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NT

Client:

LumCAT: 2-2685-L

Luminaire: 92.70.411.00

Report No: 2024403-B016

Ballast type: AC

Test No: 2024403-C016

Voltage(V): 0.000

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.000

Lamp flux(lm): 3438.0

Power (W): 0.000

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2950.49, Efficiency(%): 85.82% , Luminous Efficacy(lm/W): 0.00

Central intensity(cd): 4897.953, Maximum intensity(cd): 4897.953

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=46.0

[C90/270]Total=46.0

Field angle(10%Imax): [C0/180]Total=70.6

[C90/270]Total=70.6

Maximum s/h(1/2): C0_180=0.73 C90_270=0.73

Maximum s/h(1/4): C0_180=0.73 C90_270=0.73

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.82%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.906%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/03
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	4897.953	0.000	0	0.00%	0.00%
1.0	4895.246	4.686	4.686	0.14%	0.16%
2.0	4875.787	14.024	18.71	0.41%	0.63%
3.0	4850.330	23.262	41.972	0.68%	1.42%
4.0	4813.973	32.350	74.321	0.94%	2.52%
5.0	4777.470	41.262	115.583	1.20%	3.92%
6.0	4729.262	49.960	165.544	1.45%	5.61%
7.0	4671.105	58.348	223.892	1.70%	7.59%
8.0	4606.803	66.400	290.292	1.93%	9.84%
9.0	4525.823	74.015	364.307	2.15%	12.35%
10.0	4426.774	81.018	445.324	2.36%	15.09%
11.0	4321.360	87.412	532.736	2.54%	18.06%
12.0	4213.166	93.295	626.031	2.71%	21.22%
13.0	4094.366	98.589	724.62	2.87%	24.56%
14.0	3964.519	103.153	827.773	3.00%	28.06%
15.0	3827.284	106.969	934.743	3.11%	31.68%
16.0	3677.027	109.959	1044.702	3.20%	35.41%
17.0	3521.869	112.106	1156.808	3.26%	39.21%
18.0	3356.397	113.408	1270.216	3.30%	43.05%
19.0	3180.756	113.733	1383.949	3.31%	46.91%
20.0	2985.730	112.864	1496.813	3.28%	50.73%
21.0	2816.161	111.408	1608.221	3.24%	54.51%
22.0	2641.252	109.669	1717.89	3.19%	58.22%
23.0	2452.005	106.870	1824.76	3.11%	61.85%
24.0	2286.825	103.608	1928.368	3.01%	65.36%
25.0	2119.963	100.201	2028.569	2.91%	68.75%
26.0	1963.269	96.385	2124.954	2.80%	72.02%
27.0	1798.382	92.030	2216.983	2.68%	75.14%
28.0	1597.723	85.982	2302.966	2.50%	78.05%
29.0	1359.909	77.380	2380.346	2.25%	80.68%
30.0	1246.090	70.361	2450.707	2.05%	83.06%
31.0	1106.968	65.482	2516.189	1.90%	85.28%
32.0	954.451	59.057	2575.247	1.72%	87.28%
33.0	801.985	51.745	2626.992	1.51%	89.04%
34.0	653.879	44.059	2671.051	1.28%	90.53%
35.0	522.613	36.538	2707.588	1.06%	91.77%
36.0	401.011	29.408	2736.996	0.86%	92.76%
37.0	297.609	22.785	2759.781	0.66%	93.54%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	244.032	18.079	2777.861	0.53%	94.15%
39.0	196.080	15.022	2792.883	0.44%	94.66%
40.0	110.447	10.691	2803.573	0.31%	95.02%
41.0	93.080	7.247	2810.821	0.21%	95.27%
42.0	82.583	6.382	2817.203	0.19%	95.48%
43.0	74.850	5.832	2823.035	0.17%	95.68%
44.0	68.179	5.398	2828.433	0.16%	95.86%
45.0	62.663	5.028	2833.462	0.15%	96.03%
46.0	58.757	4.748	2838.21	0.14%	96.19%
47.0	55.026	4.525	2842.735	0.13%	96.35%
48.0	52.041	4.328	2847.064	0.13%	96.49%
49.0	49.225	4.159	2851.222	0.12%	96.64%
50.0	46.694	3.999	2855.221	0.12%	96.77%
51.0	44.484	3.858	2859.079	0.11%	96.90%
52.0	42.202	3.720	2862.799	0.11%	97.03%
53.0	40.242	3.586	2866.385	0.10%	97.15%
54.0	38.493	3.470	2869.855	0.10%	97.27%
55.0	37.067	3.373	2873.228	0.10%	97.38%
56.0	35.596	3.283	2876.512	0.10%	97.49%
57.0	34.258	3.194	2879.706	0.09%	97.60%
58.0	32.831	3.102	2882.808	0.09%	97.71%
59.0	31.449	3.005	2885.813	0.09%	97.81%
60.0	30.081	2.907	2888.72	0.08%	97.91%
61.0	28.691	2.805	2891.525	0.08%	98.00%
62.0	27.308	2.698	2894.223	0.08%	98.09%
63.0	25.940	2.590	2896.813	0.08%	98.18%
64.0	24.784	2.489	2899.302	0.07%	98.26%
65.0	23.702	2.400	2901.701	0.07%	98.35%
66.0	22.751	2.318	2904.019	0.07%	98.42%
67.0	21.939	2.247	2906.266	0.07%	98.50%
68.0	21.134	2.182	2908.448	0.06%	98.57%
69.0	20.512	2.125	2910.572	0.06%	98.65%
70.0	20.271	2.095	2912.667	0.06%	98.72%
71.0	20.256	2.095	2914.762	0.06%	98.79%
72.0	20.337	2.111	2916.872	0.06%	98.86%
73.0	20.424	2.131	2919.004	0.06%	98.93%
74.0	20.505	2.152	2921.156	0.06%	99.01%
75.0	20.505	2.167	2923.322	0.06%	99.08%

