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NT

Client:

LumCAT: 2-2644-L

Luminaire: 92.70.412.00

Report No: 20231031-B025

Ballast type: AC

Test No: 20231031-C025

Voltage(V): 34.660

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.576

Lamp flux(lm): 3260.6

Power (W): 19.964

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2952.52, Efficiency(%): 90.55% , Luminous Efficacy(lm/W): 147.89

Central intensity(cd): 10161.260, Maximum intensity(cd): 10161.260

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=25.2

[C90/270]Total=25.2

Field angle(10%Imax): [C0/180]Total=56.2

[C90/270]Total=56.2

Maximum s/h(1/2): C0_180=0.42 C90_270=0.42

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(%): 90.55%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.897%

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/10/31
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	10161.260	0.000	0	0.00%	0.00%
1.0	10104.730	9.697	9.697	0.30%	0.33%
2.0	9948.426	28.782	38.479	0.88%	1.30%
3.0	9703.763	47.002	85.481	1.44%	2.90%
4.0	9356.903	63.802	149.283	1.96%	5.06%
5.0	8979.876	78.884	228.167	2.42%	7.73%
6.0	8546.250	92.104	320.271	2.82%	10.85%
7.0	8065.504	103.109	423.38	3.16%	14.34%
8.0	7571.681	111.912	535.292	3.43%	18.13%
9.0	7031.775	118.353	653.645	3.63%	22.14%
10.0	6511.452	122.561	776.207	3.76%	26.29%
11.0	5916.539	124.181	900.388	3.81%	30.50%
12.0	5397.945	123.684	1024.071	3.79%	34.68%
13.0	4881.703	121.994	1146.065	3.74%	38.82%
14.0	4438.252	119.295	1265.359	3.66%	42.86%
15.0	4038.391	116.371	1381.731	3.57%	46.80%
16.0	3657.766	112.770	1494.501	3.46%	50.62%
17.0	3316.995	108.616	1603.117	3.33%	54.30%
18.0	3013.796	104.381	1707.498	3.20%	57.83%
19.0	2745.331	100.197	1807.695	3.07%	61.23%
20.0	2486.553	95.758	1903.453	2.94%	64.47%
21.0	2253.307	91.015	1994.467	2.79%	67.55%
22.0	2041.579	86.308	2080.775	2.65%	70.47%
23.0	1838.708	81.419	2162.194	2.50%	73.23%
24.0	1663.445	76.570	2238.764	2.35%	75.83%
25.0	1434.122	70.432	2309.195	2.16%	78.21%
26.0	1278.142	64.023	2373.219	1.96%	80.38%
27.0	1158.918	59.623	2432.842	1.83%	82.40%
28.0	1035.320	55.553	2488.395	1.70%	84.28%
29.0	903.046	50.713	2539.109	1.56%	86.00%
30.0	767.146	45.095	2584.203	1.38%	87.53%
31.0	656.473	39.617	2623.821	1.22%	88.87%
32.0	552.823	34.645	2658.466	1.06%	90.04%
33.0	461.393	29.879	2688.345	0.92%	91.05%
34.0	381.442	25.507	2713.851	0.78%	91.92%
35.0	309.475	21.457	2735.309	0.66%	92.64%
36.0	262.376	18.208	2753.517	0.56%	93.26%
37.0	233.059	16.158	2769.675	0.50%	93.81%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	186.369	14.000	2783.675	0.43%	94.28%
39.0	139.982	11.139	2794.814	0.34%	94.66%
40.0	116.409	8.942	2803.756	0.27%	94.96%
41.0	100.522	7.725	2811.481	0.24%	95.22%
42.0	87.742	6.840	2818.321	0.21%	95.45%
43.0	78.145	6.145	2824.466	0.19%	95.66%
44.0	70.341	5.604	2830.07	0.17%	95.85%
45.0	64.203	5.171	2835.241	0.16%	96.03%
46.0	59.014	4.819	2840.06	0.15%	96.19%
47.0	54.489	4.514	2844.574	0.14%	96.34%
48.0	51.043	4.266	2848.84	0.13%	96.49%
49.0	47.826	4.060	2852.9	0.12%	96.63%
50.0	45.245	3.880	2856.78	0.12%	96.76%
51.0	42.899	3.729	2860.51	0.11%	96.88%
52.0	41.162	3.607	2864.117	0.11%	97.01%
53.0	39.695	3.517	2867.634	0.11%	97.13%
54.0	38.319	3.439	2871.073	0.11%	97.24%
55.0	37.211	3.372	2874.444	0.10%	97.36%
56.0	36.118	3.314	2877.758	0.10%	97.47%
57.0	35.108	3.257	2881.014	0.10%	97.58%
58.0	34.146	3.203	2884.217	0.10%	97.69%
59.0	33.088	3.143	2887.36	0.10%	97.79%
60.0	31.939	3.072	2890.432	0.09%	97.90%
61.0	30.818	2.995	2893.427	0.09%	98.00%
62.0	29.766	2.919	2896.346	0.09%	98.10%
63.0	28.659	2.842	2899.188	0.09%	98.19%
64.0	27.677	2.764	2901.952	0.08%	98.29%
65.0	26.757	2.694	2904.646	0.08%	98.38%
66.0	25.905	2.627	2907.274	0.08%	98.47%
67.0	24.978	2.559	2909.832	0.08%	98.55%
68.0	24.058	2.484	2912.316	0.08%	98.64%
69.0	23.214	2.412	2914.728	0.07%	98.72%
70.0	22.328	2.339	2917.067	0.07%	98.80%
71.0	21.546	2.268	2919.335	0.07%	98.88%
72.0	20.716	2.198	2921.532	0.07%	98.95%
73.0	20.052	2.132	2923.664	0.07%	99.02%
74.0	19.436	2.076	2925.74	0.06%	99.09%
75.0	18.869	2.024	2927.764	0.06%	99.16%

