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Nata

Client:

LumCAT: 2-2748-L

Luminaire: 92.70.412.00

Report No: 2024809-B007

Ballast type: AC

Test No: 2024809-C007

Voltage(V): 36.590

LampCAT: P2141-036-1206-P3090-1

Current(A): 0.695

Lamp flux(lm): 3120.0

Power (W): 25.430

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2914.37, Efficiency(%): 93.41% , Luminous Efficacy(lm/W): 114.60

Central intensity(cd): 12726.170, Maximum intensity(cd): 12726.170

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=20.2

[C90/270]Total=20.2

Field angle(10%Imax): [C0/180]Total=52.0

[C90/270]Total=52.0

Maximum s/h(1/2): C0_180=0.34 C90_270=0.34

Maximum s/h(1/4): C0_180=0.38 C90_270=0.38

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.41%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.088%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/9
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	12726.170	0.000	0	0.00%	0.00%
1.0	12632.149	12.133	12.133	0.39%	0.42%
2.0	12252.128	35.716	47.85	1.14%	1.64%
3.0	11602.719	57.053	104.903	1.83%	3.60%
4.0	11330.057	76.763	181.666	2.46%	6.23%
5.0	10637.783	94.504	276.171	3.03%	9.48%
6.0	9880.738	107.830	384.001	3.46%	13.18%
7.0	8931.683	116.768	500.769	3.74%	17.18%
8.0	8058.896	121.598	622.368	3.90%	21.36%
9.0	7121.811	123.031	745.399	3.94%	25.58%
10.0	6411.626	122.473	867.872	3.93%	29.78%
11.0	5614.963	120.170	988.042	3.85%	33.90%
12.0	4928.543	115.256	1103.298	3.69%	37.86%
13.0	4426.255	111.018	1214.315	3.56%	41.67%
14.0	3958.521	107.324	1321.64	3.44%	45.35%
15.0	3564.119	103.274	1424.914	3.31%	48.89%
16.0	3225.018	99.480	1524.394	3.19%	52.31%
17.0	2913.631	95.595	1619.989	3.06%	55.59%
18.0	2693.690	92.453	1712.442	2.96%	58.76%
19.0	2583.861	91.819	1804.26	2.94%	61.91%
20.0	2314.156	89.647	1893.907	2.87%	64.99%
21.0	2073.354	84.249	1978.157	2.70%	67.88%
22.0	1907.611	79.999	2058.156	2.56%	70.62%
23.0	1752.644	76.802	2134.958	2.46%	73.26%
24.0	1606.658	73.446	2208.404	2.35%	75.78%
25.0	1475.449	70.080	2278.485	2.25%	78.18%
26.0	1266.362	64.721	2343.205	2.07%	80.40%
27.0	1175.166	59.733	2402.938	1.91%	82.45%
28.0	1091.684	57.392	2460.33	1.84%	84.42%
29.0	970.823	53.961	2514.291	1.73%	86.27%
30.0	847.873	49.104	2563.395	1.57%	87.96%
31.0	725.862	43.795	2607.19	1.40%	89.46%
32.0	610.073	38.273	2645.463	1.23%	90.77%
33.0	516.558	33.191	2678.654	1.06%	91.91%
34.0	417.793	28.276	2706.93	0.91%	92.88%
35.0	353.956	23.968	2730.898	0.77%	93.70%
36.0	297.714	20.749	2751.647	0.67%	94.42%
37.0	255.973	18.058	2769.705	0.58%	95.04%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	233.831	16.349	2786.054	0.52%	95.60%
39.0	169.875	13.780	2799.834	0.44%	96.07%
40.0	141.610	10.864	2810.697	0.35%	96.44%
41.0	116.840	9.203	2819.9	0.29%	96.76%
42.0	97.398	7.784	2827.684	0.25%	97.03%
43.0	80.821	6.602	2834.286	0.21%	97.25%
44.0	68.088	5.620	2839.906	0.18%	97.44%
45.0	57.589	4.830	2844.736	0.15%	97.61%
46.0	49.685	4.195	2848.931	0.13%	97.75%
47.0	43.982	3.725	2852.657	0.12%	97.88%
48.0	39.304	3.367	2856.023	0.11%	98.00%
49.0	36.130	3.098	2859.121	0.10%	98.10%
50.0	33.489	2.903	2862.024	0.09%	98.20%
51.0	31.196	2.737	2864.761	0.09%	98.30%
52.0	29.691	2.613	2867.373	0.08%	98.39%
53.0	28.752	2.542	2869.916	0.08%	98.47%
54.0	27.983	2.501	2872.416	0.08%	98.56%
55.0	27.753	2.488	2874.904	0.08%	98.65%
56.0	27.838	2.512	2877.416	0.08%	98.73%
57.0	27.884	2.548	2879.964	0.08%	98.82%
58.0	27.950	2.582	2882.546	0.08%	98.91%
59.0	27.996	2.616	2885.161	0.08%	99.00%
60.0	27.503	2.622	2887.783	0.08%	99.09%
61.0	26.360	2.570	2890.354	0.08%	99.18%
62.0	24.869	2.469	2892.822	0.08%	99.26%
63.0	22.904	2.323	2895.146	0.07%	99.34%
64.0	19.974	2.104	2897.25	0.07%	99.41%
65.0	17.083	1.834	2899.084	0.06%	99.48%
66.0	14.836	1.593	2900.676	0.05%	99.53%
67.0	12.654	1.382	2902.059	0.04%	99.58%
68.0	11.202	1.209	2903.267	0.04%	99.62%
69.0	9.980	1.081	2904.348	0.03%	99.66%
70.0	9.054	0.978	2905.325	0.03%	99.69%
71.0	8.344	0.899	2906.224	0.03%	99.72%
72.0	7.694	0.834	2907.058	0.03%	99.75%
73.0	7.149	0.776	2907.835	0.02%	99.78%
74.0	6.675	0.727	2908.561	0.02%	99.80%
75.0	6.222	0.681	2909.243	0.02%	99.82%

