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NT

Client:

LumCAT: 2-2643-L

Luminaire: 92.70.412.000

Report No: 20231101-B020

Ballast type: AC

Test No: 20231101-C020

Voltage(V): 35.210

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.451

Lamp flux(lm): 2563.2

Power (W): 15.879

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2435.79, Efficiency(%): 95.03% , Luminous Efficacy(lm/W): 153.40

Central intensity(cd): 12588.790, Maximum intensity(cd): 12588.790

Angle of maximum intensity: C=0.0 γ =0.0

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

[C90/270]Total=18.0

Field angle(10%Imax): [C0/180]Total=46.4

[C90/270]Total=46.4

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(%): 95.03%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.886%

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	12588.792	0.000	0	0.00%	0.00%
1.0	12492.616	12.001	12.001	0.47%	0.49%
2.0	11993.465	35.145	47.146	1.37%	1.94%
3.0	11497.358	56.182	103.328	2.19%	4.24%
4.0	10991.564	75.278	178.606	2.94%	7.33%
5.0	10204.921	91.186	269.792	3.56%	11.08%
6.0	9245.573	102.218	372.009	3.99%	15.27%
7.0	8311.689	108.978	480.987	4.25%	19.75%
8.0	7343.001	112.038	593.025	4.37%	24.35%
9.0	6322.350	110.750	703.775	4.32%	28.89%
10.0	5528.026	107.242	811.016	4.18%	33.30%
11.0	4771.065	102.909	913.925	4.01%	37.52%
12.0	4135.121	97.357	1011.283	3.80%	41.52%
13.0	3628.982	92.140	1103.423	3.59%	45.30%
14.0	3222.479	87.698	1191.121	3.42%	48.90%
15.0	2901.013	84.066	1275.187	3.28%	52.35%
16.0	2660.986	81.499	1356.686	3.18%	55.70%
17.0	2455.762	79.682	1436.368	3.11%	58.97%
18.0	2210.961	76.944	1513.312	3.00%	62.13%
19.0	1935.577	72.141	1585.453	2.81%	65.09%
20.0	1753.602	67.522	1652.975	2.63%	67.86%
21.0	1588.648	64.178	1717.153	2.50%	70.50%
22.0	1392.364	59.905	1777.058	2.34%	72.96%
23.0	1284.425	56.166	1833.224	2.19%	75.26%
24.0	1155.583	53.347	1886.572	2.08%	77.45%
25.0	1078.572	50.800	1937.371	1.98%	79.54%
26.0	984.637	48.702	1986.074	1.90%	81.54%
27.0	887.201	45.795	2031.869	1.79%	83.42%
28.0	787.882	42.410	2074.278	1.65%	85.16%
29.0	688.460	38.625	2112.903	1.51%	86.74%
30.0	590.222	34.524	2147.428	1.35%	88.16%
31.0	494.889	30.197	2177.625	1.18%	89.40%
32.0	408.883	25.892	2203.517	1.01%	90.46%
33.0	323.943	21.589	2225.106	0.84%	91.35%
34.0	262.957	17.761	2242.867	0.69%	92.08%
35.0	229.752	15.302	2258.169	0.60%	92.71%
36.0	184.272	13.183	2271.352	0.51%	93.25%
37.0	140.328	10.587	2281.938	0.41%	93.68%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	124.760	8.848	2290.787	0.35%	94.05%
39.0	111.427	8.062	2298.848	0.31%	94.38%
40.0	99.906	7.371	2306.219	0.29%	94.68%
41.0	89.860	6.757	2312.976	0.26%	94.96%
42.0	80.609	6.193	2319.17	0.24%	95.21%
43.0	73.164	5.696	2324.866	0.22%	95.45%
44.0	66.646	5.277	2330.143	0.21%	95.66%
45.0	60.861	4.900	2335.043	0.19%	95.86%
46.0	55.914	4.567	2339.61	0.18%	96.05%
47.0	51.555	4.274	2343.884	0.17%	96.23%
48.0	47.832	4.018	2347.902	0.16%	96.39%
49.0	44.525	3.793	2351.695	0.15%	96.55%
50.0	41.626	3.592	2355.286	0.14%	96.70%
51.0	39.017	3.412	2358.698	0.13%	96.84%
52.0	36.817	3.254	2361.952	0.13%	96.97%
53.0	34.914	3.120	2365.073	0.12%	97.10%
54.0	33.136	2.999	2368.072	0.12%	97.22%
55.0	31.621	2.891	2370.963	0.11%	97.34%
56.0	30.327	2.799	2373.762	0.11%	97.45%
57.0	29.171	2.720	2376.482	0.11%	97.57%
58.0	28.265	2.656	2379.139	0.10%	97.67%
59.0	27.469	2.606	2381.744	0.10%	97.78%
60.0	26.729	2.561	2384.305	0.10%	97.89%
61.0	26.058	2.519	2386.824	0.10%	97.99%
62.0	25.400	2.480	2389.303	0.10%	98.09%
63.0	24.632	2.433	2391.737	0.09%	98.19%
64.0	23.712	2.372	2394.109	0.09%	98.29%
65.0	22.868	2.305	2396.414	0.09%	98.38%
66.0	21.975	2.237	2398.651	0.09%	98.48%
67.0	21.007	2.161	2400.813	0.08%	98.56%
68.0	20.135	2.084	2402.897	0.08%	98.65%
69.0	19.263	2.010	2404.907	0.08%	98.73%
70.0	18.440	1.936	2406.843	0.08%	98.81%
71.0	17.727	1.869	2408.712	0.07%	98.89%
72.0	17.090	1.810	2410.523	0.07%	98.96%
73.0	16.488	1.756	2412.279	0.07%	99.03%
74.0	15.949	1.705	2413.984	0.07%	99.10%
75.0	15.478	1.660	2415.644	0.06%	99.17%

