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## Nata

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Client:

LumCAT: 2-2748-L

Luminaire: 92.70.412.00

Report No: 2024823-B010

Ballast type: AC

Test No: 2024823-C010

Voltage(V): 35.320

LampCAT: Fortimo\_SLM\_C\_1208

Current(A): 0.576

Lamp flux(lm): 3311.0

Power (W): 20.340

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 3094.54, Efficiency(%): 93.46% , Luminous Efficacy(lm/W): 152.14

Central intensity(cd): 15730.670, Maximum intensity(cd): 15730.670

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.0

[C90/270]Total=18.0

Field angle(10%Imax): [C0/180]Total=48.2

[C90/270]Total=48.2

Maximum s/h(1/2): C0\_180=0.31 C90\_270=0.31

Maximum s/h(1/4): C0\_180=0.34 C90\_270=0.34

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.46%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 99.203%

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Equipment: GMS 1800  
Temperature(°C): 25.0

Date: 2024/8/23  
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	15730.668	0.000	0	0.00%	0.00%
1.0	15606.700	14.994	14.994	0.45%	0.48%
2.0	15270.313	44.318	59.312	1.34%	1.92%
3.0	14348.938	70.840	130.151	2.14%	4.21%
4.0	13660.948	93.758	223.91	2.83%	7.24%
5.0	12763.358	113.676	337.585	3.43%	10.91%
6.0	11277.613	126.342	463.927	3.82%	14.99%
7.0	10097.269	132.674	596.601	4.01%	19.28%
8.0	9037.892	136.947	733.547	4.14%	23.70%
9.0	7862.351	136.967	870.515	4.14%	28.13%
10.0	6749.137	132.229	1002.743	3.99%	32.40%
11.0	5911.928	126.510	1129.253	3.82%	36.49%
12.0	5164.916	121.086	1250.339	3.66%	40.40%
13.0	4599.258	115.876	1366.215	3.50%	44.15%
14.0	4057.621	110.807	1477.022	3.35%	47.73%
15.0	3670.117	106.090	1583.112	3.20%	51.16%
16.0	3292.778	102.026	1685.138	3.08%	54.46%
17.0	2964.538	97.443	1782.581	2.94%	57.60%
18.0	2766.049	94.485	1877.066	2.85%	60.66%
19.0	2454.242	90.822	1967.889	2.74%	63.59%
20.0	2273.243	86.526	2054.415	2.61%	66.39%
21.0	2103.131	84.035	2138.45	2.54%	69.10%
22.0	1877.585	79.994	2218.444	2.42%	71.69%
23.0	1719.280	75.472	2293.916	2.28%	74.13%
24.0	1582.289	72.184	2366.1	2.18%	76.46%
25.0	1454.273	69.045	2435.145	2.09%	78.69%
26.0	1332.335	65.778	2500.923	1.99%	80.82%
27.0	1245.863	63.076	2563.999	1.91%	82.86%
28.0	1115.560	59.786	2623.786	1.81%	84.79%
29.0	1038.320	56.352	2680.137	1.70%	86.61%
30.0	938.931	53.385	2733.523	1.61%	88.33%
31.0	829.311	49.208	2782.73	1.49%	89.92%
32.0	716.723	44.292	2827.022	1.34%	91.36%
33.0	610.303	39.095	2866.117	1.18%	92.62%
34.0	505.592	33.770	2899.887	1.02%	93.71%
35.0	406.058	28.312	2928.2	0.86%	94.62%
36.0	327.248	23.349	2951.548	0.71%	95.38%
37.0	266.893	19.378	2970.926	0.59%	96.01%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	178.883	14.879	2985.805	0.45%	96.49%
39.0	152.037	11.295	2997.101	0.34%	96.85%
40.0	95.467	8.632	3005.733	0.26%	97.13%
41.0	74.711	6.060	3011.792	0.18%	97.33%
42.0	63.758	5.031	3016.823	0.15%	97.49%
43.0	56.761	4.464	3021.288	0.13%	97.63%
44.0	51.603	4.090	3025.378	0.12%	97.77%
45.0	47.208	3.797	3029.175	0.11%	97.89%
46.0	43.088	3.531	3032.706	0.11%	98.00%
47.0	39.895	3.300	3036.007	0.10%	98.11%
48.0	36.905	3.105	3039.111	0.09%	98.21%
49.0	34.271	2.923	3042.034	0.09%	98.30%
50.0	32.385	2.779	3044.813	0.08%	98.39%
51.0	30.742	2.671	3047.484	0.08%	98.48%
52.0	29.297	2.576	3050.061	0.08%	98.56%
53.0	28.456	2.512	3052.573	0.08%	98.64%
54.0	27.786	2.479	3055.052	0.07%	98.72%
55.0	27.392	2.463	3057.515	0.07%	98.80%
56.0	27.030	2.459	3059.974	0.07%	98.88%
57.0	26.892	2.465	3062.439	0.07%	98.96%
58.0	26.748	2.481	3064.92	0.07%	99.04%
59.0	26.386	2.484	3067.404	0.08%	99.12%
60.0	25.637	2.458	3069.862	0.07%	99.20%
61.0	24.448	2.390	3072.252	0.07%	99.28%
62.0	22.976	2.285	3074.537	0.07%	99.35%
63.0	21.012	2.139	3076.677	0.06%	99.42%
64.0	18.561	1.942	3078.618	0.06%	99.49%
65.0	16.531	1.737	3080.355	0.05%	99.54%
66.0	13.850	1.516	3081.871	0.05%	99.59%
67.0	11.807	1.290	3083.161	0.04%	99.63%
68.0	10.204	1.115	3084.276	0.03%	99.67%
69.0	8.791	0.969	3085.245	0.03%	99.70%
70.0	7.904	0.857	3086.102	0.03%	99.73%
71.0	7.267	0.784	3086.887	0.02%	99.75%
72.0	6.761	0.729	3087.616	0.02%	99.78%
73.0	6.301	0.683	3088.299	0.02%	99.80%
74.0	5.933	0.643	3088.942	0.02%	99.82%
75.0	5.604	0.610	3089.552	0.02%	99.84%