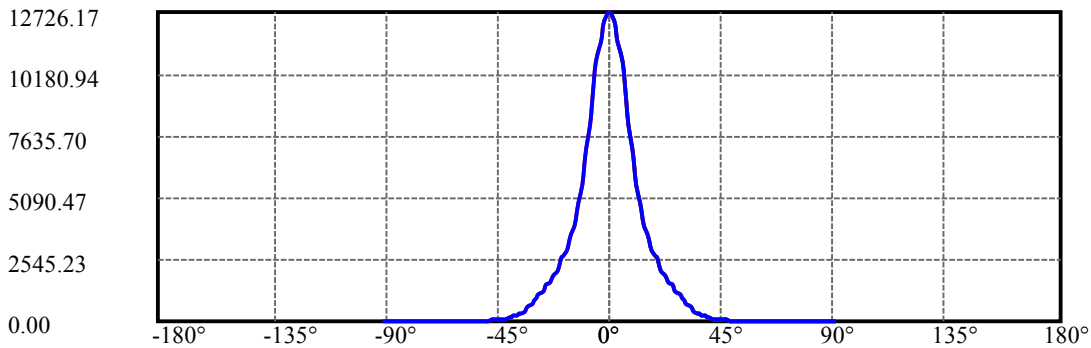
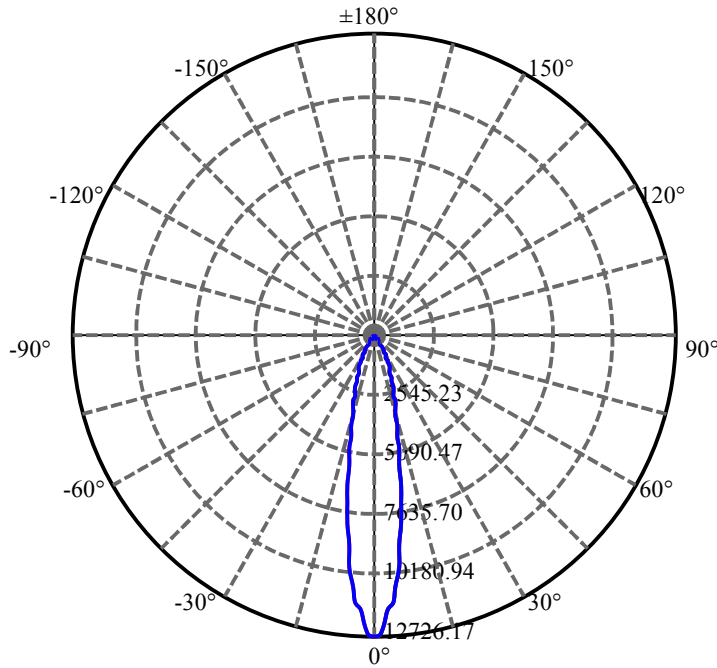
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.828	0.640	2909.882	0.02%	99.85%
77.0	5.453	0.601	2910.484	0.02%	99.87%
78.0	5.000	0.560	2911.043	0.02%	99.89%
79.0	4.520	0.512	2911.555	0.02%	99.90%
80.0	4.074	0.463	2912.018	0.01%	99.92%
81.0	3.620	0.416	2912.434	0.01%	99.93%
82.0	3.134	0.366	2912.801	0.01%	99.95%
83.0	2.720	0.318	2913.119	0.01%	99.96%
84.0	2.352	0.276	2913.395	0.01%	99.97%
85.0	2.004	0.238	2913.633	0.01%	99.97%
86.0	1.702	0.203	2913.836	0.01%	99.98%
87.0	1.439	0.172	2914.007	0.01%	99.99%
88.0	1.202	0.145	2914.152	0.00%	99.99%
89.0	0.979	0.120	2914.272	0.00%	100.00%
90.0	0.887	0.102	2914.374	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2563.40	82.16%	87.96%
0-40	2810.70	90.09%	96.44%
0-60	2887.78	92.56%	99.09%
0-90	2914.27	93.41%	100.00%
0-120	2914.27	93.41%	100.00%
0-180	2914.37	93.41%	100.00%
60-90	26.49	0.85%	0.91%
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%
0-25.82	2331.50	74.73%	80.00%

ZONAL LUMEN SUMMARY

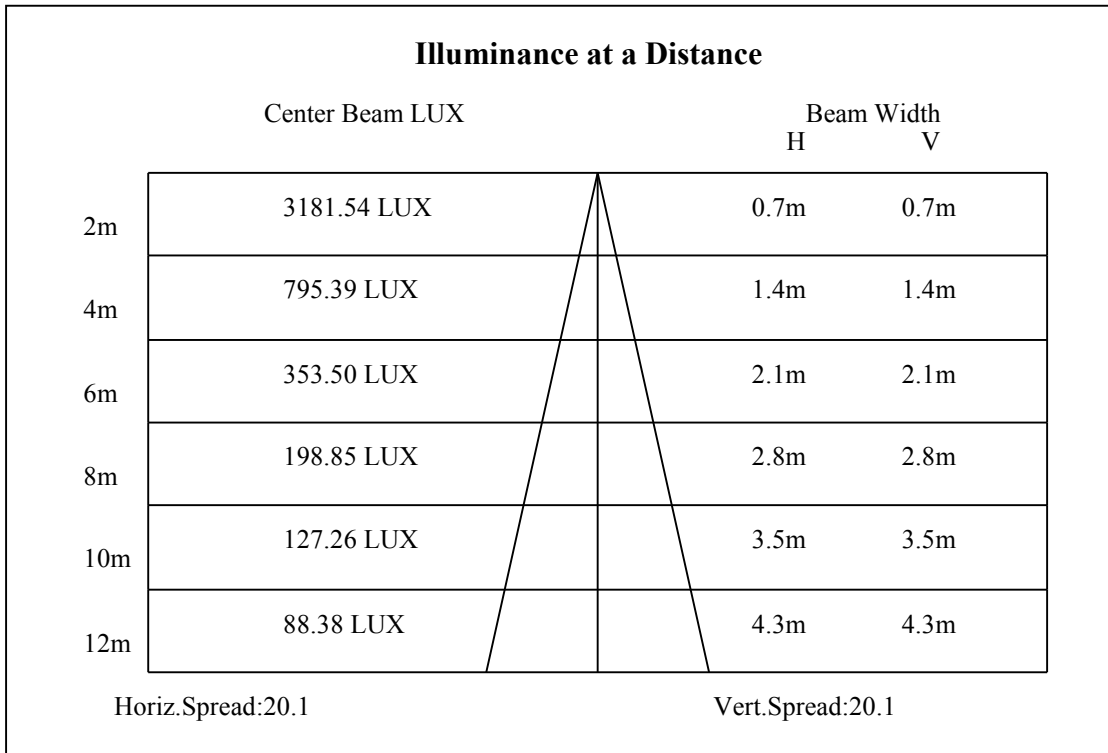
0-10	867.87
10-20	1026.04
20-30	669.49
30-40	247.30
40-50	51.33
50-60	25.76
60-70	17.54
70-80	6.69
80-90	2.25
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

