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NT

Client:

LumCAT: 2-2689-L

Luminaire: 92.70.412.00

Report No: 2024305-B024

Ballast type: AC

Test No: 2024305-C024

Voltage(V): 34.270

LampCAT: TRIDONIC SLE G7 15MM

Current(A): 0.532

Lamp flux(lm): 3287.0

Power (W): 18.231

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2717.68, Efficiency(%): 82.68% , Luminous Efficacy(lm/W): 149.07

Central intensity(cd): 5134.969, Maximum intensity(cd): 5134.969

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=43.2

[C90/270]Total=43.2

Field angle(10%Imax): [C0/180]Total=65.2

[C90/270]Total=65.2

Maximum s/h(1/2): C0_180=0.69 C90_270=0.69

Maximum s/h(1/4): C0_180=0.68 C90_270=0.68

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.68%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.865%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/05
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	5134.969	0.000	0	0.00%	0.00%
1.0	5130.360	4.912	4.912	0.15%	0.18%
2.0	5120.046	14.712	19.624	0.45%	0.72%
3.0	5098.539	24.439	44.064	0.74%	1.62%
4.0	5065.474	34.022	78.086	1.04%	2.87%
5.0	5014.632	43.364	121.45	1.32%	4.47%
6.0	4951.208	52.373	173.823	1.59%	6.40%
7.0	4869.789	60.959	234.782	1.85%	8.64%
8.0	4774.544	69.023	303.804	2.10%	11.18%
9.0	4668.033	76.527	380.331	2.33%	13.99%
10.0	4534.821	83.282	463.614	2.53%	17.06%
11.0	4399.195	89.269	552.883	2.72%	20.34%
12.0	4237.088	94.407	647.29	2.87%	23.82%
13.0	4082.149	98.728	746.018	3.00%	27.45%
14.0	3912.068	102.325	848.344	3.11%	31.22%
15.0	3743.231	105.095	953.439	3.20%	35.08%
16.0	3566.712	107.111	1060.55	3.26%	39.02%
17.0	3393.120	108.383	1168.933	3.30%	43.01%
18.0	3225.965	109.134	1278.068	3.32%	47.03%
19.0	3038.693	108.992	1387.06	3.32%	51.04%
20.0	2856.688	107.902	1494.962	3.28%	55.01%
21.0	2669.562	106.115	1601.077	3.23%	58.91%
22.0	2486.899	103.621	1704.698	3.15%	62.73%
23.0	2299.188	100.425	1805.123	3.06%	66.42%
24.0	2114.257	96.494	1901.617	2.94%	69.97%
25.0	1938.689	92.155	1993.772	2.80%	73.36%
26.0	1709.574	86.118	2079.89	2.62%	76.53%
27.0	1491.322	78.311	2158.201	2.38%	79.41%
28.0	1292.221	70.473	2228.674	2.14%	82.01%
29.0	1147.670	63.834	2292.508	1.94%	84.36%
30.0	954.890	56.769	2349.277	1.73%	86.44%
31.0	772.036	48.058	2397.335	1.46%	88.21%
32.0	600.507	39.322	2436.657	1.20%	89.66%
33.0	450.711	30.969	2467.626	0.94%	90.80%
34.0	333.659	23.737	2491.363	0.72%	91.67%
35.0	264.288	18.570	2509.933	0.56%	92.36%
36.0	206.036	14.975	2524.908	0.46%	92.91%
37.0	182.993	12.688	2537.596	0.39%	93.37%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	134.068	10.583	2548.179	0.32%	93.76%
39.0	119.722	8.663	2556.842	0.26%	94.08%
40.0	109.561	7.997	2564.839	0.24%	94.38%
41.0	100.373	7.476	2572.314	0.23%	94.65%
42.0	92.985	7.025	2579.339	0.21%	94.91%
43.0	85.714	6.620	2585.959	0.20%	95.15%
44.0	79.847	6.249	2592.208	0.19%	95.38%
45.0	74.492	5.931	2598.139	0.18%	95.60%
46.0	69.430	5.628	2603.767	0.17%	95.81%
47.0	64.989	5.346	2609.114	0.16%	96.01%
48.0	60.659	5.079	2614.193	0.15%	96.19%
49.0	56.986	4.831	2619.024	0.15%	96.37%
50.0	53.504	4.607	2623.631	0.14%	96.54%
51.0	50.381	4.395	2628.026	0.13%	96.70%
52.0	47.359	4.194	2632.22	0.13%	96.86%
53.0	44.521	3.997	2636.217	0.12%	97.00%
54.0	42.114	3.819	2640.035	0.12%	97.14%
55.0	39.525	3.644	2643.68	0.11%	97.28%
56.0	37.403	3.476	2647.156	0.11%	97.40%
57.0	35.413	3.329	2650.485	0.10%	97.53%
58.0	33.555	3.189	2653.674	0.10%	97.64%
59.0	31.822	3.056	2656.731	0.09%	97.76%
60.0	30.307	2.935	2659.666	0.09%	97.87%
61.0	28.786	2.820	2662.486	0.09%	97.97%
62.0	27.308	2.703	2665.189	0.08%	98.07%
63.0	25.830	2.584	2667.773	0.08%	98.16%
64.0	24.272	2.459	2670.232	0.07%	98.25%
65.0	22.875	2.333	2672.565	0.07%	98.34%
66.0	21.434	2.211	2674.776	0.07%	98.42%
67.0	20.344	2.101	2676.877	0.06%	98.50%
68.0	19.671	2.027	2678.904	0.06%	98.57%
69.0	19.378	1.992	2680.896	0.06%	98.65%
70.0	19.444	1.994	2682.89	0.06%	98.72%
71.0	19.517	2.014	2684.903	0.06%	98.79%
72.0	19.568	2.032	2686.936	0.06%	98.87%
73.0	19.605	2.048	2688.984	0.06%	98.94%
74.0	19.290	2.045	2691.029	0.06%	99.02%
75.0	18.917	2.019	2693.048	0.06%	99.09%

