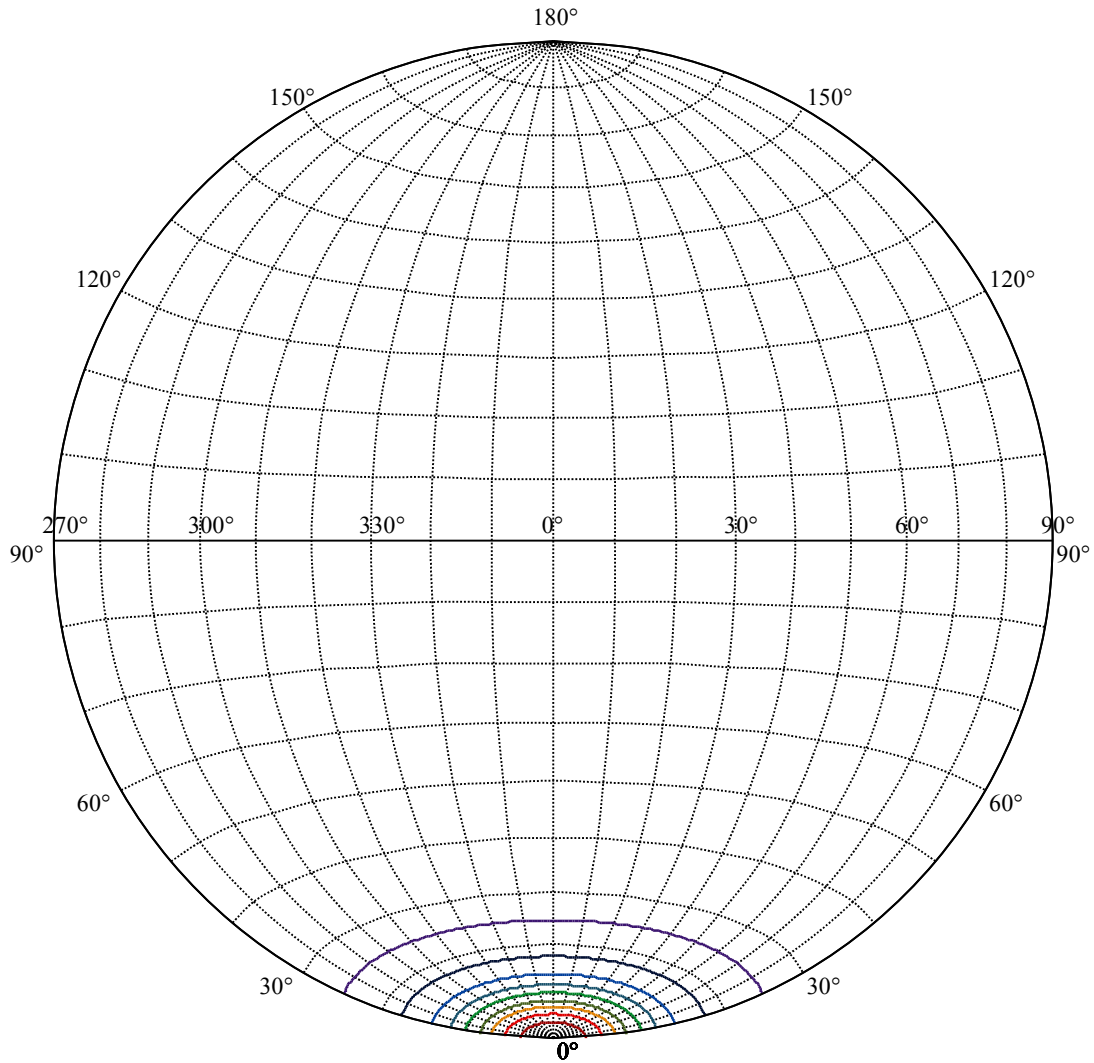
Beam Angle(50%Imax):C0/180Left:10.2 Right:10.2

