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NT

Client:

LumCAT: 2-2688-L

Luminaire: 92.70.412.00

Report No: 2024320-B012

Ballast type: AC

Test No: 2024320-C012

Voltage(V): 35.160

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.451

Lamp flux(lm): 2717.0

Power (W): 15.857

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2224.80, Efficiency(%): 81.88% , Luminous Efficacy(lm/W): 140.30

Central intensity(cd): 5429.484, Maximum intensity(cd): 5429.484

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=35.2

[C90/270]Total=35.2

Field angle(10%Imax): [C0/180]Total=60.8

[C90/270]Total=60.8

Maximum s/h(1/2): C0_180=0.58 C90_270=0.58

Maximum s/h(1/4): C0_180=0.58 C90_270=0.58

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 81.88%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.739%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/20
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	5429.483	0.000	0	0.00%	0.00%
1.0	5424.802	5.194	5.194	0.19%	0.23%
2.0	5407.976	15.548	20.742	0.57%	0.93%
3.0	5381.129	25.804	46.546	0.95%	2.09%
4.0	5339.139	35.884	82.43	1.32%	3.71%
5.0	5276.081	45.666	128.096	1.68%	5.76%
6.0	5180.251	54.951	183.047	2.02%	8.23%
7.0	5047.770	63.485	246.532	2.34%	11.08%
8.0	4899.709	71.192	317.724	2.62%	14.28%
9.0	4734.090	78.077	395.801	2.87%	17.79%
10.0	4529.481	83.832	479.633	3.09%	21.56%
11.0	4322.823	88.453	568.086	3.26%	25.53%
12.0	4086.392	91.925	660.01	3.38%	29.67%
13.0	3855.667	94.252	754.263	3.47%	33.90%
14.0	3602.045	95.458	849.721	3.51%	38.19%
15.0	3344.766	95.369	945.09	3.51%	42.48%
16.0	3094.728	94.357	1039.446	3.47%	46.72%
17.0	2847.032	92.529	1131.975	3.41%	50.88%
18.0	2614.624	90.051	1222.026	3.31%	54.93%
19.0	2373.439	86.782	1308.808	3.19%	58.83%
20.0	2150.395	82.799	1391.607	3.05%	62.55%
21.0	1932.398	78.398	1470.005	2.89%	66.07%
22.0	1733.495	73.668	1543.673	2.71%	69.38%
23.0	1543.736	68.765	1612.438	2.53%	72.48%
24.0	1315.235	62.507	1674.945	2.30%	75.29%
25.0	1247.056	58.261	1733.206	2.14%	77.90%
26.0	1110.816	55.658	1788.864	2.05%	80.41%
27.0	966.543	50.823	1839.687	1.87%	82.69%
28.0	832.841	45.557	1885.243	1.68%	84.74%
29.0	707.252	40.293	1925.537	1.48%	86.55%
30.0	591.670	35.071	1960.607	1.29%	88.13%
31.0	481.296	29.859	1990.466	1.10%	89.47%
32.0	379.489	24.660	2015.127	0.91%	90.58%
33.0	291.530	19.768	2034.895	0.73%	91.46%
34.0	243.073	16.179	2051.074	0.60%	92.19%
35.0	199.013	13.730	2064.804	0.51%	92.81%
36.0	129.540	10.461	2075.265	0.39%	93.28%
37.0	113.146	7.915	2083.18	0.29%	93.63%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	102.114	7.185	2090.365	0.26%	93.96%
39.0	91.968	6.625	2096.989	0.24%	94.26%
40.0	83.782	6.130	2103.119	0.23%	94.53%
41.0	76.182	5.696	2108.815	0.21%	94.79%
42.0	70.205	5.318	2114.134	0.20%	95.03%
43.0	64.250	4.981	2119.114	0.18%	95.25%
44.0	59.342	4.665	2123.779	0.17%	95.46%
45.0	55.004	4.394	2128.173	0.16%	95.66%
46.0	51.076	4.149	2132.322	0.15%	95.84%
47.0	47.798	3.932	2136.254	0.14%	96.02%
48.0	44.660	3.738	2139.992	0.14%	96.19%
49.0	41.997	3.559	2143.551	0.13%	96.35%
50.0	39.612	3.403	2146.953	0.13%	96.50%
51.0	37.462	3.261	2150.214	0.12%	96.65%
52.0	35.530	3.132	2153.346	0.12%	96.79%
53.0	33.694	3.011	2156.358	0.11%	96.92%
54.0	32.034	2.897	2159.255	0.11%	97.05%
55.0	30.424	2.788	2162.043	0.10%	97.18%
56.0	29.034	2.687	2164.729	0.10%	97.30%
57.0	27.564	2.588	2167.317	0.10%	97.42%
58.0	26.196	2.486	2169.803	0.09%	97.53%
59.0	25.033	2.395	2172.198	0.09%	97.64%
60.0	23.789	2.307	2174.505	0.08%	97.74%
61.0	22.714	2.219	2176.724	0.08%	97.84%
62.0	21.683	2.139	2178.863	0.08%	97.94%
63.0	20.849	2.069	2180.932	0.08%	98.03%
64.0	19.978	2.003	2182.935	0.07%	98.12%
65.0	19.276	1.943	2184.878	0.07%	98.21%
66.0	18.742	1.897	2186.775	0.07%	98.29%
67.0	18.303	1.863	2188.637	0.07%	98.37%
68.0	18.047	1.841	2190.479	0.07%	98.46%
69.0	18.208	1.850	2192.328	0.07%	98.54%
70.0	18.537	1.887	2194.216	0.07%	98.63%
71.0	18.910	1.935	2196.151	0.07%	98.71%
72.0	18.969	1.970	2198.121	0.07%	98.80%
73.0	18.983	1.985	2200.105	0.07%	98.89%
74.0	19.012	1.998	2202.103	0.07%	98.98%
75.0	18.705	1.993	2204.096	0.07%	99.07%