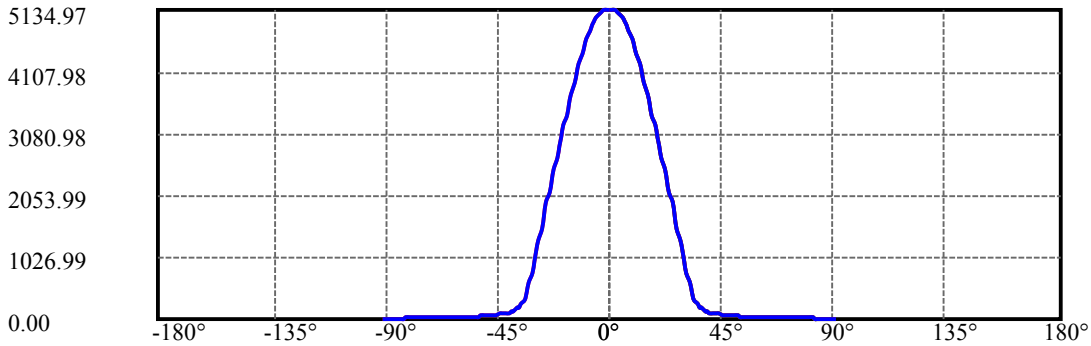
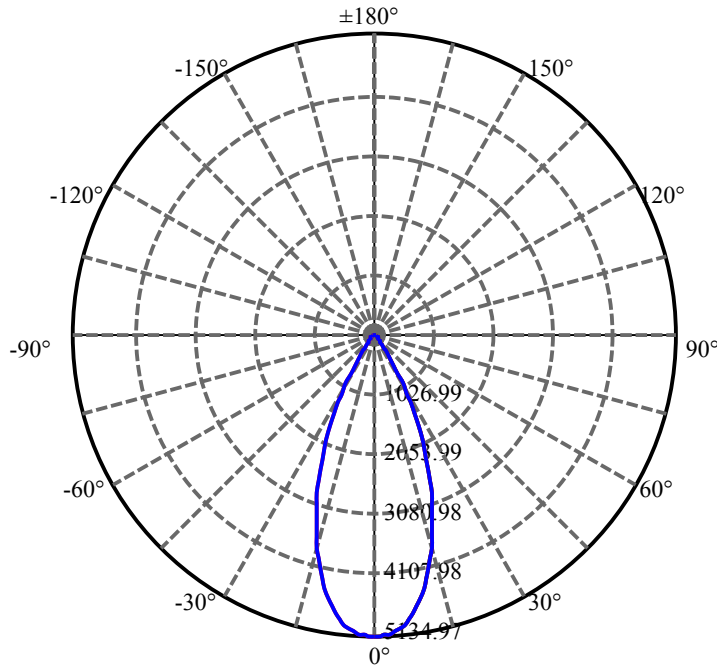
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.486	1.986	2695.033	0.06%	99.17%
77.0	18.032	1.947	2696.98	0.06%	99.24%
78.0	17.601	1.907	2698.888	0.06%	99.31%
79.0	17.191	1.869	2700.757	0.06%	99.38%
80.0	16.715	1.828	2702.585	0.06%	99.44%
81.0	16.203	1.780	2704.365	0.05%	99.51%
82.0	15.574	1.723	2706.089	0.05%	99.57%
83.0	15.150	1.670	2707.759	0.05%	99.63%
84.0	14.601	1.621	2709.38	0.05%	99.69%
85.0	13.702	1.545	2710.924	0.05%	99.75%
86.0	13.014	1.460	2712.385	0.04%	99.81%
87.0	12.487	1.396	2713.78	0.04%	99.86%
88.0	12.012	1.342	2715.122	0.04%	99.91%
89.0	11.595	1.294	2716.416	0.04%	99.95%
90.0	11.492	1.266	2717.682	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2349.28	71.47%	86.44%
0-40	2564.84	78.03%	94.38%
0-60	2659.67	80.91%	97.87%
0-90	2716.42	82.64%	99.95%
0-120	2716.42	82.64%	99.95%
0-180	2717.68	82.68%	100.00%
60-90	56.75	1.73%	2.09%
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%
0-27.23	2174.15	66.14%	80.00%

