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NT

Client:

LumCAT: 1-1207-L

Luminaire: 92.70.410.00

Report No: 2024801-B013

Ballast type: AC

Test No: 2024801-C013

Voltage(V): 35.040

LampCAT: Fortimo\_SLM\_C\_1203

Current(A): 0.240

Lamp flux(lm): 1431.0

Power (W): 8.409

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 1315.03, Efficiency(%): 91.90% , Luminous Efficacy(lm/W): 156.38

Central intensity(cd): 4224.798, Maximum intensity(cd): 4224.798

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

Beam Angle(50%Imax): [C0/180]Total=27.8

[C90/270]Total=27.8

Field angle(10%Imax): [C0/180]Total=58.8

[C90/270]Total=58.8

Maximum s/h(1/2): C0\_180=0.47 C90\_270=0.47

Maximum s/h(1/4): C0\_180=0.46 C90\_270=0.46

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 91.90%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.923%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/8/01  
Humidity(%): 60.0%

Operator: NT07  
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4224.798	0.000	0	0.00%	0.00%
1.0	4213.679	4.038	4.038	0.28%	0.31%
2.0	4185.953	12.056	16.094	0.84%	1.22%
3.0	4137.599	19.907	36.001	1.39%	2.74%
4.0	4061.154	27.444	63.445	1.92%	4.82%
5.0	3962.105	34.516	97.96	2.41%	7.45%
6.0	3831.892	40.960	138.92	2.86%	10.56%
7.0	3677.539	46.611	185.531	3.26%	14.11%
8.0	3506.288	51.413	236.944	3.59%	18.02%
9.0	3307.604	55.223	292.167	3.86%	22.22%
10.0	3099.191	57.979	350.146	4.05%	26.63%
11.0	2845.569	59.400	409.546	4.15%	31.14%
12.0	2593.703	59.459	469.005	4.16%	35.66%
13.0	2337.593	58.522	527.528	4.09%	40.12%
14.0	2088.946	56.659	584.187	3.96%	44.42%
15.0	1855.149	54.146	638.333	3.78%	48.54%
16.0	1533.670	49.656	687.989	3.47%	52.32%
17.0	1341.665	44.777	732.766	3.13%	55.72%
18.0	1223.705	42.297	775.063	2.96%	58.94%
19.0	1095.768	40.354	815.417	2.82%	62.01%
20.0	974.027	37.883	853.3	2.65%	64.89%
21.0	878.913	35.580	888.88	2.49%	67.59%
22.0	801.078	33.760	922.64	2.36%	70.16%
23.0	740.097	32.338	954.978	2.26%	72.62%
24.0	689.636	31.259	986.237	2.18%	75.00%
25.0	646.110	30.372	1016.609	2.12%	77.31%
26.0	603.148	29.489	1046.098	2.06%	79.55%
27.0	557.361	28.392	1074.49	1.98%	81.71%
28.0	503.945	26.870	1101.36	1.88%	83.75%
29.0	447.675	24.897	1126.257	1.74%	85.64%
30.0	388.897	22.587	1148.845	1.58%	87.36%
31.0	328.055	19.952	1168.796	1.39%	88.88%
32.0	274.156	17.253	1186.049	1.21%	90.19%
33.0	241.778	15.200	1201.249	1.06%	91.35%
34.0	186.965	12.975	1214.224	0.91%	92.33%
35.0	124.038	9.659	1223.882	0.67%	93.07%
36.0	94.755	6.966	1230.849	0.49%	93.60%
37.0	74.331	5.515	1236.363	0.39%	94.02%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	62.751	4.576	1240.939	0.32%	94.37%
39.0	54.953	4.018	1244.957	0.28%	94.67%
40.0	49.035	3.627	1248.583	0.25%	94.95%
41.0	44.345	3.325	1251.908	0.23%	95.20%
42.0	40.066	3.067	1254.975	0.21%	95.43%
43.0	36.767	2.846	1257.821	0.20%	95.65%
44.0	33.570	2.655	1260.476	0.19%	95.85%
45.0	30.519	2.463	1262.939	0.17%	96.04%
46.0	27.747	2.279	1265.218	0.16%	96.21%
47.0	25.340	2.111	1267.329	0.15%	96.37%
48.0	23.504	1.975	1269.304	0.14%	96.52%
49.0	21.902	1.865	1271.168	0.13%	96.66%
50.0	20.600	1.772	1272.94	0.12%	96.80%
51.0	19.481	1.696	1274.636	0.12%	96.93%
52.0	18.588	1.634	1276.27	0.11%	97.05%
53.0	17.805	1.583	1277.853	0.11%	97.17%
54.0	17.023	1.535	1279.388	0.11%	97.29%
55.0	16.372	1.491	1280.879	0.10%	97.40%
56.0	15.677	1.448	1282.327	0.10%	97.51%
57.0	15.062	1.405	1283.732	0.10%	97.62%
58.0	14.470	1.366	1285.098	0.10%	97.72%
59.0	13.892	1.326	1286.424	0.09%	97.82%
60.0	13.365	1.288	1287.712	0.09%	97.92%
61.0	12.853	1.251	1288.963	0.09%	98.02%
62.0	12.392	1.216	1290.179	0.09%	98.11%
63.0	11.961	1.184	1291.364	0.08%	98.20%
64.0	11.529	1.153	1292.516	0.08%	98.29%
65.0	11.134	1.122	1293.638	0.08%	98.37%
66.0	10.775	1.093	1294.731	0.08%	98.46%
67.0	10.432	1.066	1295.797	0.07%	98.54%
68.0	10.088	1.039	1296.837	0.07%	98.62%
69.0	9.803	1.015	1297.851	0.07%	98.69%
70.0	9.546	0.994	1298.845	0.07%	98.77%
71.0	9.327	0.975	1299.821	0.07%	98.84%
72.0	9.115	0.959	1300.78	0.07%	98.92%
73.0	8.895	0.942	1301.721	0.07%	98.99%
74.0	8.676	0.924	1302.645	0.06%	99.06%
75.0	8.464	0.906	1303.551	0.06%	99.13%