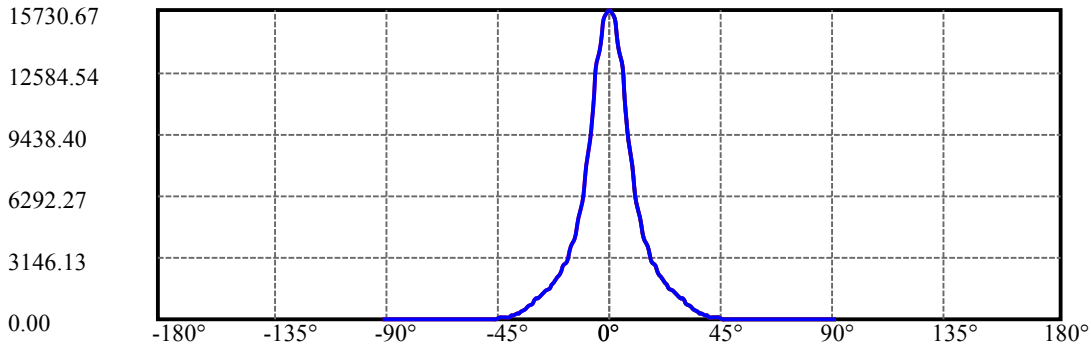
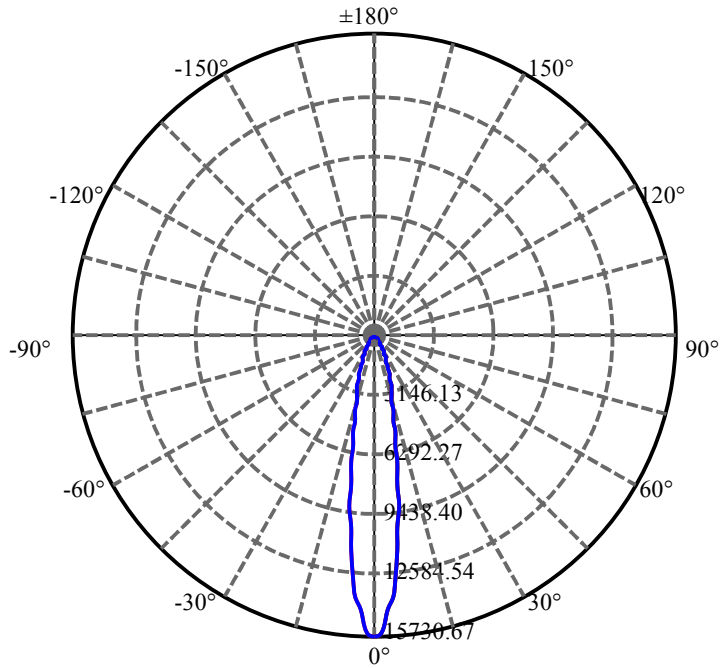
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.276	0.578	3090.129	0.02%	99.86%
77.0	4.934	0.544	3090.674	0.02%	99.88%
78.0	4.580	0.509	3091.183	0.02%	99.89%
79.0	4.251	0.474	3091.657	0.01%	99.91%
80.0	3.876	0.438	3092.096	0.01%	99.92%
81.0	3.482	0.398	3092.494	0.01%	99.93%
82.0	3.134	0.359	3092.852	0.01%	99.95%
83.0	2.779	0.321	3093.174	0.01%	99.96%
84.0	2.438	0.284	3093.458	0.01%	99.97%
85.0	2.175	0.252	3093.71	0.01%	99.97%
86.0	1.866	0.221	3093.931	0.01%	99.98%
87.0	1.590	0.189	3094.12	0.01%	99.99%
88.0	1.334	0.160	3094.28	0.00%	99.99%
89.0	1.156	0.136	3094.416	0.00%	100.00%
90.0	1.038	0.120	3094.537	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2733.52	82.56%	88.33%
0-40	3005.73	90.78%	97.13%
0-60	3069.86	92.72%	99.20%
0-90	3094.42	93.46%	100.00%
0-120	3094.42	93.46%	100.00%
0-180	3094.54	93.46%	100.00%
60-90	24.55	0.74%	0.79%
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%
0-25.62	2475.63	74.77%	80.00%

ZONAL LUMEN SUMMARY

0-10	1002.74
10-20	1051.67
20-30	679.11
30-40	272.21
40-50	39.08
50-60	25.05
60-70	16.24
70-80	5.99
80-90	2.32
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