:C90/270Left:10.2 Right:10.2





(10%Imax) 1761.39	—
(20%Imax) 3522.78	—
(30%Imax) 5284.16	—
(40%Imax) 7045.55	—
(50%Imax) 8806.94	—
(60%Imax) 10568.3	—
(70%Imax) 12329.7	—
(80%Imax) 14091.1	—
(90%Imax) 15852.5	—



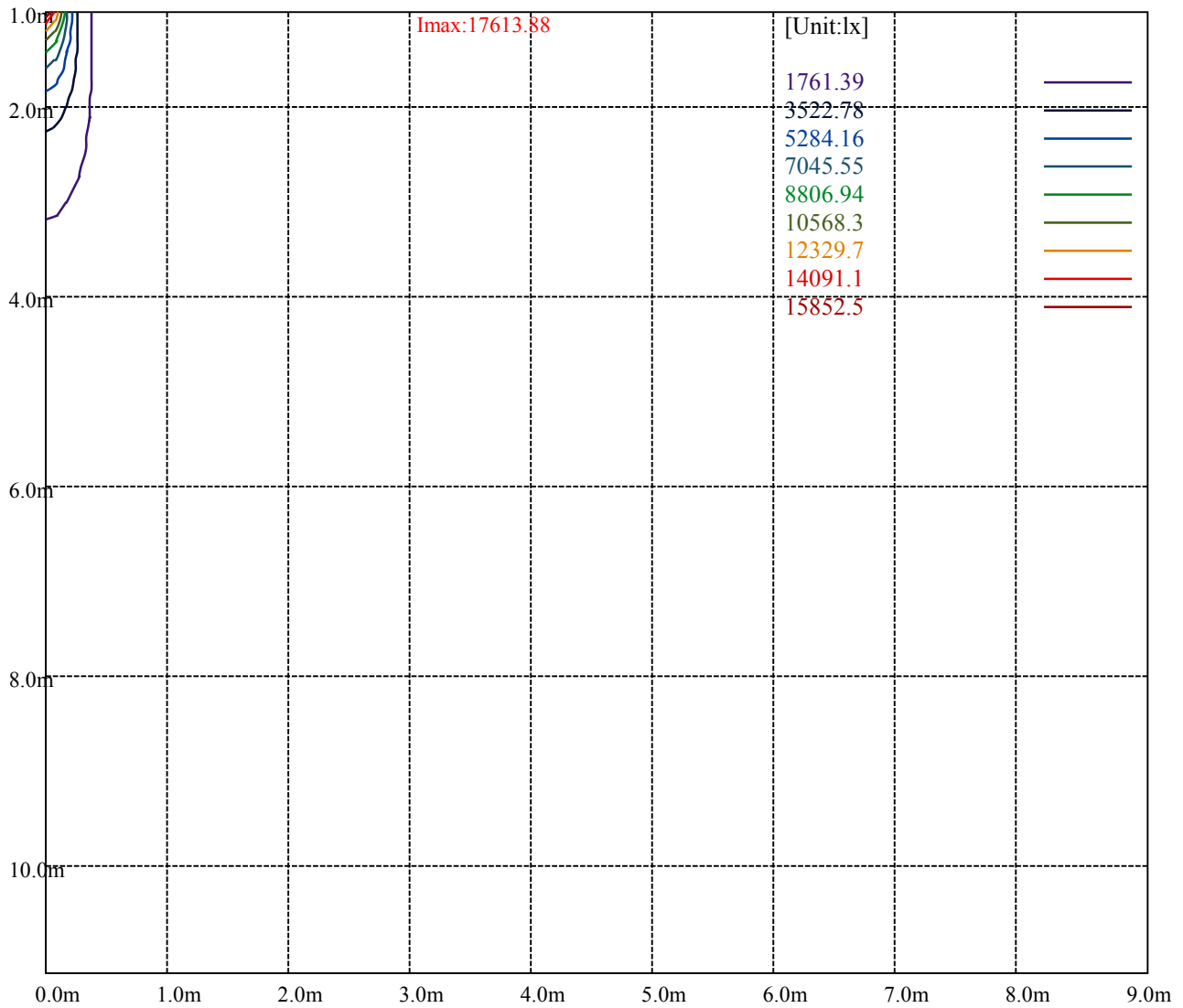
House

[Unit:cd]