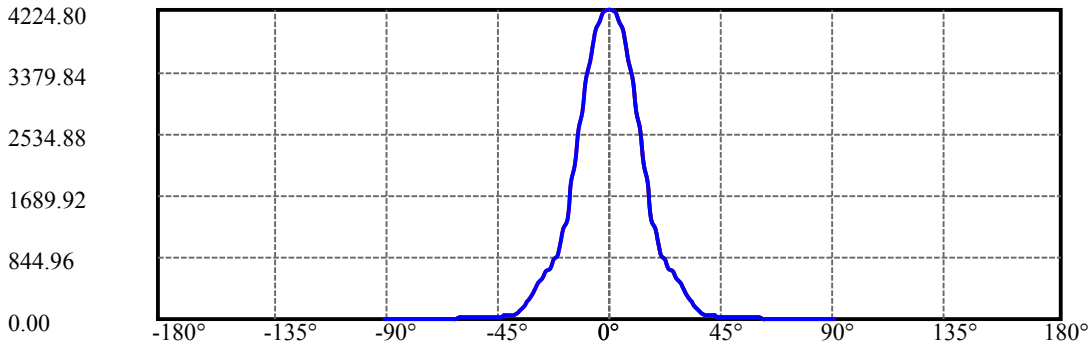
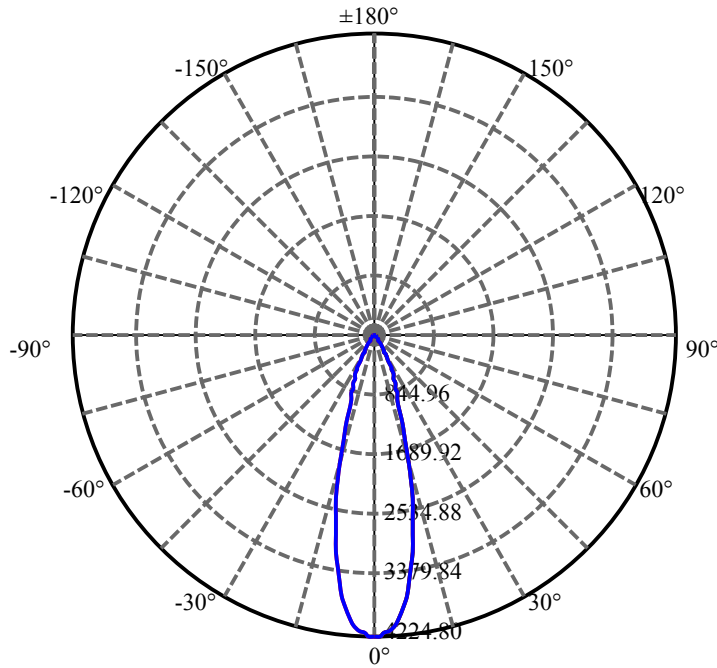
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.266	0.888	1304.439	0.06%	99.19%
77.0	8.054	0.870	1305.309	0.06%	99.26%
78.0	7.864	0.852	1306.161	0.06%	99.33%
79.0	7.659	0.834	1306.995	0.06%	99.39%
80.0	7.469	0.816	1307.811	0.06%	99.45%
81.0	7.301	0.799	1308.609	0.06%	99.51%
82.0	7.125	0.782	1309.392	0.05%	99.57%
83.0	6.950	0.765	1310.157	0.05%	99.63%
84.0	6.781	0.748	1310.905	0.05%	99.69%
85.0	6.620	0.731	1311.636	0.05%	99.74%
86.0	6.459	0.715	1312.351	0.05%	99.80%
87.0	6.298	0.698	1313.049	0.05%	99.85%
88.0	6.101	0.679	1313.729	0.05%	99.90%
89.0	5.925	0.659	1314.388	0.05%	99.95%
90.0	5.801	0.643	1315.031	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1148.84	80.28%	87.36%
0-40	1248.58	87.25%	94.95%
0-60	1287.71	89.99%	97.92%
0-90	1314.39	91.85%	99.95%
0-120	1314.39	91.85%	99.95%
0-180	1315.03	91.90%	100.00%
60-90	26.68	1.86%	2.03%
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%
0-26.21	1052.03	73.52%	80.00%

ZONAL LUMEN SUMMARY

0-10	350.15
10-20	503.15
20-30	295.54
30-40	99.74
40-50	24.36
50-60	14.77
60-70	11.13
70-80	8.97
80-90	6.58
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