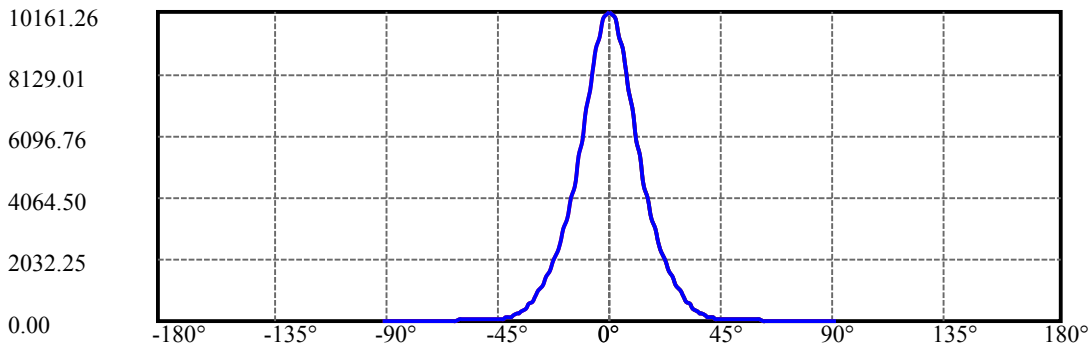
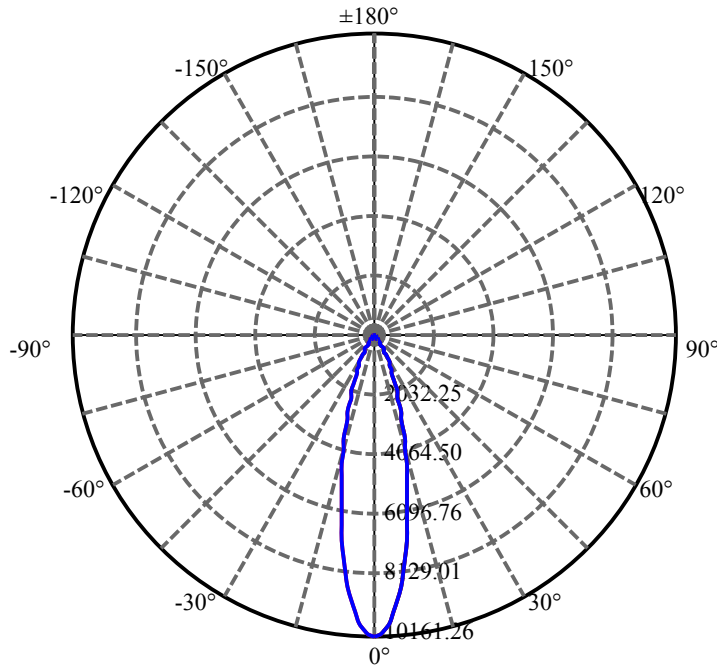
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.357	1.976	2929.74	0.06%	99.23%
77.0	17.817	1.929	2931.669	0.06%	99.29%
78.0	17.298	1.880	2933.548	0.06%	99.36%
79.0	16.814	1.833	2935.381	0.06%	99.42%
80.0	16.336	1.787	2937.168	0.05%	99.48%
81.0	15.873	1.742	2938.91	0.05%	99.54%
82.0	15.395	1.696	2940.606	0.05%	99.60%
83.0	14.932	1.649	2942.254	0.05%	99.65%
84.0	14.503	1.604	2943.858	0.05%	99.71%
85.0	14.018	1.557	2945.414	0.05%	99.76%
86.0	13.444	1.501	2946.916	0.05%	99.81%
87.0	13.043	1.450	2948.365	0.04%	99.86%
88.0	12.724	1.411	2949.777	0.04%	99.91%
89.0	12.448	1.380	2951.156	0.04%	99.95%
90.0	12.337	1.359	2952.515	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2584.20	79.26%	87.53%
0-40	2803.76	85.99%	94.96%
0-60	2890.43	88.65%	97.90%
0-90	2951.16	90.51%	99.95%
0-120	2951.16	90.51%	99.95%
0-180	2952.52	90.55%	100.00%
60-90	60.72	1.86%	2.06%
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%
0-25.82	2362.01	72.44%	80.00%

ZONAL LUMEN SUMMARY

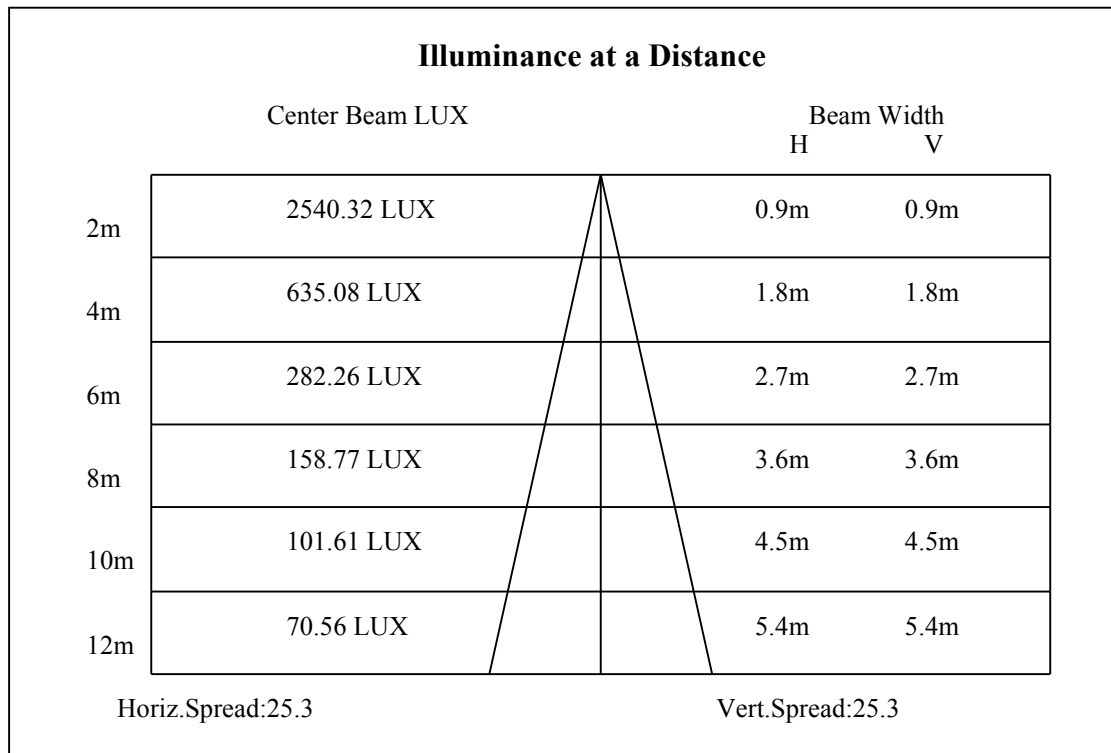
0-10	776.21
10-20	1127.25
20-30	680.75
30-40	219.55
40-50	53.02
50-60	33.65
60-70	26.63
70-80	20.10
80-90	13.99
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

