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Nata

Client:

LumCAT: 2-2760-L

Luminaire: 92.70.411.00

Report No: 2024828-B014

Ballast type:

Test No: 2024828-C014

LampCAT: Fortimo_SLM_C_1205

Lamp flux(lm): 2291.0

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V):

Current(A):

Power (W): 14.260

PF:

Width(mm): 0

Height(mm): 0

Photometric Results

Lumens(lm): 2136.07, Efficiency(%): 93.24% , Luminous Efficacy(lm/W): 149.79

Central intensity(cd): 3326.707, Maximum intensity(cd): 3326.707

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=48.8

[C90/270]Total=48.8

Field angle(10%Imax): [C0/180]Total=72.2

[C90/270]Total=72.2

Maximum s/h(1/2): C0_180=0.77 C90_270=0.77

Maximum s/h(1/4): C0_180=0.76 C90_270=0.76

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.24%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.494%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3326.707	0.000	0	0.00%	0.00%
1.0	3326.135	3.183	3.183	0.14%	0.15%
2.0	3323.849	9.545	12.728	0.42%	0.60%
3.0	3314.295	15.876	28.604	0.69%	1.34%
4.0	3297.515	22.132	50.736	0.97%	2.38%
5.0	3280.800	28.300	79.036	1.24%	3.70%
6.0	3257.121	34.359	113.394	1.50%	5.31%
7.0	3225.150	40.235	153.629	1.76%	7.19%
8.0	3187.469	45.894	199.523	2.00%	9.34%
9.0	3143.034	51.305	250.829	2.24%	11.74%
10.0	3095.885	56.460	307.289	2.46%	14.39%
11.0	3044.841	61.358	368.647	2.68%	17.26%
12.0	2983.480	65.898	434.545	2.88%	20.34%
13.0	2916.693	70.020	504.565	3.06%	23.62%
14.0	2846.555	73.769	578.334	3.22%	27.07%
15.0	2760.688	76.979	655.313	3.36%	30.68%
16.0	2661.785	79.454	734.768	3.47%	34.40%
17.0	2549.452	81.153	815.921	3.54%	38.20%
18.0	2428.618	82.078	897.998	3.58%	42.04%
19.0	2309.103	82.427	980.425	3.60%	45.90%
20.0	2180.332	82.169	1062.594	3.59%	49.75%
21.0	2053.932	81.306	1143.9	3.55%	53.55%
22.0	1947.927	80.419	1224.319	3.51%	57.32%
23.0	1812.040	78.894	1303.214	3.44%	61.01%
24.0	1704.937	76.894	1380.107	3.36%	64.61%
25.0	1600.390	75.156	1455.263	3.28%	68.13%
26.0	1489.161	72.929	1528.193	3.18%	71.54%
27.0	1369.634	69.941	1598.134	3.05%	74.82%
28.0	1244.253	66.178	1664.312	2.89%	77.91%
29.0	1152.144	62.697	1727.008	2.74%	80.85%
30.0	1055.448	59.605	1786.613	2.60%	83.64%
31.0	925.980	55.140	1841.753	2.41%	86.22%
32.0	806.723	49.640	1891.393	2.17%	88.55%
33.0	679.922	43.797	1935.19	1.91%	90.60%
34.0	557.491	37.448	1972.638	1.63%	92.35%
35.0	442.379	31.052	2003.69	1.36%	93.80%
36.0	344.186	25.044	2028.734	1.09%	94.97%
37.0	260.802	19.731	2048.466	0.86%	95.90%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	202.517	15.465	2063.931	0.68%	96.62%
39.0	153.686	12.158	2076.089	0.53%	97.19%
40.0	88.929	8.462	2084.55	0.37%	97.59%
41.0	70.361	5.672	2090.223	0.25%	97.85%
42.0	56.879	4.623	2094.846	0.20%	98.07%
43.0	47.181	3.855	2098.7	0.17%	98.25%
44.0	40.164	3.297	2101.997	0.14%	98.40%
45.0	34.133	2.855	2104.852	0.12%	98.54%
46.0	29.619	2.493	2107.345	0.11%	98.66%
47.0	25.670	2.199	2109.544	0.10%	98.76%
48.0	22.392	1.943	2111.487	0.08%	98.85%
49.0	19.744	1.730	2113.218	0.08%	98.93%
50.0	17.720	1.562	2114.78	0.07%	99.00%
51.0	15.894	1.422	2116.202	0.06%	99.07%
52.0	14.435	1.301	2117.503	0.06%	99.13%
53.0	13.259	1.205	2118.708	0.05%	99.19%
54.0	12.201	1.122	2119.83	0.05%	99.24%
55.0	11.281	1.048	2120.878	0.05%	99.29%
56.0	10.473	0.983	2121.861	0.04%	99.33%
57.0	9.790	0.926	2122.788	0.04%	99.38%
58.0	9.120	0.874	2123.662	0.04%	99.42%
59.0	8.568	0.827	2124.489	0.04%	99.46%
60.0	8.049	0.785	2125.274	0.03%	99.49%
61.0	7.569	0.745	2126.019	0.03%	99.53%
62.0	7.076	0.706	2126.725	0.03%	99.56%
63.0	6.735	0.672	2127.397	0.03%	99.59%
64.0	6.353	0.642	2128.039	0.03%	99.62%
65.0	5.979	0.610	2128.649	0.03%	99.65%
66.0	5.664	0.581	2129.23	0.03%	99.68%
67.0	5.335	0.553	2129.783	0.02%	99.71%
68.0	5.053	0.526	2130.31	0.02%	99.73%
69.0	4.783	0.502	2130.811	0.02%	99.75%
70.0	4.514	0.477	2131.289	0.02%	99.78%
71.0	4.271	0.454	2131.743	0.02%	99.80%
72.0	4.028	0.432	2132.174	0.02%	99.82%
73.0	3.784	0.409	2132.583	0.02%	99.84%
74.0	3.555	0.386	2132.969	0.02%	99.85%
75.0	3.305	0.362	2133.331	0.02%	99.87%