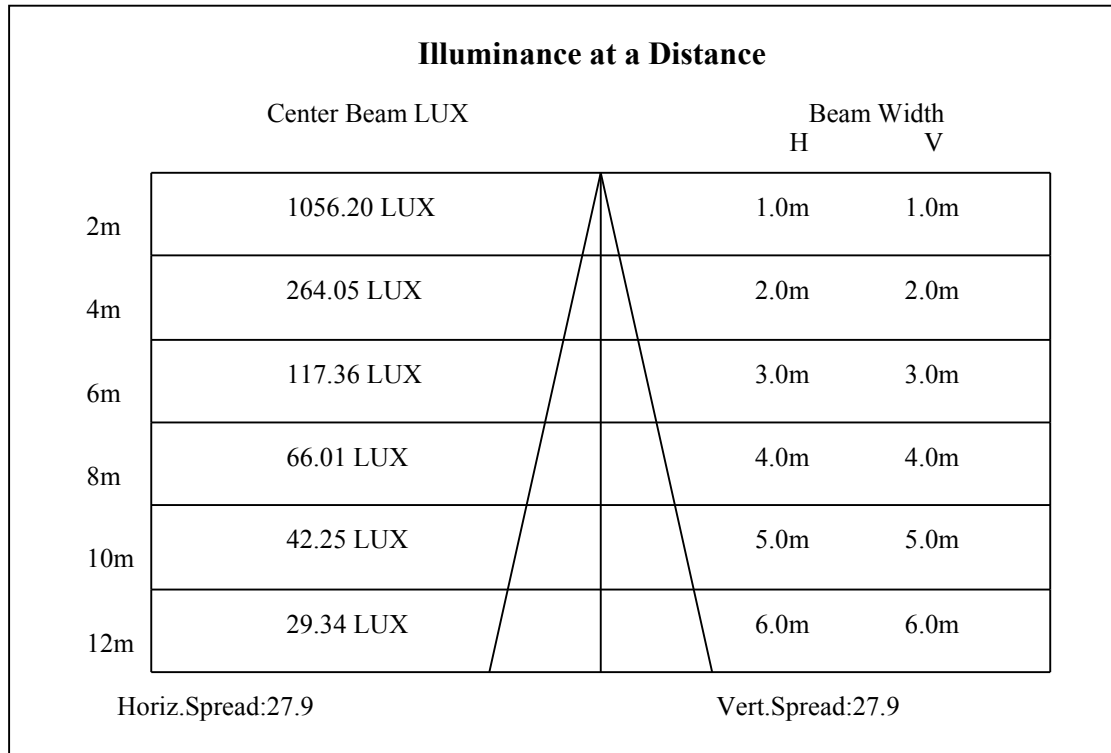
C0(Max): —————

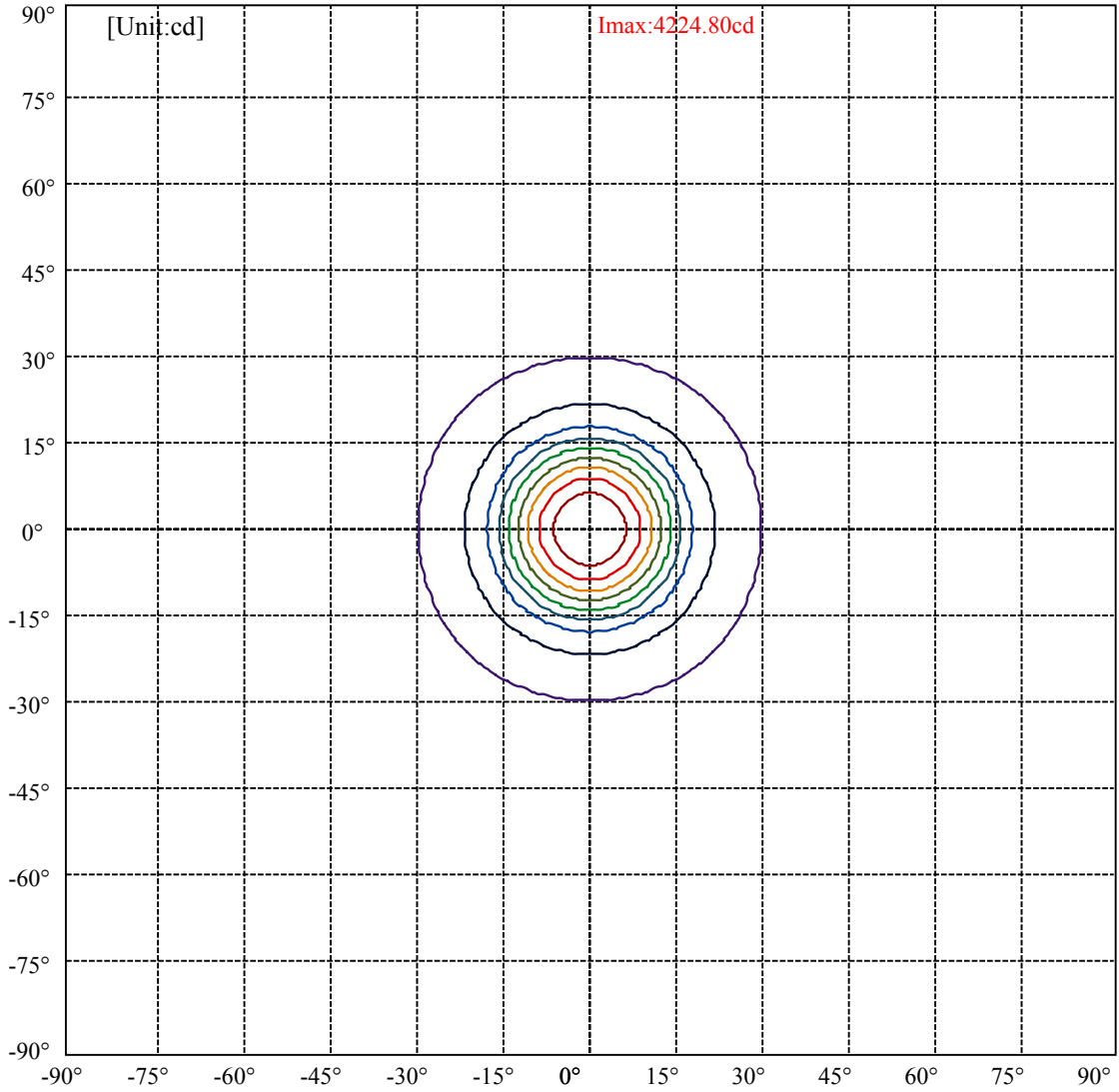
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:29.4 Right:29.4  
:C90/270Left:29.4 Right:29.4