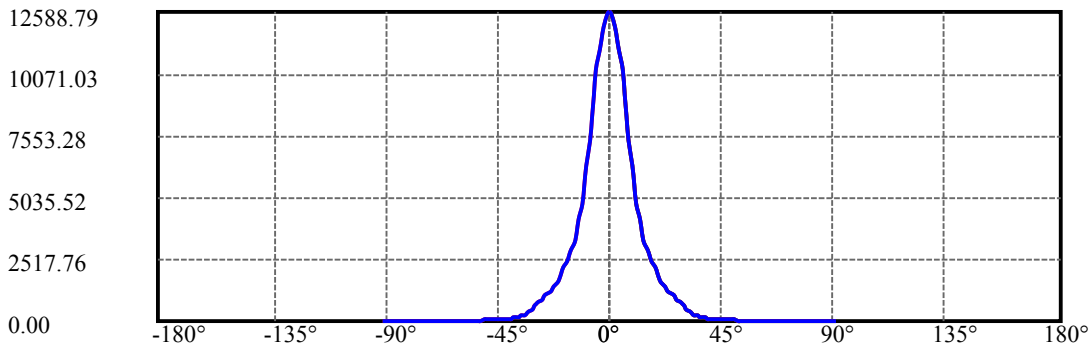
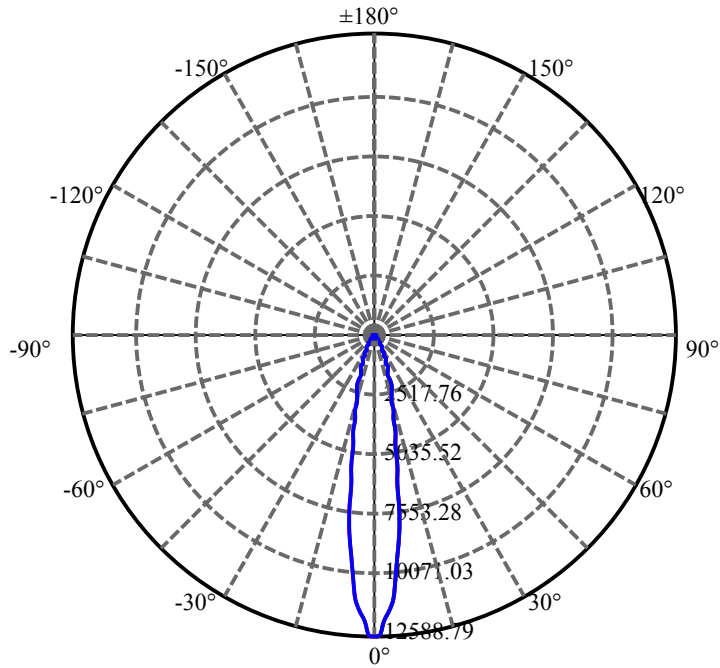
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.952	1.615	2417.26	0.06%	99.24%
77.0	14.482	1.569	2418.829	0.06%	99.30%
78.0	14.018	1.526	2420.355	0.06%	99.37%
79.0	13.575	1.483	2421.837	0.06%	99.43%
80.0	13.126	1.440	2423.277	0.06%	99.49%
81.0	12.738	1.399	2424.676	0.05%	99.54%
82.0	12.330	1.359	2426.035	0.05%	99.60%
83.0	11.991	1.322	2427.357	0.05%	99.65%
84.0	11.638	1.287	2428.644	0.05%	99.71%
85.0	11.347	1.255	2429.899	0.05%	99.76%
86.0	11.057	1.225	2431.124	0.05%	99.81%
87.0	10.822	1.197	2432.321	0.05%	99.86%
88.0	10.614	1.174	2433.495	0.05%	99.91%
89.0	10.448	1.154	2434.65	0.05%	99.95%
90.0	10.337	1.140	2435.789	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2147.43	83.78%	88.16%
0-40	2306.22	89.97%	94.68%
0-60	2384.30	93.02%	97.89%
0-90	2434.65	94.98%	99.95%
0-120	2434.65	94.98%	99.95%
0-180	2435.79	95.03%	100.00%
60-90	50.34	1.96%	2.07%
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%
0-25.23	1948.63	76.02%	80.00%

ZONAL LUMEN SUMMARY

0-10	811.02
10-20	841.96
20-30	494.45
30-40	158.79
40-50	49.07
50-60	29.02
60-70	22.54
70-80	16.43
80-90	11.37
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