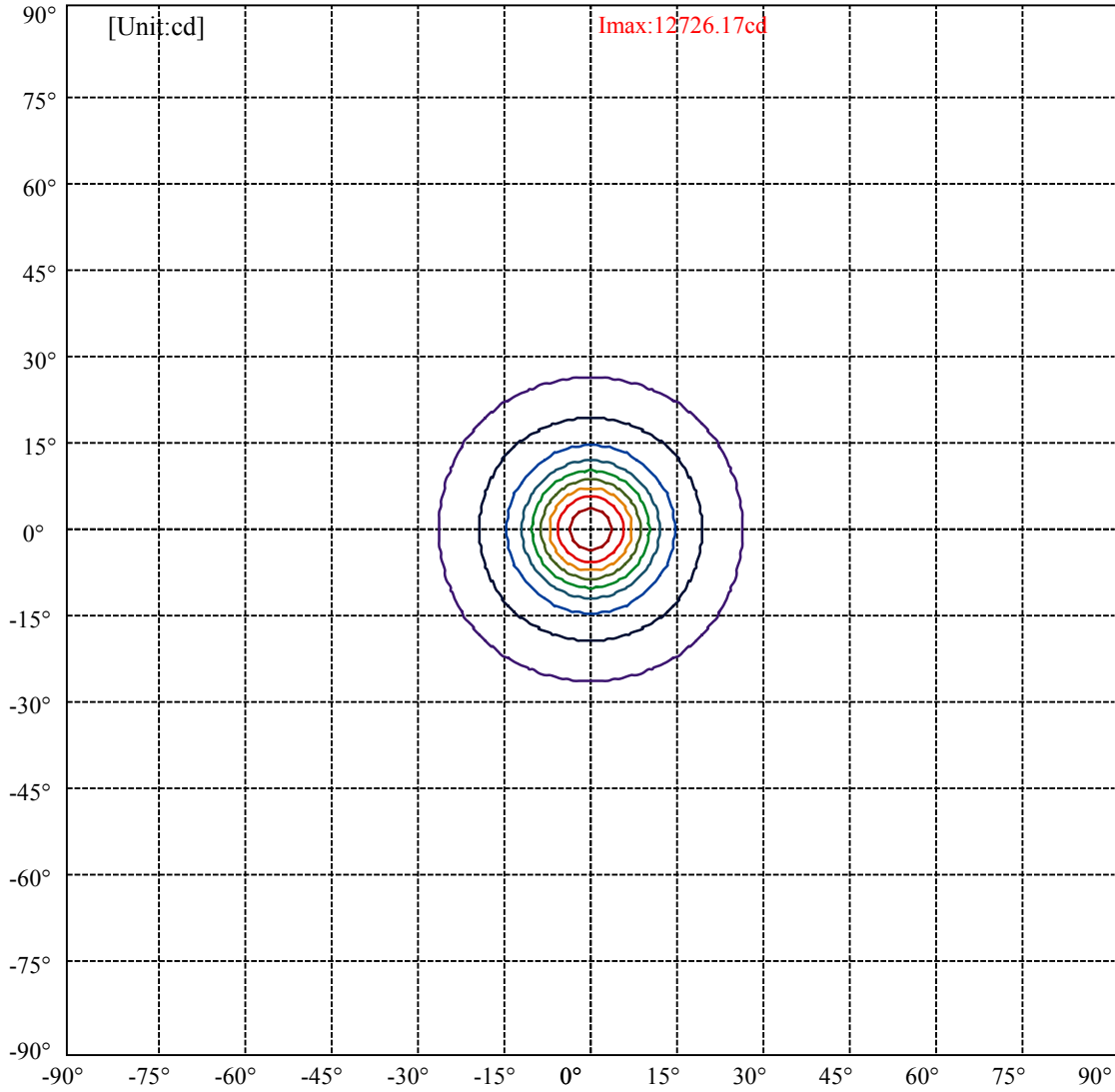


C0(Max): —————
C0/C180: —————
C90/C270: —————

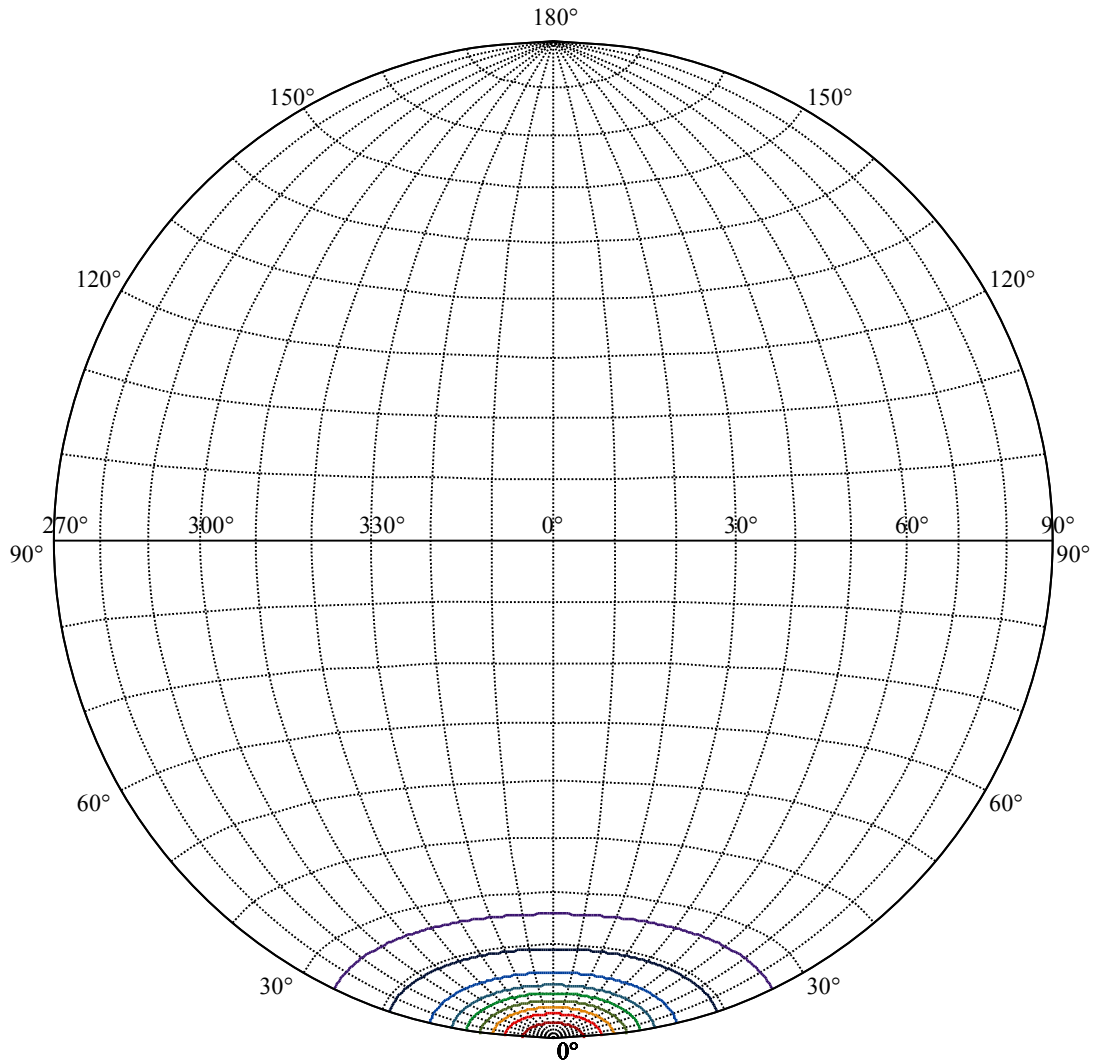
Field angle(10%Imax):C0/180Left:26.0 Right:26.0
:C90/270Left:26.0 Right:26.0

Beam Angle(50%Imax):C0/180Left:10.1 Right:10.1
:C90/270Left:10.1 Right:10.1





(10%Imax) 1272.62	—
(20%Imax) 2545.23	—
(30%Imax) 3817.85	—
(40%Imax) 5090.47	—
(50%Imax) 6363.08	—
(60%Imax) 7635.7	—
(70%Imax) 8908.32	—
(80%Imax) 10180.9	—
(90%Imax) 11453.6	—