Road

Imax:17613.88

(10%Imax) 1761.39	—
(20%Imax) 3522.78	—
(30%Imax) 5284.16	—
(40%Imax) 7045.55	—
(50%Imax) 8806.94	—
(60%Imax) 10568.3	—
(70%Imax) 12329.7	—
(80%Imax) 14091.1	—
(90%Imax) 15852.5	—



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

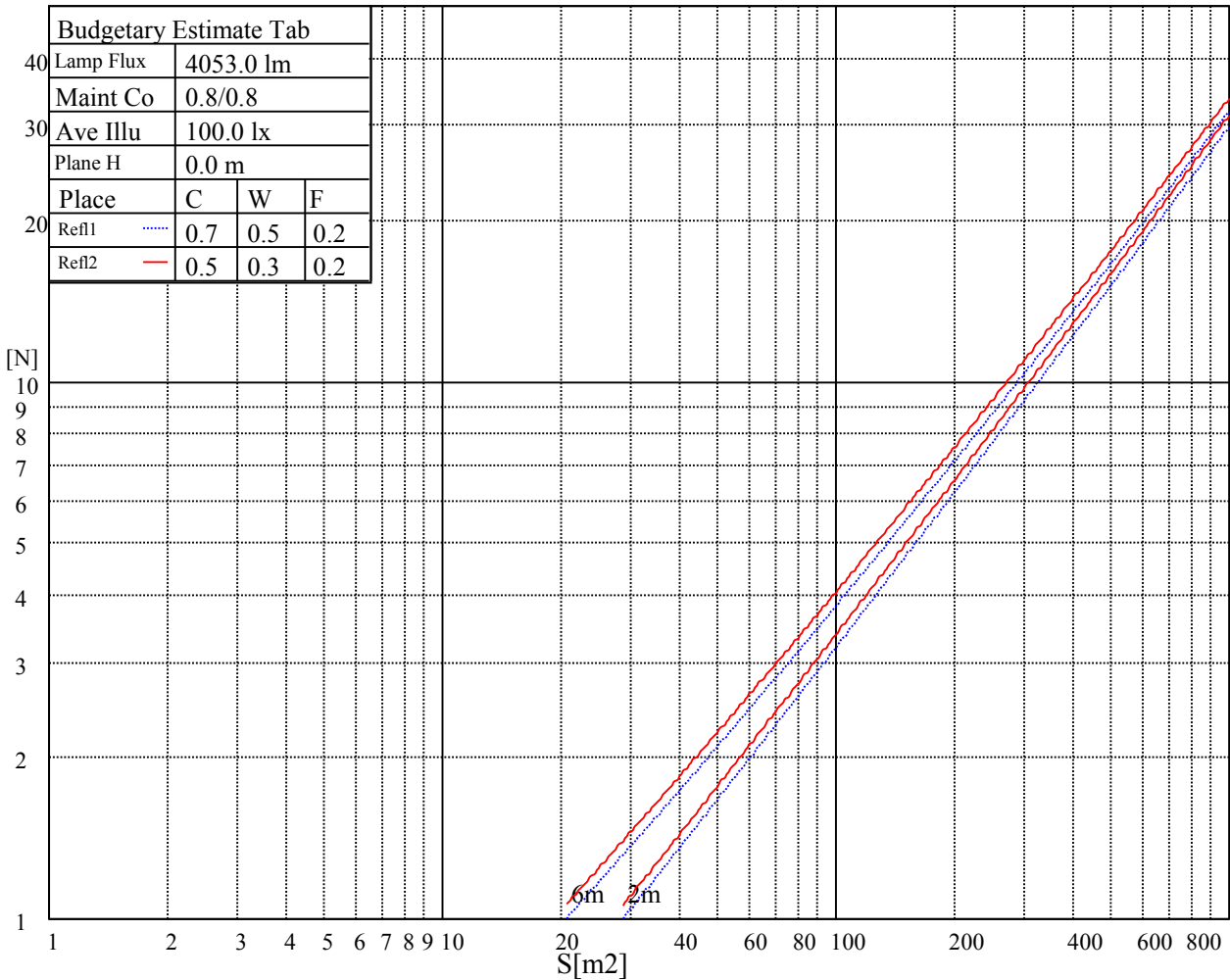
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

