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NT

Client:

LumCAT: 2-2645-L

Luminaire: 92.70.412.000

Report No: 20231101-B024

Ballast type: AC

Test No: 20231101-C024

Voltage(V): 35.190

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.451

Lamp flux(lm): 2563.2

Power (W): 15.870

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2418.56, Efficiency(%): 94.36% , Luminous Efficacy(lm/W): 152.40

Central intensity(cd): 5179.575, Maximum intensity(cd): 5179.575

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=39.8

[C90/270]Total=39.8

Field angle(10%Imax): [C0/180]Total=63.4

[C90/270]Total=63.4

Maximum s/h(1/2): C0_180=0.65 C90_270=0.65

Maximum s/h(1/4): C0_180=0.63 C90_270=0.63

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 94.36%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.083%

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/01
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5179.575	0.000	0	0.00%	0.00%
1.0	5167.605	4.951	4.951	0.19%	0.20%
2.0	5136.607	14.790	19.741	0.58%	0.82%
3.0	5095.645	24.472	44.213	0.95%	1.83%
4.0	5034.617	33.909	78.122	1.32%	3.23%
5.0	4966.879	43.026	121.148	1.68%	5.01%
6.0	4878.590	51.741	172.888	2.02%	7.15%
7.0	4784.765	59.980	232.869	2.34%	9.63%
8.0	4678.002	67.723	300.592	2.64%	12.43%
9.0	4569.440	74.945	375.537	2.92%	15.53%
10.0	4446.901	81.595	457.132	3.18%	18.90%
11.0	4324.638	87.646	544.778	3.42%	22.52%
12.0	4183.348	93.004	637.782	3.63%	26.37%
13.0	4025.660	97.420	735.202	3.80%	30.40%
14.0	3859.045	100.924	836.126	3.94%	34.57%
15.0	3674.510	103.424	939.55	4.03%	38.85%
16.0	3474.407	104.752	1044.301	4.09%	43.18%
17.0	3261.988	104.904	1149.205	4.09%	47.52%
18.0	3030.540	103.750	1252.955	4.05%	51.81%
19.0	2793.558	101.327	1354.283	3.95%	56.00%
20.0	2567.023	98.114	1452.396	3.83%	60.05%
21.0	2328.242	93.999	1546.395	3.67%	63.94%
22.0	2106.827	89.125	1635.52	3.48%	67.62%
23.0	1890.395	83.872	1719.392	3.27%	71.09%
24.0	1696.726	78.427	1797.82	3.06%	74.33%
25.0	1452.084	71.597	1869.417	2.79%	77.29%
26.0	1261.190	64.047	1933.464	2.50%	79.94%
27.0	1146.823	58.913	1992.376	2.30%	82.38%
28.0	996.489	54.264	2046.641	2.12%	84.62%
29.0	847.941	48.256	2094.896	1.88%	86.62%
30.0	718.926	42.305	2137.201	1.65%	88.37%
31.0	599.998	36.704	2173.905	1.43%	89.88%
32.0	486.752	31.134	2205.039	1.21%	91.17%
33.0	376.245	25.424	2230.463	0.99%	92.22%
34.0	288.164	20.107	2250.57	0.78%	93.05%
35.0	229.053	16.063	2266.633	0.63%	93.72%
36.0	179.145	12.997	2279.63	0.51%	94.26%
37.0	125.058	9.921	2289.552	0.39%	94.67%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	101.629	7.567	2297.118	0.30%	94.98%
39.0	88.559	6.492	2303.61	0.25%	95.25%
40.0	79.225	5.852	2309.461	0.23%	95.49%
41.0	70.804	5.342	2314.804	0.21%	95.71%
42.0	63.864	4.893	2319.697	0.19%	95.91%
43.0	57.609	4.500	2324.196	0.18%	96.10%
44.0	52.697	4.163	2328.36	0.16%	96.27%
45.0	48.303	3.882	2332.241	0.15%	96.43%
46.0	44.573	3.632	2335.873	0.14%	96.58%
47.0	41.218	3.412	2339.285	0.13%	96.72%
48.0	38.492	3.222	2342.508	0.13%	96.86%
49.0	35.980	3.058	2345.566	0.12%	96.98%
50.0	33.828	2.911	2348.476	0.11%	97.10%
51.0	31.863	2.779	2351.256	0.11%	97.22%
52.0	30.119	2.660	2353.915	0.10%	97.33%
53.0	28.562	2.553	2356.468	0.10%	97.43%
54.0	27.227	2.459	2358.927	0.10%	97.53%
55.0	25.995	2.376	2361.303	0.09%	97.63%
56.0	24.895	2.300	2363.602	0.09%	97.73%
57.0	23.940	2.233	2365.835	0.09%	97.82%
58.0	23.082	2.175	2368.01	0.08%	97.91%
59.0	22.280	2.121	2370.131	0.08%	98.00%
60.0	21.526	2.070	2372.2	0.08%	98.08%
61.0	20.910	2.025	2374.225	0.08%	98.17%
62.0	20.294	1.985	2376.211	0.08%	98.25%
63.0	19.699	1.945	2378.156	0.08%	98.33%
64.0	19.152	1.906	2380.062	0.07%	98.41%
65.0	18.654	1.871	2381.933	0.07%	98.49%
66.0	18.156	1.837	2383.77	0.07%	98.56%
67.0	17.679	1.802	2385.572	0.07%	98.64%
68.0	17.215	1.768	2387.339	0.07%	98.71%
69.0	16.807	1.736	2389.075	0.07%	98.78%
70.0	16.371	1.704	2390.779	0.07%	98.85%
71.0	16.004	1.673	2392.452	0.07%	98.92%
72.0	15.596	1.643	2394.095	0.06%	98.99%
73.0	15.257	1.613	2395.708	0.06%	99.06%
74.0	14.904	1.586	2397.294	0.06%	99.12%
75.0	14.530	1.555	2398.849	0.06%	99.19%