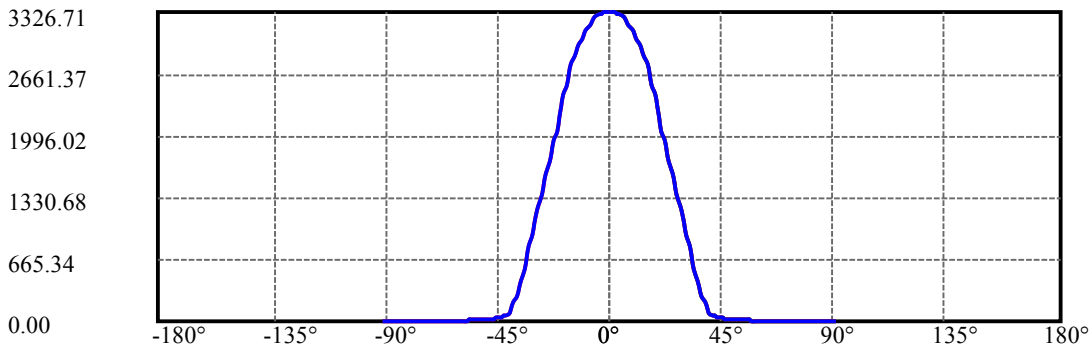
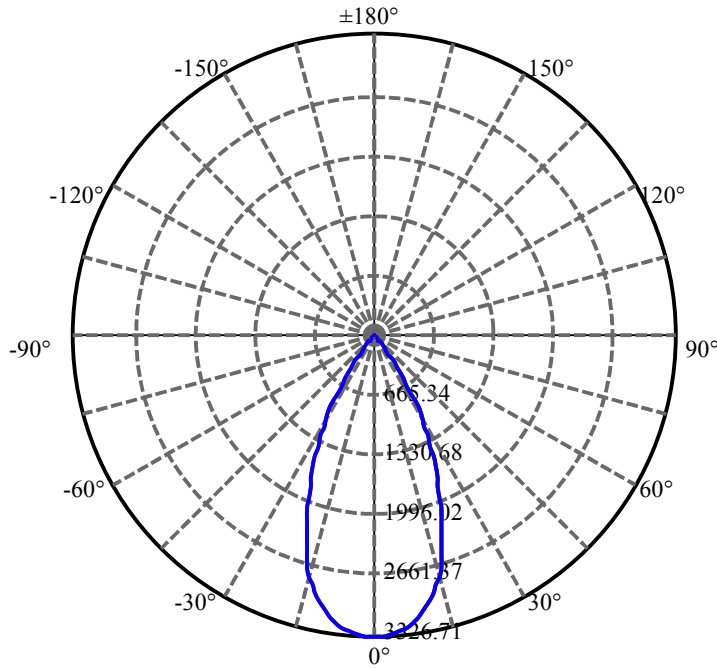
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	3.068	0.338	2133.67	0.01%	99.89%
77.0	2.845	0.315	2133.985	0.01%	99.90%
78.0	2.589	0.291	2134.276	0.01%	99.92%
79.0	2.326	0.264	2134.54	0.01%	99.93%
80.0	2.102	0.239	2134.778	0.01%	99.94%
81.0	1.892	0.216	2134.994	0.01%	99.95%
82.0	1.675	0.193	2135.188	0.01%	99.96%
83.0	1.465	0.171	2135.359	0.01%	99.97%
84.0	1.281	0.150	2135.508	0.01%	99.97%
85.0	1.117	0.131	2135.639	0.01%	99.98%
86.0	0.992	0.115	2135.754	0.01%	99.99%
87.0	0.848	0.101	2135.855	0.00%	99.99%
88.0	0.703	0.085	2135.94	0.00%	99.99%
89.0	0.585	0.071	2136.011	0.00%	100.00%
90.0	0.558	0.063	2136.073	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1786.61	77.98%	83.64%
0-40	2084.55	90.99%	97.59%
0-60	2125.27	92.77%	99.49%
0-90	2136.01	93.23%	100.00%
0-120	2136.01	93.23%	100.00%
0-180	2136.07	93.24%	100.00%
60-90	10.74	0.47%	0.50%
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%
0-28.71	1708.86	74.59%	80.00%

ZONAL LUMEN SUMMARY

0-10	307.29
10-20	755.31
20-30	724.02
30-40	297.94
40-50	30.23
50-60	10.49
60-70	6.01
70-80	3.49
80-90	1.23
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: —————