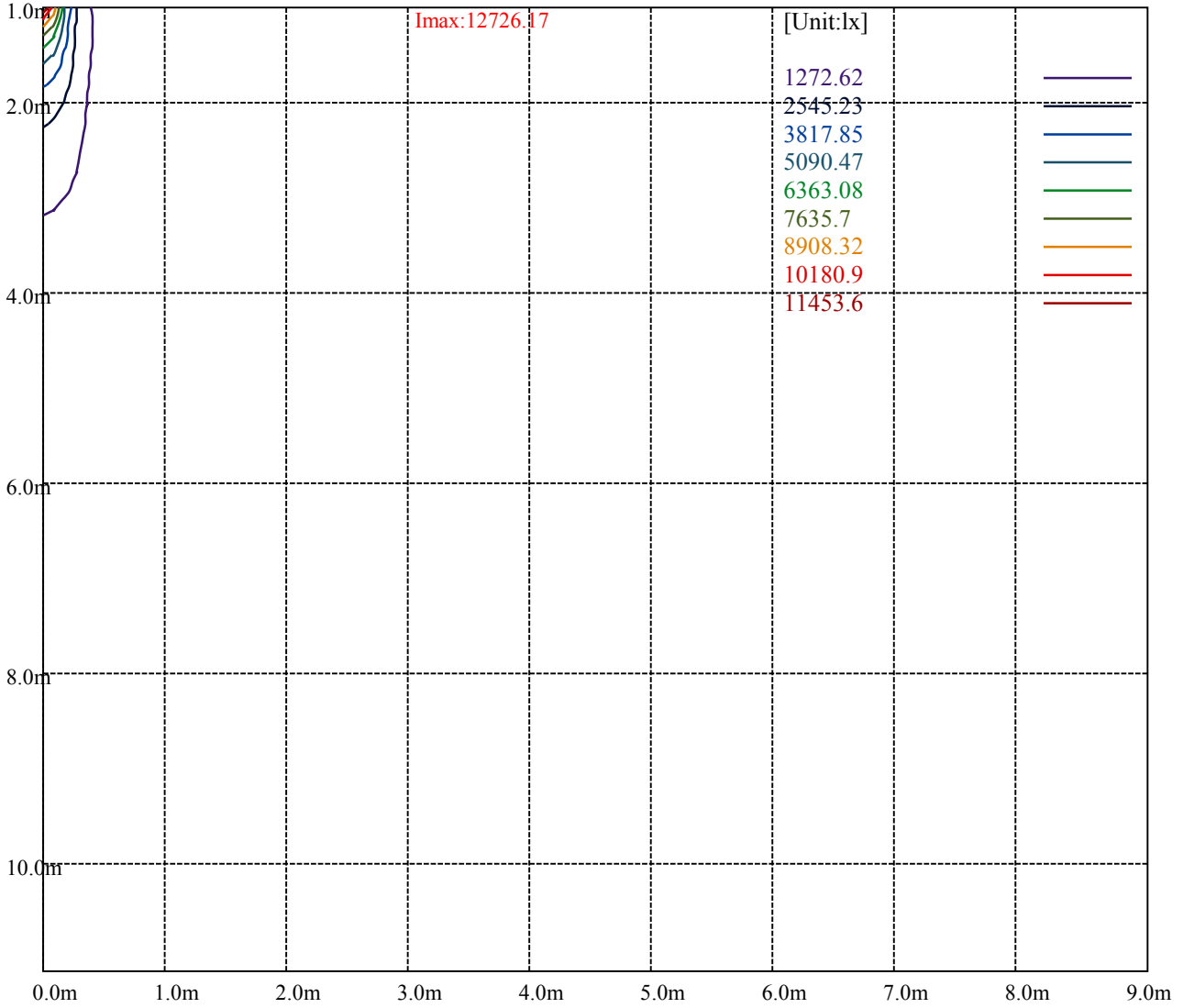
House

[Unit:cd]

Road

Imax:12726.17

(10%Imax) 1272.62	—
(20%Imax) 2545.23	—
(30%Imax) 3817.85	—
(40%Imax) 5090.47	—
(50%Imax) 6363.08	—
(60%Imax) 7635.7	—
(70%Imax) 8908.32	—
(80%Imax) 10180.9	—
(90%Imax) 11453.6	—



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

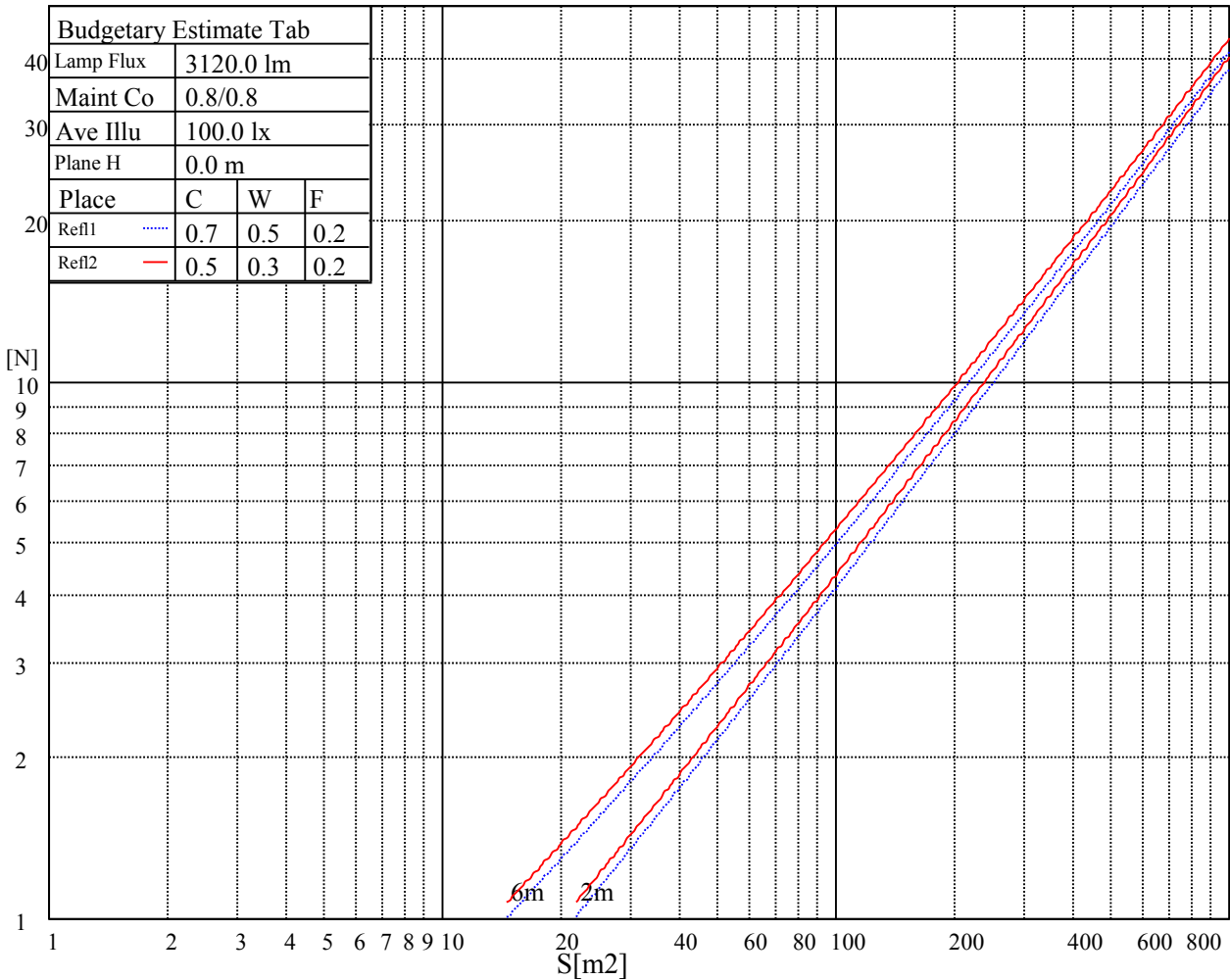
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