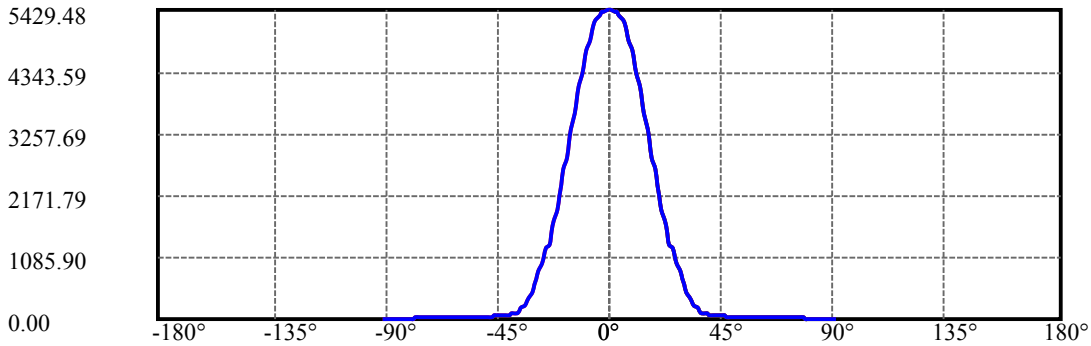
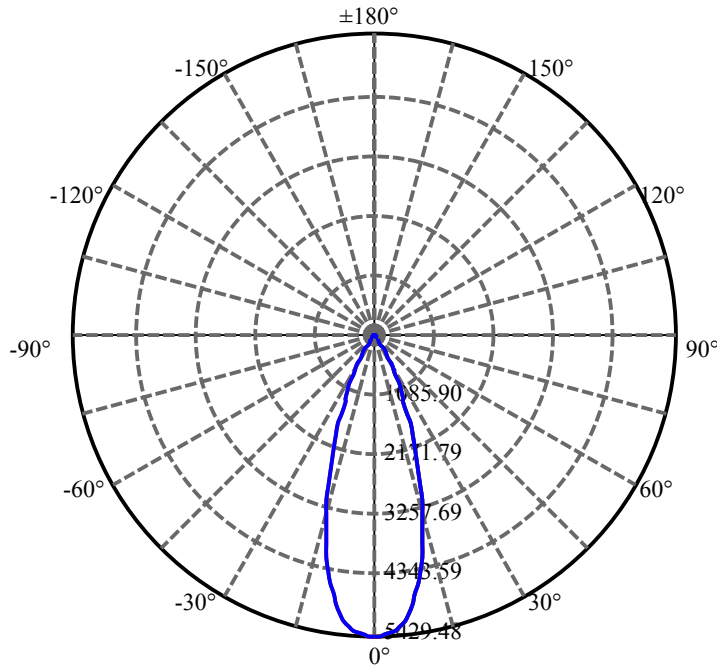
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.179	1.958	2206.053	0.07%	99.16%
77.0	17.469	1.901	2207.954	0.07%	99.24%
78.0	16.613	1.824	2209.778	0.07%	99.32%
79.0	15.421	1.721	2211.5	0.06%	99.40%
80.0	14.031	1.588	2213.087	0.06%	99.47%
81.0	12.458	1.432	2214.52	0.05%	99.54%
82.0	11.653	1.308	2215.827	0.05%	99.60%
83.0	11.192	1.242	2217.069	0.05%	99.65%
84.0	10.914	1.204	2218.274	0.04%	99.71%
85.0	10.600	1.174	2219.448	0.04%	99.76%
86.0	10.081	1.130	2220.578	0.04%	99.81%
87.0	9.744	1.085	2221.663	0.04%	99.86%
88.0	9.546	1.057	2222.72	0.04%	99.91%
89.0	9.451	1.041	2223.761	0.04%	99.95%
90.0	9.444	1.036	2224.797	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1960.61	72.16%	88.13%
0-40	2103.12	77.41%	94.53%
0-60	2174.50	80.03%	97.74%
0-90	2223.76	81.85%	99.95%
0-120	2223.76	81.85%	99.95%
0-180	2224.80	81.88%	100.00%
60-90	49.26	1.81%	2.21%
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%
0-25.84	1779.84	65.51%	80.00%

ZONAL LUMEN SUMMARY

0-10	479.63
10-20	911.97
20-30	569.00
30-40	142.51
40-50	43.83
50-60	27.55
60-70	19.71
70-80	18.87
80-90	10.67
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