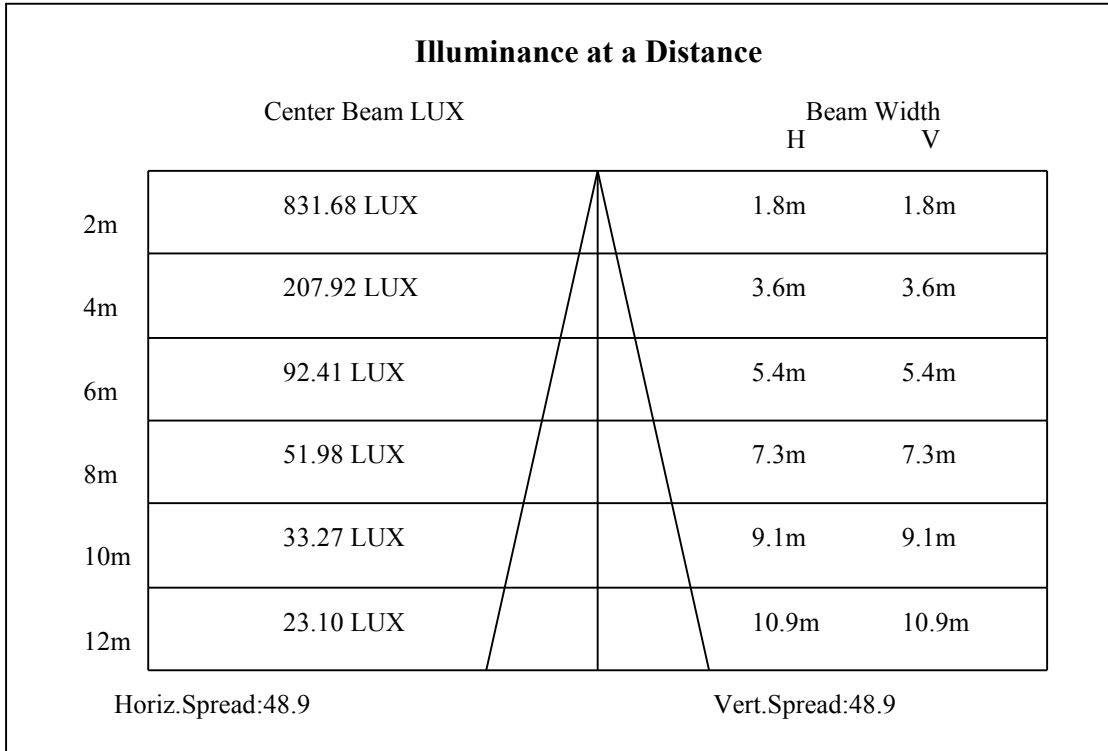
C90/C270: —————

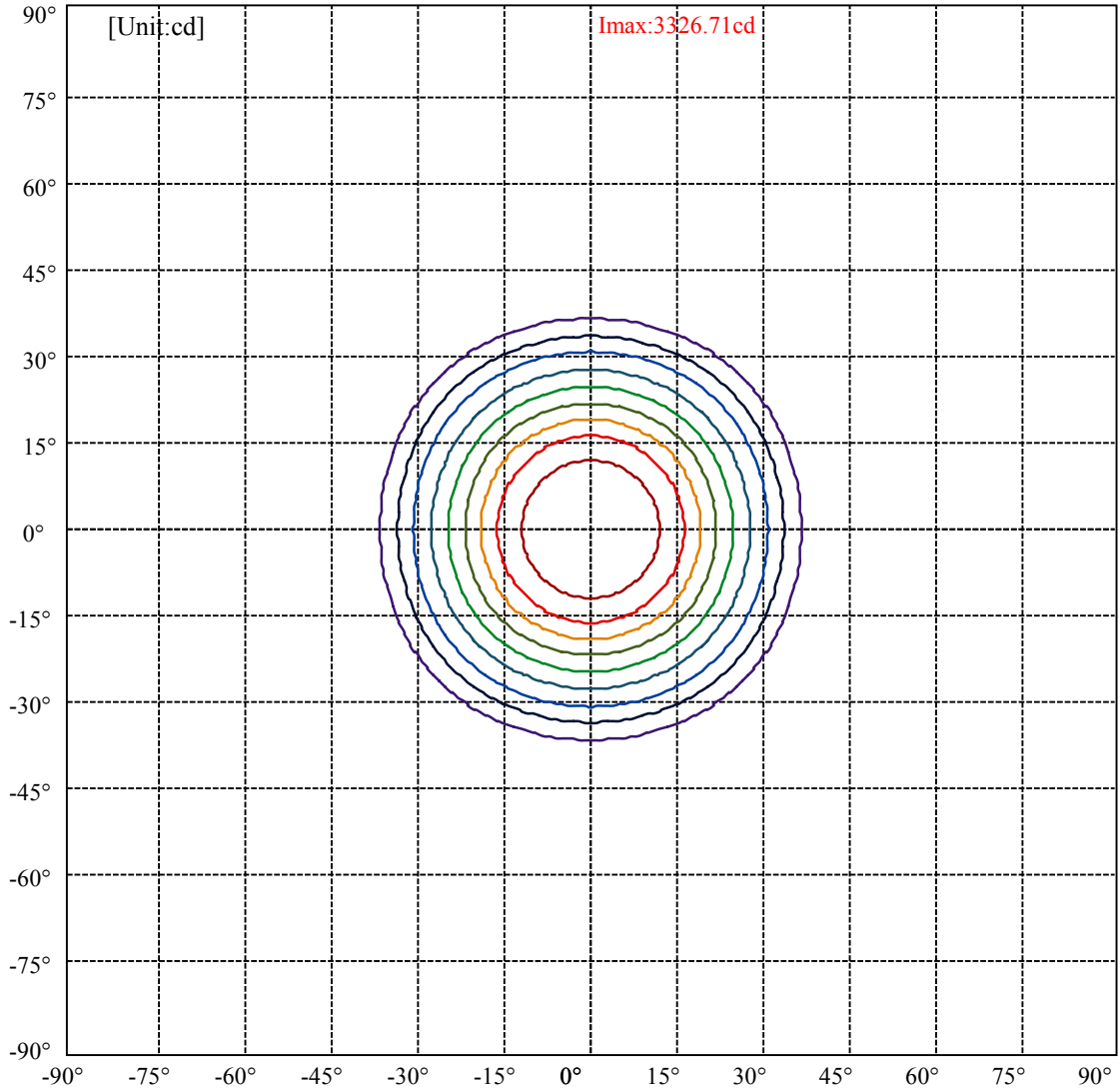
Field angle(10%Imax):C0/180Left:36.1 Right:36.1