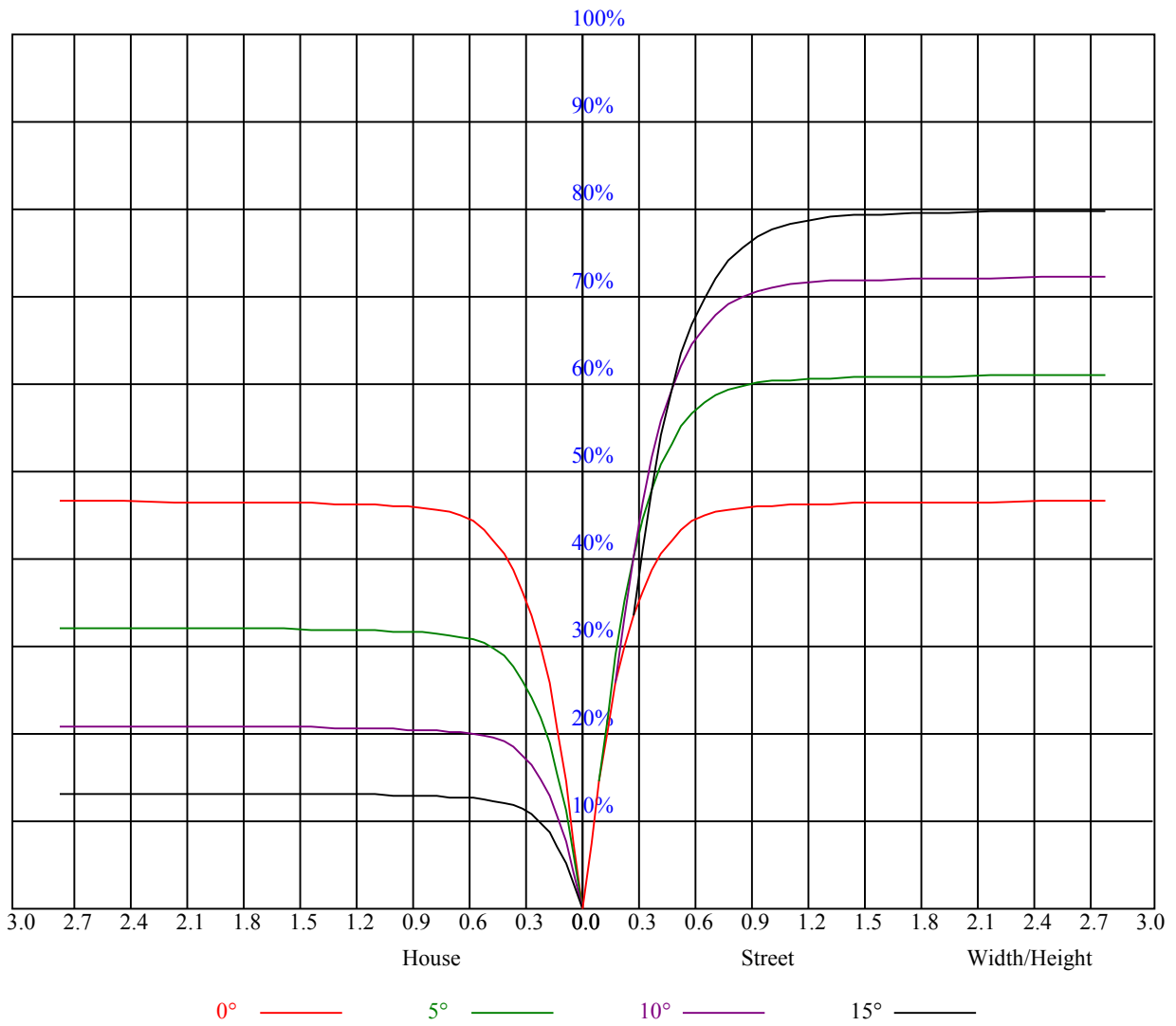


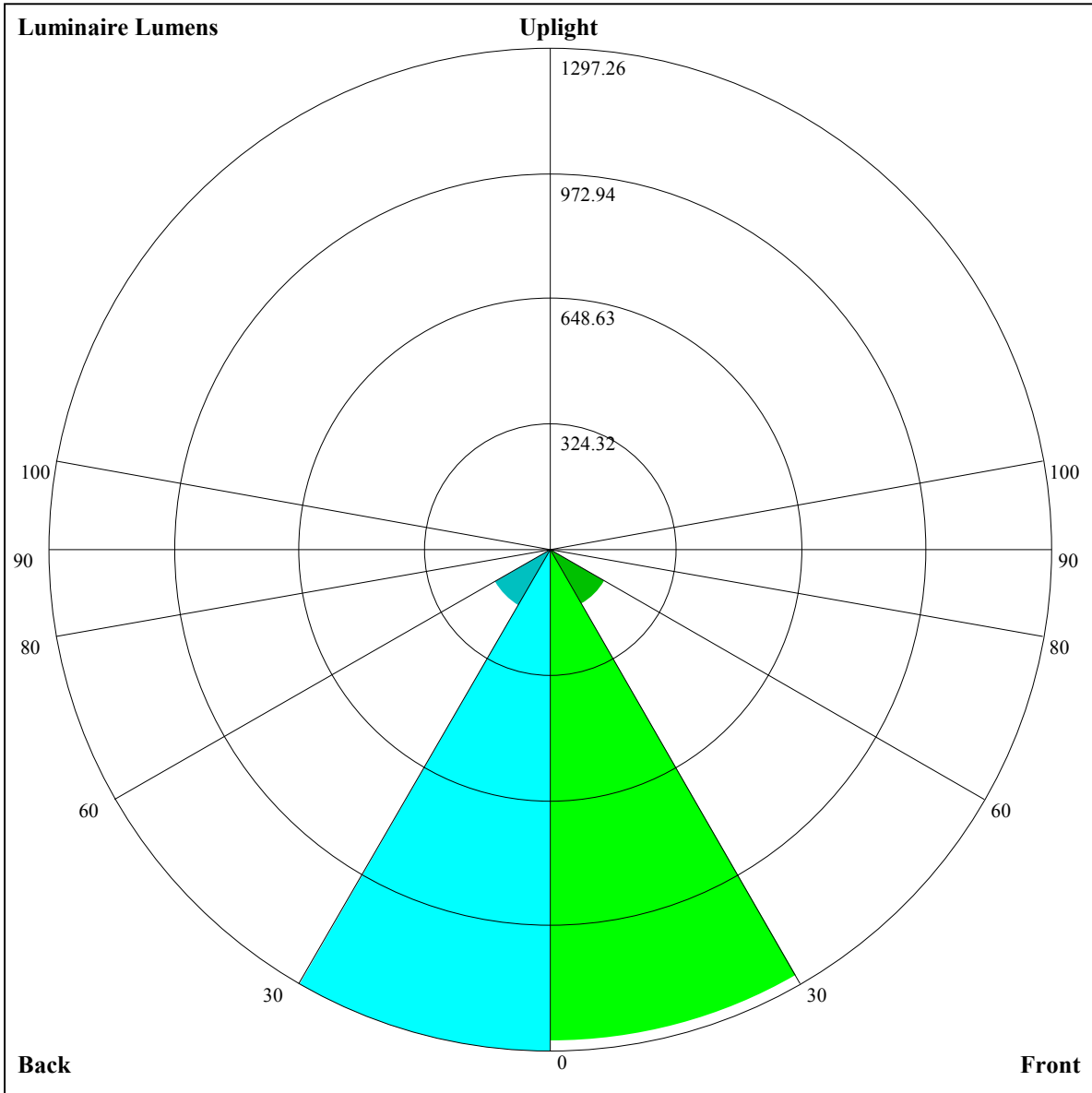
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.05	1.03	1.01	1.03	1.01	0.99	0.99	0.98	0.96	0.96	0.94	0.94	0.92	0.92	0.91	0.89
2	0.99	0.96	0.93	0.97	0.95	0.92	0.95	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.87	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	0.82	0.89	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	0.81	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	0.81	0.77	0.74	0.80	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.72
7	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.69
8	0.76	0.72	0.69	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.68	0.67
9	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.71	0.68	0.65	0.64
10	0.71	0.67	0.64	0.70	0.66	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.62