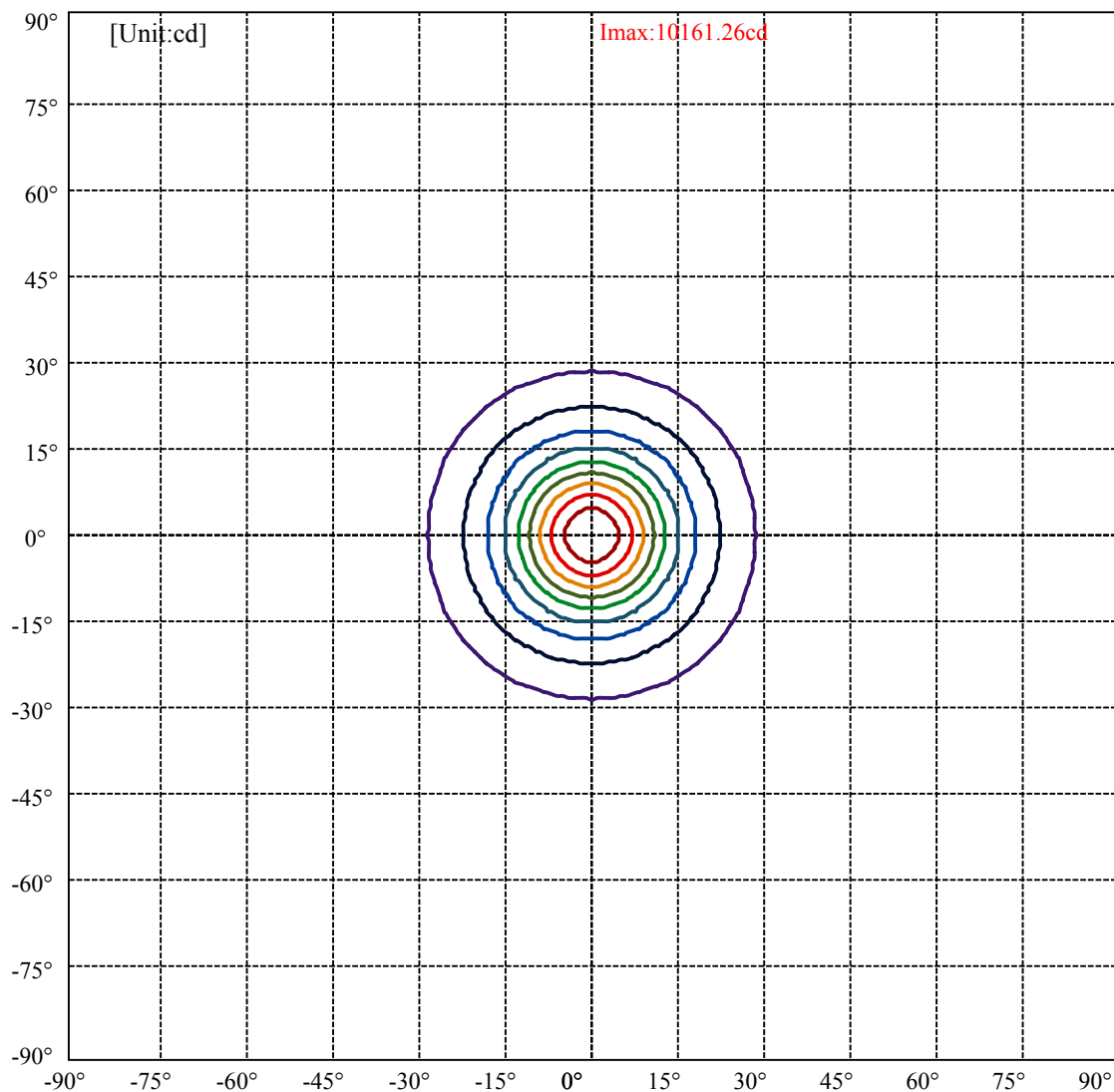


C0(Max): ———
C0/C180: ———
C90/C270: ———

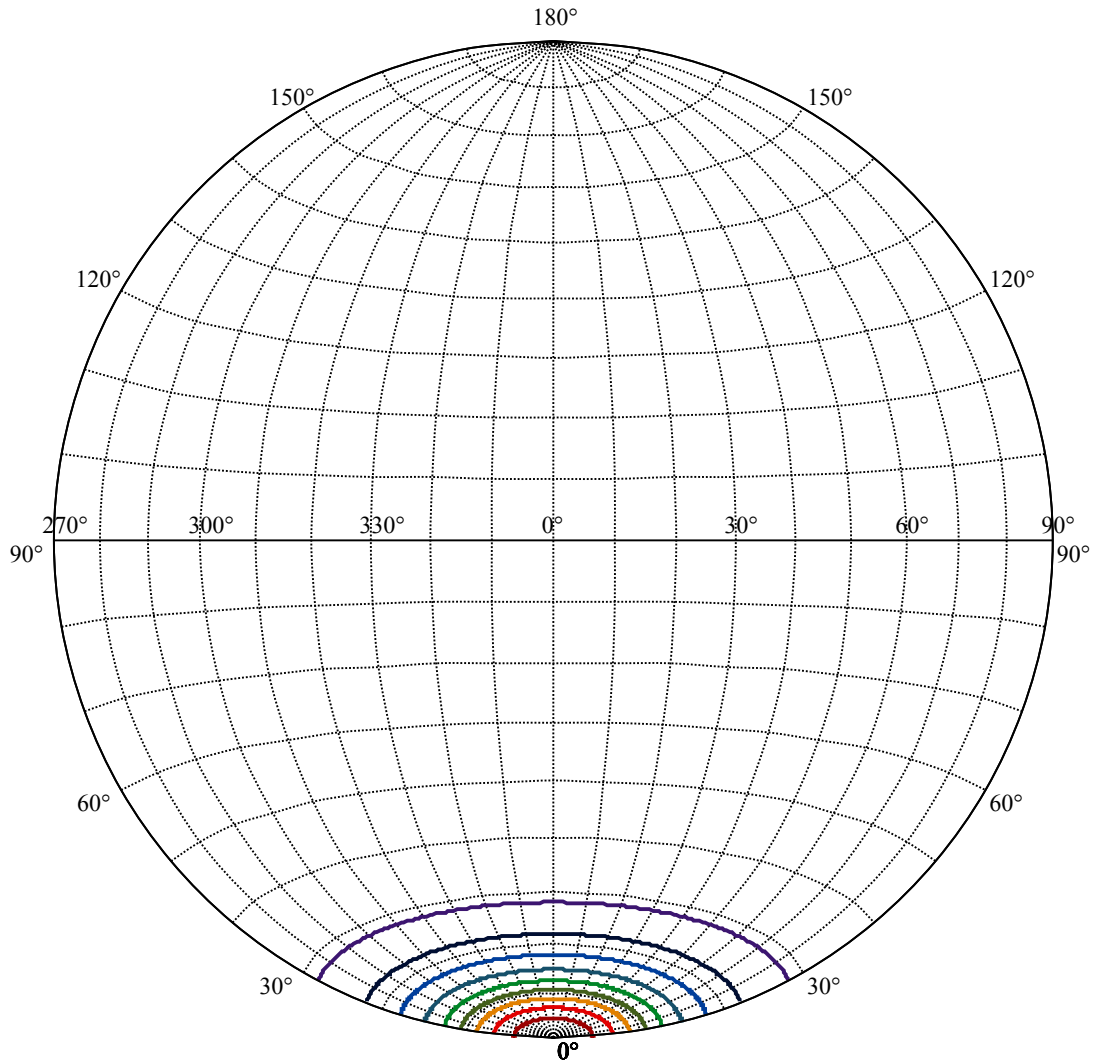
Field angle(10%Imax):C0/180Left:28.1 Right:28.1
:C90/270Left:28.1 Right:28.1

Beam Angle(50%Imax):C0/180Left:12.6 Right:12.6
:C90/270Left:12.6 Right:12.6





(10%Imax) 1016.13	—
(20%Imax) 2032.25	—
(30%Imax) 3048.38	—
(40%Imax) 4064.5	—
(50%Imax) 5080.63	—
(60%Imax) 6096.76	—
(70%Imax) 7112.88	—
(80%Imax) 8129.01	—
(90%Imax) 9145.13	—