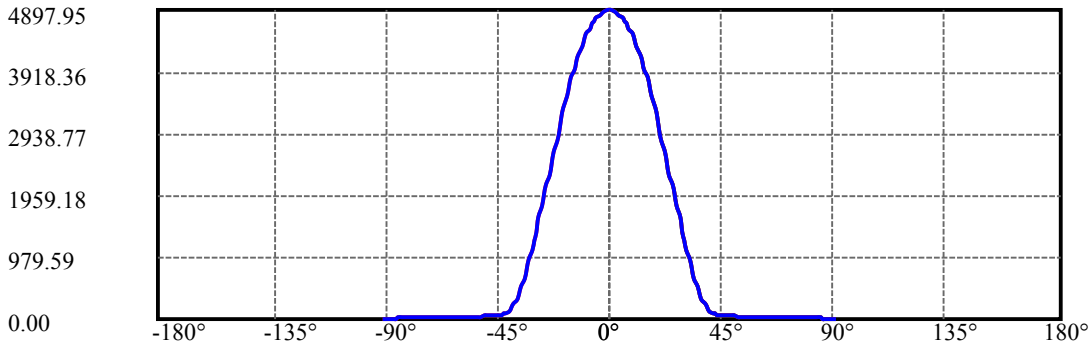
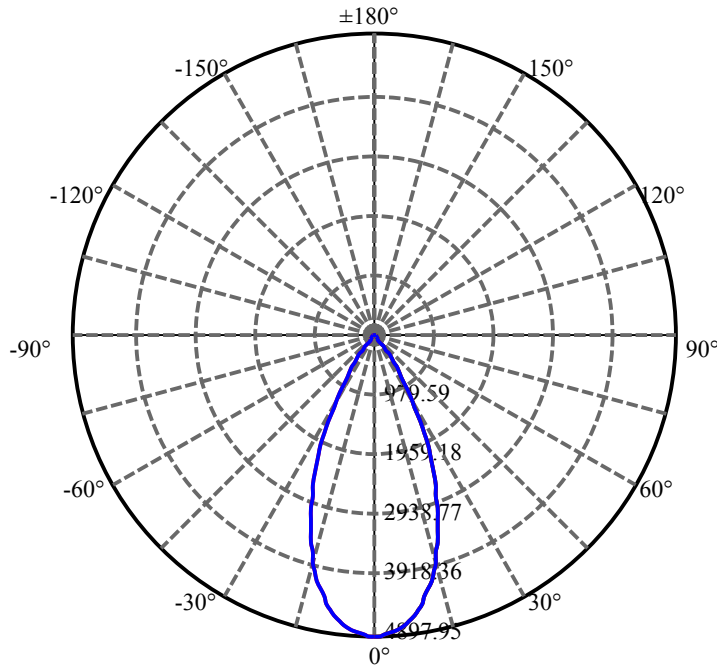
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.424	2.173	2925.495	0.06%	99.15%
77.0	20.285	2.170	2927.666	0.06%	99.23%
78.0	20.088	2.161	2929.827	0.06%	99.30%
79.0	19.803	2.143	2931.97	0.06%	99.37%
80.0	19.364	2.112	2934.082	0.06%	99.44%
81.0	18.727	2.060	2936.141	0.06%	99.51%
82.0	17.827	1.982	2938.124	0.06%	99.58%
83.0	16.701	1.877	2940.001	0.05%	99.64%
84.0	15.391	1.748	2941.749	0.05%	99.70%
85.0	14.258	1.618	2943.367	0.05%	99.76%
86.0	13.467	1.515	2944.883	0.04%	99.81%
87.0	13.043	1.451	2946.334	0.04%	99.86%
88.0	12.729	1.412	2947.745	0.04%	99.91%
89.0	12.495	1.383	2949.128	0.04%	99.95%
90.0	12.436	1.367	2950.495	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2450.71	71.28%	83.06%
0-40	2803.57	81.55%	95.02%
0-60	2888.72	84.02%	97.91%
0-90	2949.13	85.78%	99.95%
0-120	2949.13	85.78%	99.95%
0-180	2950.49	85.82%	100.00%
60-90	60.41	1.76%	2.05%
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%
0-28.74	2360.40	68.66%	80.00%

ZONAL LUMEN SUMMARY

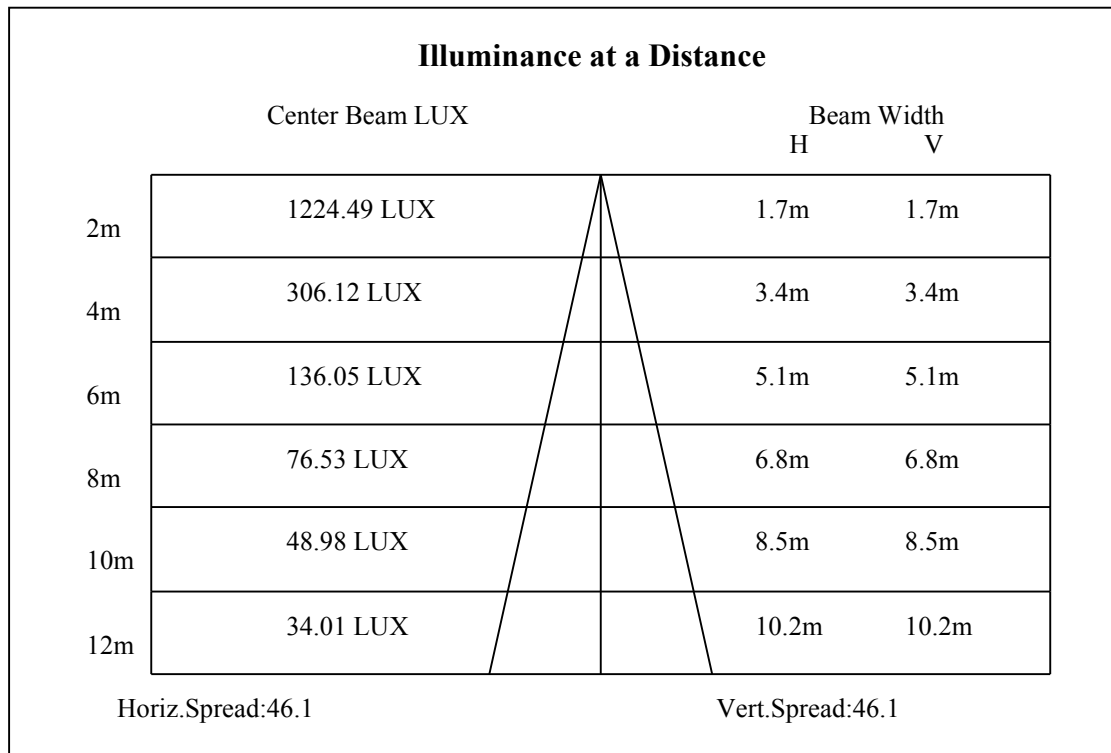
0-10	445.32
10-20	1051.49
20-30	953.89
30-40	352.87
40-50	51.65
50-60	33.50
60-70	23.95
70-80	21.41
80-90	15.05
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