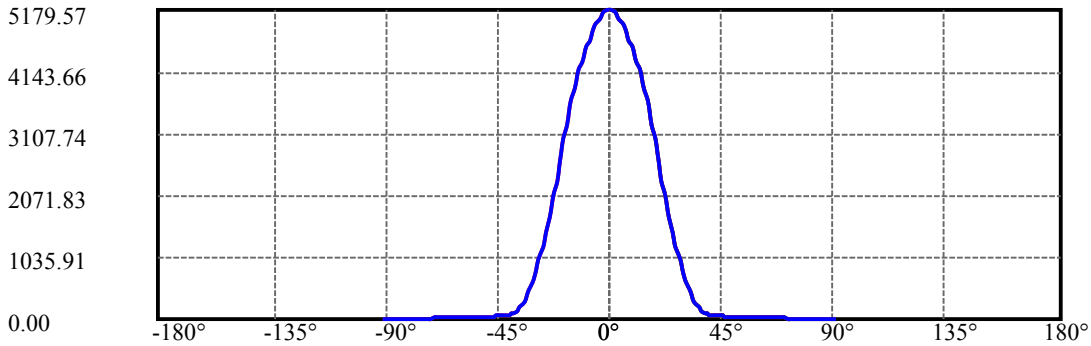
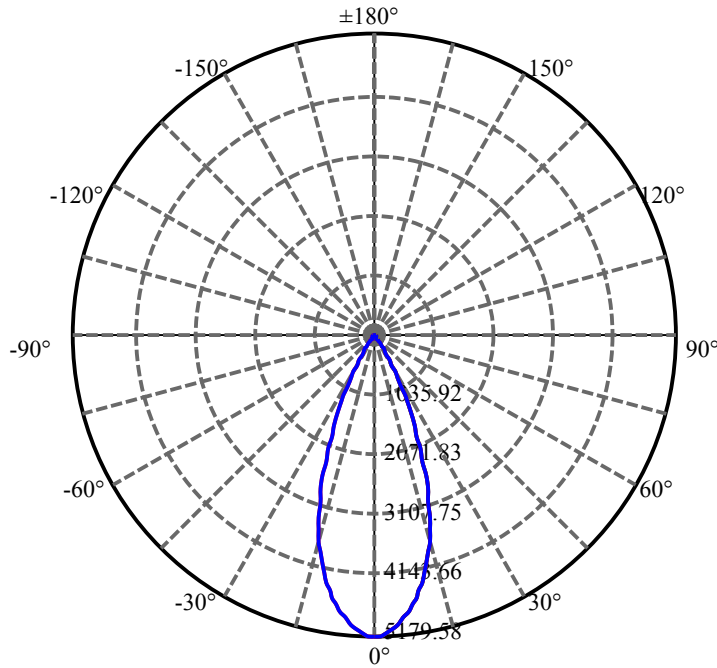
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.191	1.525	2400.374	0.06%	99.25%
77.0	13.838	1.494	2401.868	0.06%	99.31%
78.0	13.492	1.463	2403.331	0.06%	99.37%
79.0	13.140	1.431	2404.762	0.06%	99.43%
80.0	12.801	1.398	2406.161	0.05%	99.49%
81.0	12.489	1.368	2407.528	0.05%	99.54%
82.0	12.178	1.338	2408.866	0.05%	99.60%
83.0	11.839	1.306	2410.172	0.05%	99.65%
84.0	11.541	1.274	2411.445	0.05%	99.71%
85.0	11.271	1.245	2412.69	0.05%	99.76%
86.0	11.036	1.219	2413.91	0.05%	99.81%
87.0	10.801	1.195	2415.105	0.05%	99.86%
88.0	10.566	1.170	2416.275	0.05%	99.91%
89.0	10.358	1.147	2417.422	0.04%	99.95%
90.0	10.317	1.134	2418.556	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2137.20	83.38%	88.37%
0-40	2309.46	90.10%	95.49%
0-60	2372.20	92.55%	98.08%
0-90	2417.42	94.31%	99.95%
0-120	2417.42	94.31%	99.95%
0-180	2418.56	94.36%	100.00%
60-90	45.22	1.76%	1.87%
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%
0-26.02	1934.85	75.49%	80.00%

ZONAL LUMEN SUMMARY

0-10	457.13
10-20	995.26
20-30	684.80
30-40	172.26
40-50	39.02
50-60	23.72
60-70	18.58
70-80	15.38
80-90	11.26
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: —————