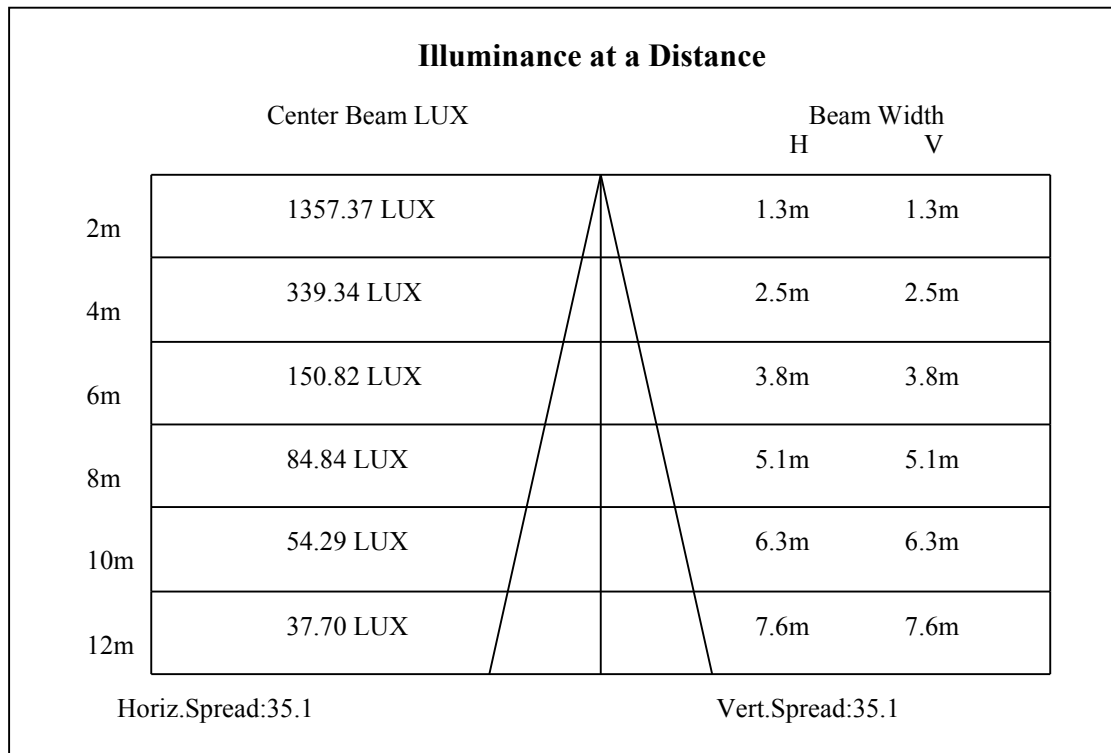
C0(Max): —————

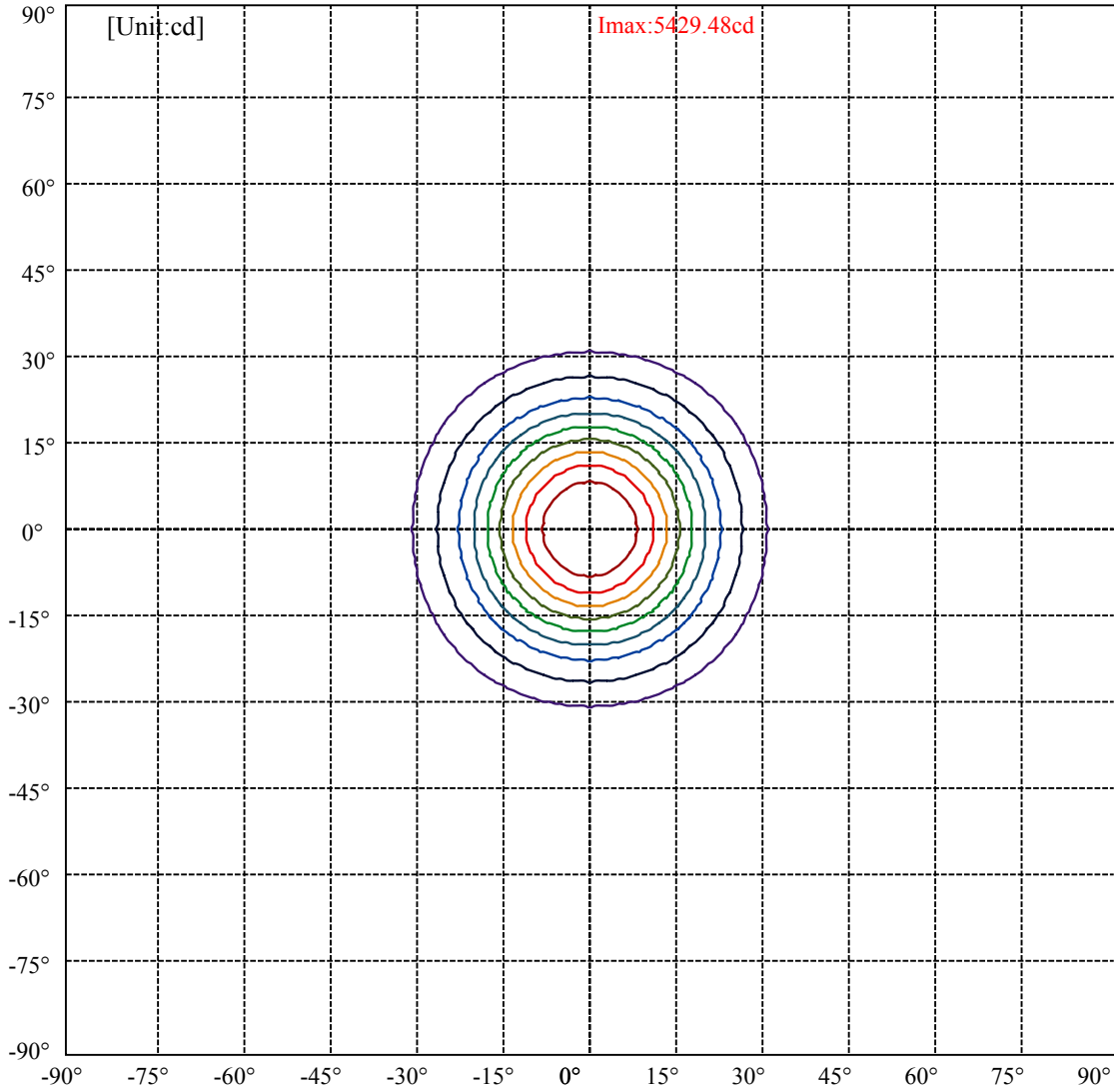
C0/C180: —————

C90/C270: —————

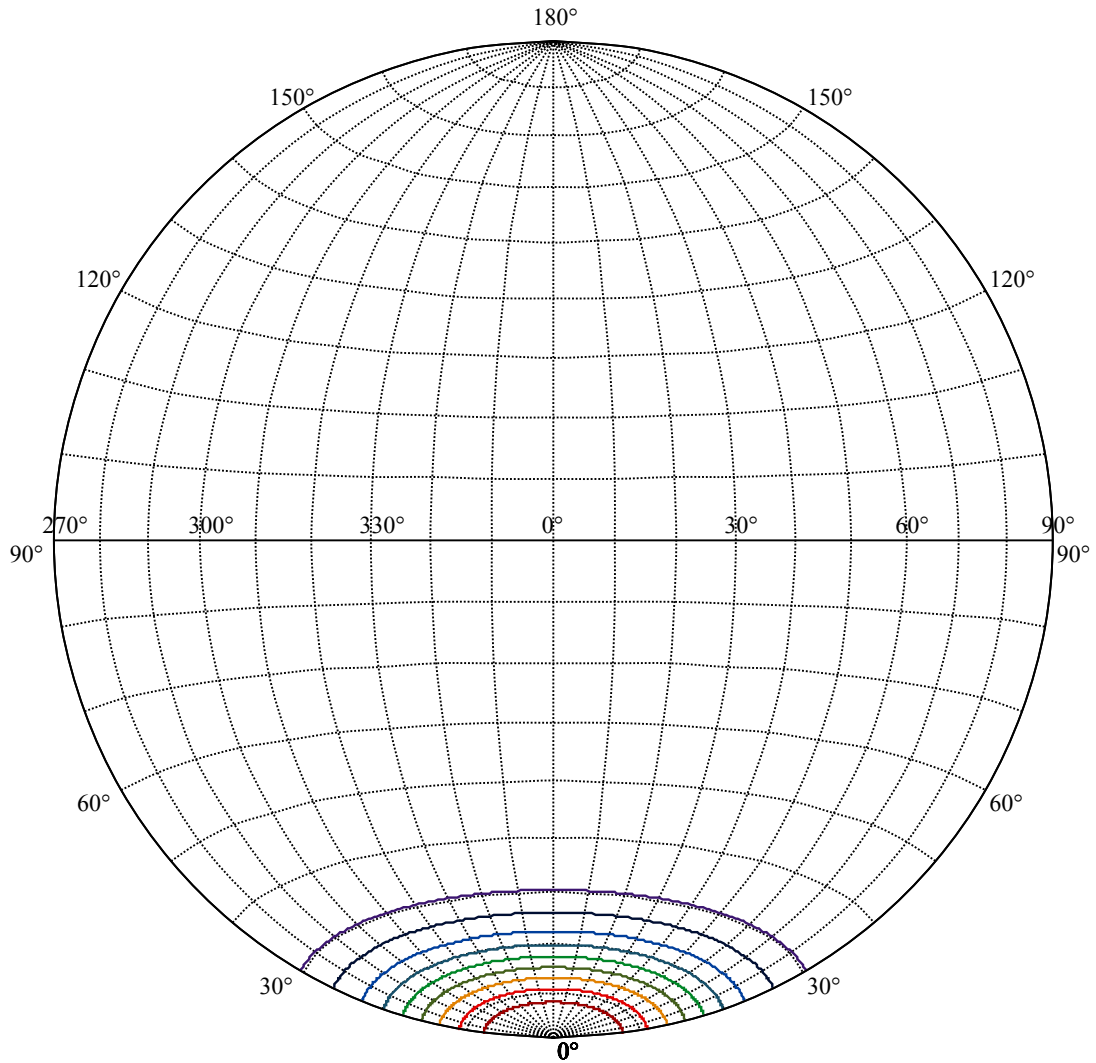
Field angle(10%Imax):C0/180Left:30.4 Right:30.4
:C90/270Left:30.4 Right:30.4

Beam Angle(50%Imax):C0/180Left:17.6 Right:17.6
:C90/270Left:17.6 Right:17.6





(10%Imax) 542.948	—
(20%Imax) 1085.9	—
(30%Imax) 1628.85	—
(40%Imax) 2171.79	—
(50%Imax) 2714.74	—
(60%Imax) 3257.69	—
(70%Imax) 3800.64	—
(80%Imax) 4343.59	—
(90%Imax) 4886.54	—