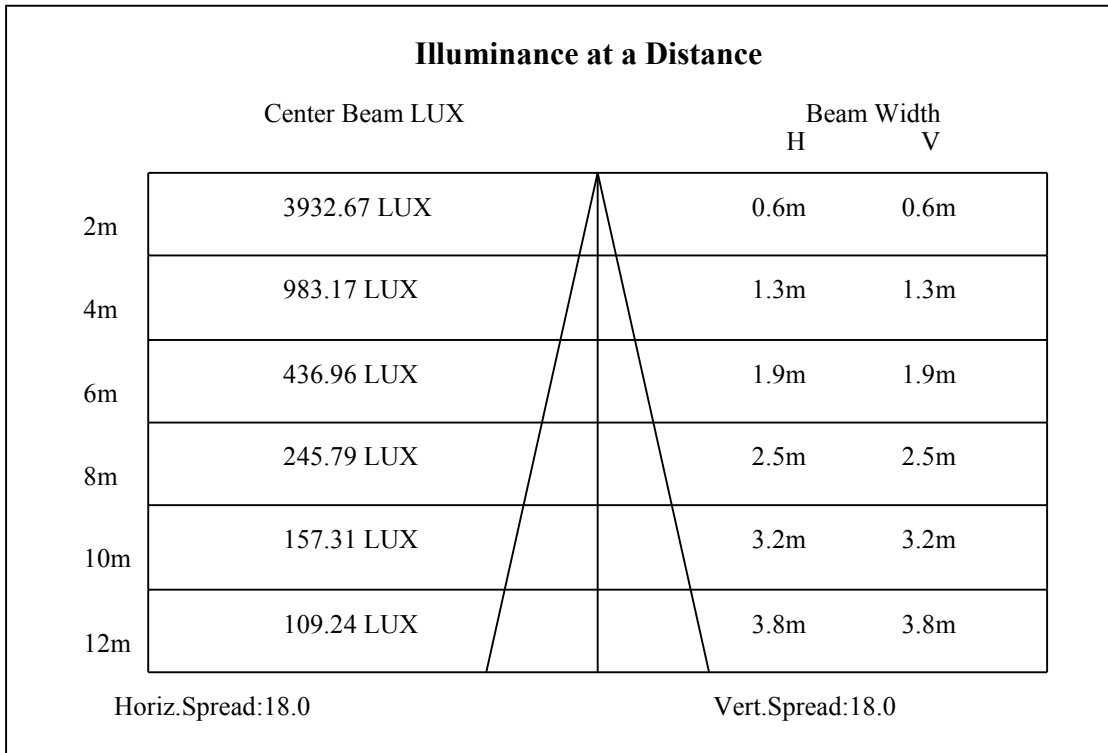
C0(Max): —————

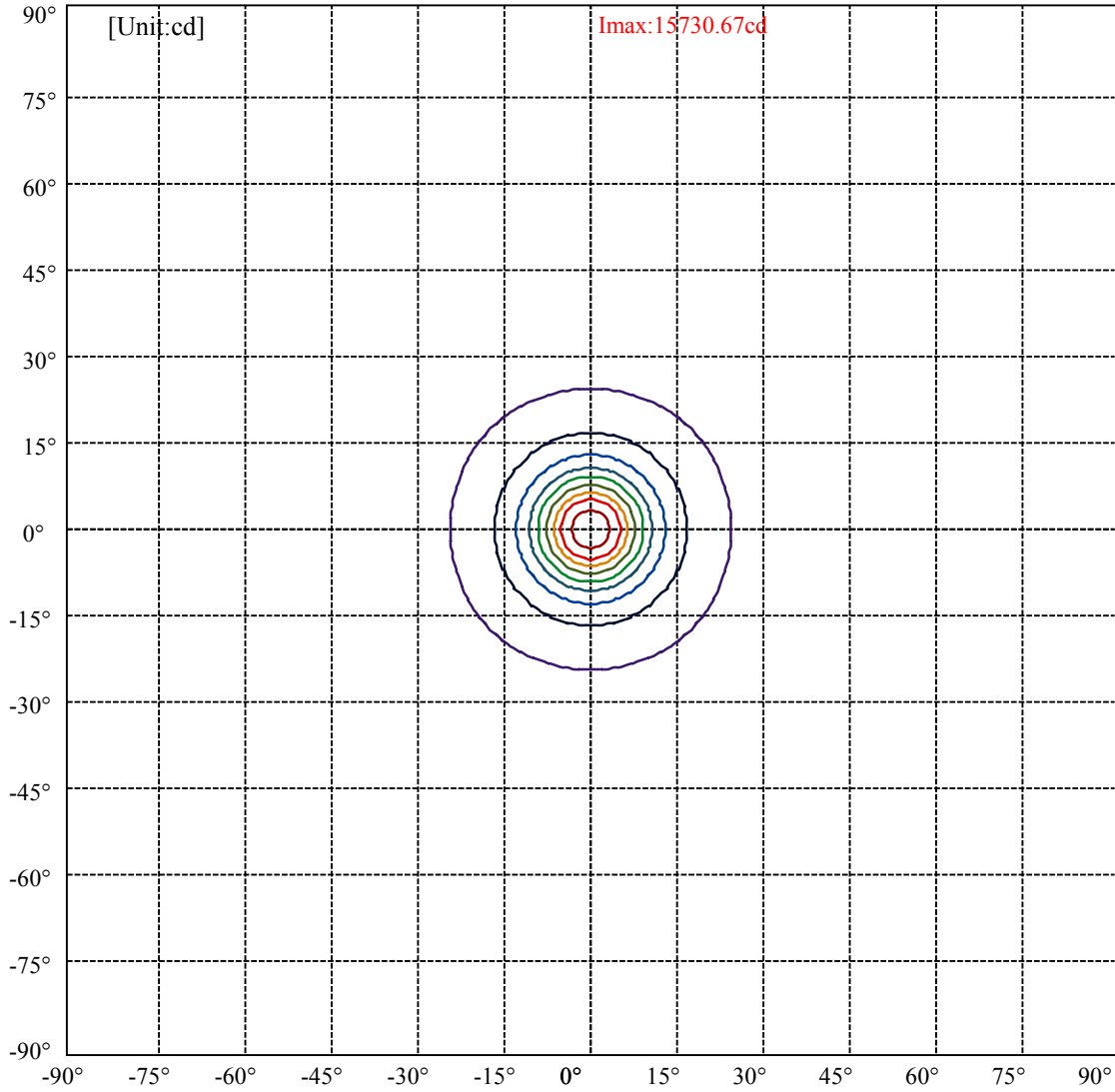
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:24.1 Right:24.1  
:C90/270Left:24.1 Right:24.1