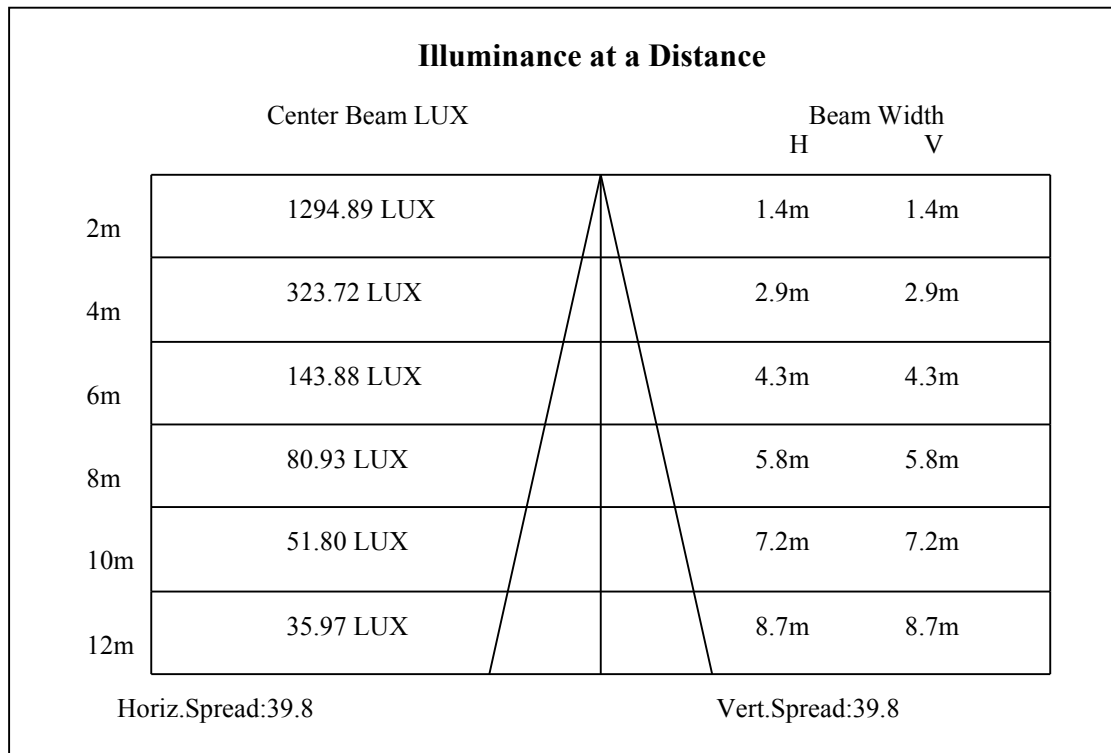
C90/C270: —————

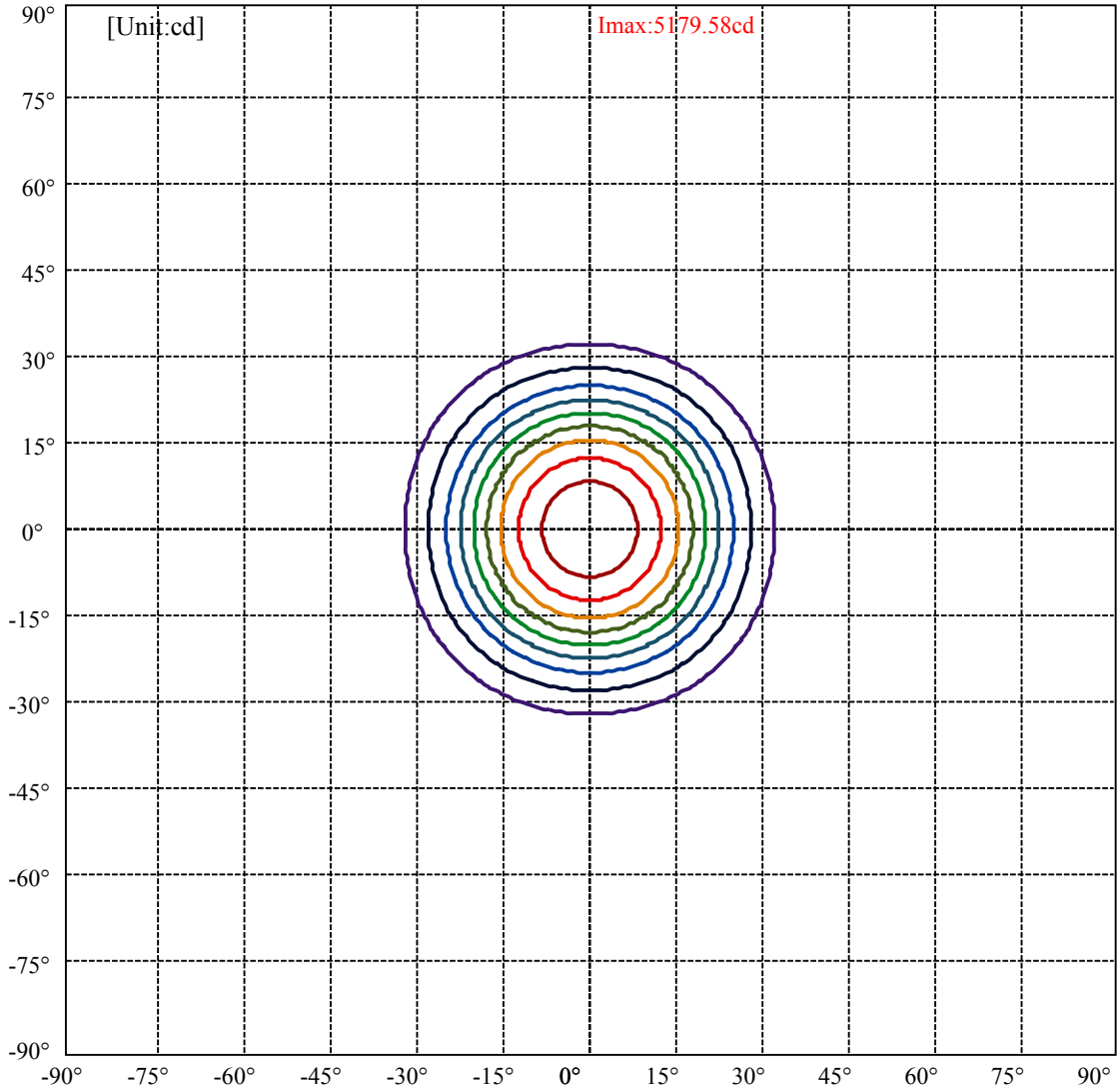
Field angle(10%Imax):C0/180Left:31.7 Right:31.7