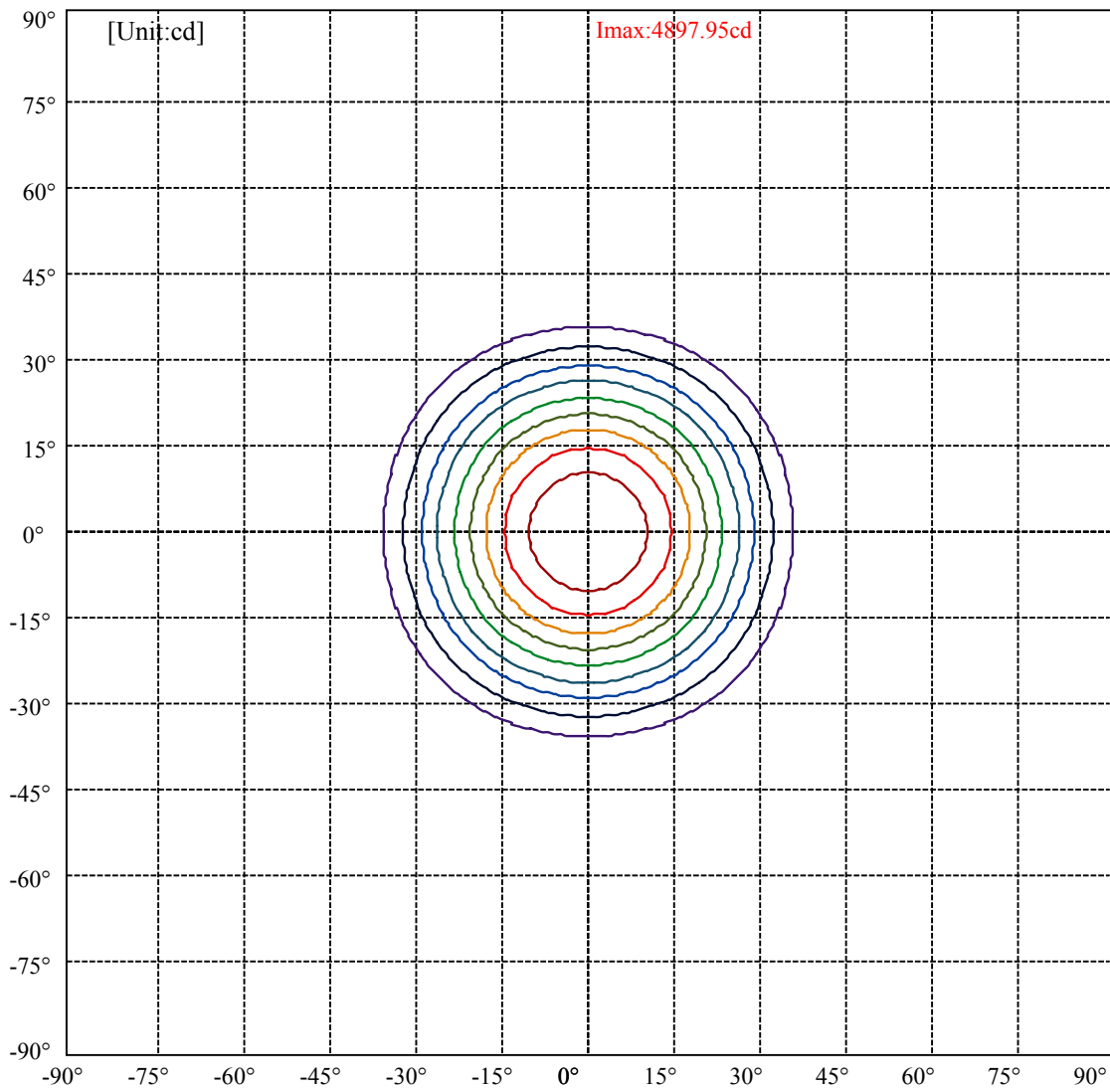


C0(Max): ———
C0/C180: ———
C90/C270: ———

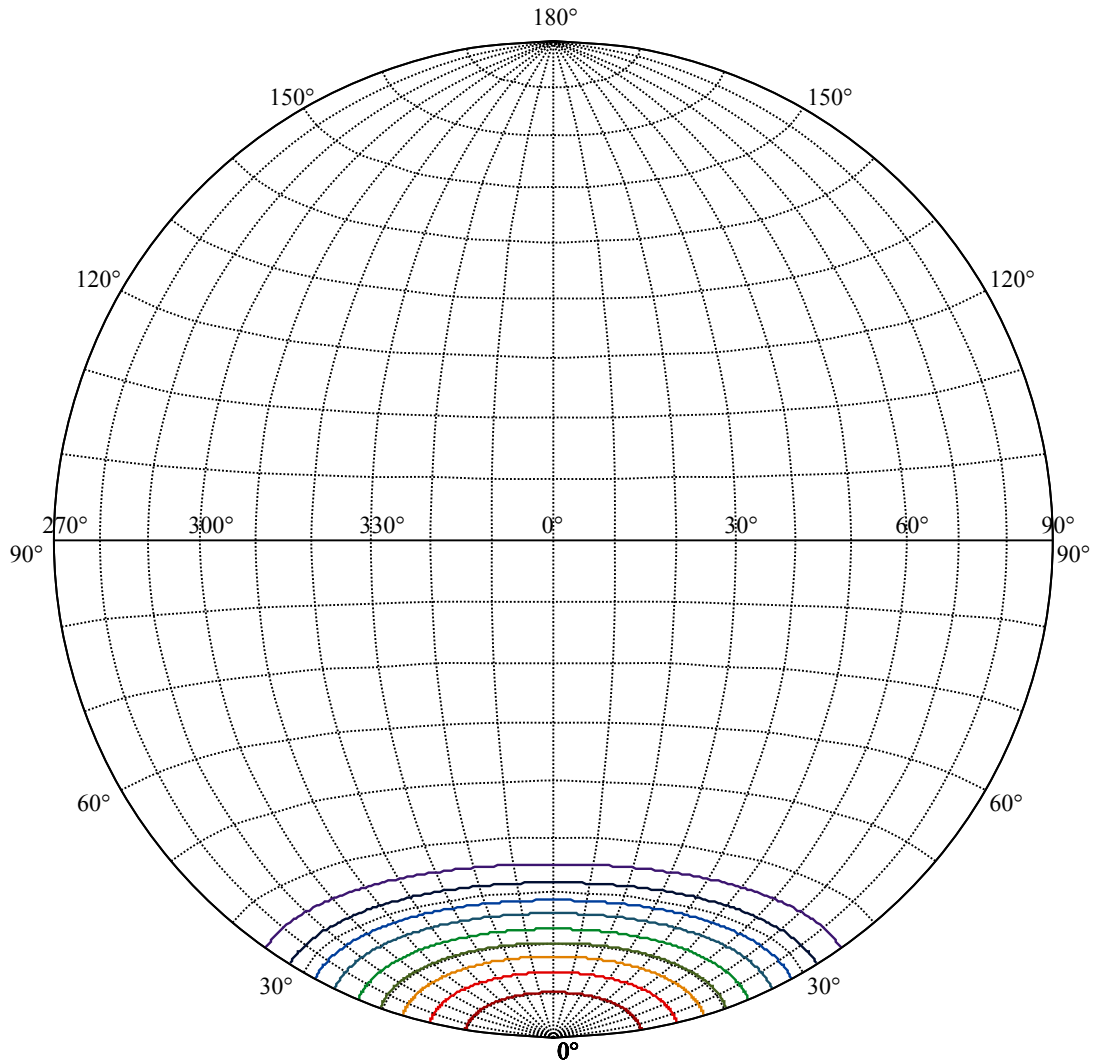
Field angle(10%Imax):C0/180Left:35.3 Right:35.3
:C90/270Left:35.3 Right:35.3

Beam Angle(50%Imax):C0/180Left:23.0 Right:23.0
:C90/270Left:23.0 Right:23.0





(10%Imax) 489.795	—
(20%Imax) 979.591	—
(30%Imax) 1469.39	—
(40%Imax) 1959.18	—
(50%Imax) 2448.98	—
(60%Imax) 2938.77	—
(70%Imax) 3428.57	—
(80%Imax) 3918.36	—
(90%Imax) 4408.16	—