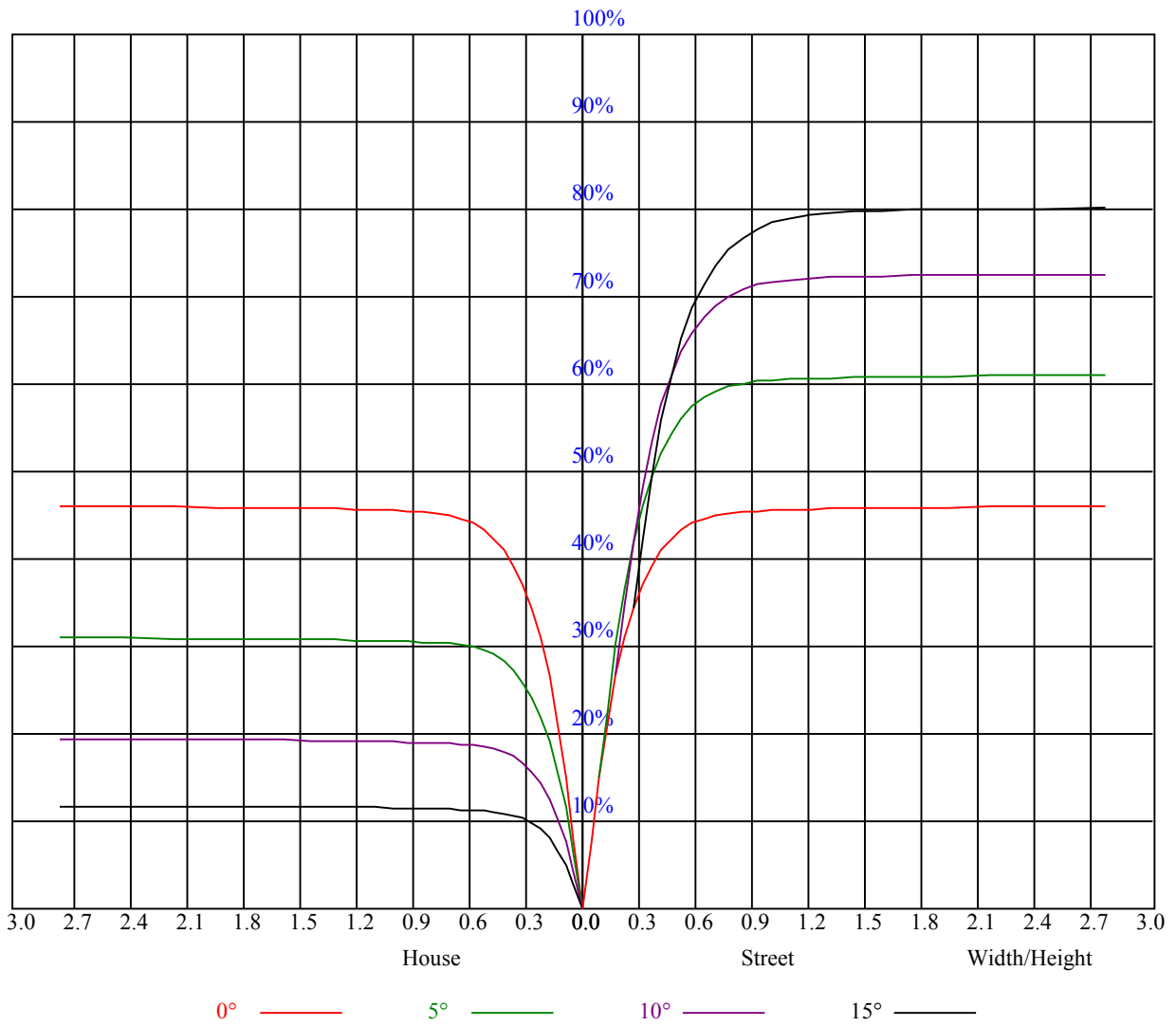


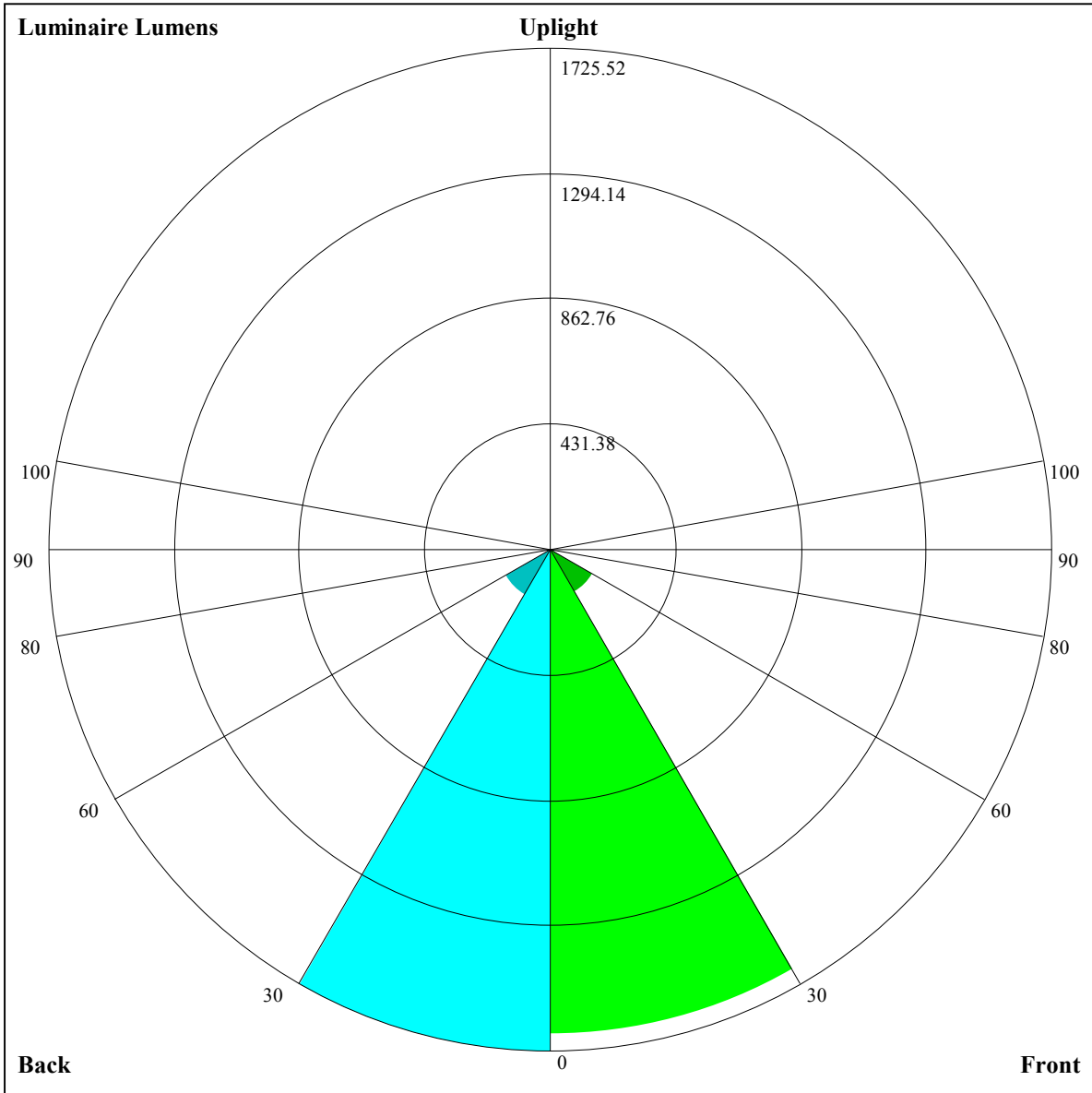
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.10	1.10	1.10	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.04	1.02	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.94	0.93	0.91	0.91	0.90	0.88
2	0.98	0.95	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.91	0.89	0.88	0.89	0.87	0.86	0.85
3	0.94	0.90	0.87	0.92	0.89	0.86	0.90	0.87	0.85	0.88	0.86	0.84	0.86	0.84	0.82	0.81
4	0.89	0.85	0.82	0.88	0.85	0.82	0.87	0.83	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	0.83	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	0.72	0.77	0.74	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	0.72	0.69	0.74	0.71	0.69	0.74	0.71	0.69	0.68
9	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
10	0.72	0.68	0.65	0.71	0.67	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.63