:C90/270Left:36.1 Right:36.1

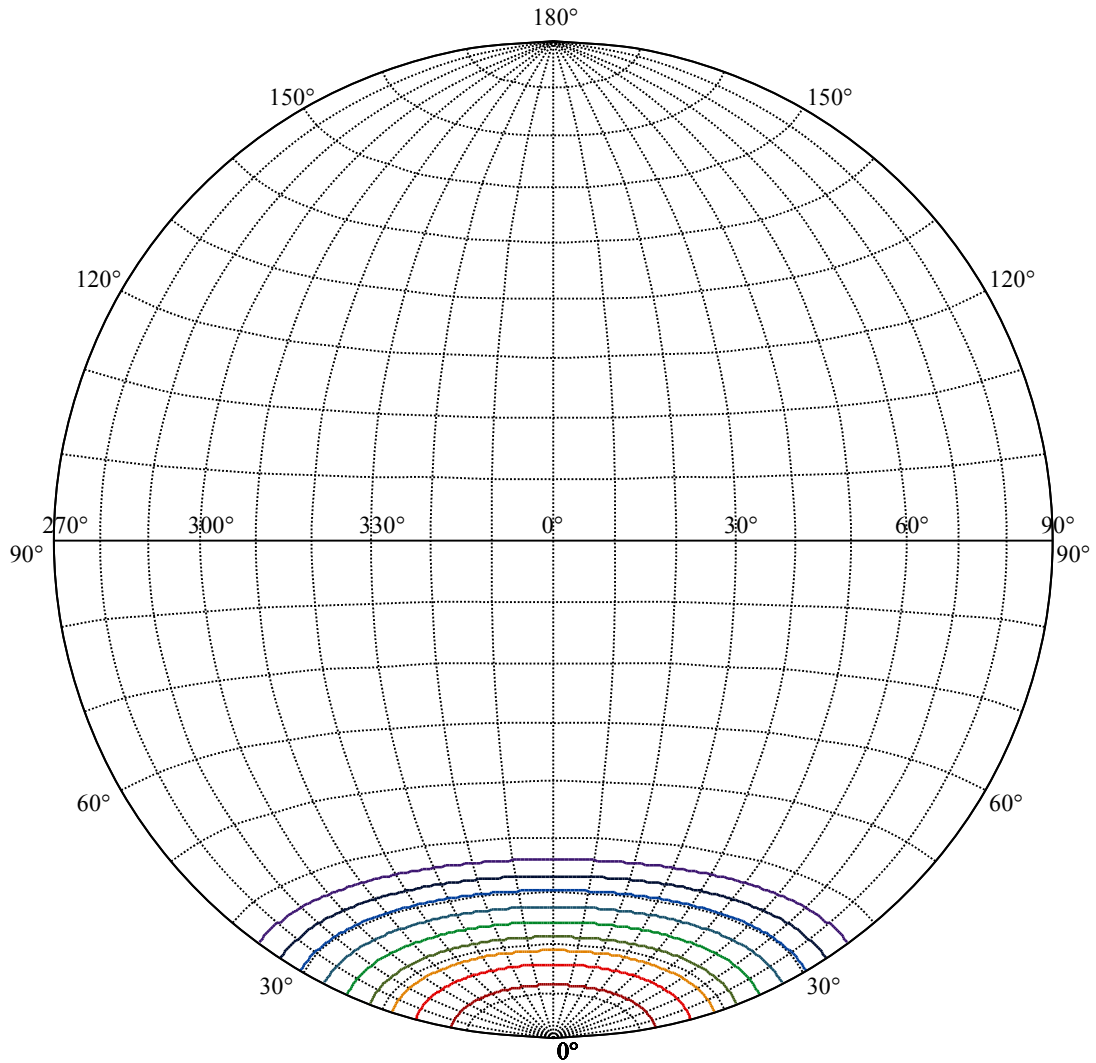
Beam Angle(50%Imax):C0/180Left:24.4 Right:24.4

:C90/270Left:24.4 Right:24.4





(10%Imax) 332.671	—
(20%Imax) 665.341	—
(30%Imax) 998.012	—
(40%Imax) 1330.68	—
(50%Imax) 1663.35	—
(60%Imax) 1996.02	—
(70%Imax) 2328.69	—
(80%Imax) 2661.37	—
(90%Imax) 2994.04	—