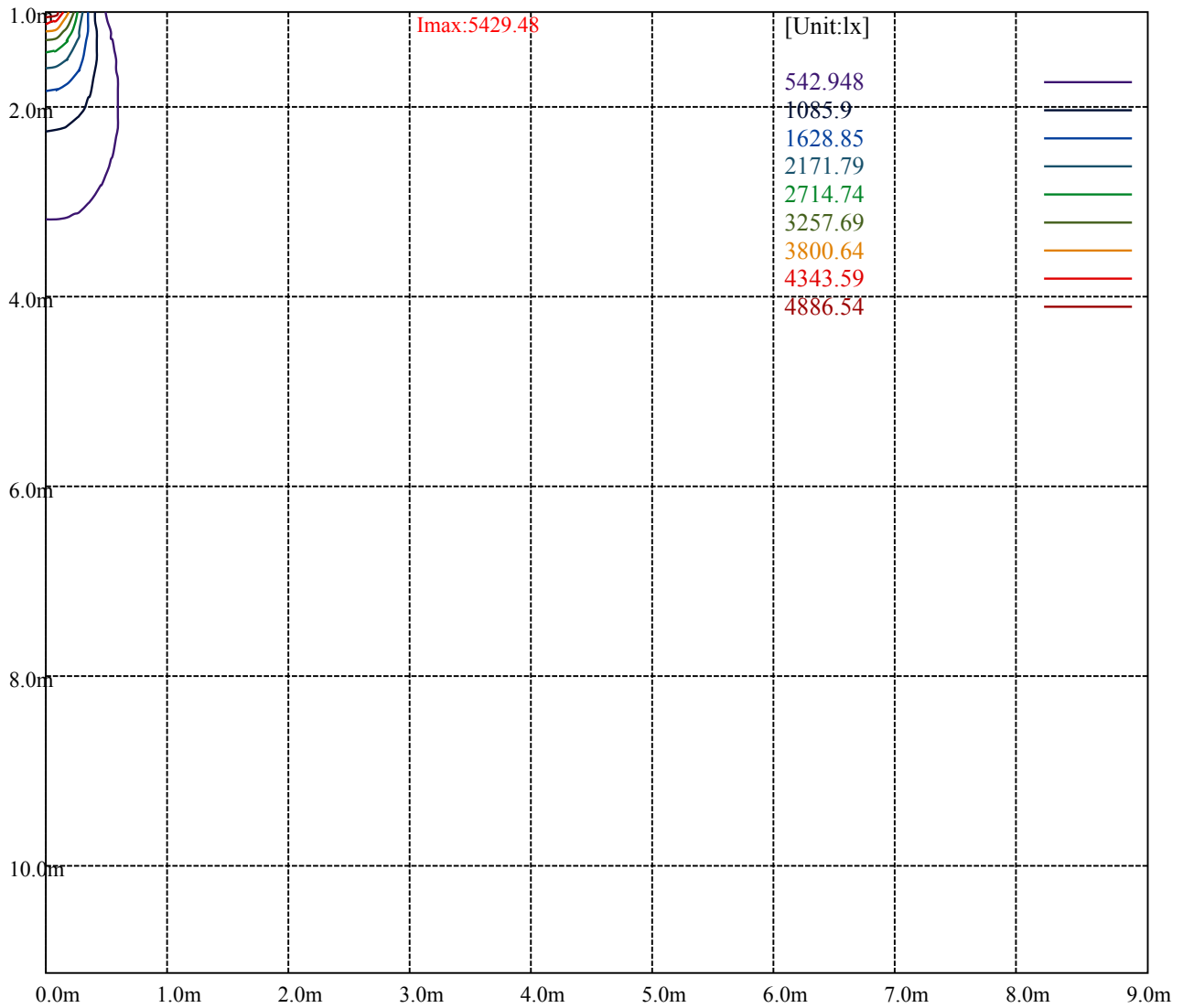
House

[Unit:cd]

Road

Imax:5429.48

(10%Imax) 542.948	—
(20%Imax) 1085.9	—
(30%Imax) 1628.85	—
(40%Imax) 2171.79	—
(50%Imax) 2714.74	—
(60%Imax) 3257.69	—
(70%Imax) 3800.64	—
(80%Imax) 4343.59	—
(90%Imax) 4886.54	—



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

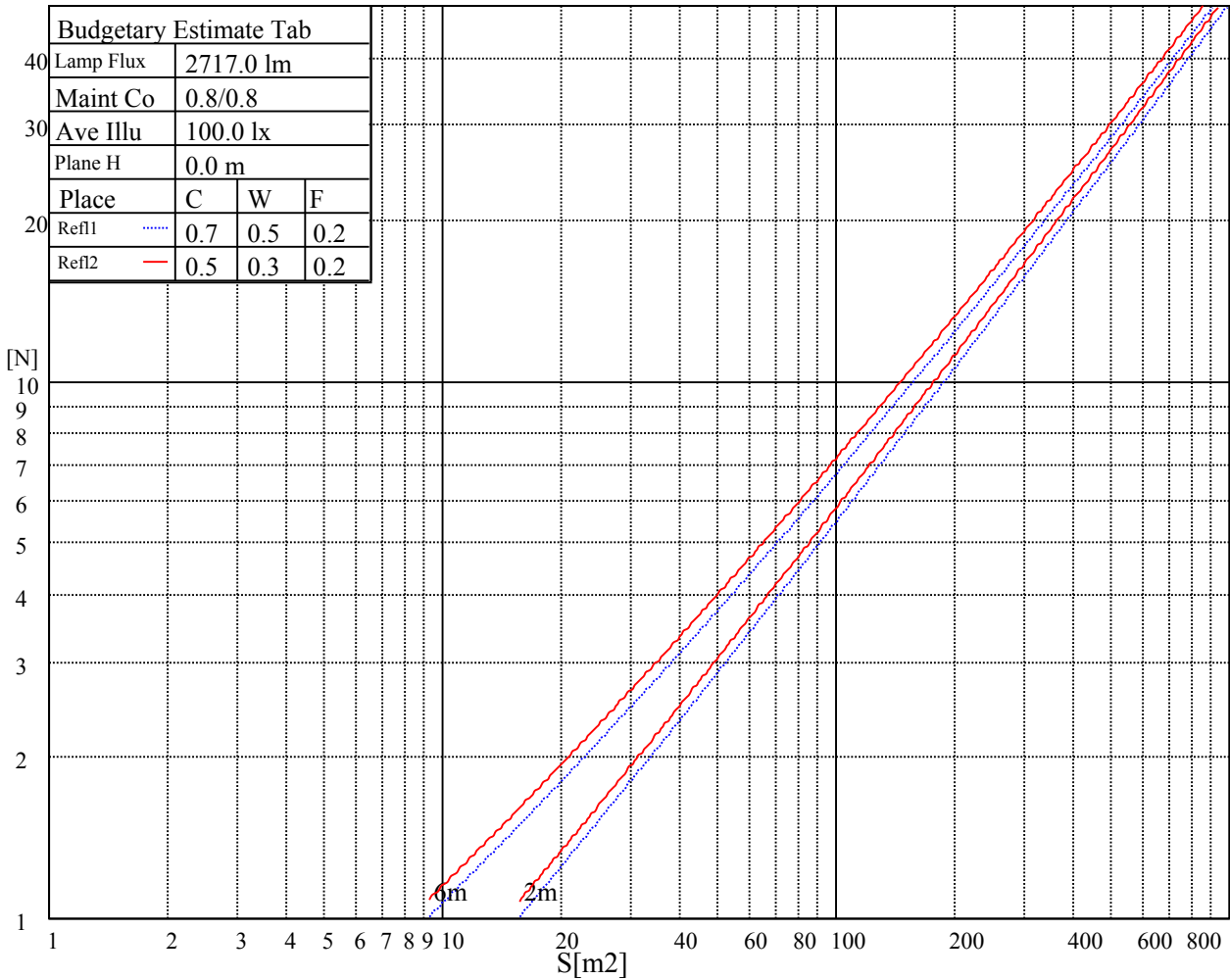
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