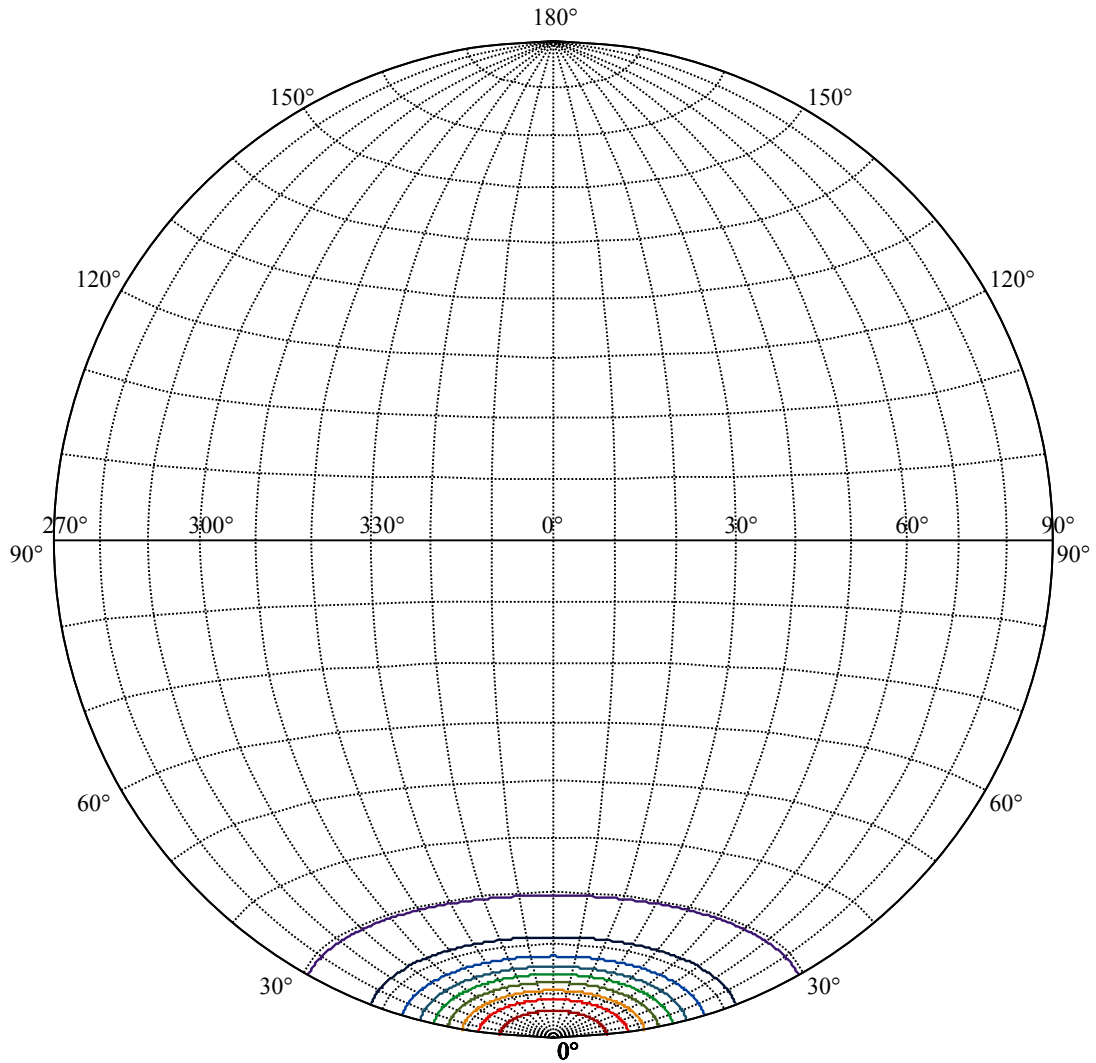
Beam Angle(50%Imax):C0/180Left:13.9 Right:13.9  
:C90/270Left:13.9 Right:13.9





(10%Imax) 422.48	—
(20%Imax) 844.96	—
(30%Imax) 1267.44	—
(40%Imax) 1689.92	—
(50%Imax) 2112.4	—
(60%Imax) 2534.88	—
(70%Imax) 2957.36	—
(80%Imax) 3379.84	—
(90%Imax) 3802.32	—





House

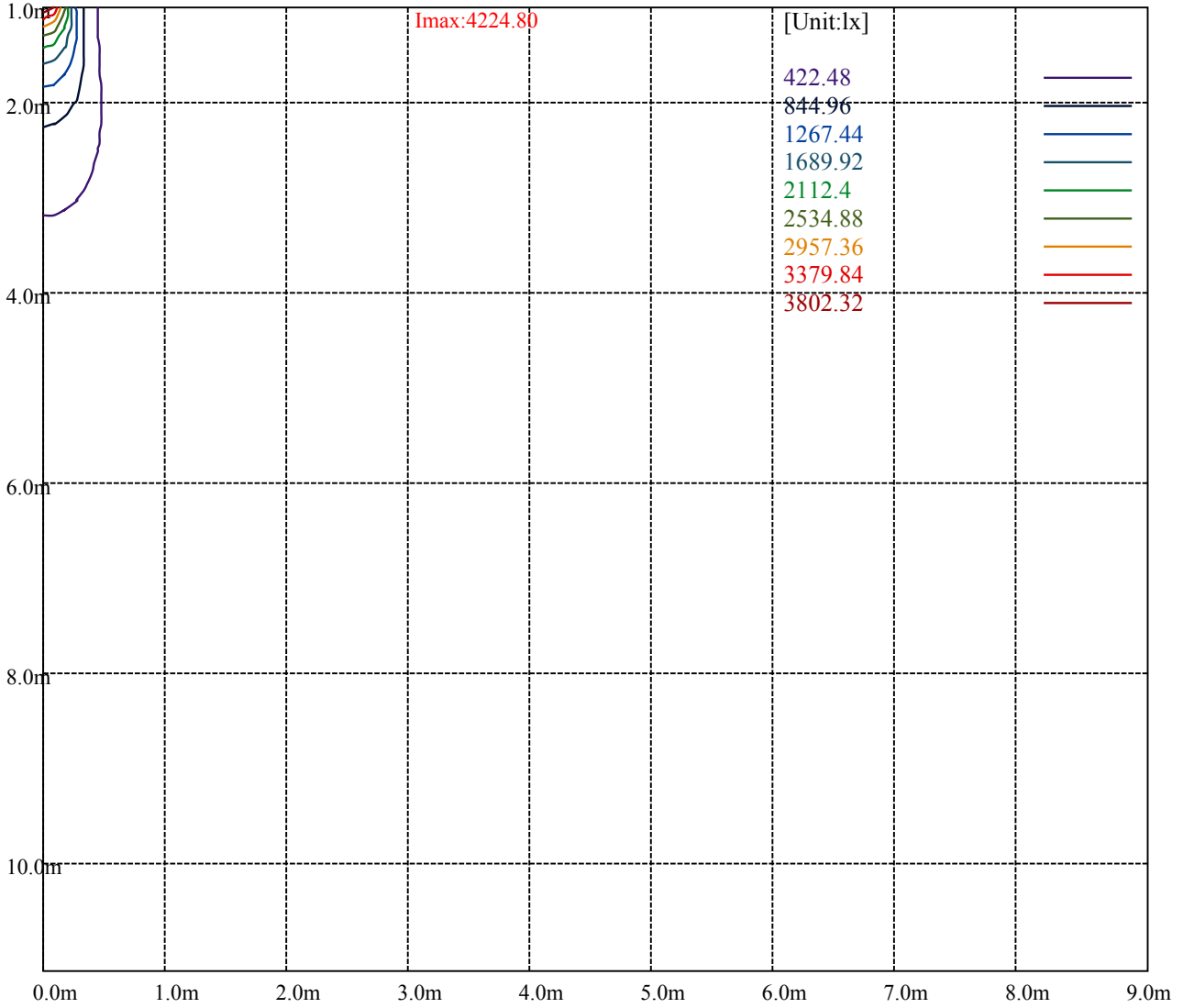
[Unit:cd]