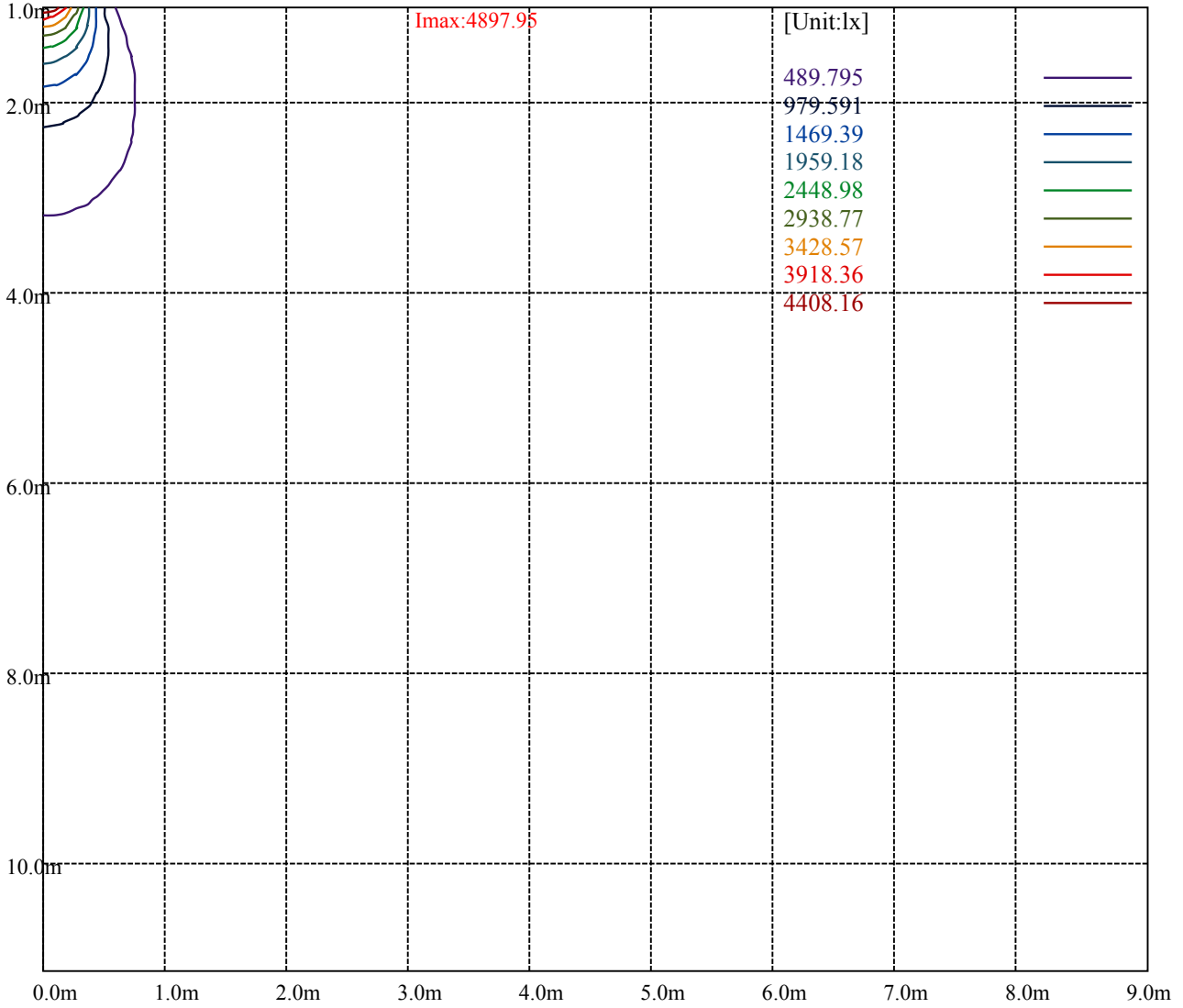
House

[Unit:cd]

Road

Imax:4897.95

(10%Imax) 489.795	—
(20%Imax) 979.591	—
(30%Imax) 1469.39	—
(40%Imax) 1959.18	—
(50%Imax) 2448.98	—
(60%Imax) 2938.77	—
(70%Imax) 3428.57	—
(80%Imax) 3918.36	—
(90%Imax) 4408.16	—



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

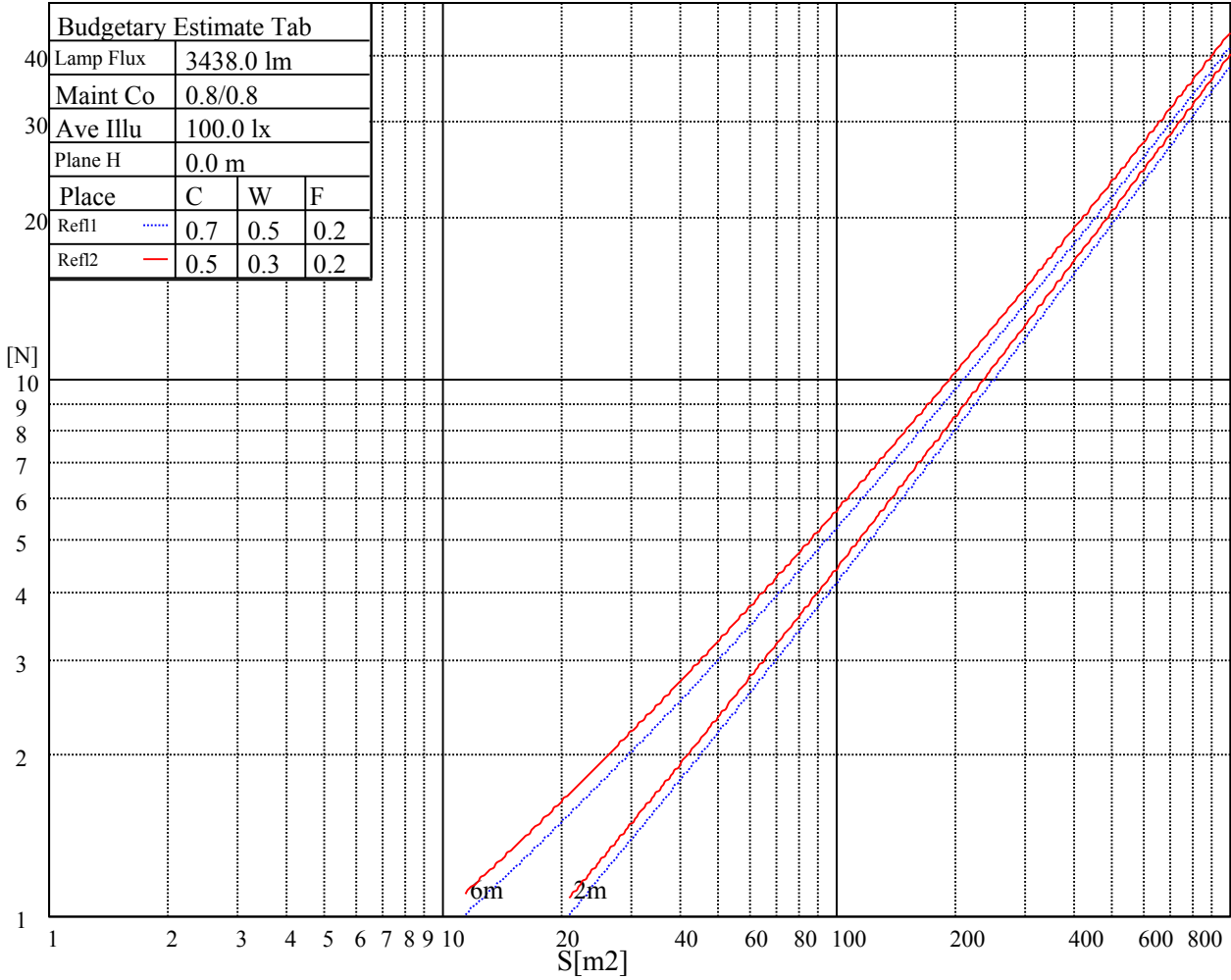
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