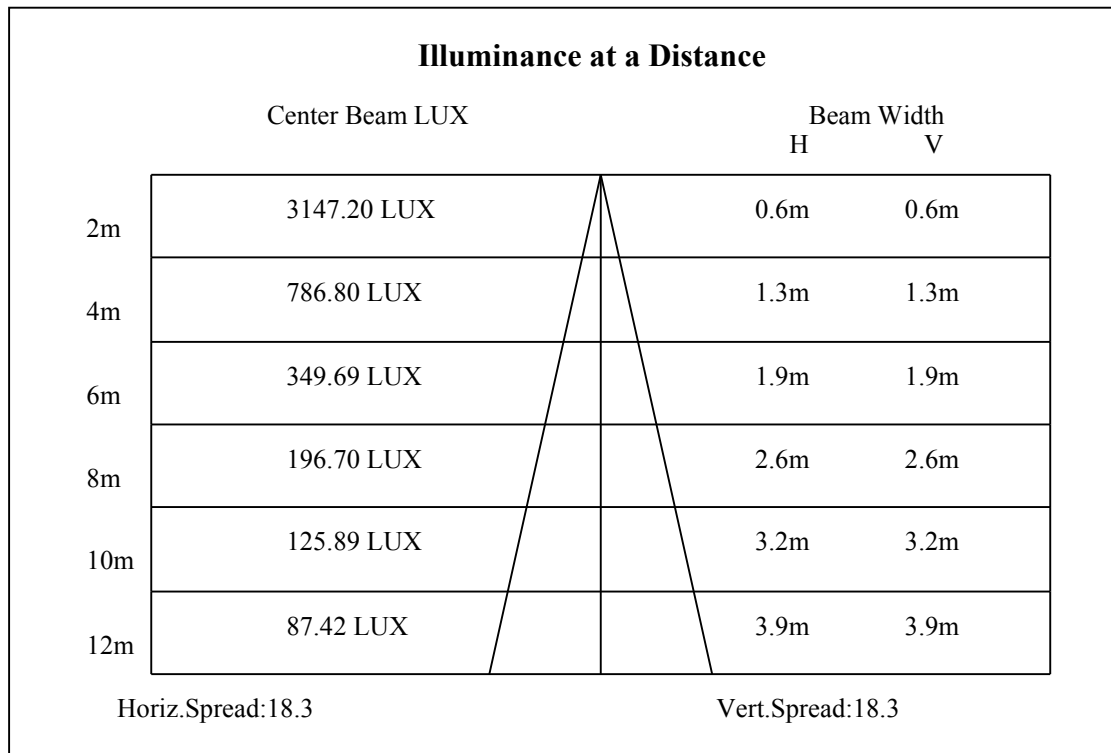
C0(Max): —————

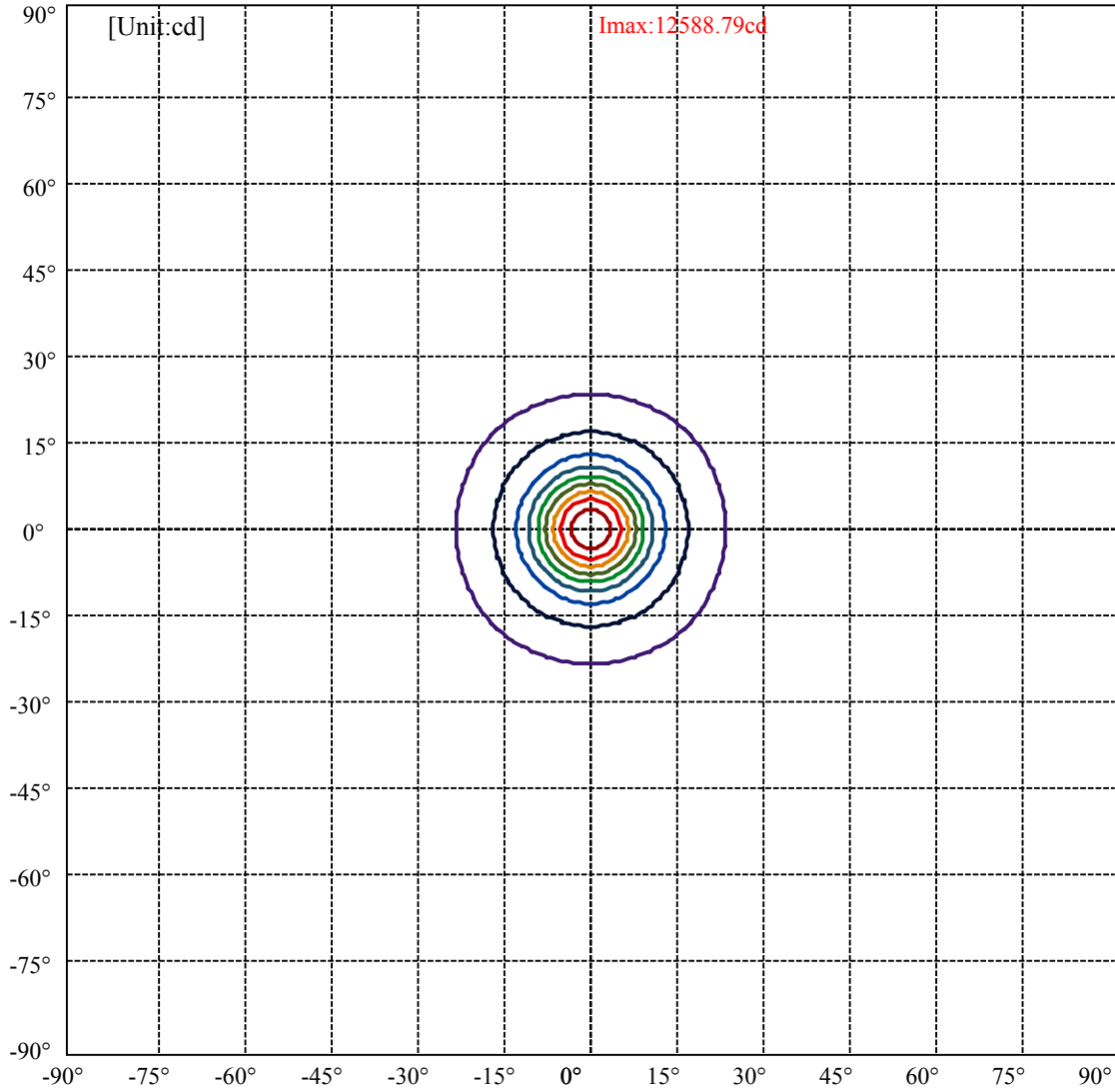
C0/C180: —————

C90/C270: —————

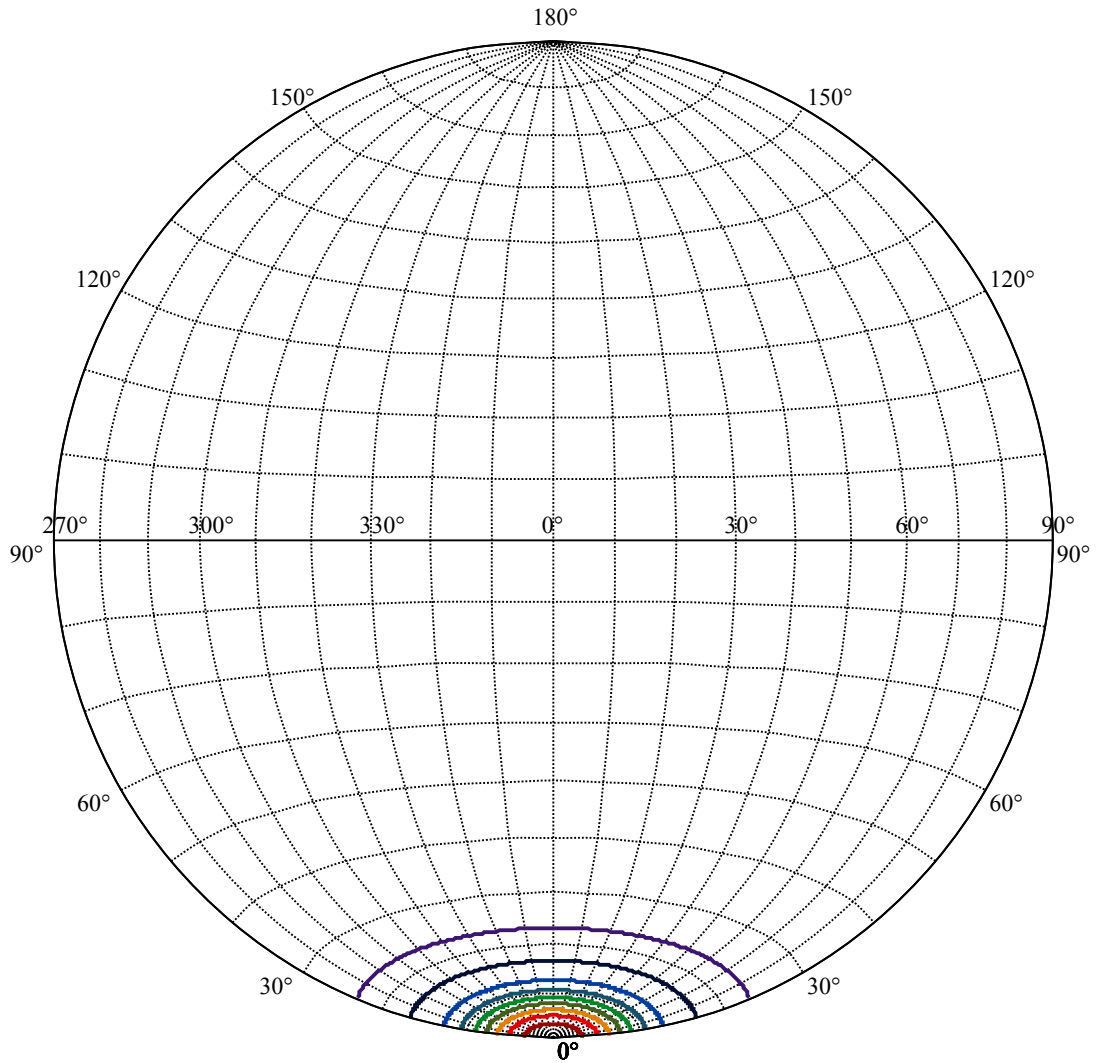
Field angle(10%Imax):C0/180Left:23.2 Right:23.2
:C90/270Left:23.2 Right:23.2

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





(10%Imax) 1258.88	—
(20%Imax) 2517.76	—
(30%Imax) 3776.64	—
(40%Imax) 5035.52	—
(50%Imax) 6294.4	—
(60%Imax) 7553.28	—
(70%Imax) 8812.16	—
(80%Imax) 10071	—
(90%Imax) 11329.9	—