Road

**Imax:4224.80**

(10%Imax)	422.48	—
(20%Imax)	844.96	—
(30%Imax)	1267.44	—
(40%Imax)	1689.92	—
(50%Imax)	2112.4	—
(60%Imax)	2534.88	—
(70%Imax)	2957.36	—
(80%Imax)	3379.84	—
(90%Imax)	3802.32	—





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

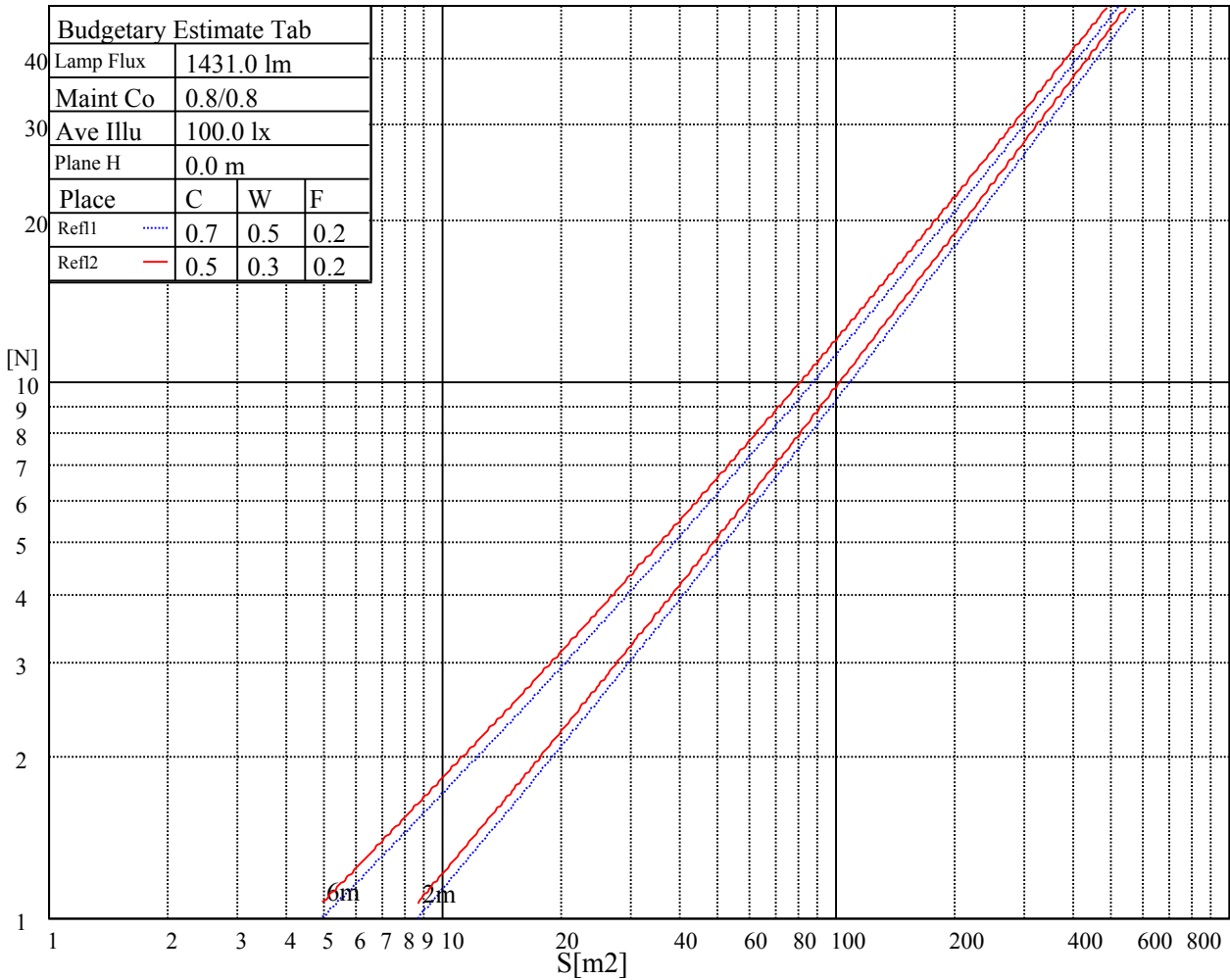
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E					2000	1000	500	$\leq 300$
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