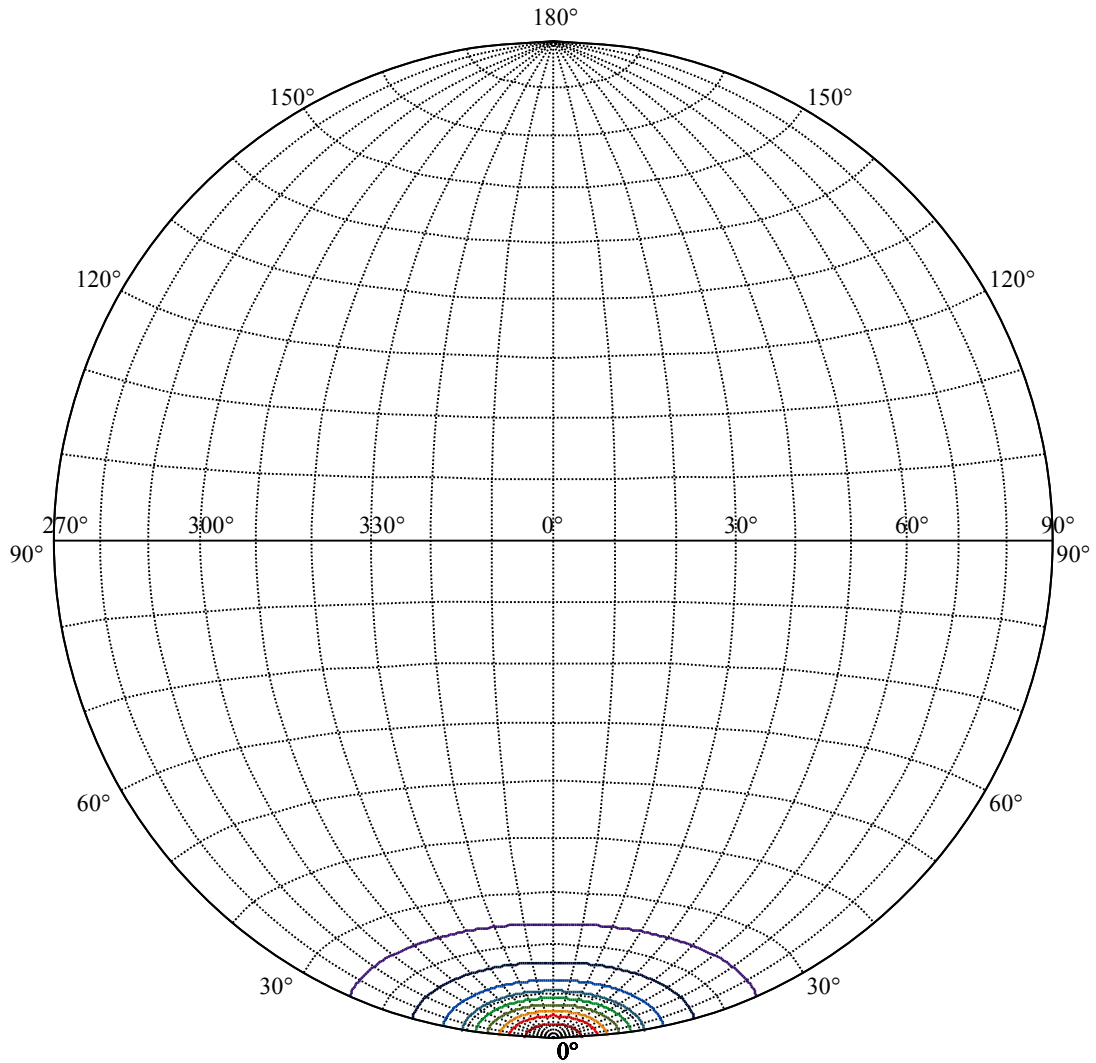
Beam Angle(50%Imax):C0/180Left:9.0 Right:9.0  
:C90/270Left:9.0 Right:9.0





(10%Imax) 1573.07	—
(20%Imax) 3146.13	—
(30%Imax) 4719.2	—
(40%Imax) 6292.27	—
(50%Imax) 7865.33	—
(60%Imax) 9438.4	—
(70%Imax) 11011.5	—
(80%Imax) 12584.5	—
(90%Imax) 14157.6	—





House

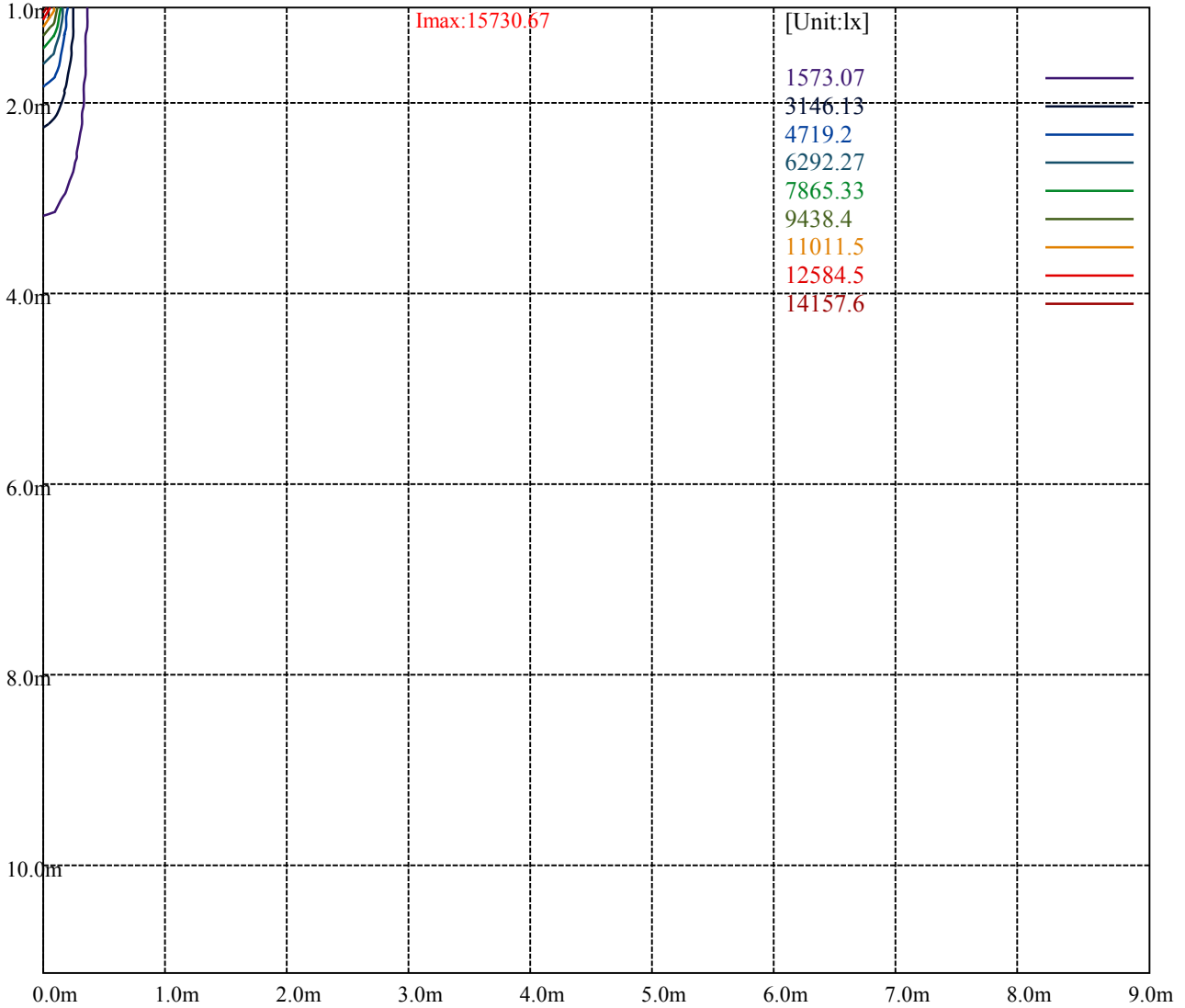
[Unit:cd]