ZONAL LUMEN SUMMARY

0-10	463.61
10-20	1031.35
20-30	854.32
30-40	215.56
40-50	58.79
50-60	36.04
60-70	23.22
70-80	19.70
80-90	13.83
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: —————

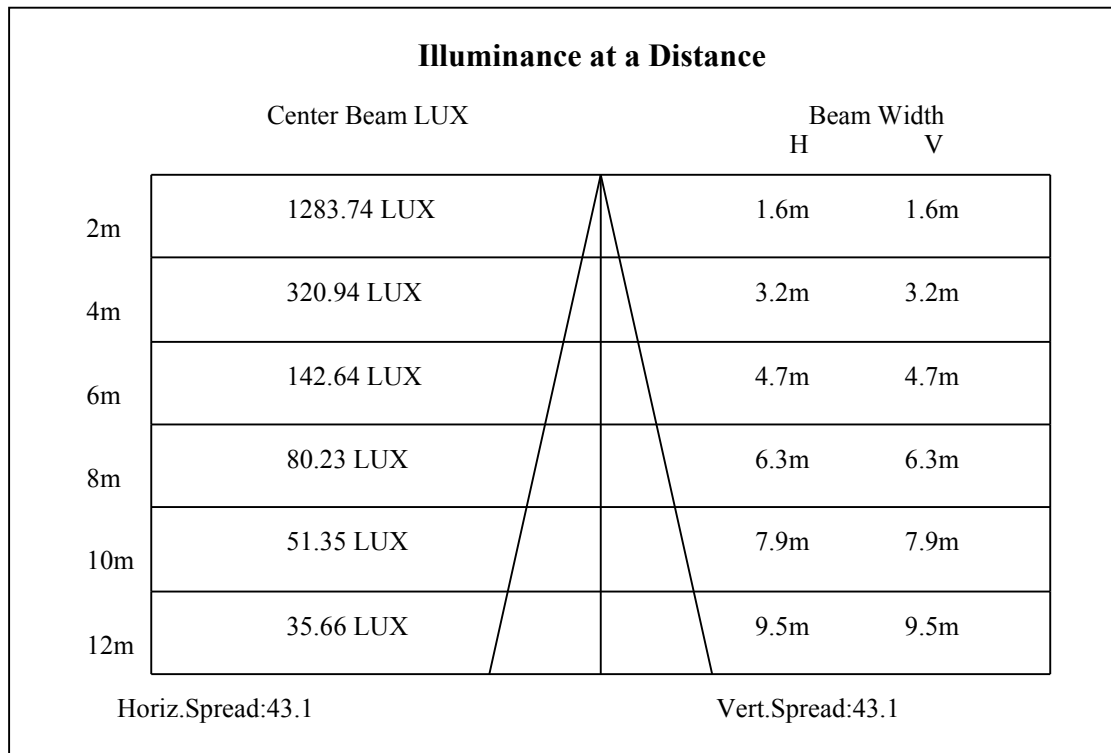