Luminaire Lumens:

FL=1670.42,FM=168.72,FH=14.04,FVH=1.68

BL=1725.52,BM=180.22,BH=14.63,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	17559.55	17175.11	16573.38	15776.63	14790.46	13620.42	11105.09	11105.09	10069.92
45.0	17815.85	17319.97	16617.95	15726.49	14667.88	13503.41	12244.22	10979.47	9714.71
90.0	17130.54	16227.94	15152.61	13938.00	10858.83	10344.56	10092.16	8869.76	7972.73
135.0	17949.57	17464.84	16757.24	15798.92	14718.03	13503.41	12238.65	10912.61	9631.13
180.0	17559.55	17682.13	17531.70	17136.11	16512.09	15603.91	14545.31	13358.55	12606.38
225.0	17815.85	18044.29	18005.28	17704.42	17258.69	16300.37	15486.91	14277.87	11042.70
270.0	17130.54	17838.14	18295.01	18506.73	18389.73	18155.72	17604.13	16434.09	15821.21
315.0	17949.57	18183.58	18111.15	17748.99	17308.83	16361.66	15570.48	14406.01	10926.80
360.0	17559.55	17175.11	16573.38	15776.63	14790.46	13620.42	11105.09	11105.09	10069.92
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8597.86	7686.90	6681.80	5831.02	5129.00	4555.12	4077.06	3694.83	3365.00
45.0	8527.95	7469.34	6527.74	5714.28	5040.11	4494.09	4042.79	3803.21	3324.05
90.0	6803.80	6109.02	5394.17	4691.05	4304.40	3889.84	3536.62	3227.39	2932.62
135.0	8455.52	7402.48	6460.88	5675.28	5028.97	4466.24	4020.51	3792.07	3324.05
180.0	11302.62	9508.56	8773.10	7625.35	6633.60	5781.14	5084.69	4499.67	4037.22
225.0	10763.54	10215.89	8886.48	7652.36	6590.97	5683.37	4937.30	4352.86	3901.56
270.0	14628.88	13258.26	11804.07	10388.87	9040.54	7770.21	6667.03	5742.14	4989.97
315.0	10926.80	10377.99	9049.74	7823.40	6772.63	5868.34	5140.14	4543.98	4060.87
360.0	8597.86	7686.90	6681.80	5831.02	5129.00	4555.12	4077.06	3694.83	3365.00
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3069.12	2794.49	2541.50	2313.07	2116.95	1928.10	1749.23	1572.04	1404.89
45.0	3017.61	2839.32	2839.32	2341.50	2129.20	1930.31	1750.91	1573.14	1403.79