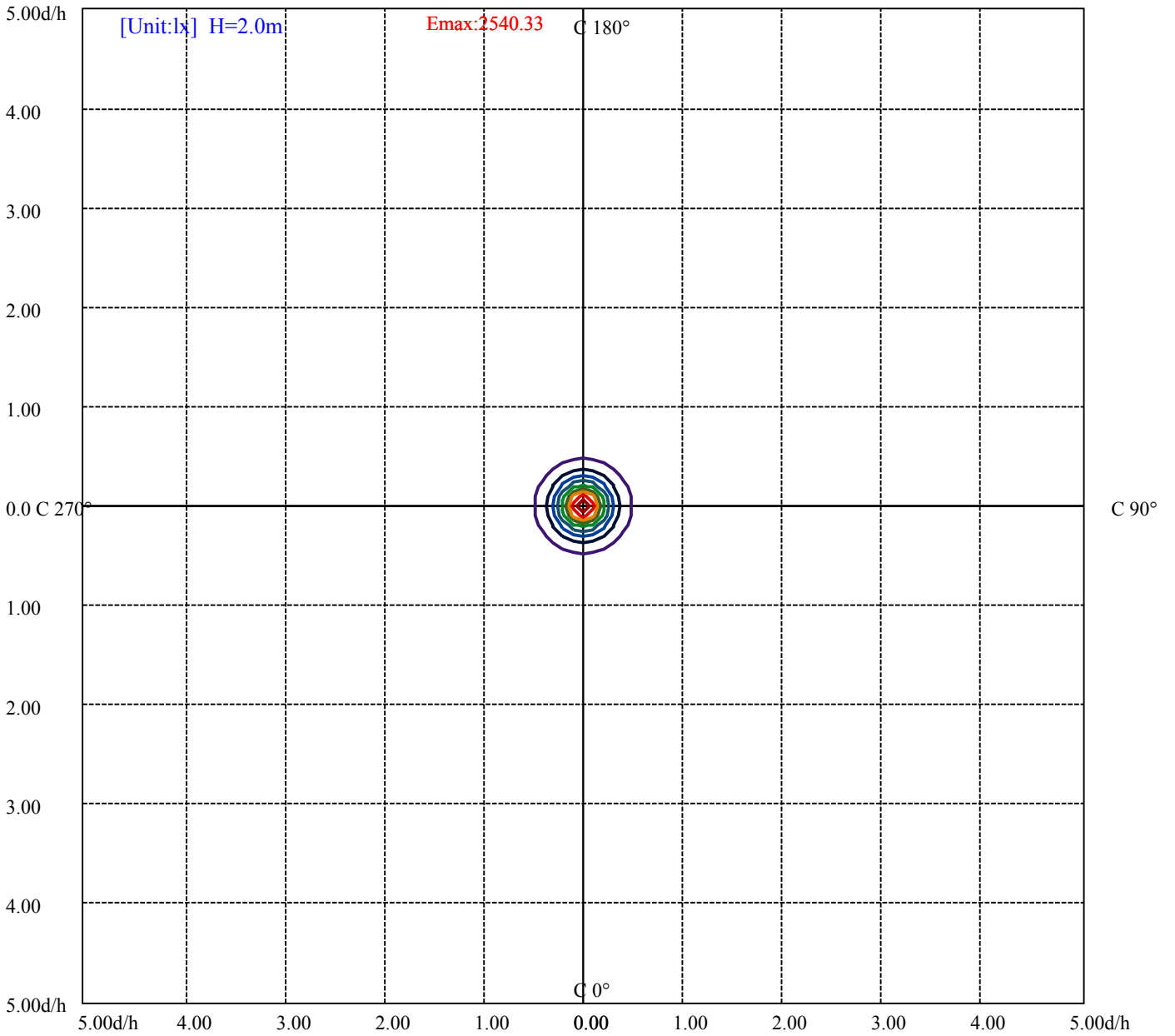
House

[Unit:cd]

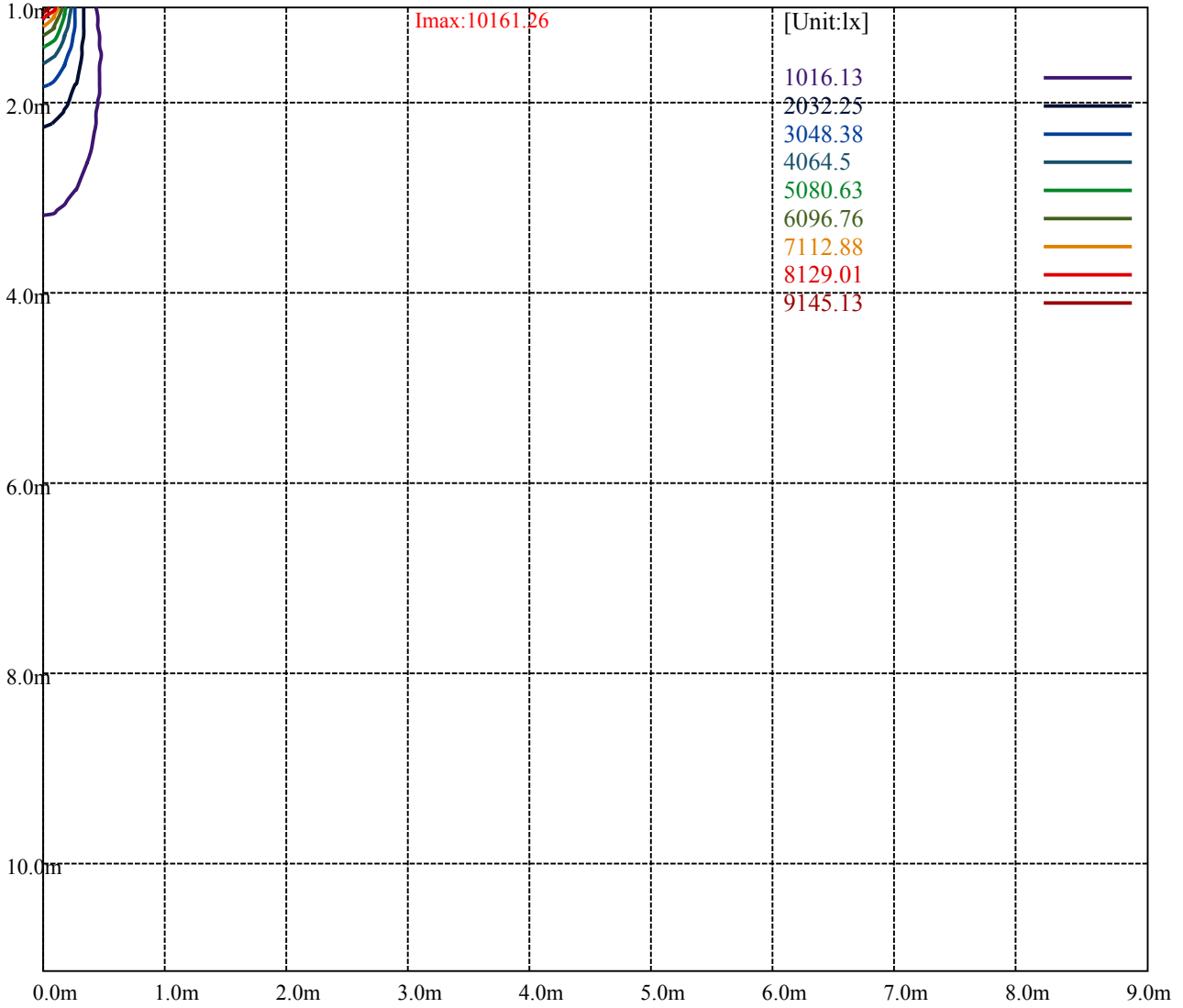
Road

Imax:10161.26

(10%Imax)	1016.13	—
(20%Imax)	2032.25	—
(30%Imax)	3048.38	—
(40%Imax)	4064.5	—
(50%Imax)	5080.63	—
(60%Imax)	6096.76	—
(70%Imax)	7112.88	—
(80%Imax)	8129.01	—
(90%Imax)	9145.13	—



(10%Emax) 254.0325	—
(20%Emax) 508.0625	—
(30%Emax) 762.095	—
(40%Emax) 1016.125	—
(50%Emax) 1270.157	—
(60%Emax) 1524.188	—
(70%Emax) 1778.22	—
(80%Emax) 2032.25	—
(90%Emax) 2286.282	—