C90/C270: —————

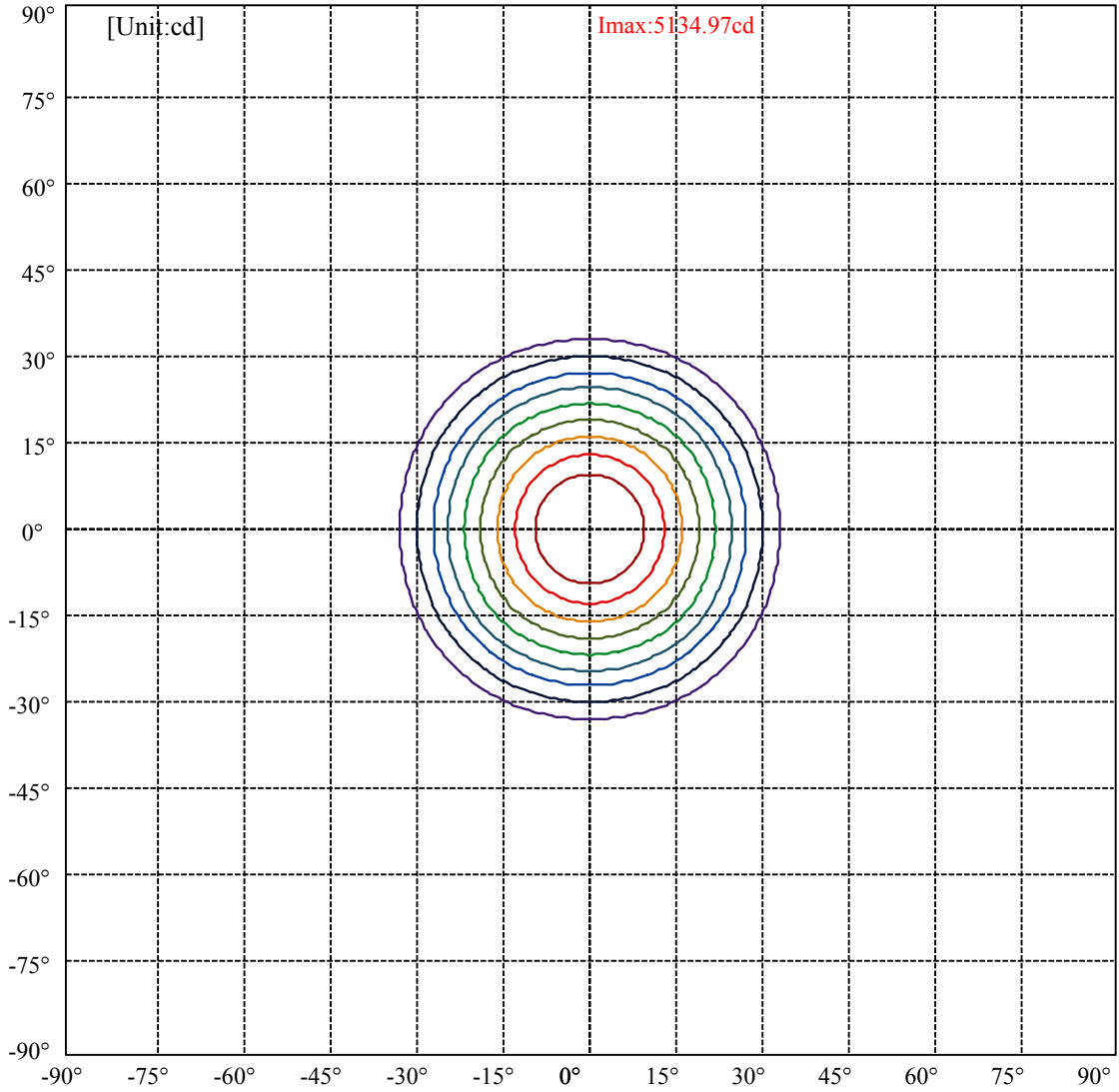
Field angle(10%Imax):C0/180Left:32.6 Right:32.6

:C90/270Left:32.6 Right:32.6

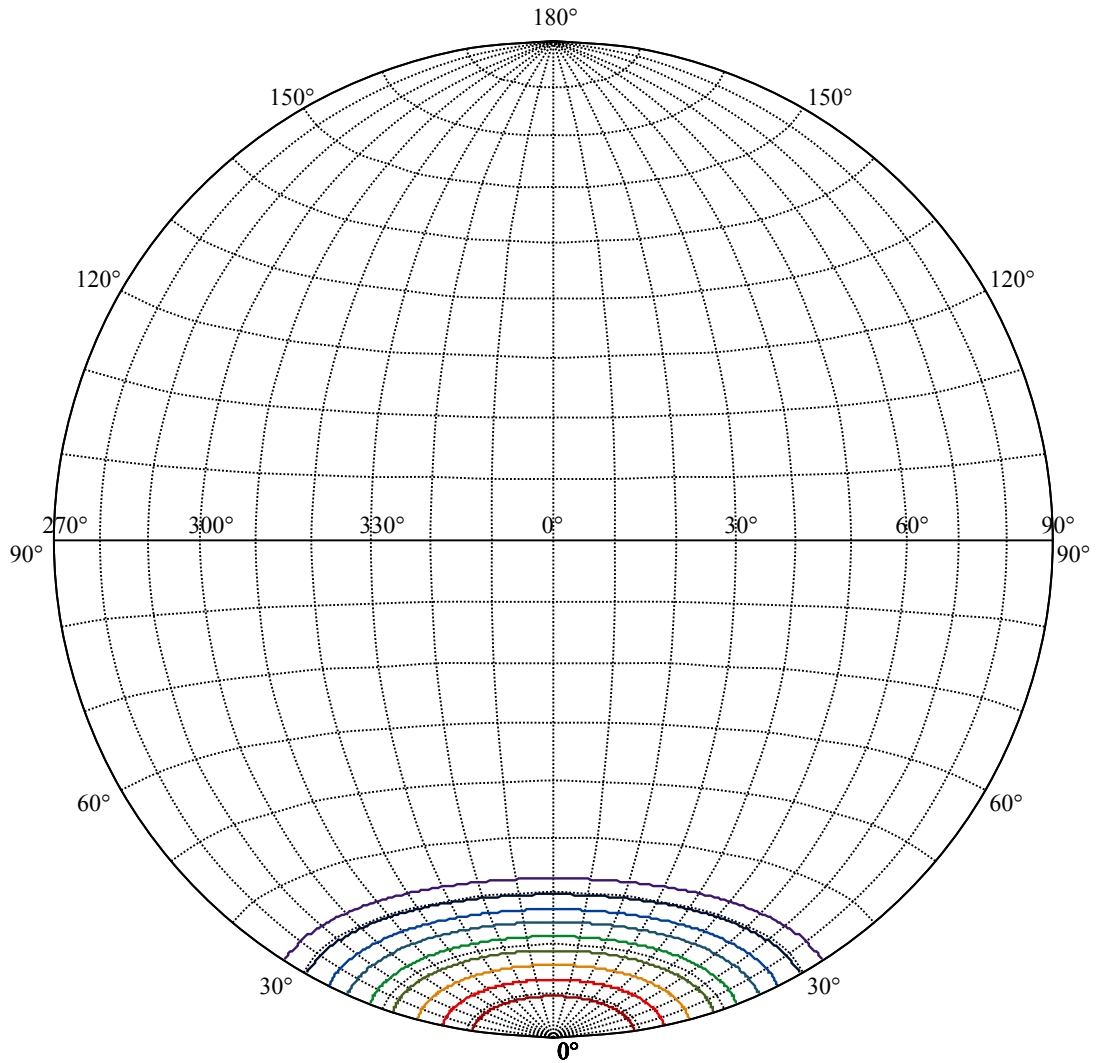
Beam Angle(50%Imax):C0/180Left:21.6 Right:21.6