:C90/270Left:31.7 Right:31.7

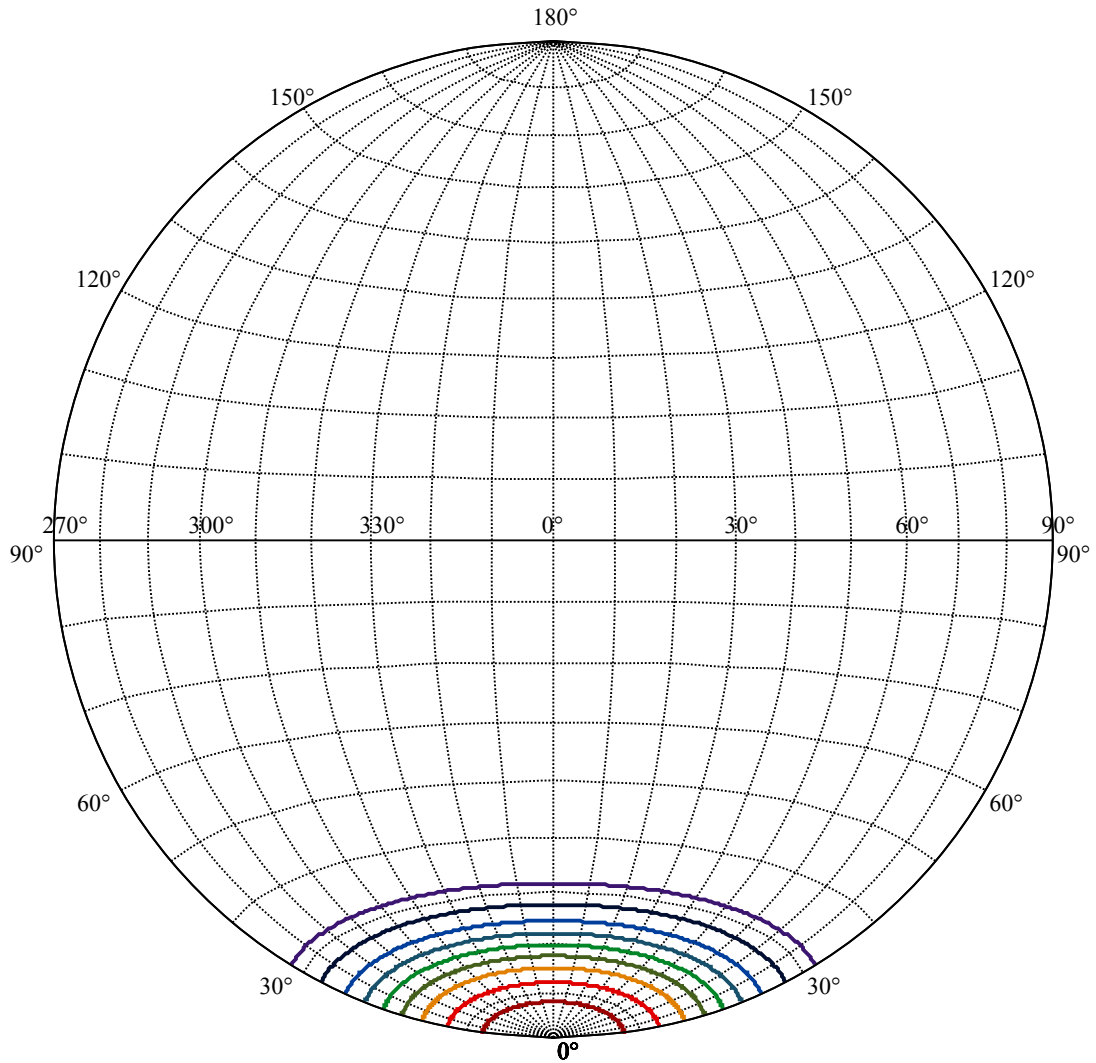
Beam Angle(50%Imax):C0/180Left:19.9 Right:19.9

:C90/270Left:19.9 Right:19.9





(10%Imax) 517.957	—
(20%Imax) 1035.91	—
(30%Imax) 1553.87	—
(40%Imax) 2071.83	—
(50%Imax) 2589.79	—
(60%Imax) 3107.74	—
(70%Imax) 3625.7	—
(80%Imax) 4143.66	—
(90%Imax) 4661.62	—