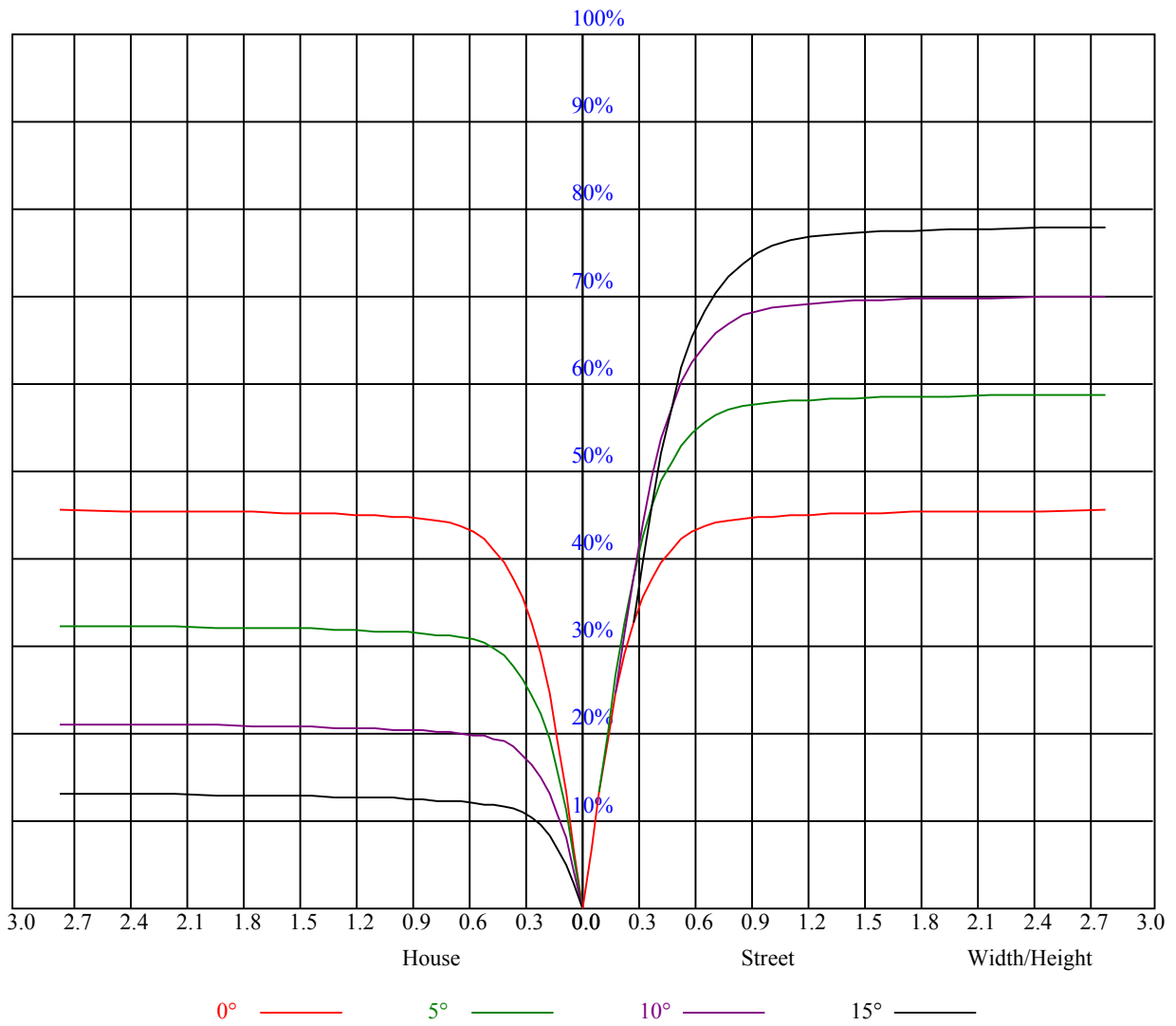


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

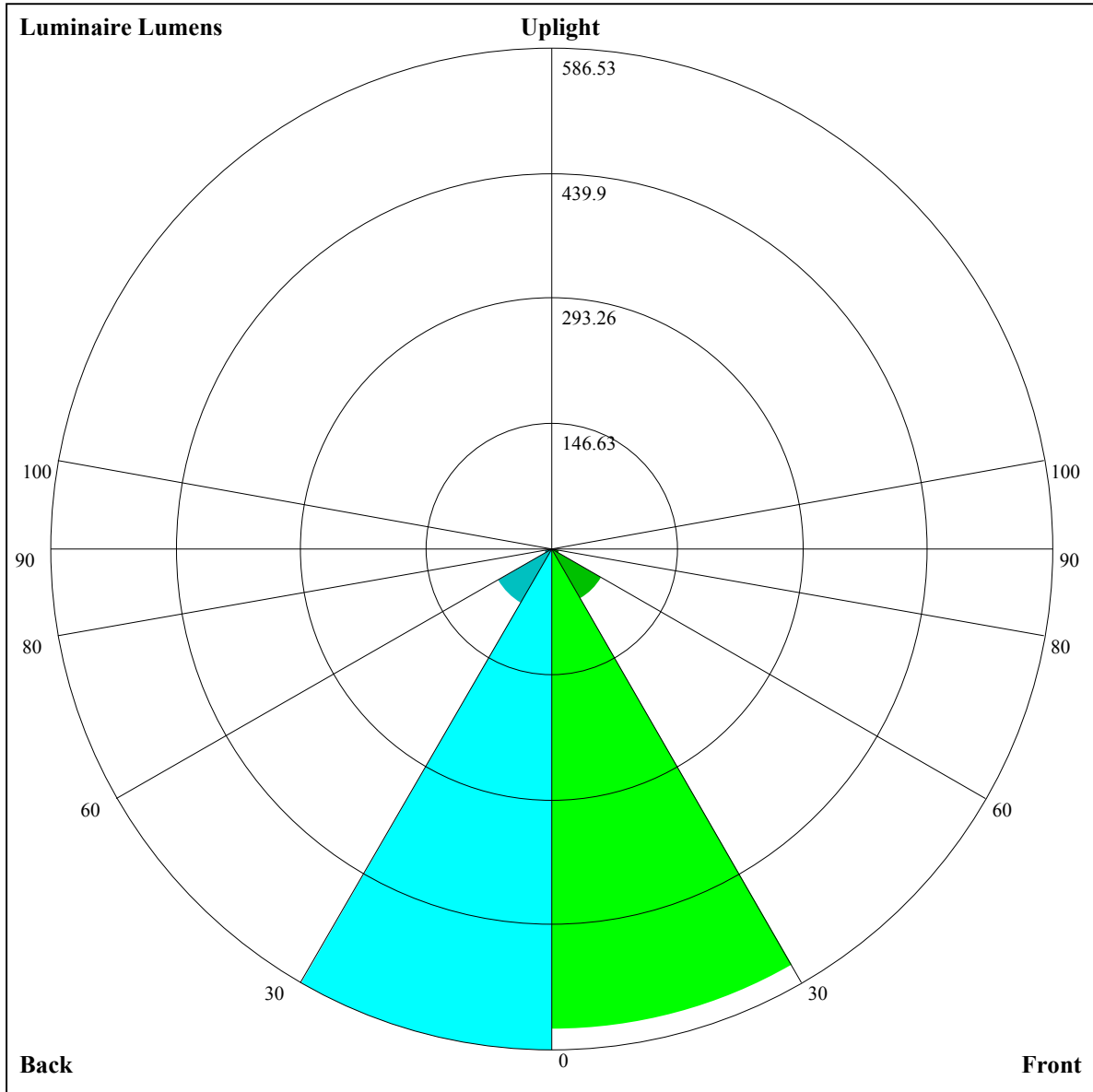
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.09	1.09	1.09	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	1.03	1.01	0.99	1.01	0.99	0.97	0.97	0.95	0.94	0.94	0.92	0.91	0.90	0.90	0.89	0.87
2	0.97	0.94	0.91	0.95	0.92	0.90	0.92	0.90	0.88	0.90	0.88	0.86	0.87	0.86	0.84	0.83
3	0.92	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.81	0.84	0.82	0.80	0.79
4	0.87	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.78	0.81	0.79	0.77	0.75
5	0.83	0.79	0.76	0.83	0.78	0.75	0.81	0.77	0.75	0.80	0.76	0.74	0.78	0.76	0.73	0.72
6	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.69
7	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.67
8	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.71	0.68	0.65	0.64
9	0.71	0.67	0.64	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.62
10	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60