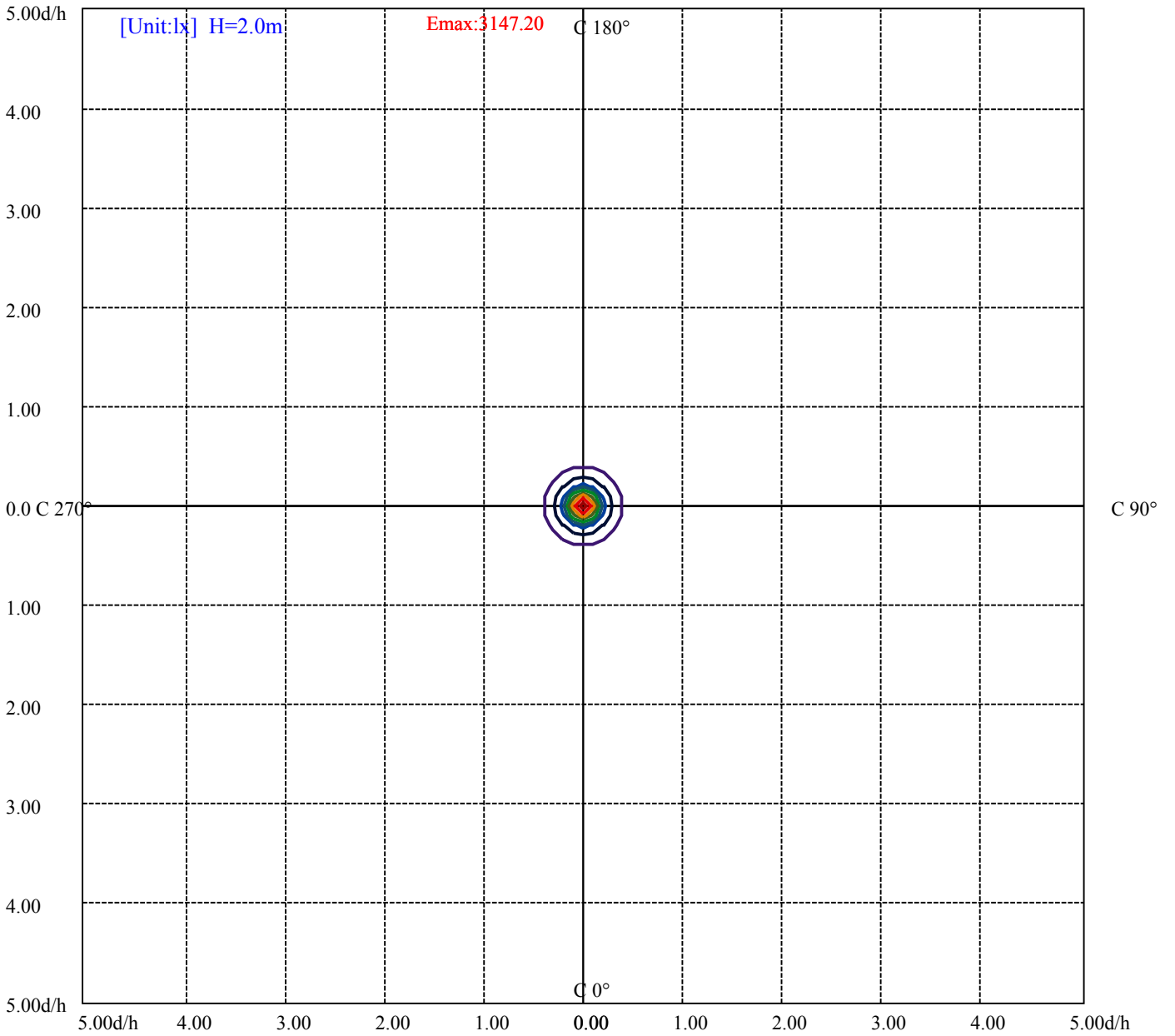
House

[Unit:cd]

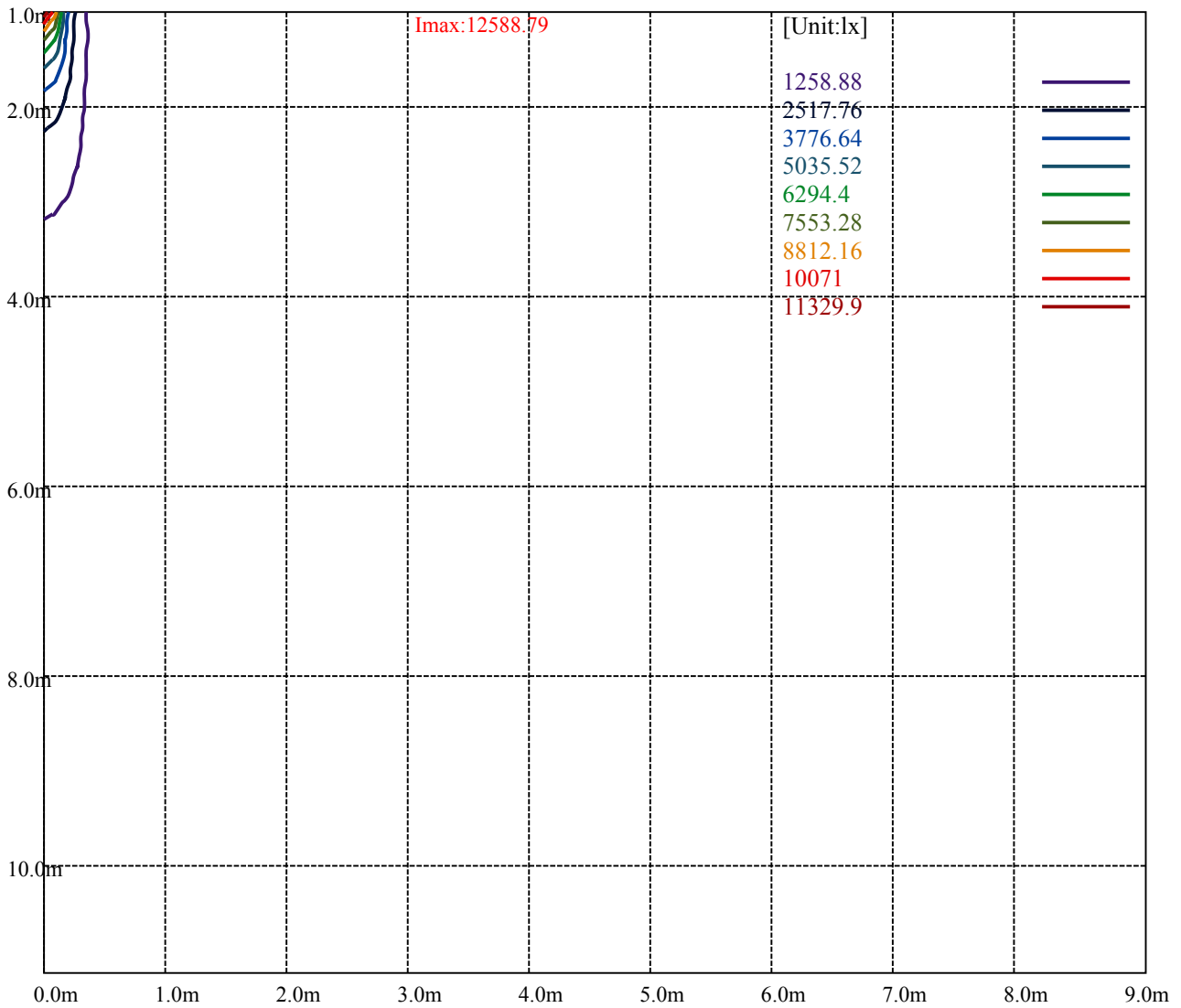
Road

Imax:12588.79

(10%Imax)	1258.88	—
(20%Imax)	2517.76	—
(30%Imax)	3776.64	—
(40%Imax)	5035.52	—
(50%Imax)	6294.4	—
(60%Imax)	7553.28	—
(70%Imax)	8812.16	—
(80%Imax)	10071	—
(90%Imax)	11329.9	—



- (10%Emax) 314.72
- (20%Emax) 629.44
- (30%Emax) 944.1575
- (40%Emax) 1258.877
- (50%Emax) 1573.598
- (60%Emax) 1888.318
- (70%Emax) 2203.035
- (80%Emax) 2517.75
- (90%Emax) 2832.475