90.0	2669.12	2425.60	2209.99	2015.56	1830.59	1657.87	1482.37	1091.62	1059.77
135.0	3140.19	2844.89	2744.60	2544.87	2156.53	1959.85	1772.62	1595.43	1423.87
180.0	3663.92	3340.77	3039.90	2811.46	2811.46	2344.29	2055.67	1862.34	1754.80
225.0	3668.65	3185.60	2889.20	2721.48	2459.03	2226.71	2013.30	1816.67	1634.43
270.0	4404.95	3942.50	3563.63	3234.91	2950.75	2839.32	2574.93	2272.96	2060.13
315.0	3669.23	3326.58	3021.24	2855.20	2485.26	2350.96	2131.46	1935.30	1747.02
360.0	3069.12	2794.49	2541.50	2313.07	2116.95	1928.10	1749.23	1572.04	1404.89
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1019.61	1019.61	988.39	841.47	713.22	597.69	493.30	398.21	316.90
45.0	1238.32	1077.27	922.94	782.55	660.55	551.33	469.96	380.82	292.83
90.0	997.37	904.86	715.95	643.47	530.62	432.33	346.91	275.85	218.08
135.0	1257.82	1095.14	935.19	792.01	694.51	558.58	479.48	388.65	313.96
180.0	1506.86	1399.32	1232.17	1066.13	909.59	774.19	654.40	542.97	443.79
225.0	1453.35	1061.50	1061.50	941.66	810.51	696.19	589.07	489.72	401.68
270.0	1866.23	1677.37	1503.50	1326.36	1162.52	1000.95	853.88	725.15	611.51
315.0	1567.05	1388.18	1033.80	1033.80	881.58	747.07	633.85	524.99	428.02
360.0	1019.61	1019.61	988.39	841.47	713.22	597.69	493.30	398.21	316.90
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	250.72	196.95	154.69	122.16	97.56	79.74	66.86	59.92	51.93
45.0	292.83	227.70	154.69	124.73	101.71	84.10	71.17	61.60	54.24
90.0	172.25	137.08	109.91	89.30	74.11	62.34	53.30	46.62	41.37
135.0	300.60	274.95	161.58	131.51	107.65	88.83	74.27	63.97	56.56
180.0	358.00	313.96	313.96	181.92	151.80	117.58	96.98	84.99	73.90
225.0	354.74	263.23	230.85	185.44	149.75	122.52	102.34	87.20	76.48
270.0	508.96	417.03	336.82	295.61	295.61	177.24	140.87	113.96	94.30
315.0	376.19	274.69	217.19	188.23	148.59	117.95	95.87	79.21	66.96
360.0	250.72	196.95	154.69	122.16	97.56	79.74	66.86	59.92	51.93