Luminaire Lumens:

FL=562.62,FM=66.37,FH=9.97,FVH=3.58

BL=586.53,BM=72.93,BH=10.02,BVH=3.62

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	4214.26	4181.49	4131.16	4050.40	3936.28	3810.46	3634.89	3469.86	3246.30
45.0	4223.04	4221.87	4200.80	4174.47	4124.14	4044.55	3953.84	3828.60	3662.40
90.0	4233.58	4212.51	4182.08	4141.11	4058.01	3960.28	3852.59	3671.17	3507.31
135.0	4228.31	4234.16	4224.21	4197.29	4143.45	4070.30	3942.13	3809.87	3660.06
180.0	4214.26	4213.68	4206.66	4189.68	4138.18	4079.66	3984.27	3847.33	3700.44
225.0	4223.04	4217.78	4182.66	4137.60	4070.30	3983.69	3835.04	3694.58	3536.57
270.0	4233.58	4232.41	4223.63	4170.96	4102.49	4018.21	3897.07	3723.85	3562.91
315.0	4228.31	4195.54	4136.43	4039.28	3916.38	3729.70	3555.30	3375.05	3174.32
360.0	4214.26	4181.49	4131.16	4050.40	3936.28	3810.46	3634.89	3469.86	3246.30
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3048.50	2829.62	2528.23	2279.51	2044.83	1777.39	1570.22	1144.29	1144.29
45.0	3516.09	3342.28	3087.71	2872.34	2637.67	2394.21	2147.25	1861.66	1638.10
90.0	3327.65	3128.67	2858.30	2621.28	2375.49	2132.62	1848.78	1631.08	1144.70
135.0	3439.43	3248.64	3040.30	2748.28	2516.53	2285.36	2052.44	1766.27	1558.51
180.0	3477.47	3289.02	3081.27	2785.73	2531.16	2284.78	2048.35	1763.93	1547.39
225.0	3346.38	3061.96	2831.38	2579.73	2266.05	2023.77	1784.99	1360.71	1159.04
270.0	3382.66	3185.44	2907.46	2662.25	2360.86	2113.89	1872.19	1597.72	1397.58
315.0	2922.67	2707.89	2429.91	2200.50	1968.17	1699.55	1516.96	1143.71	1143.71
360.0	3048.50	2829.62	2528.23	2279.51	2044.83	1777.39	1570.22	1144.29	1144.29
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1092.44	1000.73	917.87	844.01	769.57	717.60	669.79	628.65	576.56
45.0	1392.89	1236.64	1098.53	965.68	878.48	811.18	738.61	689.45	644.98
90.0	1144.70	1079.80	959.94	846.59	776.89	705.55	660.08	621.39	583.35
135.0	1377.09	1224.93	1073.95	969.78	865.61	800.06	747.98	691.79	652.00
180.0	1349.00	1189.24	1030.05	934.08	850.98	783.67	732.76	676.58	633.27
225.0	1159.04	1002.78	904.47	825.05	763.48	699.99	654.57	617.47	572.99
270.0	1220.84	1076.87	935.25	843.95	772.56	715.20	661.36	624.49	593.48
315.0	1053.64	955.15	872.16	802.17	731.06	687.52	651.94	619.05	568.55
360.0	1092.44	1000.73	917.87	844.01	769.57	717.60	669.79	628.65	576.56
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	527.70	460.16	404.98	348.09	278.92	227.18	178.55	125.59	94.28
45.0	601.67	539.05	486.97	429.03	370.51	298.52	298.52	232.33	134.78
90.0	526.18	475.96	424.23	369.63	301.98	250.94	201.32	157.43	112.13
135.0	613.37	569.48	505.11	451.27	393.33	338.90	299.69	299.69	174.16
180.0	592.89	549.58	484.04	429.61	373.43	316.08	303.79	238.13	154.03
225.0	523.43	474.79	417.21	344.93	288.81	235.08	174.69	133.96	94.98
270.0	548.41	503.35	455.95	390.99	337.73	298.52	298.52	170.01	130.04
315.0	525.24	459.17	402.93	347.62	279.74	228.00	179.14	138.58	97.91
360.0	527.70	460.16	404.98	348.09	278.92	227.18	178.55	125.59	94.28
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	73.62	61.62	54.89	47.81	43.25	39.21	34.94	32.07	28.85
45.0	100.54	76.20	58.99	51.62	45.94	40.38	36.87	33.94	31.25
90.0	86.55	69.93	58.70	52.79	47.05	43.13	39.85	36.81	33.18
135.0	134.66	96.85	78.30	67.53	59.11	53.43	47.64	43.60	40.09
180.0	118.51	88.19	73.33	63.09	56.88	51.56	45.71	41.90	38.57
225.0	75.67	64.02	57.64	51.09	46.29	42.31	38.98	35.41	32.66
270.0	90.94	72.10	61.86	55.36	48.57	44.01	40.26	37.22	33.65
315.0	77.54	65.72	58.29	50.33	45.18	40.73	36.28	33.18	30.31
360.0	73.62	61.62	54.89	47.81	43.25	39.21	34.94	32.07	28.85