Road

**Imax:15730.67**

(10%Imax) 1573.07	—
(20%Imax) 3146.13	—
(30%Imax) 4719.2	—
(40%Imax) 6292.27	—
(50%Imax) 7865.33	—
(60%Imax) 9438.4	—
(70%Imax) 11011.5	—
(80%Imax) 12584.5	—
(90%Imax) 14157.6	—





Luminance Table

$\gamma$	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

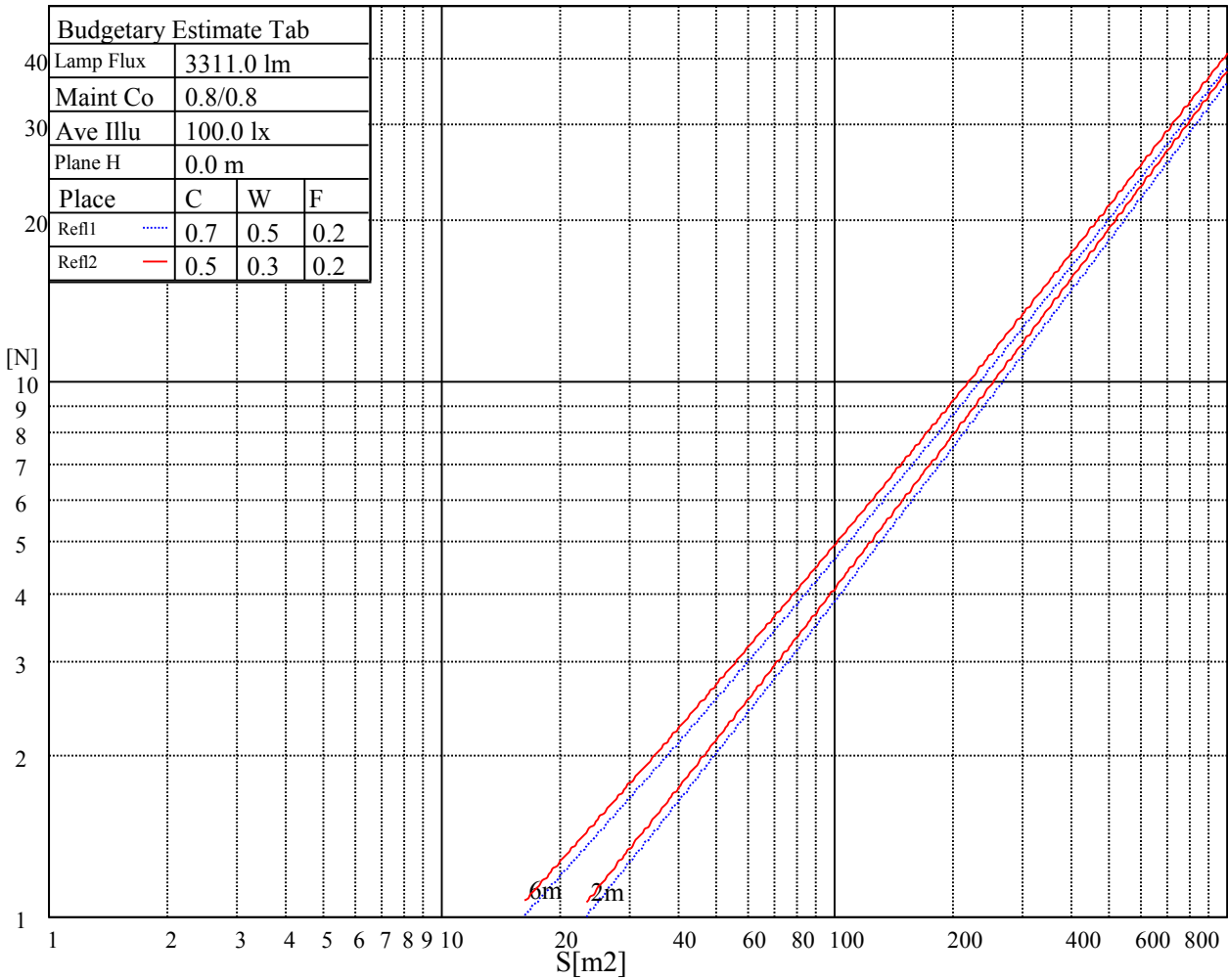
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