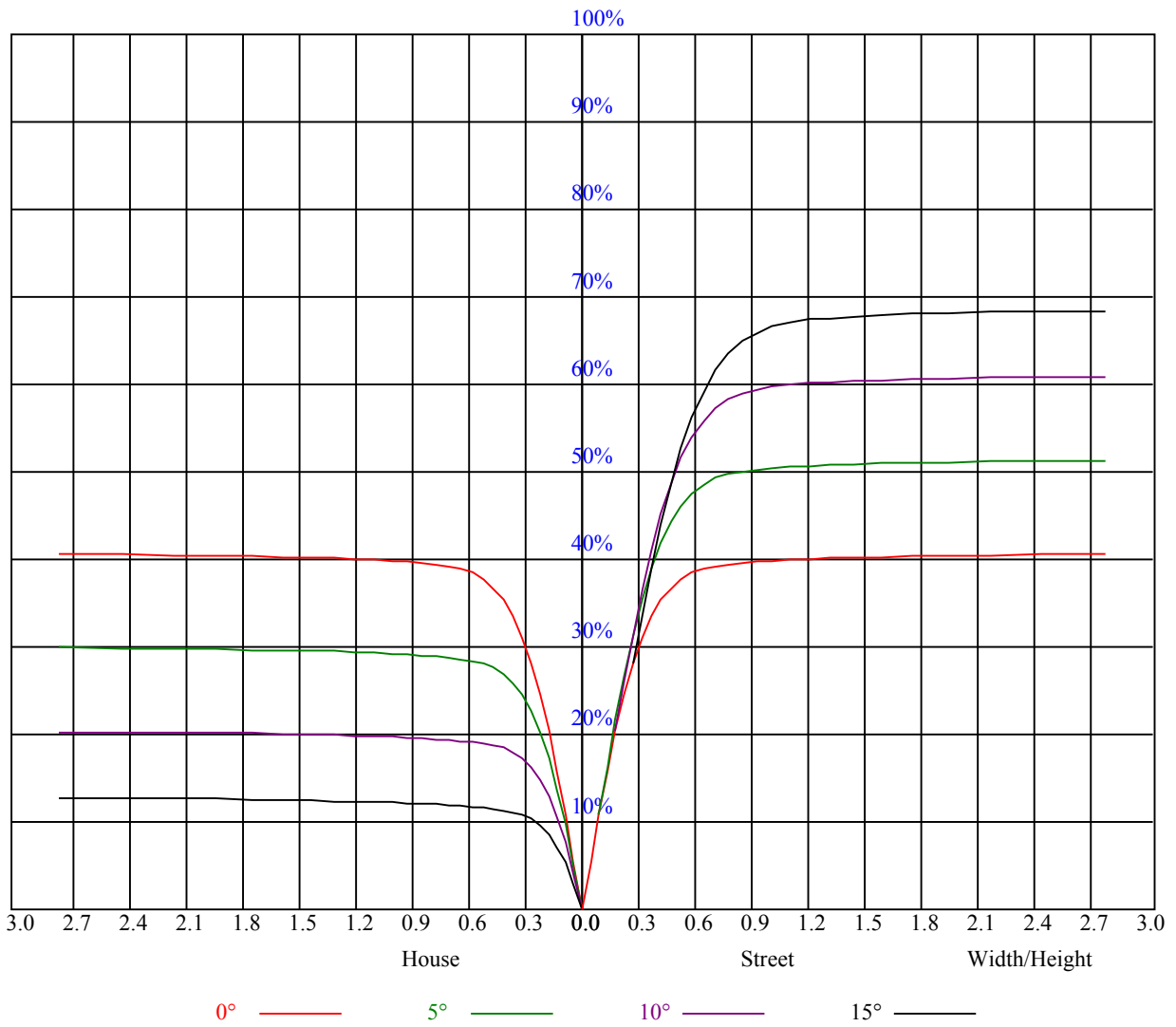


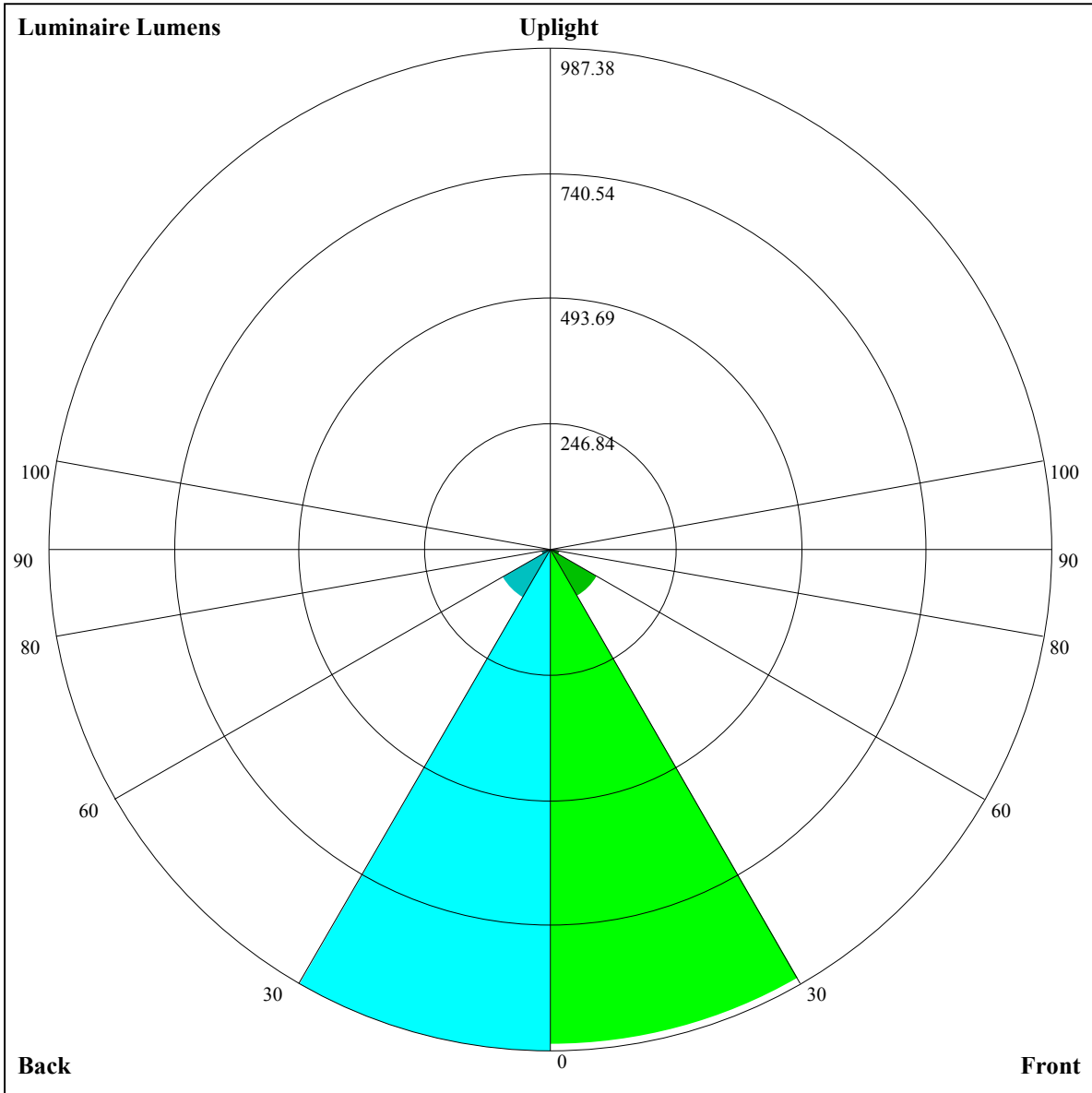
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOFC=20 CU															
0	0.97	0.97	0.97	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.84	0.84	0.84	0.82
1	0.91	0.89	0.88	0.89	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.77
2	0.86	0.83	0.80	0.84	0.82	0.80	0.82	0.80	0.78	0.79	0.78	0.76	0.77	0.76	0.75	0.73
3	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.74	0.72	0.71	0.70
4	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.71	0.69	0.73	0.70	0.68	0.71	0.69	0.67	0.66
5	0.73	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.69	0.66	0.64	0.63
6	0.70	0.66	0.63	0.70	0.66	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.64	0.62	0.61
7	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.56
9	0.62	0.58	0.55	0.61	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.59	0.57	0.54	0.54
10	0.59	0.56	0.53	0.59	0.55	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.57	0.55	0.52	0.52