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

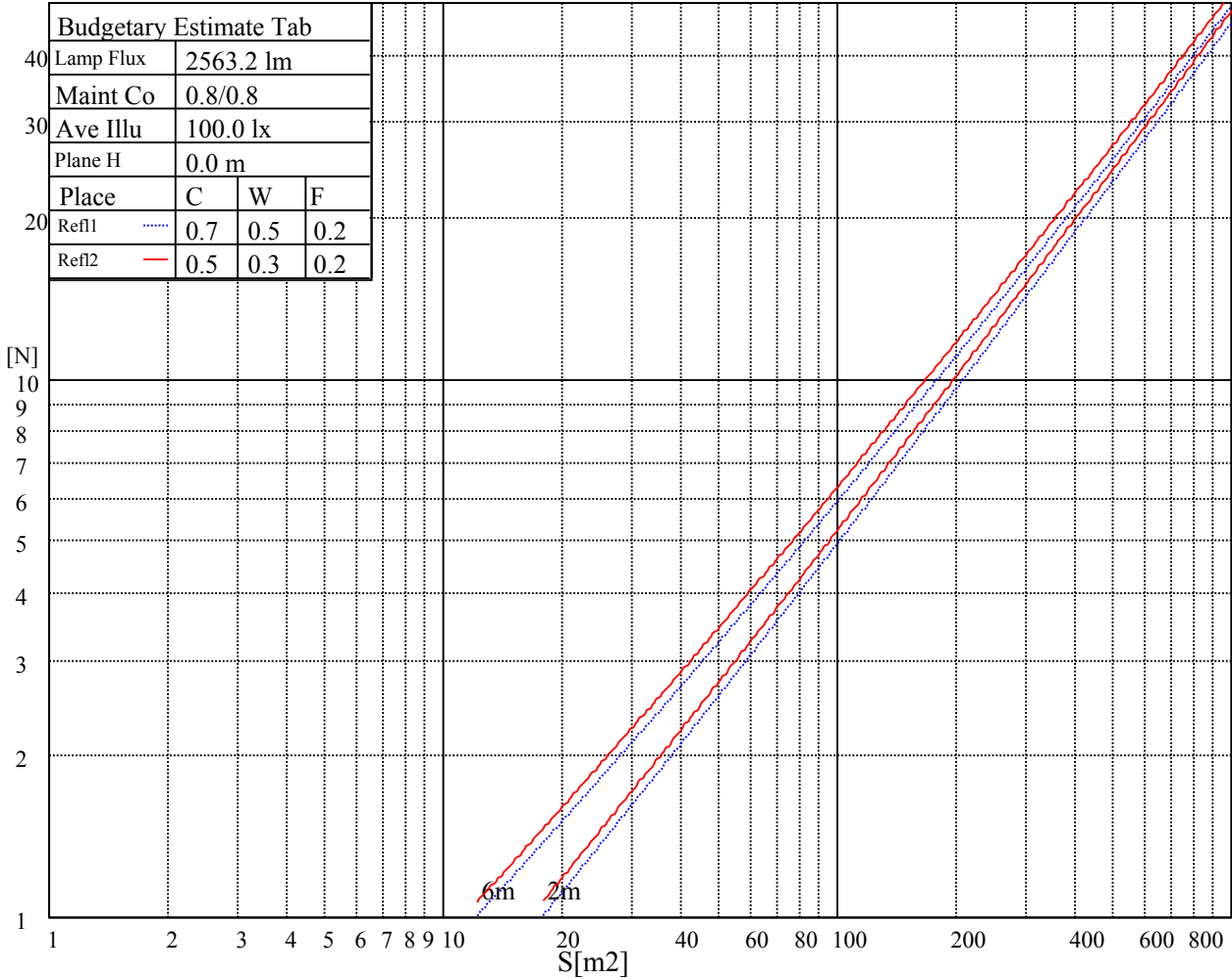
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