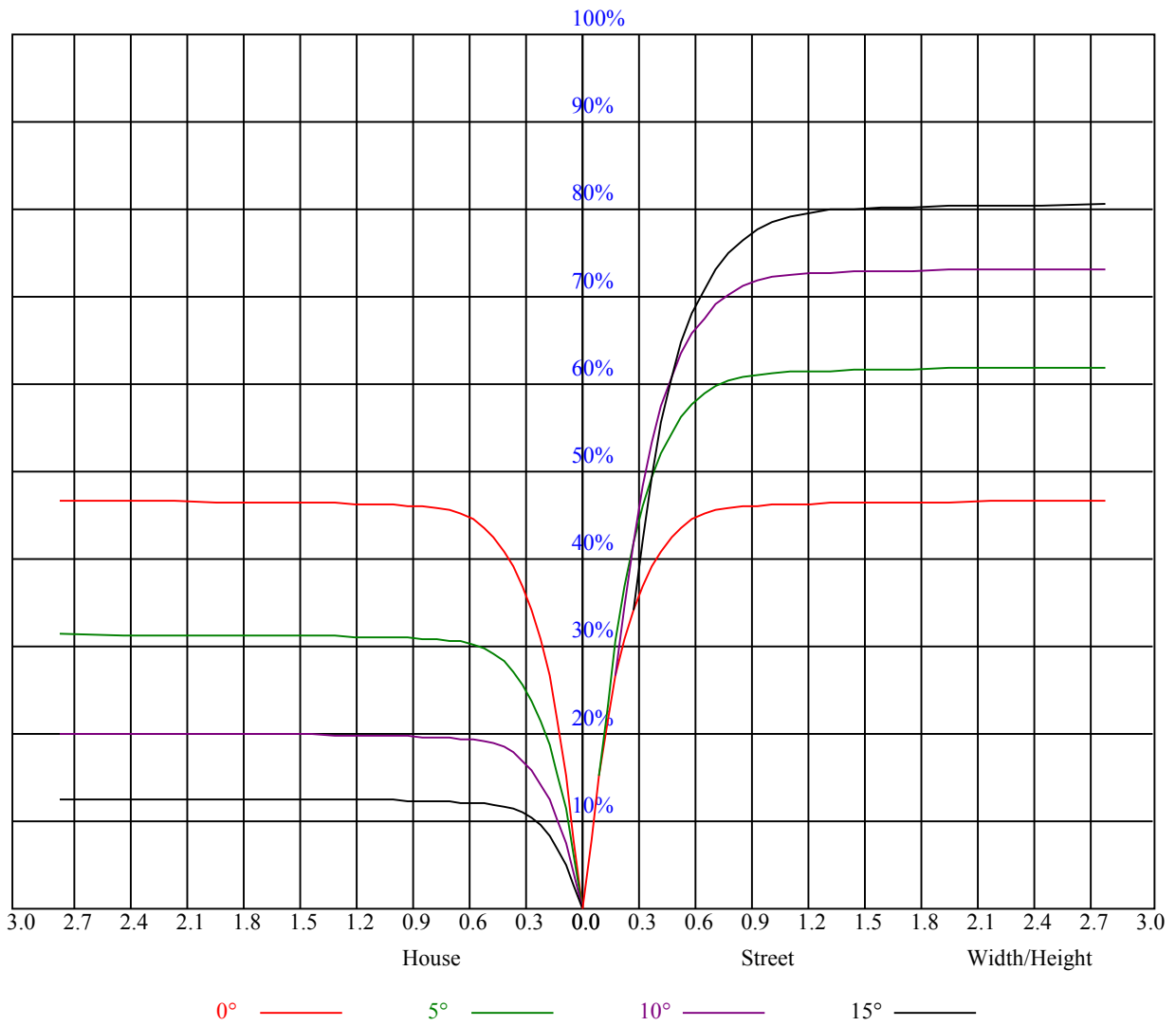


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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				

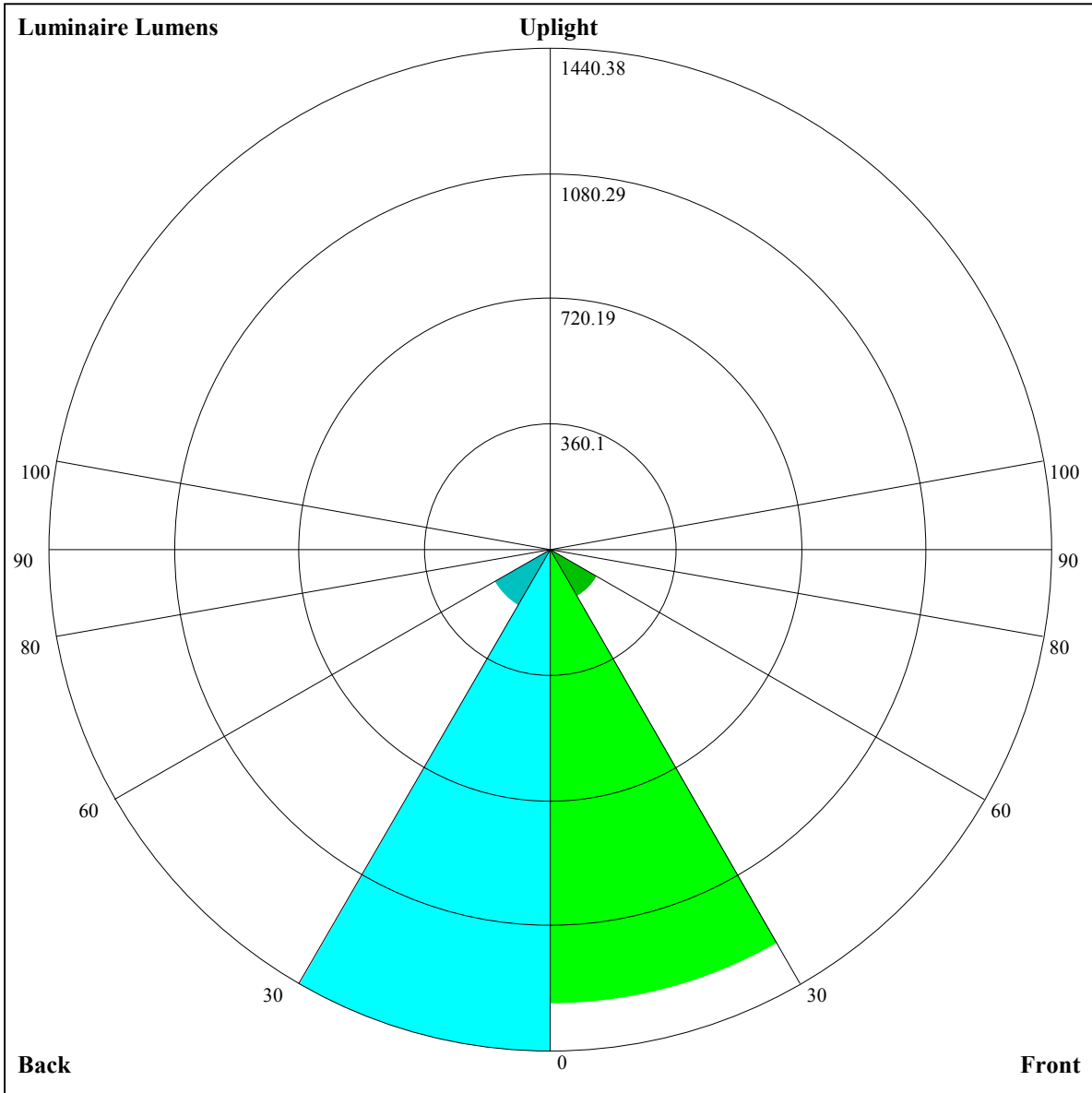
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.89
2	0.99	0.96	0.94	0.98	0.95	0.93	0.95	0.93	0.91	0.92	0.90	0.89	0.90	0.88	0.87	0.86
3	0.95	0.91	0.88	0.93	0.90	0.87	0.91	0.88	0.86	0.89	0.86	0.84	0.87	0.85	0.83	0.82
4	0.90	0.86	0.83	0.89	0.85	0.83	0.87	0.84	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.79
5	0.86	0.82	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.77	0.76
6	0.83	0.79	0.75	0.82	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.73
7	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.72	0.76	0.73	0.71	0.70
8	0.77	0.73	0.70	0.76	0.72	0.70	0.76	0.72	0.69	0.75	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	0.72	0.69	0.67	0.66
10	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.70	0.67	0.64	0.64