Luminaire Lumens:

FL=973.91,FM=107.49,FH=19.41,FVH=6

BL=987.38,BM=110.55,BH=18.15,BVH=5.78

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	5433.87	5423.92	5400.51	5373.01	5309.80	5236.07	5133.07	4969.79	4821.14
45.0	5432.12	5432.70	5425.68	5402.86	5375.94	5329.70	5250.11	5151.21	4993.78
90.0	5429.19	5423.34	5404.03	5365.99	5321.51	5254.21	5125.46	4999.05	4850.99
135.0	5422.75	5421.00	5416.90	5396.42	5366.57	5327.36	5260.65	5135.99	5010.75
180.0	5433.87	5432.70	5420.41	5399.93	5369.50	5312.73	5236.65	5138.33	4984.42
225.0	5432.12	5420.41	5390.57	5360.13	5311.56	5237.24	5103.22	4970.96	4815.88
270.0	5429.19	5432.12	5419.24	5399.34	5357.79	5308.05	5241.92	5105.56	4975.64
315.0	5422.75	5412.22	5386.47	5351.36	5300.44	5203.29	5090.93	4911.27	4745.06
360.0	5433.87	5423.92	5400.51	5373.01	5309.80	5236.07	5133.07	4969.79	4821.14
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4656.69	4419.09	4210.17	3997.15	3707.46	3468.10	3229.92	2994.65	2713.16
45.0	4851.57	4684.78	4499.27	4249.96	4033.43	3809.29	3575.20	3275.56	3035.62
90.0	4684.20	4446.60	4238.84	4023.48	3793.49	3500.87	3263.27	2968.90	2741.25
135.0	4865.03	4659.03	4465.91	4212.51	3999.49	3777.10	3488.00	3251.57	3015.72
180.0	4835.19	4613.39	4417.92	4209.58	3991.88	3699.85	3463.42	3229.33	2988.22
225.0	4591.73	4393.93	4185.00	3909.95	3675.27	3440.01	3146.81	2911.55	2680.97
270.0	4821.73	4646.16	4451.87	4189.68	3970.22	3676.44	3436.50	3202.99	2905.70
315.0	4566.57	4372.86	4113.61	3898.83	3674.10	3444.69	3155.01	2923.26	2695.60
360.0	4656.69	4419.09	4210.17	3997.15	3707.46	3468.10	3229.92	2994.65	2713.16
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2494.29	2285.36	2081.12	1835.91	1651.56	1463.12	1163.66	1163.66	1031.40
45.0	2803.87	2528.23	2312.28	2109.21	1861.66	1676.73	1479.51	1346.08	1214.40
90.0	2521.79	2259.03	2057.12	1855.81	1624.64	1473.07	1165.53	1165.53	1029.82
135.0	2787.49	2568.61	2302.33	2095.75	1896.77	1708.92	1511.11	1378.85	1209.72
180.0	2703.80	2481.41	2259.03	2014.99	1823.03	1632.84	1453.76	1315.64	1182.21
225.0	2456.25	2189.97	1985.14	1790.26	1611.77	1331.45	1162.43	1162.43	1030.87
270.0	2676.29	2463.27	2196.41	1989.82	1807.82	1619.38	1436.79	1295.16	1172.26
315.0	2473.22	2211.62	2009.72	1767.44	1590.70	1444.39	1149.09	1149.09	1015.83
360.0	2494.29	2285.36	2081.12	1835.91	1651.56	1463.12	1163.66	1163.66	1031.40
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	900.90	779.46	665.63	532.73	435.06	345.28	248.08	184.93	142.09
45.0	1080.38	914.77	791.28	677.16	571.24	448.34	357.63	295.60	295.60
90.0	899.78	777.00	664.82	558.71	436.34	348.27	270.32	189.50	145.72
135.0	1070.44	932.91	776.65	666.04	565.39	447.17	355.88	312.57	312.57
180.0	1020.11	890.77	766.70	623.91	514.47	416.74	327.78	307.89	219.40
225.0	872.92	753.30	614.66	510.20	413.75	302.27	230.17	174.69	132.49
270.0	1032.40	877.90	751.49	639.12	505.11	407.38	300.28	300.28	214.25
315.0	855.42	736.62	626.78	525.47	409.01	320.47	242.11	179.14	129.98
360.0	900.90	779.46	665.63	532.73	435.06	345.28	248.08	184.93	142.09
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	120.44	106.10	96.62	88.49	81.52	73.68	68.18	62.09	58.00
45.0	150.75	127.93	114.65	101.24	92.58	83.28	76.84	70.99	65.78
90.0	124.24	109.85	100.01	89.54	82.52	76.14	70.40	64.02	59.46
135.0	142.74	122.60	110.84	100.48	89.77	82.46	75.85	69.88	63.32
180.0	138.11	122.08	107.74	98.14	87.61	80.12	73.45	66.07	60.92
225.0	116.99	105.75	95.92	85.38	78.13	71.51	65.66	59.40	55.13
270.0	131.21	109.96	99.43	90.48	82.75	74.21	68.24	62.97	58.46
315.0	111.84	100.89	91.70	81.99	75.38	68.06	63.03	58.58	53.67
360.0	120.44	106.10	96.62	88.49	81.52	73.68	68.18	62.09	58.00