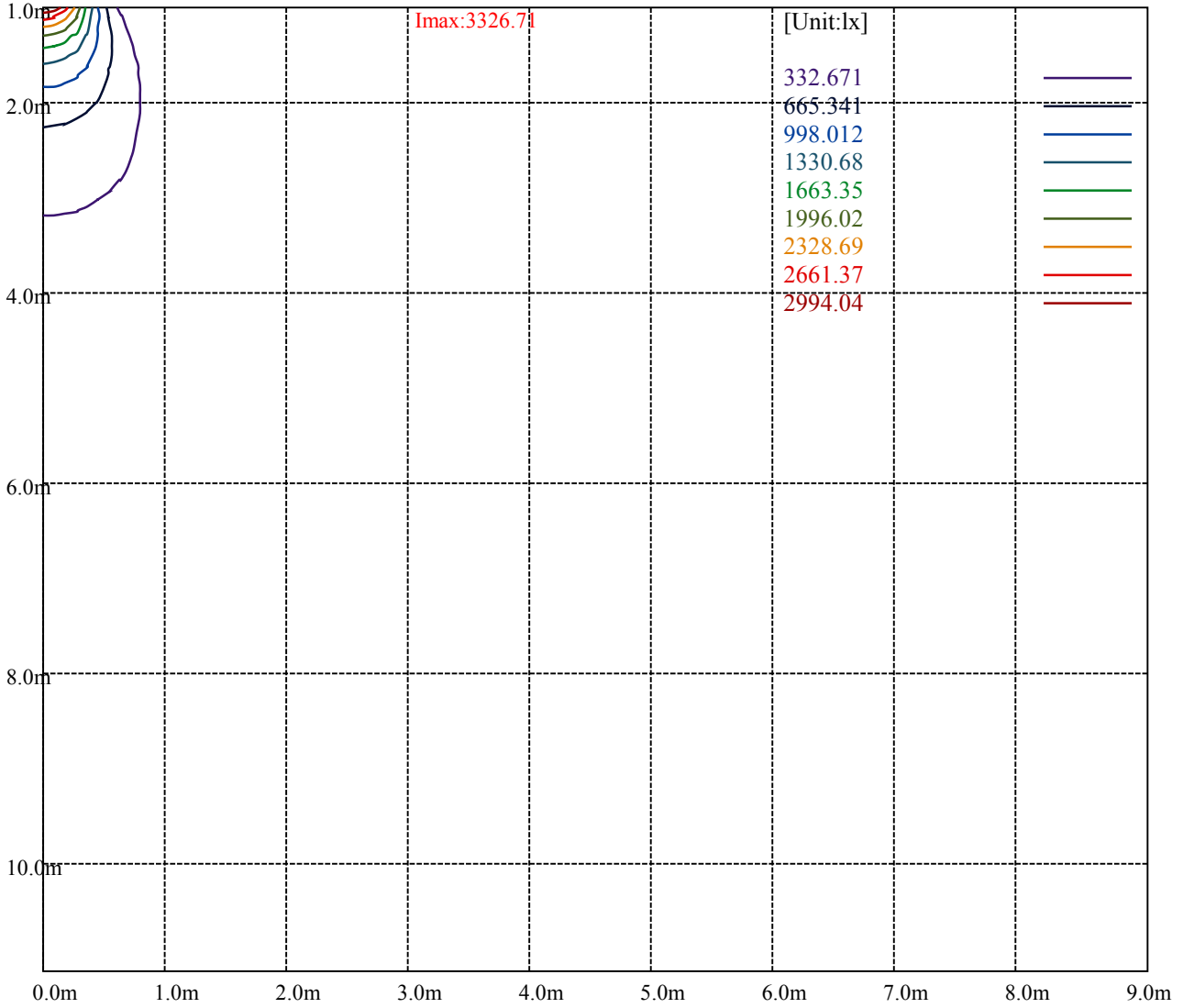
House

[Unit:cd]

Road

I_{max}:3326.71

(10%I _{max}) 332.671	—
(20%I _{max}) 665.341	—
(30%I _{max}) 998.012	—
(40%I _{max}) 1330.68	—
(50%I _{max}) 1663.35	—
(60%I _{max}) 1996.02	—
(70%I _{max}) 2328.69	—
(80%I _{max}) 2661.37	—
(90%I _{max}) 2994.04	—



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

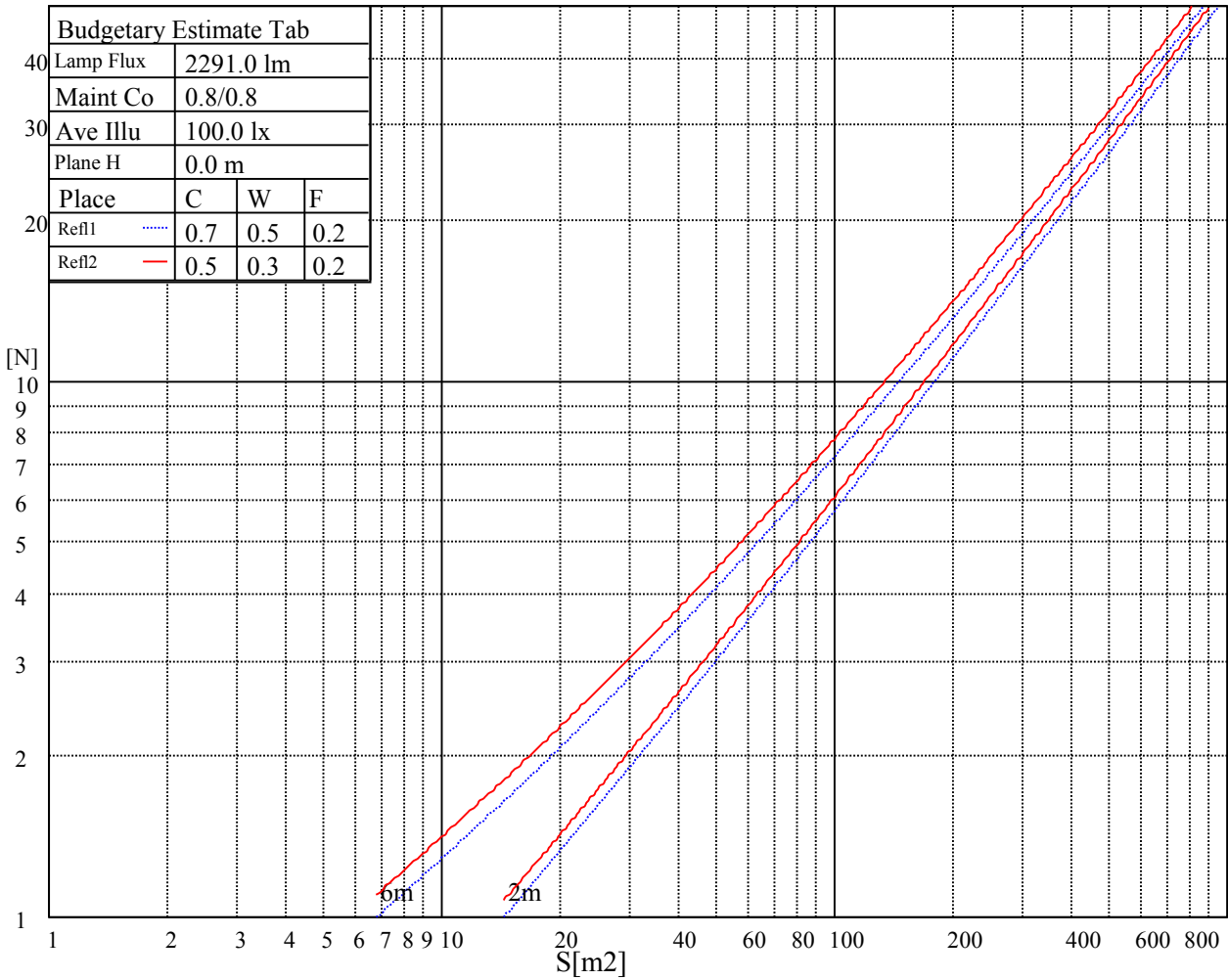
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