Luminaire Lumens:

FL=1272.28,FM=161.56,FH=11.9,FVH=1.17

BL=1297.26,BM=168.09,BH=12.26,BVH=1.21

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	12723.38	12467.09	12121.65	11061.62	11061.62	10247.64	9334.99	8402.33	7481.33
45.0	12784.67	12712.24	12450.37	12032.50	11464.20	10739.89	10249.58	8973.68	8422.09
90.0	12634.24	12311.08	10942.41	10942.41	10789.19	9968.48	9057.52	8129.84	7240.64
135.0	12762.39	12678.81	12394.66	11932.21	11363.91	10622.88	9775.99	8867.82	7937.36
180.0	12723.38	12806.96	12667.67	12366.80	11898.78	11274.76	10517.02	9642.28	8734.10
225.0	12784.67	12656.52	12355.66	10976.42	10976.42	10355.71	9465.93	8527.11	7605.58
270.0	12634.24	12756.81	12701.10	12439.23	12015.79	11447.48	10723.17	9898.57	8979.25
315.0	12762.39	12667.67	12383.51	11070.56	11070.56	10445.43	9921.70	9011.84	8070.81
360.0	12723.38	12467.09	12121.65	11061.62	11061.62	10247.64	9334.99	8402.33	7481.33
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6601.53	5815.94	5116.70	4534.46	4060.35	3651.94	3295.35	2978.35	2719.27
45.0	7151.76	6644.74	5864.71	5179.40	4583.24	4092.94	3680.64	3318.48	3000.90
90.0	6413.26	5665.50	4995.80	4439.22	3985.66	3590.65	3240.22	2934.88	2668.55
135.0	7040.33	6544.45	5491.41	4845.11	4505.24	4026.08	3630.49	3279.48	2967.47
180.0	7809.21	6912.18	6098.72	5374.41	4744.82	4226.66	3797.64	3491.20	3090.04
225.0	6734.73	6252.20	5510.65	4633.12	4312.75	3868.13	3489.26	3151.59	2859.08
270.0	8048.79	7135.04	6282.59	5530.42	4872.96	4321.37	3875.64	3485.63	3145.76
315.0	7174.89	6322.95	5559.12	4892.20	4345.03	3890.41	3503.71	3160.53	2857.98
360.0	6601.53	5815.94	5116.70	4534.46	4060.35	3651.94	3295.35	2978.35	2719.27
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2532.04	2291.88	2099.14	1966.52	1777.66	1664.55	1527.47	1389.28	1089.78
45.0	2833.75	2833.75	2353.75	2119.74	1947.60	1822.24	1640.58	1534.72	1396.01
90.0	2445.10	2290.78	2064.02	1929.73	1774.30	1630.54	1495.14	1365.36	1070.28
135.0	2805.89	2805.89	2283.00	2099.14	1924.73	1766.52	1650.62	1483.47	1348.07
180.0	2805.89	2805.89	2574.93	2208.89	2023.34	1859.56	1704.08	1560.90	1423.29
225.0	2605.05	2387.76	2194.38	2006.63	1842.84	1691.30	1543.08	1403.21	1101.76
270.0	2911.75	2861.61	2750.18	2245.68	2059.03	1890.73	1736.98	1589.86	1451.15
315.0	2610.04	2393.33	2193.85	2010.52	1911.38	1695.72	1555.32	1476.80	1250.57
360.0	2532.04	2291.88	2099.14	1966.52	1777.66	1664.55	1527.47	1389.28	1089.78
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1065.55	1012.56	885.99	760.37	638.48	527.73	435.01	359.84	321.58
45.0	1268.96	1141.34	1012.09	890.09	763.05	641.58	531.83	437.69	363.57
90.0	1070.28	993.64	871.80	745.28	623.18	514.48	422.13	350.64	290.20
135.0	1244.42	1092.88	993.69	873.38	752.48	636.01	528.46	434.90	362.47
180.0	1288.99	1156.95	1033.85	913.48	790.91	674.48	606.47	466.07	386.39
225.0	1053.56	1053.56	932.72	810.93	691.99	578.71	479.84	398.74	335.19
270.0	1323.00	1195.95	1072.85	950.80	828.81	708.44	636.01	487.83	433.75
315.0	1086.57	1086.57	963.58	838.63	718.00	599.16	492.72	406.62	338.50
360.0	1065.55	1012.56	885.99	760.37	638.48	527.73	435.01	359.84	321.58
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	247.94	205.62	182.97	150.28	123.52	101.87	84.26	70.12	58.76
45.0	301.71	291.67	291.67	172.14	154.06	127.10	105.39	87.67	73.06
90.0	260.97	201.47	180.08	148.80	122.84	101.60	84.52	70.49	59.29
135.0	302.29	291.14	238.21	172.56	142.92	118.00	97.61	80.89	72.54
180.0	347.96	291.14	291.14	194.43	161.05	133.25	110.01	90.99	75.53
225.0	280.11	234.32	195.27	162.42	134.03	111.01	92.04	76.74	64.23
270.0	361.31	301.18	301.18	201.58	166.26	136.82	112.01	92.25	76.37
315.0	279.42	231.22	190.12	156.79	128.20	105.07	93.35	77.42	64.91
360.0	247.94	205.62	182.97	150.28	123.52	101.87	84.26	70.12	58.76