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

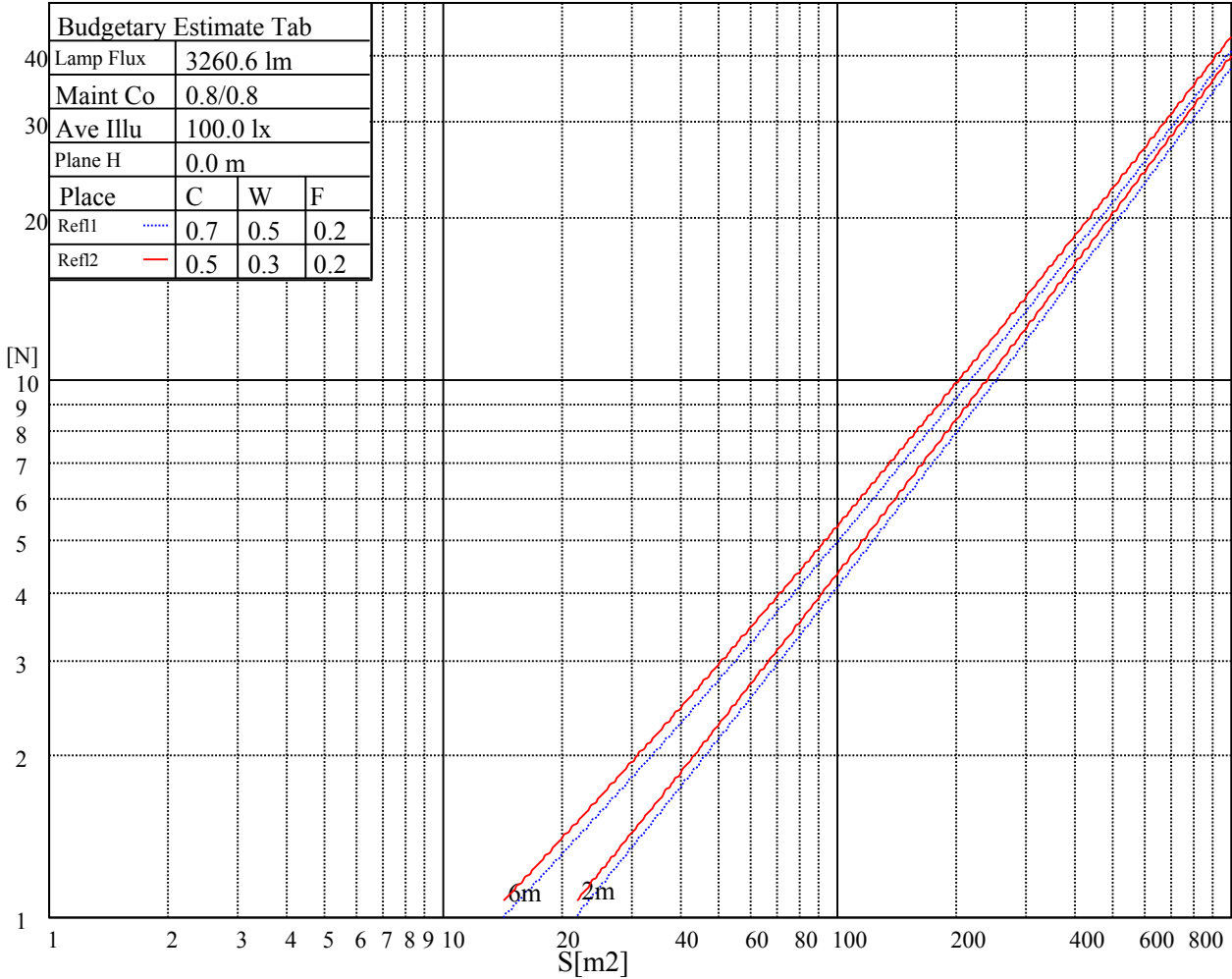
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