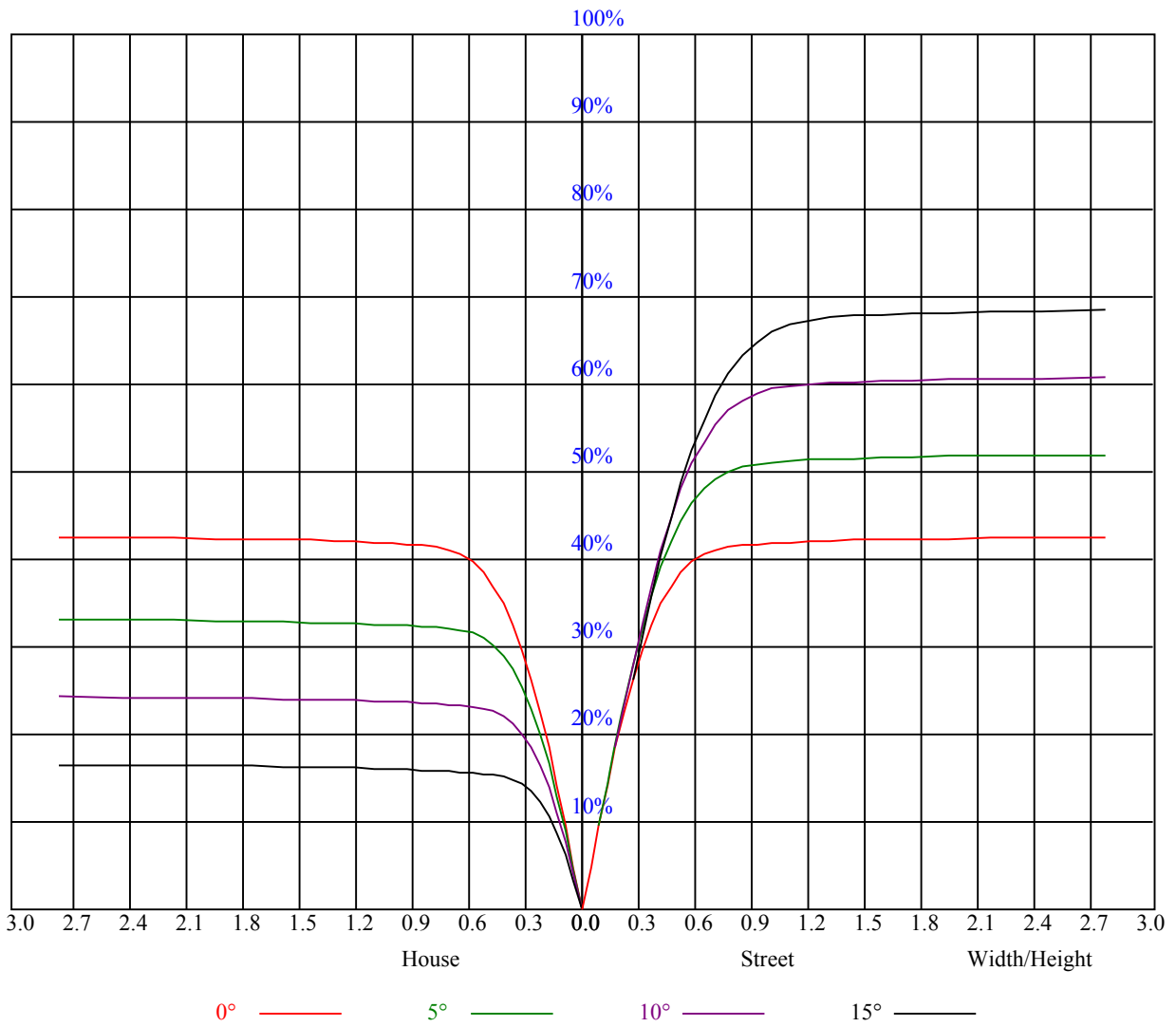


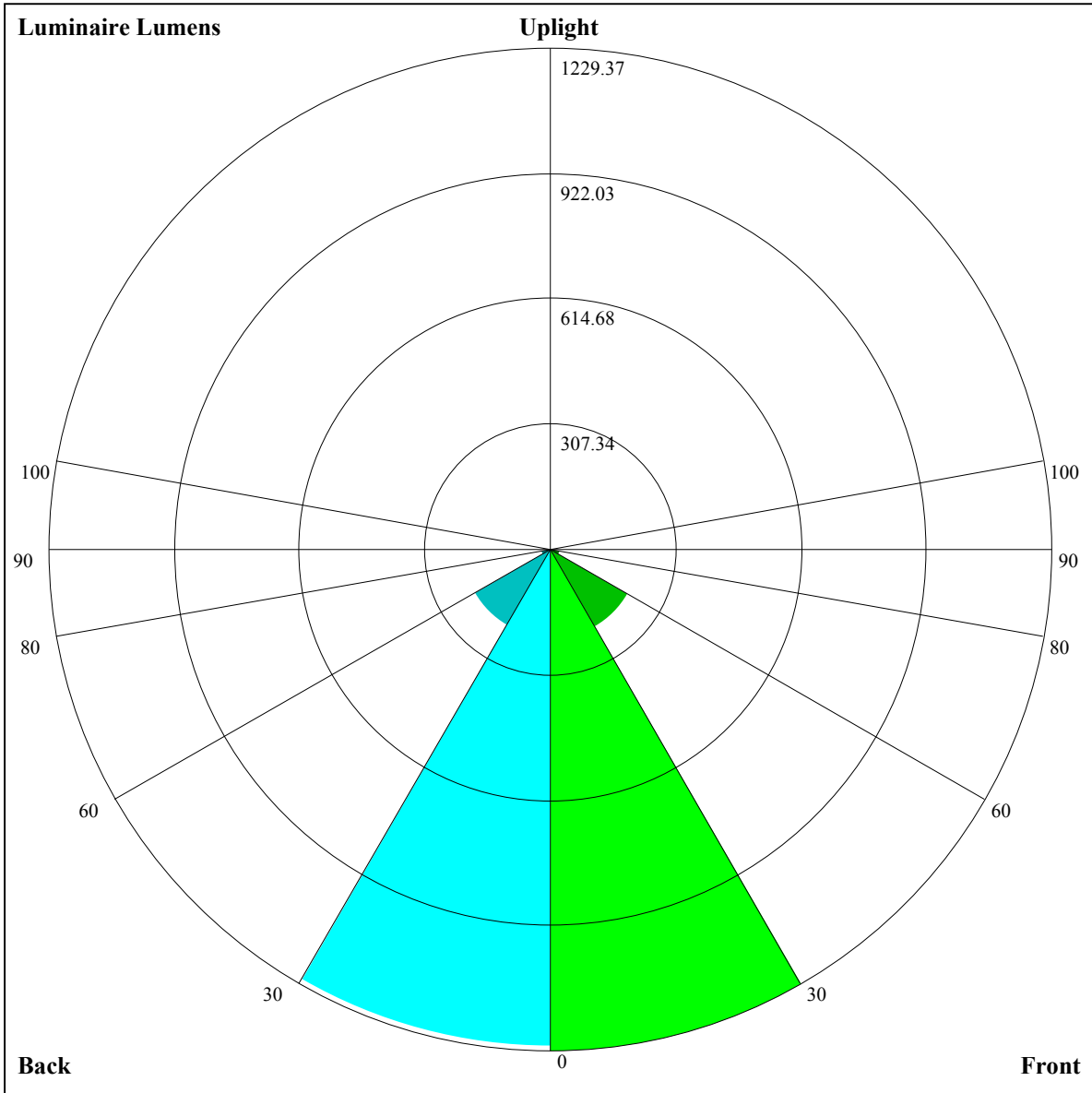
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	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	
8H	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 RHOF=20 CU															
0	1.02	1.02	1.02	1.00	1.00	1.00	0.95	0.95	0.95	0.91	0.91	0.91	0.88	0.88	0.88	0.86
1	0.95	0.93	0.91	0.93	0.91	0.90	0.90	0.88	0.87	0.87	0.86	0.84	0.84	0.83	0.82	0.80
2	0.89	0.86	0.83	0.88	0.85	0.82	0.85	0.82	0.80	0.82	0.80	0.79	0.80	0.78	0.77	0.76
3	0.84	0.80	0.77	0.83	0.79	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.76	0.74	0.73	0.71
4	0.79	0.75	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.69	0.73	0.71	0.68	0.67
5	0.75	0.70	0.67	0.74	0.70	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
6	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.60
7	0.67	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.57
8	0.64	0.59	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.54
9	0.61	0.56	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.52
10	0.58	0.54	0.51	0.58	0.54	0.51	0.57	0.53	0.51	0.57	0.53	0.50	0.56	0.53	0.50	0.49