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	46.57	43.21	39.21	37.00	34.53	32.59	31.01	29.80	28.75
45.0	48.46	43.68	39.68	37.53	33.64	32.17	29.91	27.70	26.12
90.0	37.27	34.43	30.96	28.65	26.91	25.07	23.65	22.50	21.50
135.0	53.04	46.52	42.63	40.32	36.32	34.80	32.64	30.59	28.75
180.0	65.12	57.98	52.30	47.62	43.73	40.26	37.32	34.95	32.85
225.0	68.02	60.87	55.30	50.57	46.52	43.00	39.89	37.06	34.38
270.0	79.90	69.59	62.29	56.50	51.56	47.20	43.36	40.32	37.79
315.0	58.66	52.04	46.62	42.21	38.58	35.48	33.01	31.01	29.44
360.0	46.57	43.21	39.21	37.00	34.53	32.59	31.01	29.80	28.75
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.75	26.75	25.65	24.81	24.13	23.76	23.34	22.71	22.13
45.0	24.81	23.71	22.65	21.87	21.29	21.24	20.92	20.39	20.08
90.0	20.66	20.03	19.66	19.40	19.19	18.98	18.82	18.29	17.24
135.0	27.23	26.07	24.97	24.07	23.44	23.13	22.71	22.18	21.71
180.0	30.96	29.22	27.81	26.60	25.49	24.65	24.07	23.76	23.29
225.0	33.17	30.85	29.12	28.23	26.28	25.55	25.02	24.34	23.86
270.0	35.53	33.43	31.70	30.17	29.07	28.23	27.70	27.39	27.02
315.0	28.07	27.02	25.76	25.23	24.07	23.65	23.29	23.07	22.86
360.0	27.75	26.75	25.65	24.81	24.13	23.76	23.34	22.71	22.13
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.34	19.92	18.29	16.77	15.82	13.35	12.14	11.46	10.41
45.0	19.50	18.08	16.71	15.35	13.88	12.40	11.30	10.20	9.30
90.0	16.03	14.88	13.35	12.04	11.04	10.14	9.20	8.78	8.09
135.0	20.81	19.34	17.92	16.35	14.56	13.19	12.14	10.99	9.83
180.0	22.71	22.55	21.50	20.55	18.82	17.35	15.66	13.98	12.83
225.0	23.76	23.65	23.07	22.34	19.50	19.50	18.24	15.03	15.03
270.0	26.86	26.81	26.33	25.97	25.49	24.49	22.97	21.60	19.97
315.0	22.71	22.50	22.23	21.34	19.97	18.82	17.56	15.87	14.56
360.0	21.34	19.92	18.29	16.77	15.82	13.35	12.14	11.46	10.41
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	9.57	8.78	8.09	7.41	6.83	6.36	5.83	5.20	4.68
45.0	8.67	7.99	7.46	6.89	6.41	5.83	5.31	4.84	4.31
90.0	7.31	6.94	6.47	5.94	5.47	4.94	4.47	3.99	3.63
135.0	9.25	8.52	7.78	7.10	6.62	6.10	5.57	4.99	4.52
180.0	11.67	10.57	9.78	9.04	8.25	7.46	6.83	6.20	5.62
225.0	13.82	12.25	10.46	9.25	8.30	7.57	6.94	6.20	5.83
270.0	18.08	16.56	15.14	12.93	11.04	9.57	8.46	7.62	6.94
315.0	13.46	12.25	10.88	9.83	8.78	7.83	7.31	6.57	5.99
360.0	9.57	8.78	8.09	7.41	6.83	6.36	5.83	5.20	4.68
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.26	3.89	3.36	3.05	2.68	2.37	2.05	1.84	1.52
45.0	3.84	3.36	3.00	2.52	2.16	1.84	1.58	1.31	1.31
90.0	3.15	2.84	2.47	2.21	1.94	1.79	1.31	1.31	1.26
135.0	4.10	3.68	3.15	2.84	2.47	2.21	2.00	1.37	1.26
180.0	5.10	4.63	3.99	3.68	3.10	2.73	2.37	2.10	1.89
225.0	5.31	4.68	4.31	3.78	3.21	2.79	2.47	2.16	1.84
270.0	6.36	5.78	5.15	4.73	4.10	3.68	3.21	2.89	2.47
315.0	5.52	4.99	4.52	4.05	3.63	3.21	2.94	2.63	2.31
360.0	4.26	3.89	3.36	3.05	2.68	2.37	2.05	1.84	1.52

Intensity data(cd)

C/γ(°)	90.0
0.0	1.47
45.0	1.26
90.0	1.31
135.0	1.26
180.0	1.52
225.0	1.58
270.0	2.16
315.0	2.10
360.0	1.47