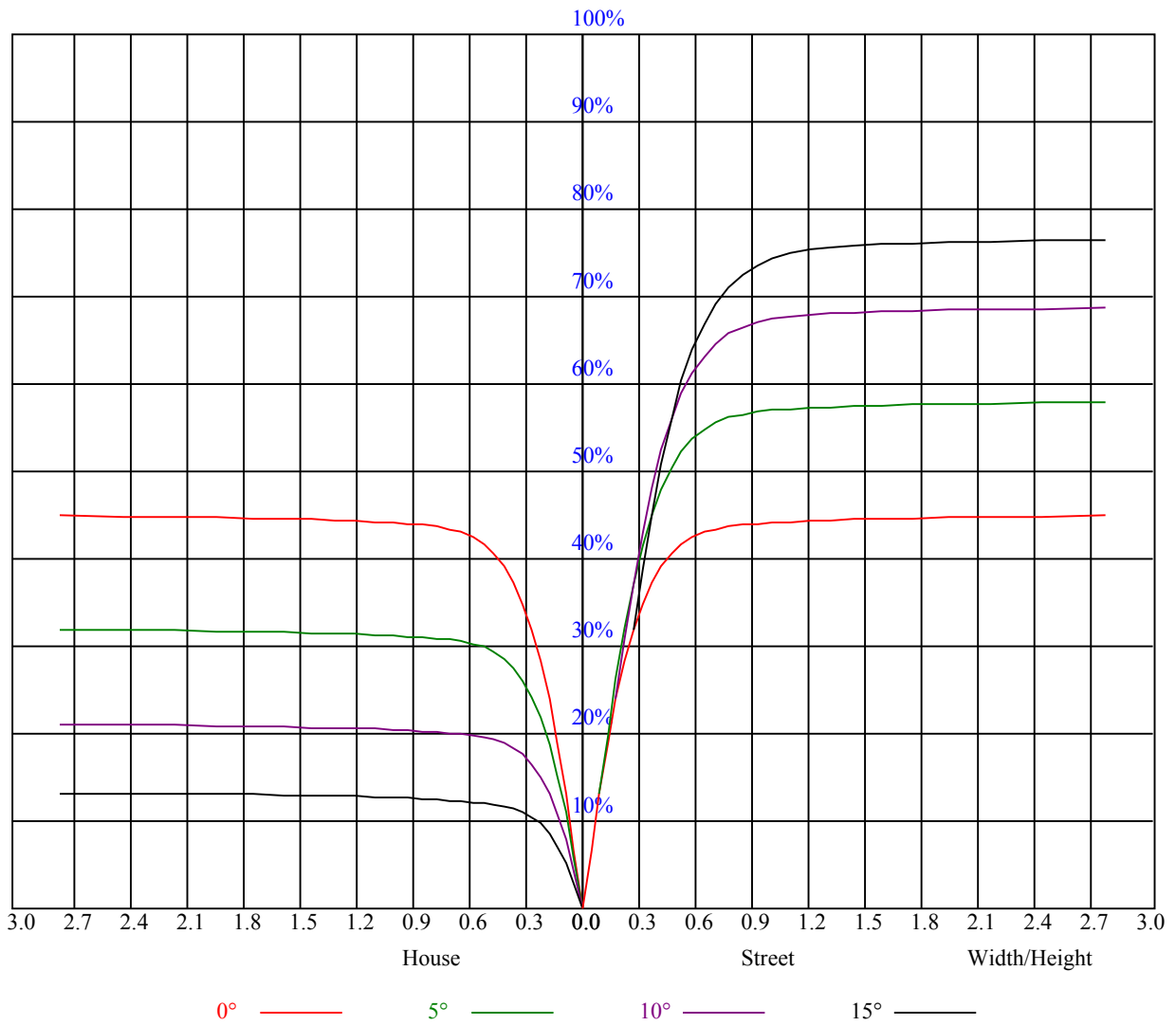


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
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 RHOF=20 CU															
0	1.08	1.08	1.08	1.05	1.05	1.05	1.01	1.01	1.01	0.96	0.96	0.96	0.92	0.92	0.92	0.91
1	1.01	0.99	0.97	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
2	0.95	0.92	0.89	0.94	0.91	0.88	0.91	0.89	0.87	0.88	0.86	0.85	0.86	0.84	0.83	0.82
3	0.90	0.87	0.83	0.89	0.86	0.83	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.78
4	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.76	0.80	0.77	0.75	0.74
5	0.82	0.78	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.71
6	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.74	0.72	0.69	0.68
7	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.66
8	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.63
9	0.70	0.65	0.63	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.61
10	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59



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	10175.10	9983.58	9718.99	9405.13	8929.64	8532.20	7980.33	7498.20	7009.98
45.0	10209.97	10138.01	10005.16	9764.38	9385.20	9037.03	8547.70	8112.62	7643.78
90.0	10098.71	9902.76	9583.37	9296.08	8951.78	8553.24	8043.99	7578.46	7065.33
135.0	10161.26	10077.68	9910.51	9593.33	9288.89	8939.61	8539.95	8020.18	7550.23
180.0	10175.10	10204.99	10148.53	9997.41	9747.22	9392.95	9049.21	8643.46	8076.64
225.0	10209.97	10156.28	9983.02	9690.75	9393.51	8933.52	8529.99	8094.91	7593.41
270.0	10098.71	10176.21	10187.28	10079.34	9747.22	9417.31	9049.76	8530.54	8066.13
315.0	10161.26	10198.35	10050.55	9803.68	9411.77	9033.15	8629.07	8045.65	7567.94
360.0	10175.10	9983.58	9718.99	9405.13	8929.64	8532.20	7980.33	7498.20	7009.98
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6369.54	5856.96	5341.07	4861.71	4348.03	3976.60	3631.20	3310.15	2955.33
45.0	7008.32	6517.33	5995.35	5342.18	4876.10	4468.14	4070.70	3625.66	3305.16
90.0	6540.03	6004.20	5362.66	4901.01	4402.83	4019.78	3668.28	3272.50	3004.59
135.0	7049.28	6531.72	5882.43	5373.73	4808.57	4418.32	4040.81	3602.41	3290.22
180.0	7624.40	7121.79	6468.62	5936.12	5305.09	4832.37	4421.65	4043.03	3610.16
225.0	6974.55	6464.19	5827.07	5330.55	4856.17	4341.94	3973.83	3628.43	3245.38