Luminaire Lumens:

FL=1229.37,FM=220.91,FH=22.65,FVH=8.26

BL=1220.04,BM=216.89,BH=22.71,BVH=8.17

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	4898.98	4890.20	4869.13	4832.85	4795.98	4756.18	4711.70	4662.55	4598.76
45.0	4899.56	4902.49	4890.20	4871.47	4837.53	4800.66	4764.38	4718.14	4652.60
90.0	4898.39	4892.54	4862.69	4838.11	4794.22	4764.38	4714.63	4644.40	4580.61
135.0	4894.88	4901.32	4888.44	4863.86	4838.11	4804.76	4771.40	4718.14	4661.38
180.0	4898.98	4899.56	4886.69	4865.62	4828.16	4789.54	4738.63	4680.10	4618.65
225.0	4899.56	4886.10	4857.43	4827.58	4789.54	4746.23	4683.61	4611.05	4537.89
270.0	4898.39	4904.83	4897.81	4875.57	4840.45	4809.44	4761.45	4707.02	4643.23
315.0	4894.88	4884.93	4853.91	4827.58	4787.78	4748.57	4688.30	4627.43	4561.30
360.0	4898.98	4890.20	4869.13	4832.85	4795.98	4756.18	4711.70	4662.55	4598.76
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4513.31	4417.92	4293.85	4193.78	4083.17	3931.60	3804.02	3671.17	3485.66
45.0	4589.98	4516.24	4434.31	4316.68	4216.60	4102.49	3955.59	3813.97	3676.44
90.0	4501.02	4381.64	4281.56	4175.64	4064.45	3909.95	3775.93	3632.55	3478.64
135.0	4580.03	4502.19	4395.10	4273.96	4172.71	4060.35	3934.53	3768.91	3623.77
180.0	4544.92	4430.80	4337.16	4230.65	4109.51	3967.30	3830.36	3702.78	3527.79
225.0	4444.84	4327.80	4223.63	4114.78	3959.69	3833.87	3689.90	3511.41	3353.98
270.0	4571.25	4470.01	4371.10	4266.93	4128.82	4012.36	3887.71	3723.26	3582.81
315.0	4461.23	4367.59	4234.16	4132.92	4019.97	3898.24	3740.23	3592.17	3445.86
360.0	4513.31	4417.92	4293.85	4193.78	4083.17	3931.60	3804.02	3671.17	3485.66
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3332.33	3168.47	3005.77	2831.96	2617.18	2453.32	2299.41	2115.06	1967.58
45.0	3495.61	3344.62	3134.52	2968.90	2799.19	2630.06	2437.52	2274.24	2121.50
90.0	3284.34	3116.38	2903.94	2734.81	2568.03	2362.61	2207.53	2053.61	1901.45
135.0	3466.93	3308.92	3108.19	2933.79	2758.81	2548.13	2389.53	2195.24	2042.49
180.0	3365.10	3194.80	2980.61	2814.41	2642.93	2435.18	2283.02	2126.18	1935.40
225.0	3188.95	2977.10	2800.36	2629.47	2464.44	2265.46	2116.82	1964.07	1814.26
270.0	3432.99	3262.10	3045.57	2881.12	2710.82	2539.94	2338.62	2189.97	2036.64
315.0	3284.93	3073.66	2906.87	2734.81	2568.61	2381.34	2222.16	2041.32	1886.82
360.0	3332.33	3168.47	3005.77	2831.96	2617.18	2453.32	2299.41	2115.06	1967.58
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1809.57	1608.26	1331.45	1135.45	1096.83	948.65	805.85	640.47	519.39
45.0	1967.00	1769.19	1610.60	1450.83	1255.37	1107.89	955.15	776.65	640.88
90.0	1700.14	1537.44	1144.70	1144.70	1030.76	887.67	744.11	607.52	453.84
135.0	1884.48	1680.82	1516.96	1360.12	1205.62	1016.01	868.53	728.08	596.40
180.0	1785.58	1621.72	1459.02	1262.39	1106.72	958.66	812.94	645.56	526.76
225.0	1615.86	1337.30	1144.17	1144.17	957.37	814.05	646.91	525.30	413.99
270.0	1885.07	1693.11	1529.84	1328.52	1172.85	1020.11	839.86	697.06	567.73
315.0	1739.35	1533.93	1142.53	1142.53	1030.23	882.58	742.53	610.39	461.92
360.0	1809.57	1608.26	1331.45	1135.45	1096.83	948.65	805.85	640.47	519.39
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	405.03	304.79	201.55	140.98	108.68	94.34	82.63	74.85	68.88
45.0	517.40	375.77	300.86	300.86	134.78	100.25	89.48	80.88	73.74
90.0	347.68	238.54	168.66	122.60	95.51	85.68	77.54	70.64	64.14
135.0	447.76	341.83	317.25	317.25	118.51	99.25	86.85	79.01	70.87
180.0	389.23	317.25	317.25	147.89	106.45	93.58	82.34	74.91	67.94
225.0	293.84	215.30	156.02	111.66	94.75	84.86	76.72	68.82	63.91
270.0	448.34	320.76	297.94	297.94	121.90	96.27	85.74	77.54	69.35
315.0	358.80	266.63	192.71	129.45	103.00	90.42	79.36	72.16	66.60
360.0	405.03	304.79	201.55	140.98	108.68	94.34	82.63	74.85	68.88