:C90/270Left:21.6 Right:21.6





(10%Imax) 513.497	—
(20%Imax) 1026.99	—
(30%Imax) 1540.49	—
(40%Imax) 2053.99	—
(50%Imax) 2567.48	—
(60%Imax) 3080.98	—
(70%Imax) 3594.48	—
(80%Imax) 4107.98	—
(90%Imax) 4621.47	—



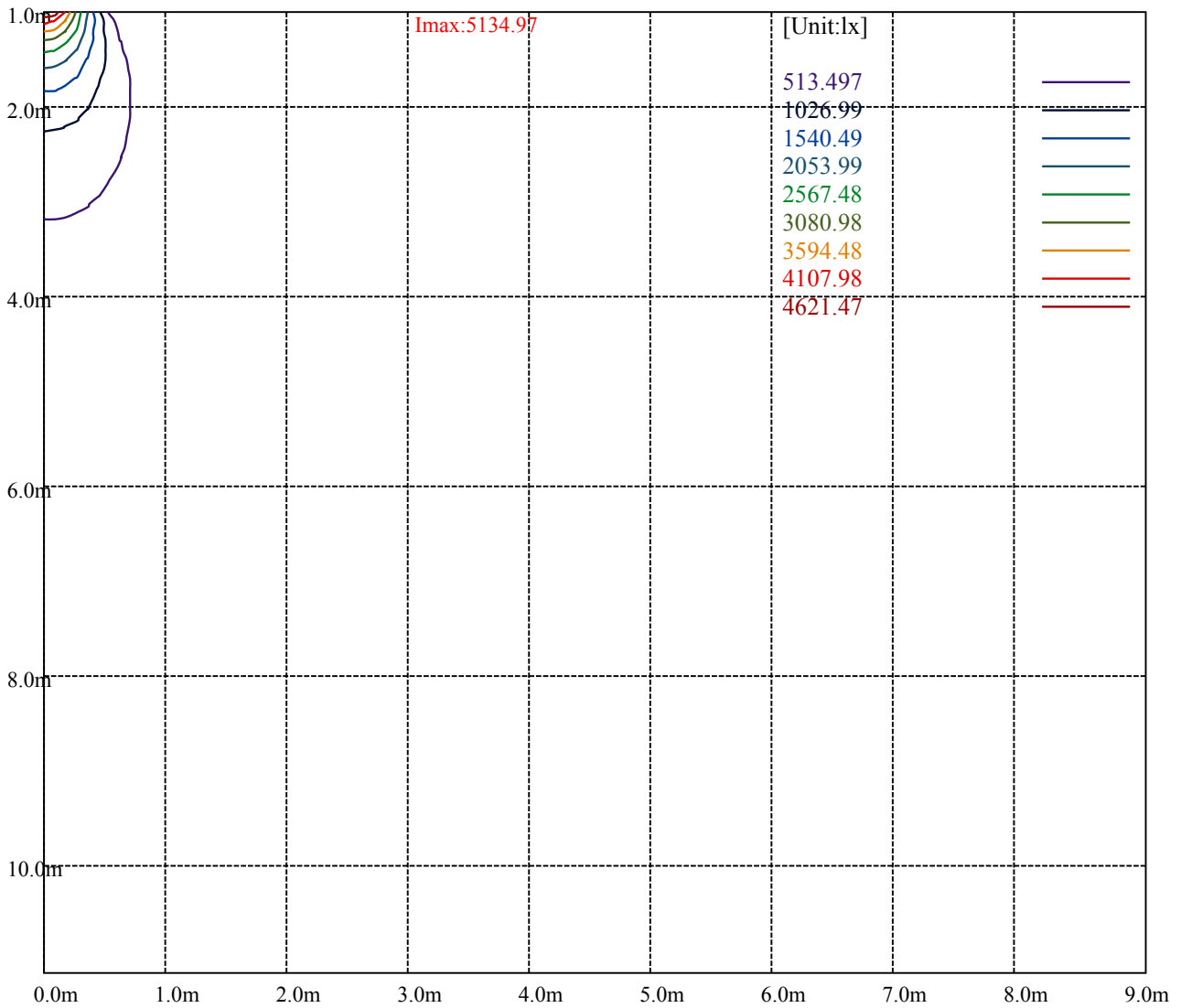
House

[Unit:cd]

Road

Imax:5134.97

(10%Imax)	513.497	—