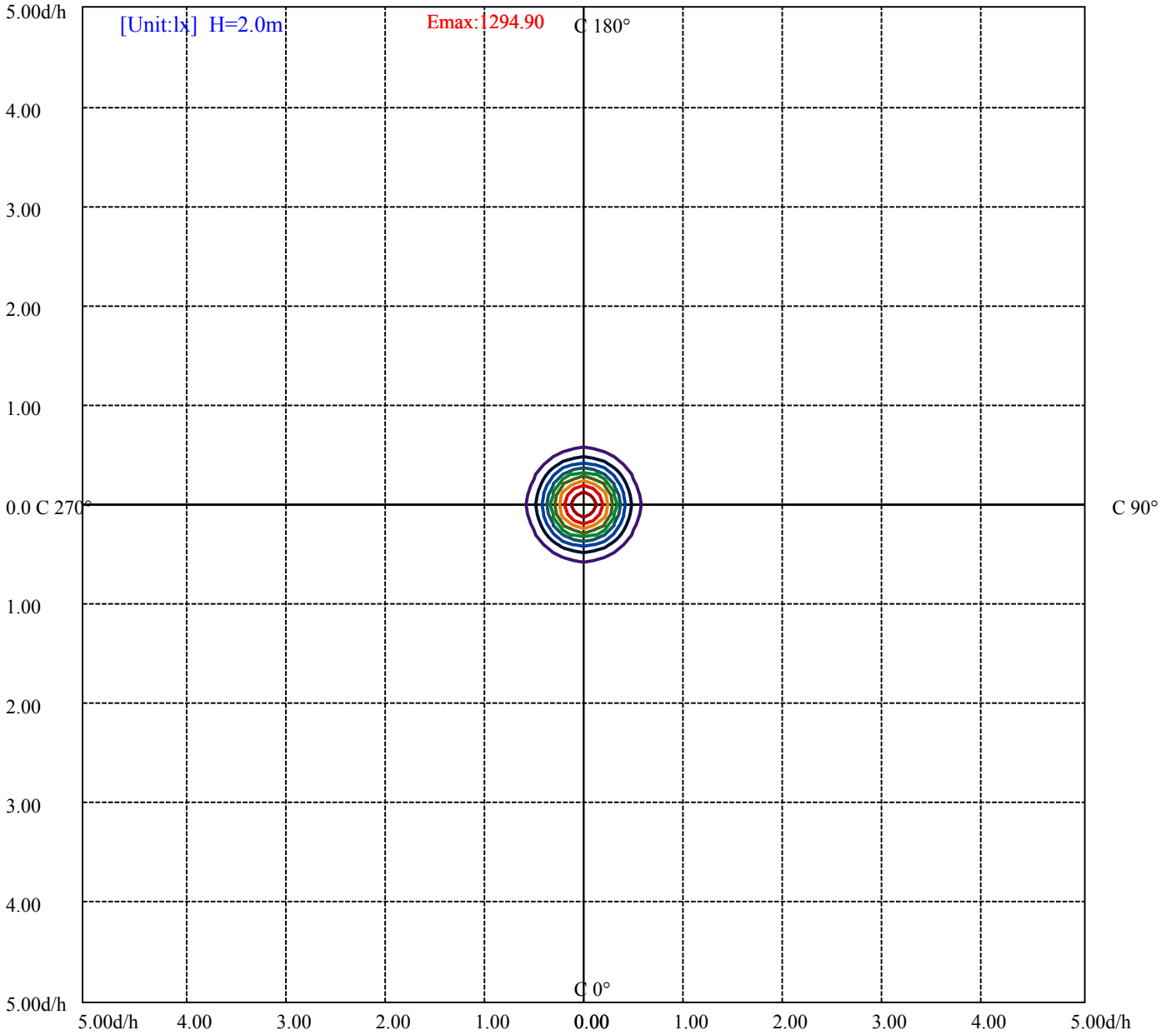
House

[Unit:cd]

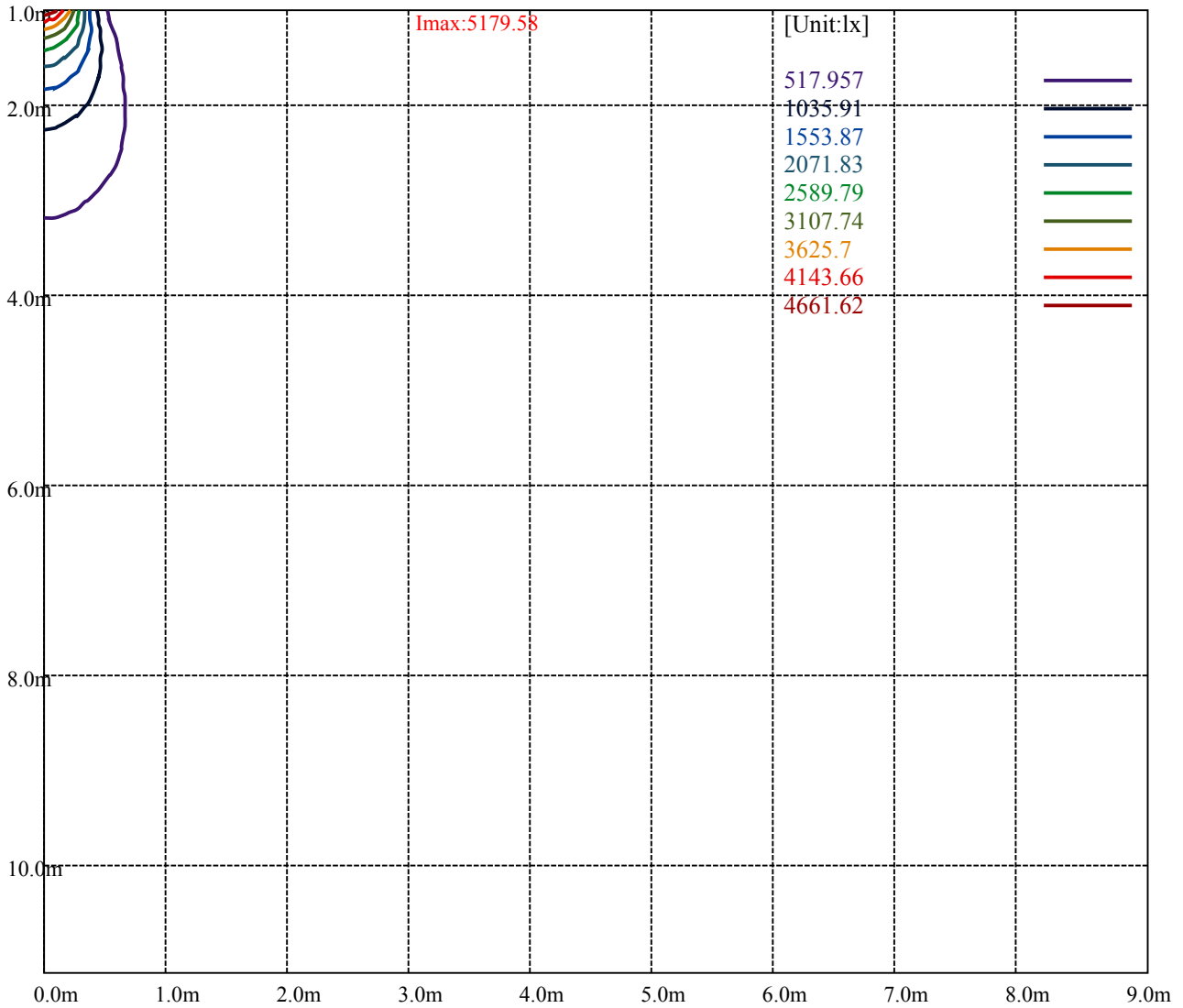
Road

Imax:5179.58

(10%Imax)	517.957	—
(20%Imax)	1035.91	—
(30%Imax)	1553.87	—
(40%Imax)	2071.83	—
(50%Imax)	2589.79	—
(60%Imax)	3107.74	—
(70%Imax)	3625.7	—
(80%Imax)	4143.66	—
(90%Imax)	4661.62	—



(10%Emax) 129.4892	—
(20%Emax) 258.9775	—
(30%Emax) 388.4675	—
(40%Emax) 517.9575	—
(50%Emax) 647.4475	—
(60%Emax) 776.935	—
(70%Emax) 906.425	—
(80%Emax) 1035.915	—
(90%Emax) 1165.405	—