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	50.51	44.15	39.47	35.90	32.96	30.33	28.80	27.81	26.91
45.0	61.60	53.09	46.57	41.63	37.95	34.64	31.91	30.28	29.17
90.0	50.93	44.68	40.11	36.69	33.64	31.27	29.91	28.80	27.86
135.0	60.71	52.14	45.68	40.79	37.27	34.48	32.06	30.49	29.38
180.0	63.50	54.19	47.10	41.79	38.11	35.11	33.53	30.54	29.80
225.0	54.82	47.73	44.31	38.42	36.64	33.80	30.75	30.07	29.01
270.0	63.81	54.14	46.94	41.52	37.69	35.85	32.33	30.38	29.65
315.0	54.82	47.36	41.68	37.69	34.80	32.43	30.28	29.17	28.23
360.0	50.51	44.15	39.47	35.90	32.96	30.33	28.80	27.81	26.91
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	26.65	26.96	27.12	27.23	27.54	27.49	26.65	25.12	23.76
45.0	28.07	27.70	27.75	27.75	27.60	27.91	27.60	26.75	25.49
90.0	27.75	27.91	27.75	27.60	27.60	27.12	25.70	24.23	22.13
135.0	28.44	28.23	28.38	28.49	28.54	28.86	28.38	27.17	25.55
180.0	28.80	27.75	27.86	28.02	28.07	28.07	28.33	27.60	26.39
225.0	28.07	28.07	28.23	28.07	28.07	28.23	27.54	26.12	24.65
270.0	28.75	27.86	27.81	28.07	28.17	28.12	28.23	27.81	26.44
315.0	27.33	27.54	27.81	27.86	28.02	28.17	27.60	26.07	24.55
360.0	26.65	26.96	27.12	27.23	27.54	27.49	26.65	25.12	23.76
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.87	17.98	15.51	13.14	11.51	10.25	9.25	8.41	7.73
45.0	23.65	20.60	17.77	15.35	12.98	11.41	10.25	9.30	8.52
90.0	19.08	16.56	14.24	12.19	10.78	9.67	8.83	8.04	7.46
135.0	23.97	20.18	17.40	15.35	12.67	11.51	10.30	9.30	8.52
180.0	25.02	22.44	19.13	16.71	14.09	12.04	10.67	9.57	8.73
225.0	22.34	19.08	16.56	14.03	12.04	11.20	9.57	8.99	8.30
270.0	25.02	22.92	19.76	17.03	14.61	12.46	11.04	9.83	9.25
315.0	23.29	20.03	16.29	14.88	12.56	11.09	9.93	8.99	8.25
360.0	20.87	17.98	15.51	13.14	11.51	10.25	9.25	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	6.68	6.15	5.78	5.41	4.99	4.68	4.05	3.63
45.0	7.78	7.25	6.73	6.20	5.83	5.47	4.99	4.52	4.26
90.0	6.94	6.57	6.04	5.68	5.26	4.89	4.36	3.89	3.42
135.0	7.88	7.41	6.89	6.47	5.99	5.68	5.10	4.68	4.15
180.0	8.30	7.46	7.10	6.62	6.15	5.78	5.41	4.94	4.52
225.0	7.67	7.15	6.62	6.15	5.83	5.47	4.94	4.47	3.99
270.0	8.20	7.62	7.31	6.78	6.36	5.94	5.57	5.10	4.63
315.0	7.62	7.04	6.57	6.10	5.78	5.41	4.94	4.52	3.99
360.0	7.15	6.68	6.15	5.78	5.41	4.99	4.68	4.05	3.63
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.21	2.79	2.47	2.21	1.84	1.52	1.37	1.10	0.84
45.0	3.63	3.15	2.79	2.42	1.94	1.73	1.42	1.21	0.95
90.0	3.05	2.73	2.26	2.05	1.73	1.37	1.21	1.00	0.89
135.0	3.68	3.21	2.79	2.31	2.05	1.73	1.42	1.16	0.95
180.0	3.99	3.36	2.94	2.52	2.16	1.84	1.52	1.31	1.00
225.0	3.63	3.10	2.68	2.26	1.94	1.68	1.37	1.10	0.89
270.0	4.15	3.57	3.15	2.73	2.37	2.00	1.73	1.47	1.26
315.0	3.63	3.15	2.68	2.31	2.00	1.73	1.47	1.26	1.05
360.0	3.21	2.79	2.47	2.21	1.84	1.52	1.37	1.10	0.84

Intensity data(cd)

C/γ(°)	90.0
0.0	0.79
45.0	0.89
90.0	0.95
135.0	0.95
180.0	0.79
225.0	0.79
270.0	1.00
315.0	0.95
360.0	0.79