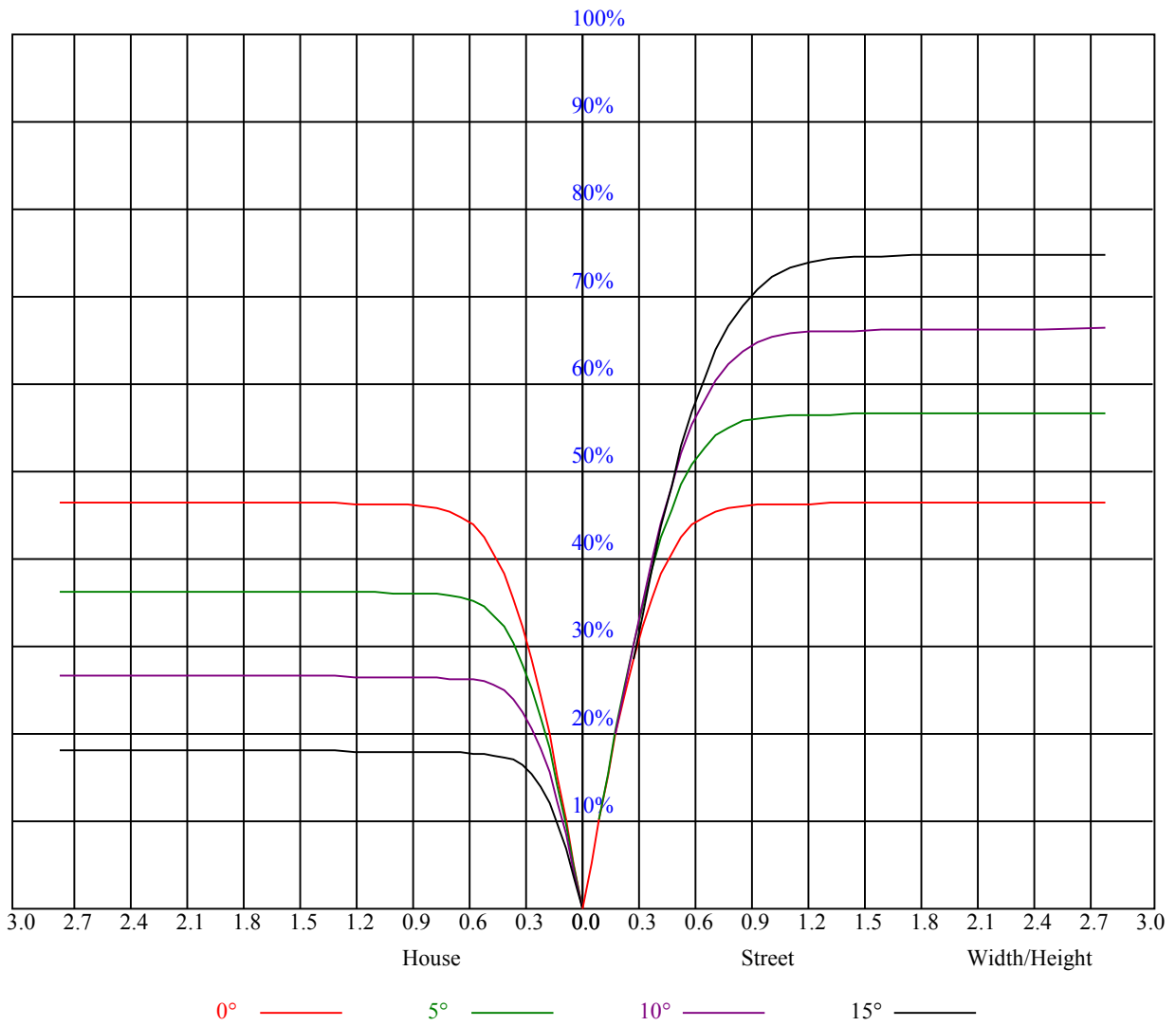


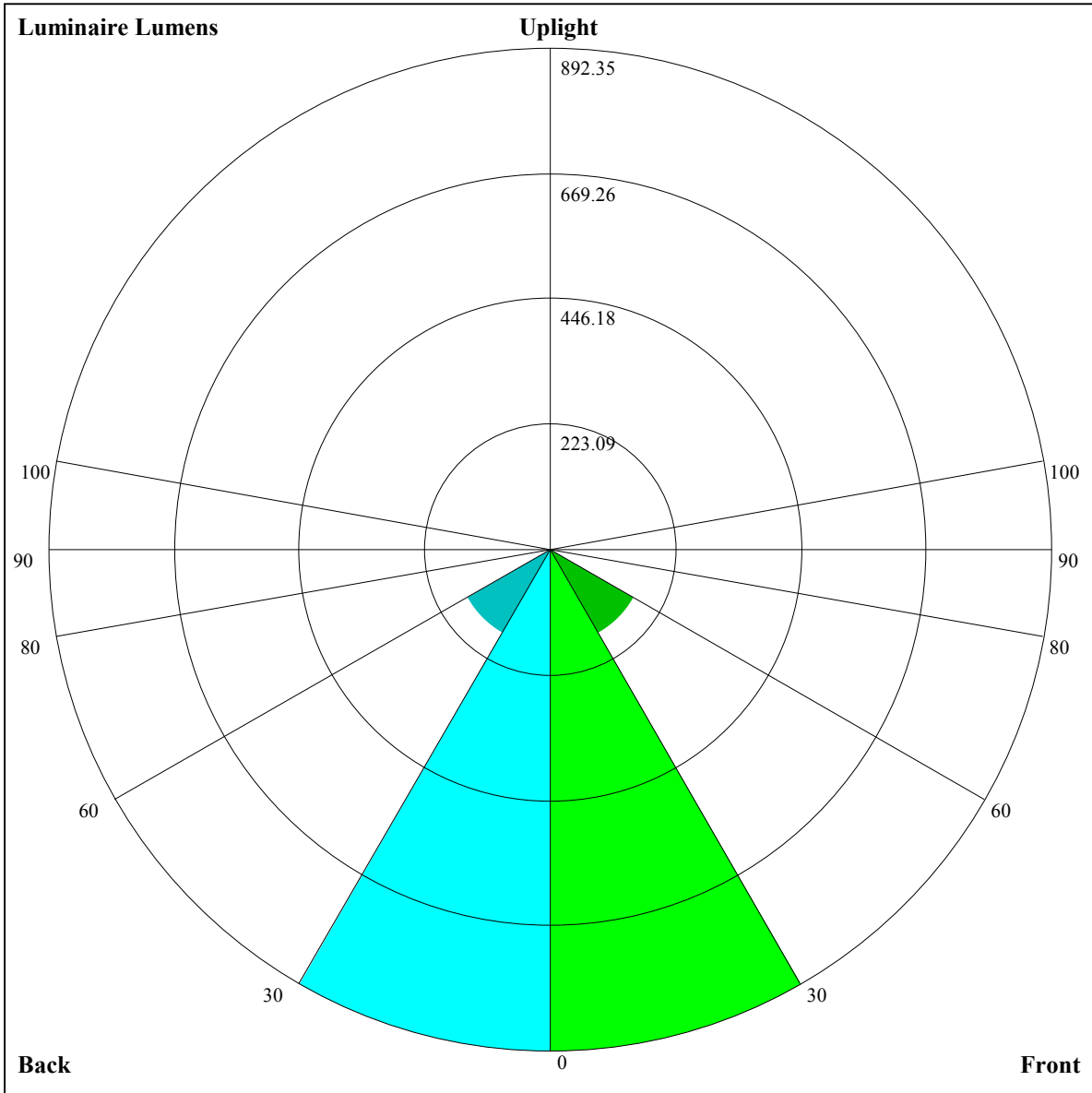
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.08	1.08	1.08	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.93	0.92	0.92	0.91	0.90	0.88
2	0.97	0.94	0.91	0.96	0.93	0.90	0.93	0.90	0.88	0.90	0.88	0.86	0.88	0.86	0.85	0.83
3	0.92	0.88	0.84	0.90	0.87	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.78
4	0.87	0.82	0.78	0.86	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.74
5	0.82	0.77	0.73	0.81	0.76	0.73	0.79	0.75	0.72	0.78	0.74	0.72	0.76	0.73	0.71	0.70
6	0.78	0.73	0.69	0.77	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.67	0.66
7	0.74	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.63
8	0.70	0.65	0.61	0.69	0.65	0.61	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.59
9	0.67	0.62	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.57
10	0.64	0.59	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.54