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

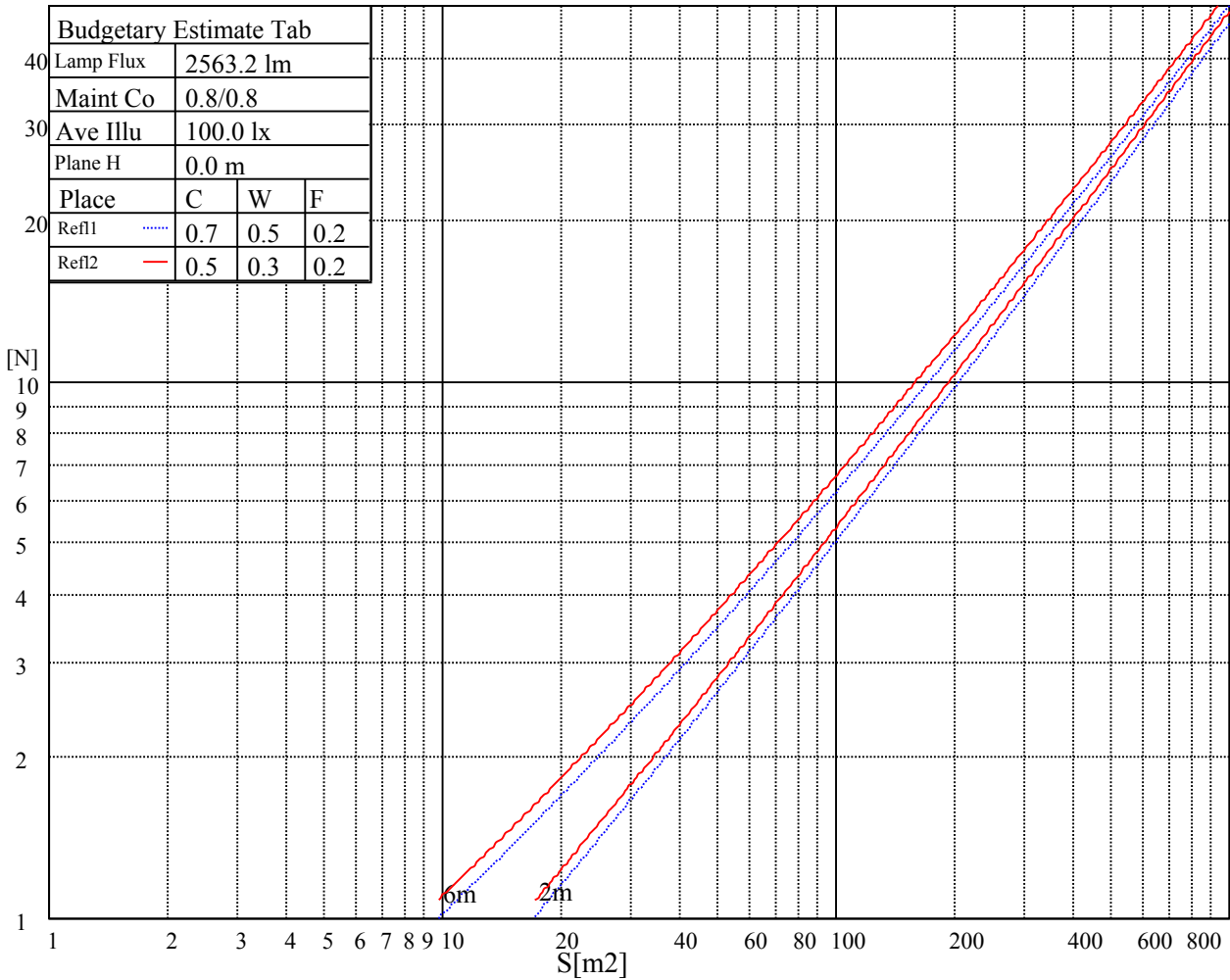
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