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	26.51	24.64	22.77	21.54	20.48	19.61	18.84	18.26	17.85
45.0	27.86	25.34	23.23	21.65	20.07	19.14	18.38	17.97	17.62
90.0	30.14	27.51	25.16	22.94	21.54	20.42	19.14	18.26	17.44
135.0	36.75	32.83	29.85	27.21	25.16	23.12	21.65	20.42	19.37
180.0	35.41	31.60	28.85	26.51	24.64	22.65	21.19	20.01	18.96
225.0	29.73	27.21	24.76	23.12	21.24	20.07	18.96	17.79	16.91
270.0	30.61	27.68	24.81	23.17	21.36	20.01	18.84	17.85	16.74
315.0	27.15	25.16	23.29	21.89	20.72	19.78	18.84	18.14	17.56
360.0	26.51	24.64	22.77	21.54	20.48	19.61	18.84	18.26	17.85
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.38	16.97	16.33	15.80	15.16	14.57	14.05	13.34	12.93
45.0	17.09	16.68	16.27	15.68	15.10	14.51	13.99	13.28	12.76
90.0	16.62	16.04	15.45	14.81	14.34	13.69	12.99	12.58	12.11
135.0	18.20	17.38	16.44	15.80	15.16	14.46	13.93	13.46	12.87
180.0	17.79	16.91	16.04	15.39	14.63	14.10	13.64	13.23	12.76
225.0	16.09	15.45	14.63	14.10	13.58	13.11	12.58	12.17	11.76
270.0	16.04	15.27	14.63	13.99	13.46	12.93	12.52	12.06	11.70
315.0	16.97	16.27	15.63	14.92	14.34	13.75	13.23	12.70	12.23
360.0	17.38	16.97	16.33	15.80	15.16	14.57	14.05	13.34	12.93
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	12.52	11.94	11.53	11.18	10.83	10.42	10.18	9.95	9.77
45.0	12.29	11.82	11.35	10.83	10.48	10.07	9.77	9.54	9.31
90.0	11.65	11.18	10.77	10.42	10.18	9.83	9.54	9.36	9.13
135.0	12.47	12.11	11.65	11.24	10.77	10.48	10.12	9.71	9.42
180.0	12.41	12.06	11.70	11.41	11.06	10.77	10.53	10.24	10.01
225.0	11.35	11.00	10.59	10.36	10.01	9.77	9.42	9.19	9.01
270.0	11.18	10.89	10.65	10.36	10.07	9.77	9.54	9.25	9.07
315.0	11.82	11.24	10.83	10.42	10.07	9.60	9.31	9.13	8.90
360.0	12.52	11.94	11.53	11.18	10.83	10.42	10.18	9.95	9.77
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	9.48	9.25	9.01	8.78	8.60	8.31	8.13	7.90	7.72
45.0	9.13	8.95	8.72	8.54	8.37	8.19	8.02	7.78	7.61
90.0	8.95	8.66	8.49	8.31	8.08	7.90	7.67	7.55	7.32
135.0	9.19	8.95	8.72	8.49	8.31	8.13	7.96	7.72	7.61
180.0	9.77	9.60	9.36	9.13	8.90	8.72	8.54	8.31	8.08
225.0	8.84	8.60	8.37	8.19	7.96	7.72	7.55	7.32	7.14
270.0	8.90	8.72	8.49	8.25	8.08	7.84	7.61	7.43	7.20
315.0	8.66	8.43	8.25	8.02	7.84	7.61	7.43	7.26	7.08
360.0	9.48	9.25	9.01	8.78	8.60	8.31	8.13	7.90	7.72
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.49	7.32	7.14	6.96	6.79	6.61	6.38	6.14	5.79
45.0	7.43	7.26	7.02	6.91	6.73	6.50	6.38	6.14	5.97
90.0	7.20	7.02	6.79	6.67	6.50	6.38	6.20	6.03	5.91
135.0	7.43	7.20	7.02	6.85	6.67	6.55	6.38	6.20	6.09
180.0	7.90	7.67	7.61	7.32	7.14	6.91	6.79	6.50	6.32
225.0	7.02	6.85	6.67	6.55	6.38	6.26	6.09	5.97	5.74
270.0	7.02	6.91	6.73	6.55	6.44	6.26	6.14	5.97	5.85
315.0	6.91	6.79	6.61	6.44	6.32	6.20	6.03	5.85	5.74
360.0	7.49	7.32	7.14	6.96	6.79	6.61	6.38	6.14	5.79

Intensity data(cd)

<i>C/γ(°)</i>	<b>90.0</b>
<b>0.0</b>	<b>5.79</b>
<b>45.0</b>	<b>5.79</b>
<b>90.0</b>	<b>5.79</b>
<b>135.0</b>	<b>5.91</b>
<b>180.0</b>	<b>5.85</b>
<b>225.0</b>	<b>5.74</b>
<b>270.0</b>	<b>5.79</b>
<b>315.0</b>	<b>5.74</b>
<b>360.0</b>	<b>5.79</b>