270.0	7586.21	7117.37	6486.89	5978.19	5473.36	4989.02	4430.50	4057.42	3716.44
315.0	7101.87	6478.03	5968.23	5460.08	4983.48	4459.84	4070.15	3722.53	3408.67
360.0	6369.54	5856.96	5341.07	4861.71	4348.03	3976.60	3631.20	3310.15	2955.33
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2697.38	2457.15	2188.68	1990.52	1808.96	1598.61	1444.18	1077.57	1077.57
45.0	3024.52	2759.93	2463.79	2243.48	2048.64	1825.56	1666.70	1472.96	1322.95
90.0	2748.86	2453.83	2237.95	2042.55	1857.11	1651.75	1493.44	1088.81	1088.81
135.0	3010.68	2761.59	2465.45	2247.91	2055.28	1873.72	1667.25	1511.71	1357.82
180.0	3297.41	3011.79	2748.31	2509.18	2231.86	2035.35	1859.33	1656.18	1507.28
225.0	2969.72	2707.90	2475.97	2256.21	2014.87	1841.06	1678.87	1487.35	1101.92
270.0	3318.45	3036.14	2775.98	2479.29	2258.98	2051.40	1830.54	1665.04	1509.49
315.0	3043.34	2774.32	2536.30	2257.32	2056.94	1832.20	1667.25	1513.37	1259.29
360.0	2697.38	2457.15	2188.68	1990.52	1808.96	1598.61	1444.18	1077.57	1077.57
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	974.28	847.69	733.16	606.56	515.01	433.25	361.18	285.57	235.81
45.0	1180.69	1041.75	880.68	764.43	658.15	561.29	450.02	374.19	309.98
90.0	1019.23	888.04	765.76	634.68	540.03	435.47	362.34	299.91	237.08
135.0	1212.80	1036.77	906.14	755.58	649.85	553.54	446.70	373.64	309.98
180.0	1326.27	1185.67	1050.61	891.19	769.42	654.83	556.86	447.26	371.98
225.0	1101.92	1035.22	905.03	754.25	647.25	551.54	465.19	388.53	307.10
270.0	1366.68	1189.55	1055.04	926.07	804.84	665.35	570.14	482.13	386.37
315.0	1089.47	1057.86	927.95	804.40	667.23	567.32	478.70	400.32	317.51
360.0	974.28	847.69	733.16	606.56	515.01	433.25	361.18	285.57	235.81
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	194.24	161.08	128.31	109.27	91.83	81.81	72.29	66.15	61.00
45.0	281.20	281.20	161.63	135.23	111.04	96.98	86.35	76.00	69.30
90.0	197.67	165.95	140.71	121.34	102.68	91.06	81.54	73.73	66.04
135.0	281.75	281.75	164.84	138.44	118.18	99.08	87.07	77.22	68.03
180.0	307.77	279.54	279.54	162.46	135.84	115.19	96.20	84.97	74.17
225.0	253.08	208.79	165.12	138.16	117.07	101.19	86.63	77.83	70.74
270.0	321.05	279.54	279.54	171.98	138.66	118.68	103.57	92.00	83.09
315.0	262.27	206.63	171.26	142.98	115.97	100.19	88.29	77.27	70.35
360.0	194.24	161.08	128.31	109.27	91.83	81.81	72.29	66.15	61.00