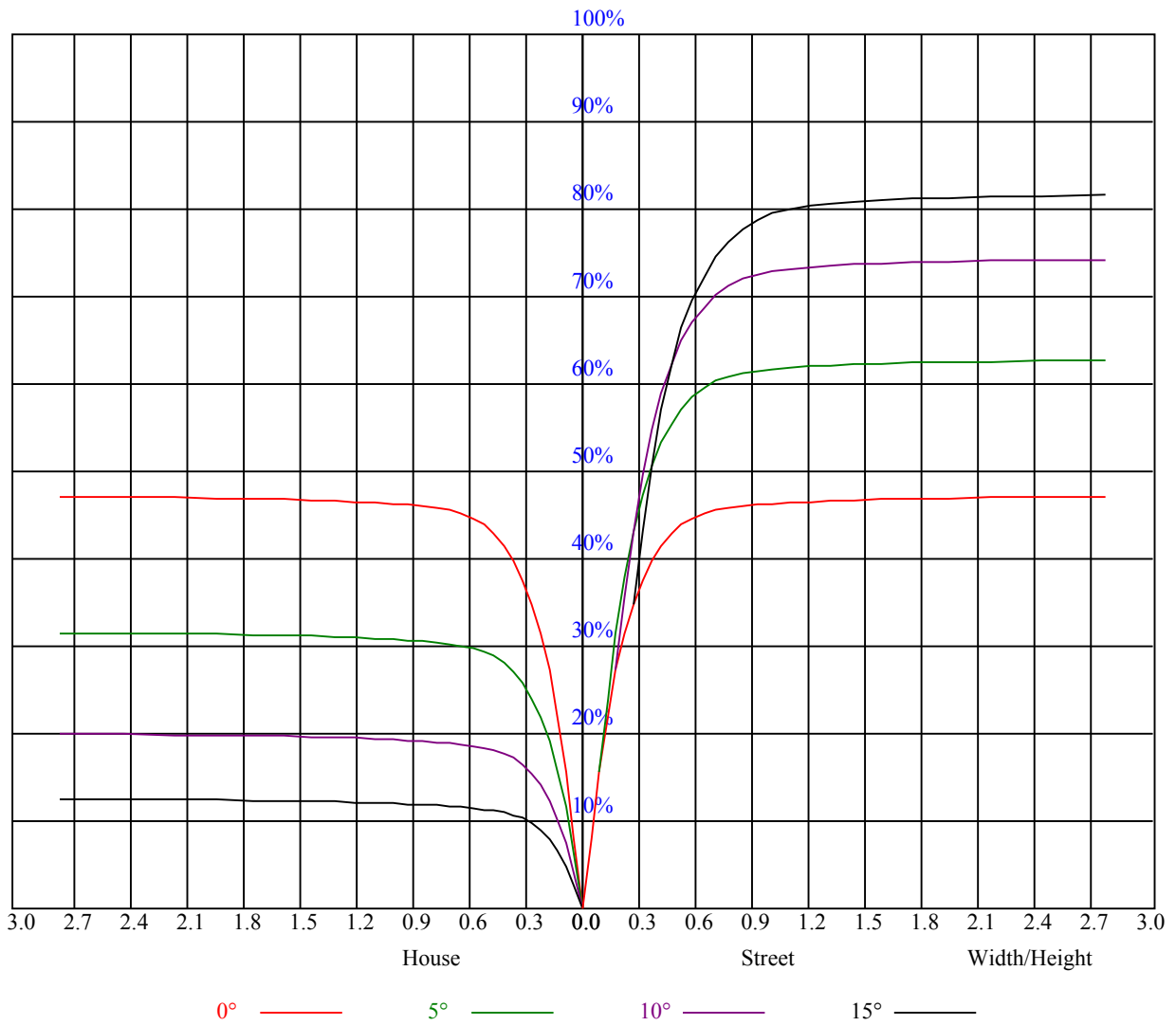


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1.13	1.13	1.13	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.06	1.04	1.02	1.04	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.90
2	1.01	0.97	0.95	0.99	0.96	0.94	0.96	0.94	0.92	0.93	0.91	0.90	0.91	0.89	0.88	0.86
3	0.96	0.92	0.89	0.94	0.91	0.88	0.92	0.89	0.87	0.90	0.87	0.85	0.88	0.86	0.84	0.83
4	0.91	0.87	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.81	0.79
5	0.87	0.83	0.80	0.87	0.83	0.79	0.85	0.81	0.79	0.84	0.81	0.78	0.82	0.80	0.77	0.76
6	0.84	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.74
7	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.71
8	0.78	0.74	0.71	0.78	0.73	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.69
9	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.68	0.67
10	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.71	0.68	0.66	0.65



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	12537.59	12222.07	10892.48	10892.48	10073.25	9172.09	8019.08	7098.55	6207.35
45.0	12664.90	12554.20	12282.96	11845.67	11054.11	10229.35	9360.29	8208.94	7295.60
90.0	12509.91	12233.15	11014.26	11014.26	10195.03	9303.83	8176.28	7236.38	6354.59
135.0	12642.76	12526.52	12166.72	11707.29	11070.72	10090.96	9194.23	8286.43	7140.61
180.0	12537.59	12659.37	12559.73	12299.57	11867.81	11126.07	10400.94	9570.64	8668.37
225.0	12664.90	12509.91	12211.00	10967.21	10967.21	10197.24	9334.28	8415.96	7244.68
270.0	12509.91	12664.90	12587.41	12316.18	11768.18	11175.89	10234.88	9365.83	8446.96
315.0	12642.76	12570.80	12233.15	10936.21	10936.21	10343.93	9244.60	8310.79	7385.83
360.0	12537.59	12222.07	10892.48	10892.48	10073.25	9172.09	8019.08	7098.55	6207.35
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5213.20	4555.60	4018.12	3565.33	3116.41	2826.35	2560.10	2327.07	2075.76
45.0	6188.53	5396.98	4710.59	4140.45	3564.77	3193.90	2883.92	2811.96	2518.59
90.0	5334.43	4659.11	4099.49	3521.60	3163.46	2855.69	2523.57	2291.09	2096.24
135.0	6254.96	5463.40	4622.03	4068.49	3614.59	3238.19	2922.67	2850.71	2546.82
180.0	7489.34	6592.61	5729.10	4821.30	4212.41	3614.59	3243.72	2928.21	2850.71
225.0	6342.97	5527.06	4651.36	4088.97	3633.41	3166.23	2862.89	2598.30	2372.46
270.0	7295.60	6404.41	5596.25	4710.59	4134.91	3653.34	3293.54	2894.99	2828.57
315.0	6459.77	5625.03	4741.59	4164.25	3591.90	3231.54	2917.69	2585.57	2356.96
360.0	5213.20	4555.60	4018.12	3565.33	3116.41	2826.35	2560.10	2327.07	2075.76
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1900.84	1736.44	1543.81	1399.34	1103.09	1103.09	1053.66	962.05	845.30
45.0	2121.15	1939.59	1733.67	1580.90	1436.43	1299.70	1169.62	1079.40	983.08
90.0	1875.93	1710.43	1556.54	1377.20	1099.54	1099.54	1055.65	966.25	850.84
135.0	2141.08	1913.02	1751.39	1595.84	1416.50	1287.52	1162.43	1075.52	980.31
180.0	2552.91	2147.72	1965.05	1753.60	1600.27	1445.28	1309.67	1179.59	1095.45
225.0	2115.06	1934.61	1773.53	1619.65	1439.75	1304.13	1096.39	1096.39	1008.93
270.0	2828.57	2184.81	1955.64	1786.81	1591.42	1440.30	1311.88	1184.01	1094.34
315.0	2152.15	1918.00	1749.17	1595.84	1451.92	1295.83	1085.37	1085.37	1018.84
360.0	1900.84	1736.44	1543.81	1399.34	1103.09	1103.09	1053.66	962.05	845.30
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	751.76	661.97	571.42	462.70	379.56	302.06	236.14	178.74	154.93
45.0	863.52	768.31	653.73	565.71	481.02	396.33	300.57	283.96	283.96
90.0	762.88	674.48	562.56	478.59	378.90	304.11	238.68	186.93	148.35
135.0	884.00	767.20	679.19	591.18	509.25	406.85	328.25	291.71	291.71
180.0	1004.67	908.91	794.32	701.88	588.41	501.50	419.58	324.37	289.50
225.0	923.30	806.78	712.68	617.97	505.21	419.58	339.32	253.41	201.15
270.0	1007.44	910.57	820.34	703.54	605.01	515.90	406.30	331.57	280.64
315.0	900.05	804.84	713.45	600.20	511.74	424.73	322.71	252.97	187.76
360.0	751.76	661.97	571.42	462.70	379.56	302.06	236.14	178.74	154.93
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	140.27	123.60	111.37	98.09	89.01	80.98	72.18	66.26	60.89
45.0	154.22	135.17	122.05	110.38	99.91	88.34	80.37	71.85	65.87
90.0	132.30	119.29	107.72	94.82	85.96	78.10	71.18	63.71	58.79
135.0	152.44	134.29	117.74	106.11	95.98	84.69	77.16	70.41	64.49
180.0	289.50	161.63	137.33	123.44	110.98	100.30	88.40	80.43	73.40
225.0	165.95	145.64	130.36	114.14	102.85	92.66	81.92	74.62	66.81
270.0	280.64	159.92	142.37	128.31	112.76	101.96	90.34	82.31	75.11
315.0	158.86	143.09	129.14	116.13	101.80	91.83	83.31	75.72	67.81
360.0	140.27	123.60	111.37	98.09	89.01	80.98	72.18	66.26	60.89