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	54.31	50.04	47.11	44.48	42.14	39.44	37.51	35.76	34.12
45.0	60.10	56.24	52.55	49.33	45.71	43.13	40.73	38.57	36.23
90.0	55.42	51.73	48.46	44.83	42.25	39.33	37.34	35.58	33.47
135.0	58.70	53.61	49.98	46.82	43.31	40.85	38.68	36.69	34.53
180.0	56.47	52.55	48.34	45.41	42.66	40.32	37.63	35.76	33.94
225.0	51.38	47.34	44.54	41.38	39.27	37.22	35.41	33.24	31.72
270.0	53.43	49.92	46.94	43.60	41.26	39.15	36.69	34.94	33.30
315.0	50.21	47.17	44.48	41.43	39.39	37.45	35.70	33.71	32.25
360.0	54.31	50.04	47.11	44.48	42.14	39.44	37.51	35.76	34.12
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.19	30.84	29.50	27.86	26.69	25.52	24.17	23.17	22.36
45.0	34.53	32.54	31.08	29.73	27.97	26.69	25.52	24.35	22.88
90.0	31.89	30.14	28.79	27.39	26.10	24.99	23.53	22.41	21.54
135.0	32.89	31.37	29.90	28.21	26.80	25.52	24.17	23.00	21.71
180.0	32.25	30.37	29.03	27.27	25.98	24.87	23.53	22.47	21.59
225.0	30.31	28.91	27.27	25.93	24.87	23.58	22.53	21.59	20.60
270.0	31.43	30.02	28.73	27.39	25.81	24.76	23.64	22.59	21.42
315.0	30.78	29.20	27.97	26.74	25.34	24.35	23.23	22.12	21.36
360.0	32.19	30.84	29.50	27.86	26.69	25.52	24.17	23.17	22.36
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.36	20.60	20.13	19.78	19.43	19.37	19.66	20.01	20.60
45.0	22.12	21.24	20.54	20.25	20.13	20.31	21.36	22.53	23.64
90.0	20.72	19.61	18.90	18.26	17.50	16.91	16.27	15.80	15.33
135.0	20.89	20.13	19.31	18.49	18.14	18.02	18.14	18.90	19.72
180.0	20.78	19.72	19.08	18.49	17.91	17.32	17.21	17.38	17.85
225.0	19.72	19.02	18.32	17.85	17.67	17.91	18.79	19.31	19.20
270.0	20.60	19.84	18.84	18.26	17.56	16.91	16.44	15.86	15.45
315.0	20.60	19.66	19.08	18.55	18.08	17.62	17.79	18.49	19.49
360.0	21.36	20.60	20.13	19.78	19.43	19.37	19.66	20.01	20.60
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	21.19	21.89	22.18	22.00	21.71	21.07	20.19	18.14	16.15
45.0	23.82	23.41	23.58	23.64	22.59	21.89	21.19	19.90	18.90
90.0	14.81	14.40	14.10	13.75	13.40	12.99	12.64	12.29	11.94
135.0	20.13	20.25	20.07	19.90	19.20	17.73	16.56	15.51	13.93
180.0	18.49	18.79	18.96	18.79	18.14	17.67	16.56	15.04	13.23
225.0	18.55	18.49	18.61	17.50	17.09	16.68	15.74	14.46	12.23
270.0	14.98	14.63	14.28	13.81	13.46	13.17	12.76	12.47	12.17
315.0	19.78	20.01	20.31	20.25	19.84	18.55	17.26	15.57	13.69
360.0	21.19	21.89	22.18	22.00	21.71	21.07	20.19	18.14	16.15
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.46	11.82	11.35	11.00	10.83	10.36	9.77	9.60	9.42
45.0	15.68	13.05	11.65	11.06	10.77	10.53	10.01	9.66	9.60
90.0	11.65	11.41	11.06	10.89	10.48	9.89	9.66	9.48	9.31
135.0	11.94	11.47	11.12	10.89	10.65	10.12	9.83	9.54	9.54
180.0	12.11	11.53	11.12	10.94	10.36	9.95	9.77	9.71	9.71
225.0	11.18	10.94	10.71	10.42	9.95	9.71	9.54	9.42	9.31
270.0	11.88	11.65	11.29	11.18	11.00	10.01	9.71	9.48	9.36
315.0	11.76	11.35	11.24	10.94	10.77	10.07	9.66	9.48	9.36
360.0	13.46	11.82	11.35	11.00	10.83	10.36	9.77	9.60	9.42

Intensity data(cd)

C/γ(°)	90.0
0.0	9.95
45.0	9.31
90.0	9.36
135.0	9.31
180.0	9.42
225.0	9.42
270.0	9.42
315.0	9.36
360.0	9.95