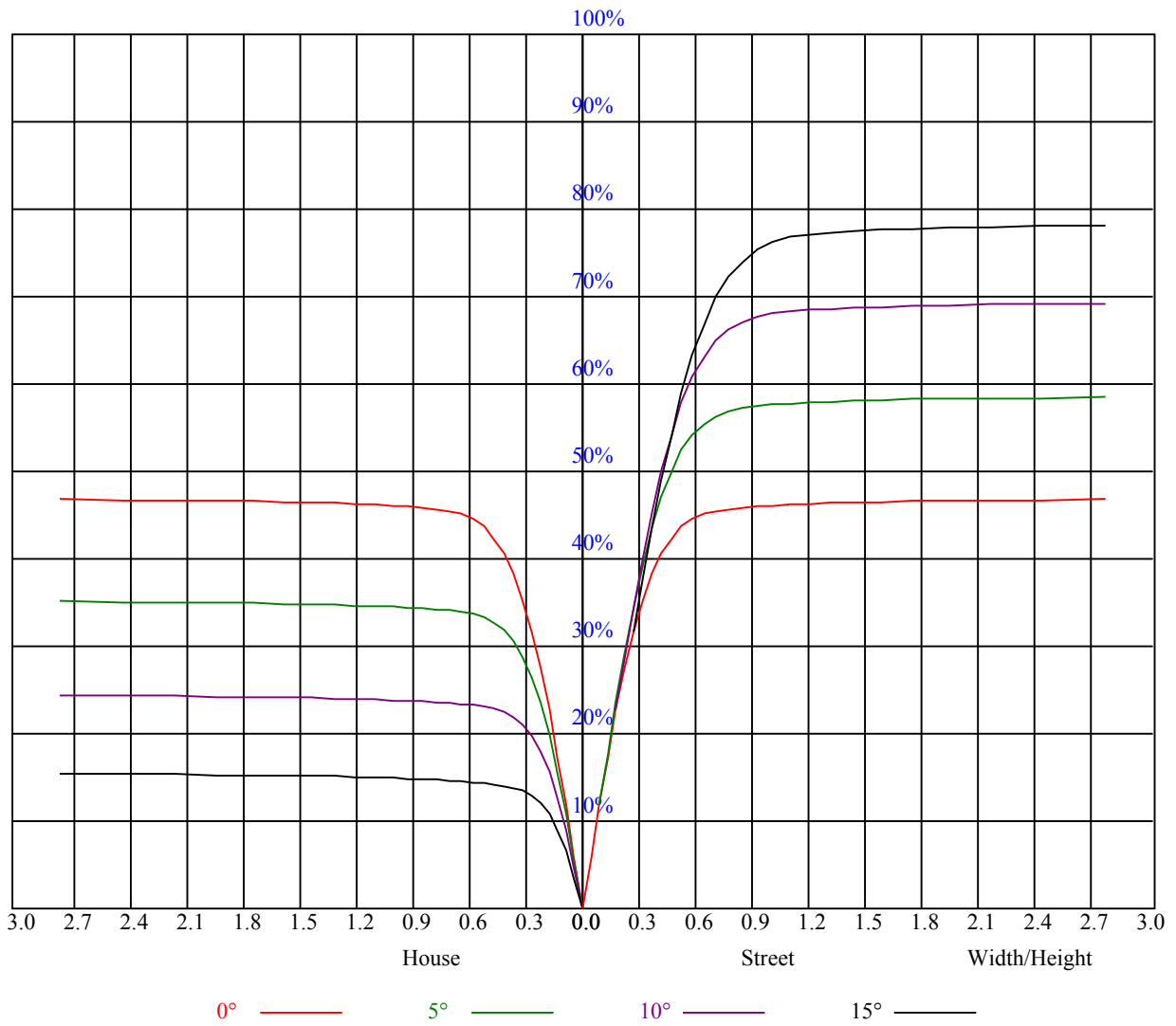


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.12	1.12	1.12	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.03	1.01	1.03	1.01	0.99	0.99	0.98	0.96	0.96	0.95	0.93	0.93	0.92	0.91	0.89
2	0.99	0.95	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.92	0.89	0.88	0.89	0.87	0.86	0.84
3	0.93	0.89	0.86	0.92	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.80
4	0.89	0.84	0.81	0.88	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.80	0.77	0.76
5	0.84	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.73
6	0.80	0.76	0.72	0.80	0.75	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.70	0.69
7	0.77	0.72	0.69	0.76	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.66
8	0.73	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.63
9	0.70	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.61
10	0.68	0.63	0.60	0.67	0.63	0.60	0.67	0.62	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.58



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	5169.47	5142.90	5092.53	5031.64	4960.79	4848.42	4754.32	4655.79	4527.37
45.0	5187.19	5173.35	5146.22	5103.05	5027.21	4943.63	4855.62	4757.09	4637.52
90.0	5177.78	5135.71	5091.98	5021.13	4940.31	4853.40	4734.39	4629.22	4524.60
135.0	5183.86	5170.58	5138.47	5098.62	5031.09	4955.81	4876.10	4768.16	4669.08
180.0	5169.47	5192.17	5167.81	5147.33	5120.76	5082.57	5005.63	4938.09	4845.10
225.0	5187.19	5175.01	5144.01	5112.46	5048.25	4997.32	4925.92	4807.46	4708.38
270.0	5177.78	5184.42	5173.90	5150.65	5113.01	5069.28	4987.91	4918.17	4801.92
315.0	5183.86	5166.71	5137.92	5100.28	5035.52	4984.59	4888.83	4804.14	4710.04
360.0	5169.47	5142.90	5092.53	5031.64	4960.79	4848.42	4754.32	4655.79	4527.37
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4431.61	4306.51	4178.09	4005.39	3838.77	3664.96	3469.56	3212.72	2996.29
45.0	4536.78	4398.95	4285.48	4149.86	3969.41	3812.76	3638.95	3397.60	3199.44
90.0	4380.68	4252.26	4123.29	3938.41	3784.53	3565.33	3371.59	3180.62	2985.77
135.0	4564.46	4457.07	4292.67	4163.70	4018.67	3857.04	3638.95	3450.74	3252.02
180.0	4730.52	4628.67	4514.64	4396.18	4235.10	4094.51	3907.96	3738.58	3556.47
225.0	4597.67	4456.52	4343.60	4220.16	4078.45	3888.59	3712.01	3526.58	3328.41
270.0	4710.04	4603.76	4500.80	4360.20	4226.25	4087.31	3931.21	3762.38	3512.19
315.0	4603.46	4471.46	4358.54	4232.89	4054.10	3901.88	3725.85	3526.02	3265.31
360.0	4431.61	4306.51	4178.09	4005.39	3838.77	3664.96	3469.56	3212.72	2996.29
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2774.32	2494.23	2277.25	2014.87	1825.56	1653.41	1479.60	1066.89	1066.89
45.0	3010.68	2803.66	2550.14	2340.35	2146.06	1950.11	1721.50	1548.24	1381.07
90.0	2735.02	2533.53	2323.74	2127.79	1896.97	1722.05	1552.11	1098.16	1098.16
135.0	3000.17	2797.02	2571.73	2300.50	2096.79	1913.57	1689.95	1520.01	1351.73
180.0	3314.02	3103.12	2883.92	2653.10	2368.58	2152.70	1961.18	1777.96	1564.29
225.0	3061.05	2833.00	2607.71	2326.51	2110.63	1857.67	1677.77	1507.28	1096.28
270.0	3304.06	3035.04	2811.96	2578.92	2339.80	2053.07	1850.47	1621.31	1451.92
315.0	3045.00	2748.86	2509.73	2283.89	2070.22	1820.58	1641.23	1476.83	1079.17
360.0	2774.32	2494.23	2277.25	2014.87	1825.56	1653.41	1479.60	1066.89	1066.89
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	955.29	824.93	677.86	571.08	468.13	367.60	256.90	185.93	133.40
45.0	1168.51	1009.65	862.41	707.97	595.05	486.56	361.46	293.93	293.93
90.0	1018.84	842.70	714.12	598.93	469.34	370.32	282.25	206.80	143.14
135.0	1184.57	991.38	854.66	732.33	623.84	494.86	396.33	282.86	282.86
180.0	1382.18	1217.23	1024.04	883.44	751.70	606.68	502.06	400.21	297.25
225.0	1096.28	984.41	848.52	725.52	585.92	480.03	381.66	293.37	201.76
270.0	1289.74	1129.21	954.30	828.09	709.63	598.37	466.63	370.32	282.86
315.0	1079.17	972.40	847.63	704.04	596.38	489.60	362.68	271.90	197.22
360.0	955.29	824.93	677.86	571.08	468.13	367.60	256.90	185.93	133.40
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	112.59	98.20	84.80	76.39	68.92	60.89	55.52	50.81	46.88
45.0	143.92	113.20	98.53	87.18	78.21	68.64	62.11	56.52	50.81
90.0	116.80	100.30	85.74	77.00	69.36	62.66	55.69	51.04	47.11
135.0	191.08	115.80	99.69	87.35	78.38	69.25	62.94	57.18	52.42
180.0	297.25	199.88	124.32	102.18	90.06	80.37	72.73	64.38	58.62
225.0	149.79	116.19	101.35	90.39	79.65	71.96	65.43	58.07	53.42
270.0	282.86	140.65	117.35	100.02	89.84	81.15	71.57	65.15	59.23
315.0	138.88	116.24	101.24	87.96	79.38	71.52	64.93	57.73	53.08
360.0	112.59	98.20	84.80	76.39	68.92	60.89	55.52	50.81	46.88