Luminaire Lumens:

FL=892.35,FM=170.29,FH=4.76,FVH=0.65

BL=892.35,BM=170.29,BH=4.76,BVH=0.65

UL=0,UH=0

BUG Rating:B2-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	3326.71	3326.14	3323.85	3314.30	3297.52	3280.80	3257.12	3225.15	3187.47
45.0	3326.71	3326.14	3323.85	3314.30	3297.52	3280.80	3257.12	3225.15	3187.47
90.0	3326.71	3326.14	3323.85	3314.30	3297.52	3280.80	3257.12	3225.15	3187.47
135.0	3326.71	3326.14	3323.85	3314.30	3297.52	3280.80	3257.12	3225.15	3187.47
180.0	3326.71	3326.14	3323.85	3314.30	3297.52	3280.80	3257.12	3225.15	3187.47
225.0	3326.71	3326.14	3323.85	3314.30	3297.52	3280.80	3257.12	3225.15	3187.47
270.0	3326.71	3326.14	3323.85	3314.30	3297.52	3280.80	3257.12	3225.15	3187.47
315.0	3326.71	3326.14	3323.85	3314.30	3297.52	3280.80	3257.12	3225.15	3187.47
360.0	3326.71	3326.14	3323.85	3314.30	3297.52	3280.80	3257.12	3225.15	3187.47
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3143.03	3095.89	3044.84	2983.48	2916.69	2846.56	2760.69	2661.79	2549.45
45.0	3143.03	3095.89	3044.84	2983.48	2916.69	2846.56	2760.69	2661.79	2549.45
90.0	3143.03	3095.89	3044.84	2983.48	2916.69	2846.56	2760.69	2661.79	2549.45
135.0	3143.03	3095.89	3044.84	2983.48	2916.69	2846.56	2760.69	2661.79	2549.45
180.0	3143.03	3095.89	3044.84	2983.48	2916.69	2846.56	2760.69	2661.79	2549.45
225.0	3143.03	3095.89	3044.84	2983.48	2916.69	2846.56	2760.69	2661.79	2549.45
270.0	3143.03	3095.89	3044.84	2983.48	2916.69	2846.56	2760.69	2661.79	2549.45
315.0	3143.03	3095.89	3044.84	2983.48	2916.69	2846.56	2760.69	2661.79	2549.45
360.0	3143.03	3095.89	3044.84	2983.48	2916.69	2846.56	2760.69	2661.79	2549.45
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2428.62	2309.10	2180.33	2053.93	1947.93	1812.04	1704.94	1600.39	1489.16
45.0	2428.62	2309.10	2180.33	2053.93	1947.93	1812.04	1704.94	1600.39	1489.16
90.0	2428.62	2309.10	2180.33	2053.93	1947.93	1812.04	1704.94	1600.39	1489.16
135.0	2428.62	2309.10	2180.33	2053.93	1947.93	1812.04	1704.94	1600.39	1489.16
180.0	2428.62	2309.10	2180.33	2053.93	1947.93	1812.04	1704.94	1600.39	1489.16
225.0	2428.62	2309.10	2180.33	2053.93	1947.93	1812.04	1704.94	1600.39	1489.16
270.0	2428.62	2309.10	2180.33	2053.93	1947.93	1812.04	1704.94	1600.39	1489.16
315.0	2428.62	2309.10	2180.33	2053.93	1947.93	1812.04	1704.94	1600.39	1489.16
360.0	2428.62	2309.10	2180.33	2053.93	1947.93	1812.04	1704.94	1600.39	1489.16
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1369.63	1244.25	1152.14	1055.45	925.98	806.72	679.92	557.49	442.38
45.0	1369.63	1244.25	1152.14	1055.45	925.98	806.72	679.92	557.49	442.38
90.0	1369.63	1244.25	1152.14	1055.45	925.98	806.72	679.92	557.49	442.38
135.0	1369.63	1244.25	1152.14	1055.45	925.98	806.72	679.92	557.49	442.38
180.0	1369.63	1244.25	1152.14	1055.45	925.98	806.72	679.92	557.49	442.38
225.0	1369.63	1244.25	1152.14	1055.45	925.98	806.72	679.92	557.49	442.38
270.0	1369.63	1244.25	1152.14	1055.45	925.98	806.72	679.92	557.49	442.38
315.0	1369.63	1244.25	1152.14	1055.45	925.98	806.72	679.92	557.49	442.38
360.0	1369.63	1244.25	1152.14	1055.45	925.98	806.72	679.92	557.49	442.38
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	344.19	260.80	202.52	153.69	88.93	70.36	56.88	47.18	40.16
45.0	344.19	260.80	202.52	153.69	88.93	70.36	56.88	47.18	40.16
90.0	344.19	260.80	202.52	153.69	88.93	70.36	56.88	47.18	40.16
135.0	344.19	260.80	202.52	153.69	88.93	70.36	56.88	47.18	40.16
180.0	344.19	260.80	202.52	153.69	88.93	70.36	56.88	47.18	40.16
225.0	344.19	260.80	202.52	153.69	88.93	70.36	56.88	47.18	40.16
270.0	344.19	260.80	202.52	153.69	88.93	70.36	56.88	47.18	40.16
315.0	344.19	260.80	202.52	153.69	88.93	70.36	56.88	47.18	40.16
360.0	344.19	260.80	202.52	153.69	88.93	70.36	56.88	47.18	40.16