(20%Imax)	1026.99	—
(30%Imax)	1540.49	—
(40%Imax)	2053.99	—
(50%Imax)	2567.48	—
(60%Imax)	3080.98	—
(70%Imax)	3594.48	—
(80%Imax)	4107.98	—
(90%Imax)	4621.47	—



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

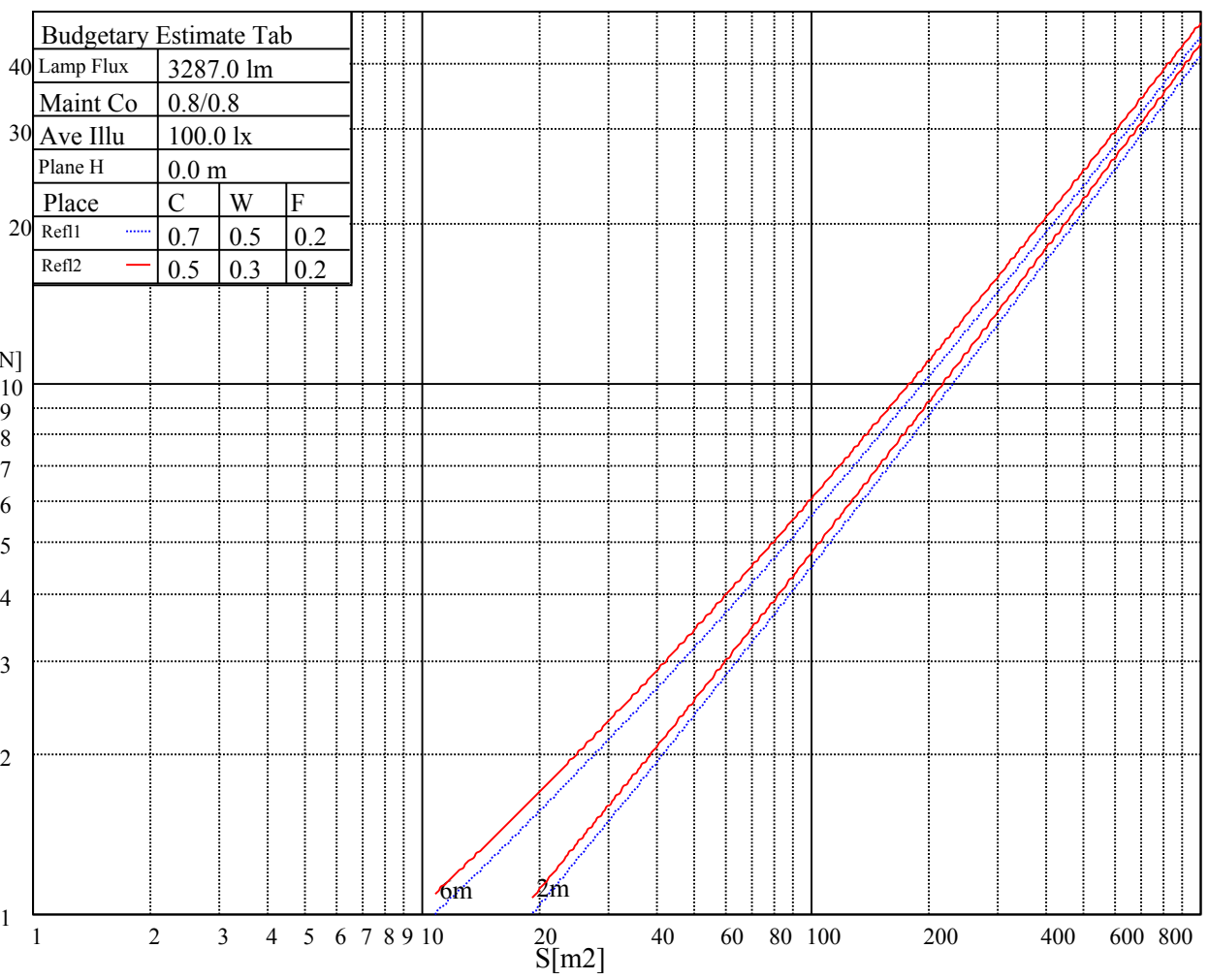
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