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	42.62	39.74	37.31	35.04	32.66	31.00	29.39	27.79	26.57
45.0	46.88	43.56	40.02	37.47	35.32	32.94	31.27	29.78	28.12
90.0	42.84	39.91	36.87	34.71	32.82	31.16	29.67	28.06	26.85
135.0	47.38	44.01	41.07	37.81	35.54	33.54	31.39	29.84	28.12
180.0	53.86	48.71	45.17	42.07	38.69	36.37	33.88	31.99	30.39
225.0	49.32	45.72	41.79	39.19	36.81	34.71	32.33	30.61	29.17
270.0	54.36	49.26	45.67	42.51	39.74	36.75	34.60	32.66	30.44
315.0	49.15	45.67	41.85	39.13	36.26	34.15	32.38	30.22	28.84
360.0	42.62	39.74	37.31	35.04	32.66	31.00	29.39	27.79	26.57
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.24	24.30	23.47	22.58	21.75	21.09	20.54	19.98	19.43
45.0	26.96	25.79	24.80	23.75	22.97	22.20	21.42	20.81	20.26
90.0	25.74	24.74	23.69	22.86	22.09	21.31	20.70	20.09	19.60
135.0	26.90	25.79	24.80	23.75	22.92	22.20	21.53	20.81	20.20
180.0	28.89	27.29	26.13	25.13	24.24	23.19	22.36	21.75	20.92
225.0	27.57	26.40	25.08	24.19	23.36	22.58	21.70	21.09	20.48
270.0	29.01	27.29	26.18	25.13	24.02	23.14	22.31	21.70	21.03
315.0	27.51	26.35	25.02	24.13	23.30	22.53	21.64	21.03	20.43
360.0	25.24	24.30	23.47	22.58	21.75	21.09	20.54	19.98	19.43
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.88	18.49	17.99	17.49	17.05	16.61	16.22	15.83	15.44
45.0	19.65	19.10	18.71	18.16	17.71	17.33	16.88	16.38	16.05
90.0	19.10	18.54	18.10	17.66	17.27	16.77	16.38	16.00	15.67
135.0	19.71	19.21	18.65	18.21	17.66	17.27	16.88	16.38	16.00
180.0	20.31	19.76	19.15	18.65	18.21	17.66	17.21	16.83	16.50
225.0	19.87	19.21	18.71	18.21	17.77	17.21	16.88	16.33	15.94
270.0	20.31	19.71	19.15	18.71	18.10	17.66	17.16	16.77	16.38
315.0	19.76	19.21	18.76	18.16	17.66	17.21	16.83	16.44	16.05
360.0	18.88	18.49	17.99	17.49	17.05	16.61	16.22	15.83	15.44
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.06	14.78	14.50	14.06	13.73	13.40	13.12	12.73	12.40
45.0	15.67	15.33	14.95	14.61	14.23	13.84	13.56	13.17	12.90
90.0	15.22	14.95	14.61	14.23	13.89	13.56	13.17	12.90	12.51
135.0	15.67	15.33	14.95	14.56	14.28	13.95	13.56	13.23	12.90
180.0	15.94	15.67	15.28	14.95	14.56	14.17	13.89	13.45	13.12
225.0	15.61	15.22	14.83	14.50	14.17	13.78	13.40	13.12	12.79
270.0	15.94	15.55	15.17	14.78	14.45	14.17	13.78	13.40	13.06
315.0	15.67	15.22	14.95	14.56	14.23	13.84	13.45	13.12	12.73
360.0	15.06	14.78	14.50	14.06	13.73	13.40	13.12	12.73	12.40
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.18	11.85	11.51	11.24	11.02	10.79	10.57	10.35	10.35
45.0	12.57	12.18	11.85	11.57	11.29	11.07	10.79	10.57	10.24
90.0	12.18	11.96	11.62	11.35	11.13	10.90	10.63	10.41	10.35
135.0	12.57	12.23	11.79	11.51	11.24	11.07	10.85	10.57	10.30
180.0	12.79	12.51	12.18	11.85	11.51	11.24	11.02	10.79	10.57
225.0	12.45	12.12	11.79	11.51	11.29	11.02	10.79	10.57	10.30
270.0	12.73	12.40	12.12	11.79	11.46	11.13	10.96	10.68	10.52
315.0	12.45	12.18	11.85	11.51	11.24	11.07	10.79	10.57	10.24
360.0	12.18	11.85	11.51	11.24	11.02	10.79	10.57	10.35	10.35

Intensity data(cd)

C/γ(°)	90.0
0.0	10.35
45.0	10.46
90.0	10.41
135.0	10.35
180.0	10.30
225.0	10.24
270.0	10.19
315.0	10.24
360.0	10.35