Luminaire Lumens:

FL=1305.63,FM=153.73,FH=10.65,FVH=1.17

BL=1440.38,BM=185.13,BH=11.72,BVH=1.3

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	15453.48	14896.32	14066.15	11085.59	11085.59	9916.13	9065.87	7764.37	6660.61
45.0	15904.78	15603.91	15314.19	14305.73	13692.85	12405.80	11057.47	9547.56	8165.79
90.0	15615.06	15057.89	14238.87	12717.81	10969.16	10379.10	9503.83	7631.76	6536.94
135.0	15949.35	15743.20	15314.19	14634.45	13692.85	12511.66	11709.35	9714.71	8884.53
180.0	15453.48	15748.78	15821.21	15681.92	15286.33	14667.88	13787.56	12645.38	11297.05
225.0	15904.78	15971.64	15793.35	15431.19	14757.03	13926.85	10848.79	10335.10	10090.53
270.0	15615.06	15927.07	15999.50	15815.64	15431.19	14940.89	13926.85	12818.10	11770.64
315.0	15949.35	15904.78	15615.06	15119.18	14372.58	13358.55	10321.17	10321.17	8897.04
360.0	15453.48	14896.32	14066.15	11085.59	11085.59	9916.13	9065.87	7764.37	6660.61
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5779.19	5082.16	4507.18	4029.70	3610.15	3255.77	2935.41	2655.72	2418.93
45.0	6956.75	5942.72	5184.98	4583.24	4104.08	3658.35	3301.77	2995.33	2766.89
90.0	5987.55	4961.27	4390.76	4100.45	3679.80	3312.07	2985.02	2700.29	2444.00
135.0	7586.35	6115.44	5619.56	4939.82	4377.09	3897.93	3496.77	3145.76	2839.32
180.0	9887.43	8494.52	7268.76	6249.16	5742.14	4800.53	4460.66	3981.50	3418.77
225.0	8724.38	7476.86	6618.25	5551.28	4892.20	4452.04	3987.92	3518.80	3221.82
270.0	10372.16	8990.40	7714.49	6622.45	5747.71	4939.82	4482.95	4003.79	3597.06
315.0	7605.01	6929.73	5991.44	5243.21	4640.90	4144.45	3710.44	3341.03	3009.52
360.0	5779.19	5082.16	4507.18	4029.70	3610.15	3255.77	2935.41	2655.72	2418.93
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2211.67	2028.91	1859.56	1705.76	1618.29	1433.85	1363.68	1232.75	1087.62
45.0	2766.89	2294.67	2100.24	1837.27	1754.22	1609.94	1476.80	1358.64	1258.92
90.0	2222.82	2030.59	1862.34	1709.12	1568.73	1442.79	1334.72	1222.13	1081.53
135.0	2839.32	2343.71	2139.24	1957.59	1798.27	1681.26	1523.00	1410.46	1327.99
180.0	3212.62	2906.18	2789.18	2580.50	2187.70	2000.53	1833.91	1688.52	1554.22
225.0	2924.84	2645.16	2388.28	2179.92	1986.02	1824.44	1673.43	1547.55	1428.28
270.0	3229.33	2917.32	2800.32	2800.32	2231.75	2038.37	1866.23	1715.22	1575.93
315.0	2720.90	2467.39	2246.78	2054.56	1875.69	1723.05	1586.55	1458.92	1344.18
360.0	2211.67	2028.91	1859.56	1705.76	1618.29	1433.85	1363.68	1232.75	1087.62
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1042.73	929.36	812.25	695.51	581.92	475.32	379.13	290.41	212.30
45.0	1162.52	1058.92	936.35	817.66	707.33	604.26	508.96	415.40	332.35
90.0	1081.53	928.10	859.92	743.23	629.59	518.84	412.67	314.74	227.60
135.0	1238.85	1146.91	1039.42	923.52	804.84	687.83	574.19	466.65	365.78
180.0	1433.85	1329.67	1236.06	1162.00	1037.16	920.16	827.70	712.91	599.27
225.0	1325.21	1097.45	1080.42	1029.70	954.75	840.32	722.79	615.24	500.50
270.0	1453.35	1343.60	1251.67	1160.32	1056.14	940.76	826.02	709.02	593.12
315.0	1228.86	1090.46	1090.46	979.50	862.76	746.28	630.96	520.37	417.56
360.0	1042.73	929.36	812.25	695.51	581.92	475.32	379.13	290.41	212.30
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	150.96	109.01	86.10	78.48	65.65	58.98	55.40	48.04	45.41
45.0	298.40	298.40	127.52	87.94	72.90	63.44	56.93	51.25	45.83
90.0	156.90	104.86	77.90	67.44	60.92	55.82	51.09	46.47	42.63
135.0	275.53	275.53	133.88	94.35	81.10	70.70	63.55	57.77	52.67
180.0	494.51	395.32	303.97	303.97	156.27	107.81	82.31	71.17	63.29
225.0	395.53	300.82	222.18	157.32	105.60	79.47	69.75	62.76	57.14
270.0	527.36	420.97	323.47	323.47	146.96	98.13	74.17	64.70	58.34
315.0	318.79	230.22	156.06	103.34	74.32	63.34	56.87	51.93	47.52
360.0	150.96	109.01	86.10	78.48	65.65	58.98	55.40	48.04	45.41