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	56.52	51.92	48.71	46.00	43.62	41.35	39.69	38.47	37.47
45.0	63.71	57.79	53.97	50.54	47.60	44.50	42.51	40.85	39.41
90.0	61.11	55.96	52.53	49.43	46.33	44.23	42.57	40.74	39.58
135.0	62.44	57.79	52.86	49.60	46.16	43.95	42.12	40.52	38.97
180.0	67.48	61.89	56.18	52.42	49.10	46.33	43.40	41.57	39.85
225.0	63.66	58.84	53.80	50.43	47.49	45.00	42.46	40.74	39.36
270.0	74.12	68.25	63.16	58.67	54.03	50.93	47.38	45.17	43.18
315.0	64.60	59.67	54.69	51.26	48.27	45.67	43.07	41.24	39.74
360.0	56.52	51.92	48.71	46.00	43.62	41.35	39.69	38.47	37.47
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	36.20	35.32	34.26	33.49	32.66	31.33	30.22	29.34	28.51
45.0	37.97	36.92	35.81	34.87	34.04	32.94	31.83	30.78	29.78
90.0	38.42	37.42	36.04	35.09	34.10	32.88	31.33	30.39	29.45
135.0	37.86	36.92	35.98	34.71	33.77	32.82	31.44	30.39	29.39
180.0	38.58	37.31	36.37	35.65	34.43	33.54	32.66	31.33	30.28
225.0	38.19	36.92	35.98	34.93	34.04	32.94	31.94	30.56	29.56
270.0	41.13	39.85	38.64	37.25	36.15	35.15	34.21	33.05	31.50
315.0	38.19	37.03	35.87	34.87	33.99	33.10	31.88	30.72	29.67
360.0	36.20	35.32	34.26	33.49	32.66	31.33	30.22	29.34	28.51
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	27.34	26.51	25.74	24.91	23.80	22.97	22.31	21.37	20.59
45.0	28.67	27.79	26.96	26.24	25.24	24.41	23.64	22.81	22.09
90.0	28.17	27.29	26.24	25.41	24.47	23.58	22.58	21.81	21.03
135.0	28.23	27.29	26.46	25.46	24.63	23.75	22.97	22.03	21.20
180.0	29.06	28.06	27.18	26.24	25.30	24.47	23.69	22.92	22.14
225.0	28.62	27.46	26.63	25.79	24.91	23.86	23.08	22.31	21.53
270.0	30.44	29.45	28.17	27.34	26.40	25.52	24.36	23.30	22.53
315.0	28.73	27.57	26.68	25.85	25.08	23.91	23.08	22.09	21.26
360.0	27.34	26.51	25.74	24.91	23.80	22.97	22.31	21.37	20.59
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.93	19.32	18.88	18.27	17.82	17.38	16.94	16.44	15.89
45.0	21.20	20.65	20.09	19.43	18.93	18.43	17.82	17.16	16.66
90.0	20.20	19.65	19.15	18.65	18.21	17.55	17.05	16.50	16.00
135.0	20.43	19.82	19.15	18.65	18.10	17.55	17.05	16.55	16.16
180.0	21.20	20.48	19.65	19.15	18.60	18.10	17.71	17.33	16.88
225.0	20.59	19.98	19.43	18.88	18.38	17.82	17.38	16.99	16.50
270.0	21.70	20.87	20.04	19.43	18.82	18.32	17.60	17.10	16.66
315.0	20.48	19.65	19.10	18.49	17.99	17.38	16.83	16.44	15.94
360.0	19.93	19.32	18.88	18.27	17.82	17.38	16.94	16.44	15.89
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.50	15.00	14.61	14.28	13.89	13.17	12.84	12.62	12.57
45.0	16.16	15.55	15.00	14.56	14.17	13.40	13.06	12.73	12.34
90.0	15.55	15.06	14.56	14.17	13.34	13.12	12.73	12.40	12.29
135.0	15.78	15.28	14.83	14.45	13.78	13.34	12.95	12.68	12.40
180.0	16.50	16.05	15.78	15.22	14.72	13.84	13.28	12.95	12.62
225.0	16.00	15.55	15.06	14.50	14.17	13.34	13.01	12.68	12.34
270.0	16.11	15.67	15.06	14.67	14.23	13.84	13.34	12.95	12.57
315.0	15.39	15.00	14.56	14.17	13.84	13.51	13.12	12.79	12.45
360.0	15.50	15.00	14.61	14.28	13.89	13.17	12.84	12.62	12.57

Intensity data(cd)

C/ γ (°)	90.0
0.0	12.40
45.0	12.34
90.0	12.29
135.0	12.34
180.0	12.40
225.0	12.29
270.0	12.29
315.0	12.34
360.0	12.40