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	62.74	58.76	54.60	51.91	49.39	46.41	44.36	42.31	40.56
45.0	65.84	61.39	57.76	54.54	51.15	48.69	46.41	43.83	41.84
90.0	59.81	56.30	53.20	49.98	47.58	45.30	43.37	40.97	39.33
135.0	64.55	60.51	57.00	54.02	50.74	48.16	45.76	43.54	41.20
180.0	63.26	59.40	55.30	52.49	49.92	47.46	44.71	42.66	40.32
225.0	59.69	56.18	52.38	49.80	47.29	44.54	42.49	40.15	38.62
270.0	64.43	60.10	55.71	52.73	49.51	47.11	45.00	42.90	40.56
315.0	60.98	57.41	54.25	50.86	48.22	45.88	43.77	41.26	39.50
360.0	62.74	58.76	54.60	51.91	49.39	46.41	44.36	42.31	40.56
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	38.51	37.10	35.76	34.41	33.07	31.43	29.85	28.56	27.27
45.0	39.68	38.22	36.75	35.41	33.83	32.54	31.31	30.08	28.44
90.0	37.45	36.11	34.94	33.36	32.01	30.78	29.26	27.92	26.57
135.0	39.50	37.98	36.34	35.11	33.42	32.19	30.90	29.55	27.92
180.0	38.80	37.34	35.70	34.41	33.01	31.43	30.20	28.85	27.56
225.0	37.10	35.76	34.24	32.95	31.66	30.49	28.85	27.51	26.28
270.0	38.92	37.45	36.11	34.76	33.30	31.95	30.78	29.20	27.86
315.0	37.98	36.58	34.94	33.65	32.36	30.78	29.50	27.86	26.57
360.0	38.51	37.10	35.76	34.41	33.07	31.43	29.85	28.56	27.27
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.87	24.76	23.70	22.88	21.95	21.07	20.54	20.31	20.31
45.0	27.10	25.93	24.58	23.58	22.77	21.77	20.95	20.48	20.37
90.0	25.40	23.99	23.06	22.24	21.54	20.66	20.31	20.25	20.37
135.0	26.57	25.40	24.40	23.23	22.41	21.65	20.78	20.54	20.48
180.0	26.04	24.93	23.88	23.00	22.12	21.36	20.72	20.48	20.48
225.0	24.93	23.88	22.94	22.00	21.24	20.60	20.25	20.19	20.25
270.0	26.28	25.22	24.11	22.94	22.12	21.30	20.54	20.07	19.96
315.0	25.34	24.17	22.94	22.12	21.36	20.66	20.01	19.84	19.84
360.0	25.87	24.76	23.70	22.88	21.95	21.07	20.54	20.31	20.31
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.37	20.42	20.48	20.48	20.42	20.25	20.01	19.72	19.25
45.0	20.42	20.48	20.66	20.72	20.72	20.66	20.48	20.31	20.01
90.0	20.54	20.72	20.83	20.83	20.78	20.54	20.25	19.90	19.49
135.0	20.60	20.66	20.83	20.89	20.83	20.78	20.66	20.48	20.19
180.0	20.54	20.66	20.72	20.72	20.66	20.54	20.42	20.19	19.55
225.0	20.37	20.48	20.48	20.37	20.19	20.01	19.72	19.25	18.61
270.0	19.96	20.01	20.07	20.13	20.01	19.90	19.72	19.43	19.14
315.0	19.90	19.96	19.96	19.90	19.78	19.61	19.43	19.14	18.67
360.0	20.37	20.42	20.48	20.48	20.42	20.25	20.01	19.72	19.25
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	18.79	18.02	16.91	15.39	14.51	13.64	13.28	12.87	12.52
45.0	19.66	18.90	17.73	16.44	15.10	13.93	13.28	12.99	12.64
90.0	18.67	17.38	15.98	14.81	13.81	13.17	12.87	12.64	12.41
135.0	19.31	18.43	17.32	15.57	14.34	13.52	12.99	12.76	12.52
180.0	18.96	17.97	16.68	15.39	13.99	13.17	12.93	12.64	12.41
225.0	17.97	16.97	15.68	14.63	13.58	13.05	12.76	12.52	12.47
270.0	18.67	17.67	17.09	16.09	14.69	13.81	13.17	12.82	12.58
315.0	17.79	17.26	16.21	14.81	14.05	13.46	13.05	12.58	12.41
360.0	18.79	18.02	16.91	15.39	14.51	13.64	13.28	12.87	12.52

Intensity data(cd)

C/γ(°)	90.0
0.0	12.47
45.0	12.47
90.0	12.41
135.0	12.41
180.0	12.41
225.0	12.41
270.0	12.47
315.0	12.47
360.0	12.47