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	34.13	29.62	25.67	22.39	19.74	17.72	15.89	14.44	13.26
45.0	34.13	29.62	25.67	22.39	19.74	17.72	15.89	14.44	13.26
90.0	34.13	29.62	25.67	22.39	19.74	17.72	15.89	14.44	13.26
135.0	34.13	29.62	25.67	22.39	19.74	17.72	15.89	14.44	13.26
180.0	34.13	29.62	25.67	22.39	19.74	17.72	15.89	14.44	13.26
225.0	34.13	29.62	25.67	22.39	19.74	17.72	15.89	14.44	13.26
270.0	34.13	29.62	25.67	22.39	19.74	17.72	15.89	14.44	13.26
315.0	34.13	29.62	25.67	22.39	19.74	17.72	15.89	14.44	13.26
360.0	34.13	29.62	25.67	22.39	19.74	17.72	15.89	14.44	13.26
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	12.20	11.28	10.47	9.79	9.12	8.57	8.05	7.57	7.08
45.0	12.20	11.28	10.47	9.79	9.12	8.57	8.05	7.57	7.08
90.0	12.20	11.28	10.47	9.79	9.12	8.57	8.05	7.57	7.08
135.0	12.20	11.28	10.47	9.79	9.12	8.57	8.05	7.57	7.08
180.0	12.20	11.28	10.47	9.79	9.12	8.57	8.05	7.57	7.08
225.0	12.20	11.28	10.47	9.79	9.12	8.57	8.05	7.57	7.08
270.0	12.20	11.28	10.47	9.79	9.12	8.57	8.05	7.57	7.08
315.0	12.20	11.28	10.47	9.79	9.12	8.57	8.05	7.57	7.08
360.0	12.20	11.28	10.47	9.79	9.12	8.57	8.05	7.57	7.08
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	6.74	6.35	5.98	5.66	5.34	5.05	4.78	4.51	4.27
45.0	6.74	6.35	5.98	5.66	5.34	5.05	4.78	4.51	4.27
90.0	6.74	6.35	5.98	5.66	5.34	5.05	4.78	4.51	4.27
135.0	6.74	6.35	5.98	5.66	5.34	5.05	4.78	4.51	4.27
180.0	6.74	6.35	5.98	5.66	5.34	5.05	4.78	4.51	4.27
225.0	6.74	6.35	5.98	5.66	5.34	5.05	4.78	4.51	4.27
270.0	6.74	6.35	5.98	5.66	5.34	5.05	4.78	4.51	4.27
315.0	6.74	6.35	5.98	5.66	5.34	5.05	4.78	4.51	4.27
360.0	6.74	6.35	5.98	5.66	5.34	5.05	4.78	4.51	4.27
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	4.03	3.78	3.56	3.31	3.07	2.85	2.59	2.33	2.10
45.0	4.03	3.78	3.56	3.31	3.07	2.85	2.59	2.33	2.10
90.0	4.03	3.78	3.56	3.31	3.07	2.85	2.59	2.33	2.10
135.0	4.03	3.78	3.56	3.31	3.07	2.85	2.59	2.33	2.10
180.0	4.03	3.78	3.56	3.31	3.07	2.85	2.59	2.33	2.10
225.0	4.03	3.78	3.56	3.31	3.07	2.85	2.59	2.33	2.10
270.0	4.03	3.78	3.56	3.31	3.07	2.85	2.59	2.33	2.10
315.0	4.03	3.78	3.56	3.31	3.07	2.85	2.59	2.33	2.10
360.0	4.03	3.78	3.56	3.31	3.07	2.85	2.59	2.33	2.10
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	1.89	1.68	1.47	1.28	1.12	0.99	0.85	0.70	0.59
45.0	1.89	1.68	1.47	1.28	1.12	0.99	0.85	0.70	0.59
90.0	1.89	1.68	1.47	1.28	1.12	0.99	0.85	0.70	0.59
135.0	1.89	1.68	1.47	1.28	1.12	0.99	0.85	0.70	0.59
180.0	1.89	1.68	1.47	1.28	1.12	0.99	0.85	0.70	0.59
225.0	1.89	1.68	1.47	1.28	1.12	0.99	0.85	0.70	0.59
270.0	1.89	1.68	1.47	1.28	1.12	0.99	0.85	0.70	0.59
315.0	1.89	1.68	1.47	1.28	1.12	0.99	0.85	0.70	0.59
360.0	1.89	1.68	1.47	1.28	1.12	0.99	0.85	0.70	0.59

Intensity data(cd)

C/γ(°)	90.0
0.0	0.56
45.0	0.56
90.0	0.56
135.0	0.56
180.0	0.56
225.0	0.56
270.0	0.56
315.0	0.56
360.0	0.56