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	56.02	52.14	47.99	44.78	42.07	39.63	36.98	35.15	33.54
45.0	60.72	54.86	50.93	47.60	44.45	40.96	38.75	36.64	34.71
90.0	53.03	49.04	45.94	42.29	39.63	37.53	35.15	33.38	31.83
135.0	58.18	53.86	49.82	46.55	42.73	40.08	37.92	35.48	33.65
180.0	65.76	60.56	55.80	50.65	47.38	44.28	40.80	38.47	36.37
225.0	61.50	56.46	51.59	48.27	44.89	42.01	39.13	37.14	35.20
270.0	69.14	62.60	57.79	53.58	49.98	46.11	43.34	40.96	38.64
315.0	62.55	57.79	52.59	48.93	45.06	42.40	40.08	37.31	35.37
360.0	56.02	52.14	47.99	44.78	42.07	39.63	36.98	35.15	33.54
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	31.66	30.39	29.06	28.12	27.34	26.46	25.91	25.35	24.63
45.0	32.71	31.33	30.11	28.67	27.84	27.18	26.18	25.52	24.91
90.0	30.61	29.17	28.06	27.34	26.68	25.85	25.19	24.58	23.86
135.0	32.05	30.44	29.34	28.17	27.46	26.79	26.13	25.46	24.80
180.0	34.43	32.49	31.22	30.00	28.67	27.84	27.18	26.46	25.63
225.0	33.60	32.05	30.89	29.78	28.78	28.12	27.34	26.74	26.18
270.0	36.20	34.65	32.77	31.50	30.44	29.39	28.56	27.79	27.12
315.0	33.82	32.44	31.16	29.78	28.89	28.12	27.34	26.57	26.07
360.0	31.66	30.39	29.06	28.12	27.34	26.46	25.91	25.35	24.63
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.64	22.86	21.81	20.98	20.04	19.15	18.43	17.66	16.99
45.0	24.24	23.36	22.58	21.64	20.81	20.09	19.21	18.32	17.71
90.0	23.03	22.03	21.26	20.37	19.60	18.65	17.88	17.27	16.77
135.0	24.13	23.30	22.53	21.53	20.70	19.87	18.88	18.05	17.27
180.0	25.08	24.13	23.41	22.58	21.53	20.65	19.82	19.10	18.05
225.0	25.46	24.24	23.47	22.53	21.53	20.48	19.65	18.82	18.10
270.0	26.40	25.63	24.63	23.91	22.58	21.64	20.87	19.71	18.93
315.0	25.08	24.13	23.25	22.25	21.26	20.54	19.37	18.60	17.99
360.0	23.64	22.86	21.81	20.98	20.04	19.15	18.43	17.66	16.99
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.44	15.89	15.33	14.95	14.34	13.89	13.51	13.12	12.62
45.0	17.10	16.50	16.05	15.55	14.95	14.45	14.06	13.51	13.12
90.0	16.11	15.72	15.28	14.95	14.39	14.00	13.51	13.12	12.73
135.0	16.66	16.16	15.55	15.17	14.72	14.34	13.89	13.56	13.17
180.0	17.44	16.83	16.33	15.72	15.28	14.89	14.34	14.00	13.56
225.0	17.33	16.77	16.16	15.67	15.17	14.61	14.12	13.67	13.12
270.0	18.32	17.44	16.83	16.22	15.67	15.17	14.67	14.06	13.62
315.0	17.33	16.61	16.05	15.61	15.11	14.50	14.06	13.56	13.06
360.0	16.44	15.89	15.33	14.95	14.34	13.89	13.51	13.12	12.62
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.29	11.85	11.57	11.29	11.07	10.79	10.74	10.35	10.79
45.0	12.73	12.29	11.90	11.62	11.29	11.02	10.74	10.63	10.13
90.0	12.34	12.07	11.68	11.40	11.18	10.85	10.63	10.41	10.13
135.0	12.73	12.40	12.07	11.68	11.35	11.07	10.79	10.63	10.30
180.0	13.12	12.68	12.40	11.96	11.62	11.24	11.02	10.74	10.52
225.0	12.79	12.34	12.07	11.62	11.35	11.07	10.79	10.63	10.30
270.0	13.17	12.73	12.34	11.96	11.62	11.35	11.07	10.74	10.90
315.0	12.73	12.29	11.90	11.57	11.29	11.07	10.79	10.79	10.52
360.0	12.29	11.85	11.57	11.29	11.07	10.79	10.74	10.35	10.79

Intensity data(cd)

C/γ(°)	90.0
0.0	10.63
45.0	10.24
90.0	10.19
135.0	10.13
180.0	10.19
225.0	10.13
270.0	10.41
315.0	10.79
360.0	10.63