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	41.42	38.16	35.43	33.06	31.06	29.70	28.86	27.91	27.81
45.0	41.73	38.48	35.58	33.11	30.75	29.12	28.02	27.17	26.54
90.0	40.58	36.43	34.01	31.80	30.07	29.22	28.49	27.91	27.39
135.0	47.94	43.89	40.42	37.53	34.90	32.48	30.70	29.44	28.54
180.0	57.24	51.93	49.04	43.21	39.89	38.06	35.32	32.90	31.01
225.0	52.09	47.31	43.57	40.37	37.27	35.11	32.43	30.96	29.86
270.0	53.30	48.67	44.26	40.79	37.69	35.11	33.64	30.75	29.86
315.0	43.36	39.84	36.85	35.37	32.54	30.28	28.49	27.33	26.65
360.0	41.42	38.16	35.43	33.06	31.06	29.70	28.86	27.91	27.81
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.96	27.91	27.60	27.54	26.86	25.60	24.55	21.87	18.87
45.0	26.39	26.39	26.12	25.97	26.23	25.60	24.13	22.92	21.55
90.0	27.23	27.49	27.39	27.49	26.96	25.60	24.07	21.76	18.98
135.0	27.75	27.12	27.17	27.17	27.07	27.17	26.18	24.60	23.50
180.0	29.44	28.44	27.60	26.96	26.75	26.81	26.75	26.54	25.91
225.0	28.65	28.12	27.33	27.07	27.17	26.96	26.44	25.86	24.76
270.0	28.80	28.07	27.33	26.86	26.96	27.23	27.07	27.28	26.86
315.0	26.07	25.60	25.70	26.07	25.97	26.12	25.91	24.76	23.39
360.0	27.96	27.91	27.60	27.54	26.86	25.60	24.55	21.87	18.87
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.14	13.25	11.77	10.25	9.04	8.25	7.57	7.04	6.57
45.0	18.66	16.19	14.09	11.46	10.14	8.94	7.99	7.36	6.89
90.0	16.35	13.35	11.67	9.93	8.30	7.78	7.15	6.52	6.20
135.0	20.71	18.29	15.82	13.09	10.67	9.30	8.20	7.52	6.99
180.0	24.70	23.50	21.50	18.66	15.87	13.77	10.88	9.51	8.62
225.0	23.13	20.71	18.19	15.35	12.51	10.57	9.25	8.25	7.57
270.0	25.55	24.28	21.97	18.76	16.24	13.30	10.78	9.41	8.30
315.0	21.87	18.92	17.24	13.30	11.67	9.72	8.52	7.62	6.99
360.0	17.14	13.25	11.77	10.25	9.04	8.25	7.57	7.04	6.57
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.15	5.83	5.47	5.10	4.84	4.52	4.10	3.68	3.31
45.0	6.41	5.99	5.62	5.31	5.10	4.84	4.21	3.99	3.63
90.0	5.89	5.57	5.20	4.89	4.63	4.26	3.89	3.47	3.10
135.0	6.52	6.04	5.73	5.41	5.10	4.73	4.52	4.10	3.73
180.0	7.78	7.25	6.78	6.36	5.94	5.57	5.20	4.94	4.57
225.0	6.99	6.57	6.25	5.89	5.57	5.15	4.89	4.52	4.15
270.0	7.83	7.10	6.62	6.41	5.99	5.62	5.31	5.10	4.73
315.0	6.52	6.04	5.78	5.47	5.05	4.78	4.52	4.21	3.78
360.0	6.15	5.83	5.47	5.10	4.84	4.52	4.10	3.68	3.31
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.94	2.68	2.31	2.00	1.84	1.52	1.31	1.05	1.05
45.0	3.10	2.79	2.47	2.10	1.94	1.58	1.31	1.10	1.00
90.0	2.79	2.47	2.10	1.94	1.68	1.42	1.21	0.89	1.00
135.0	3.31	3.00	2.68	2.26	1.94	1.73	1.42	1.21	0.89
180.0	4.21	3.89	3.47	3.05	2.73	2.31	2.05	1.79	1.52
225.0	3.73	3.26	2.94	2.68	2.31	2.10	1.79	1.52	1.26
270.0	4.31	3.89	3.47	3.05	2.79	2.37	2.05	1.79	1.47
315.0	3.47	3.10	2.79	2.42	2.16	1.89	1.58	1.31	1.05
360.0	2.94	2.68	2.31	2.00	1.84	1.52	1.31	1.05	1.05

Intensity data(cd)

C/γ(°)	90.0
0.0	1.00
45.0	0.95
90.0	1.00
135.0	0.79
180.0	1.21
225.0	1.16
270.0	1.26
315.0	0.95
360.0	1.00