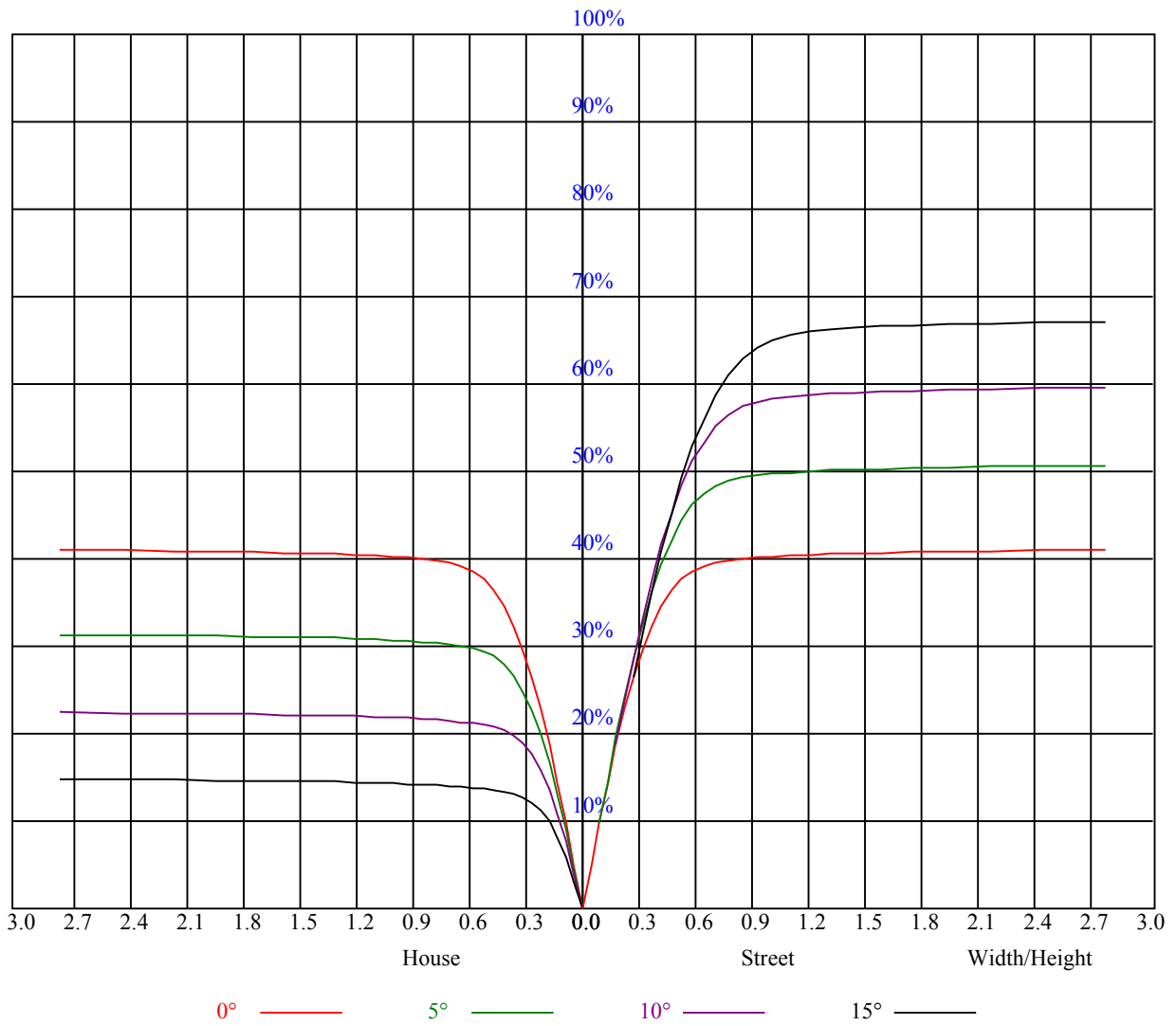


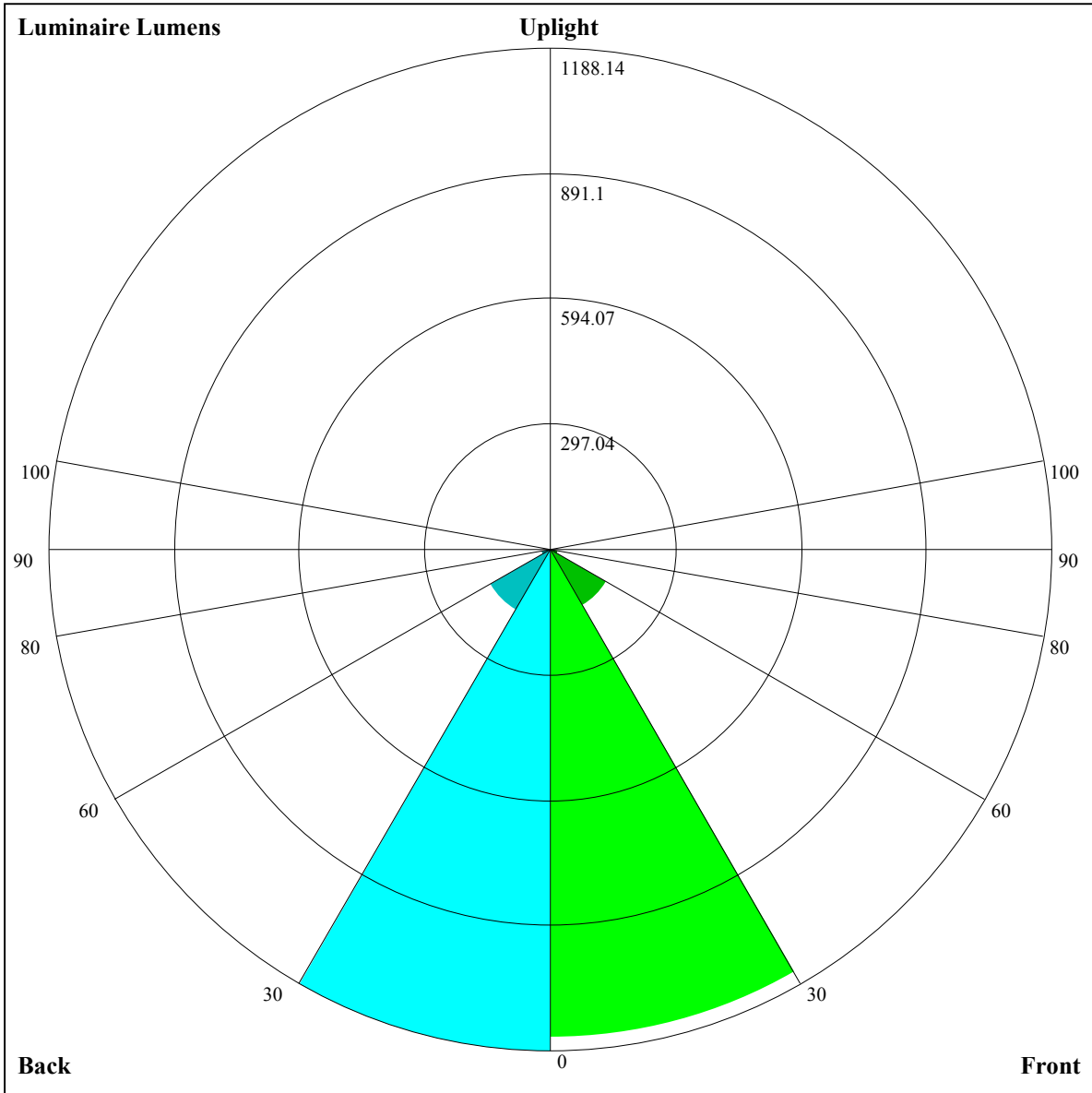
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	0.98	0.98	0.98	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.83
1	0.92	0.90	0.88	0.90	0.88	0.87	0.87	0.85	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78
2	0.86	0.83	0.80	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.76	0.77	0.76	0.75	0.73
3	0.81	0.77	0.74	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.74	0.72	0.70	0.69
4	0.77	0.73	0.70	0.76	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.71	0.69	0.67	0.66
5	0.73	0.69	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
6	0.69	0.65	0.62	0.69	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.65	0.62	0.60	0.59
7	0.66	0.62	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.63	0.60	0.57	0.56
8	0.63	0.59	0.56	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.54
9	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.58	0.55	0.52	0.51
10	0.58	0.53	0.51	0.57	0.53	0.51	0.57	0.53	0.50	0.56	0.53	0.50	0.56	0.52	0.50	0.49





Luminaire Lumens:

FL=1157.35,FM=152.09,FH=20.63,FVH=7.42

BL=1188.14,BM=165.14,BH=22.5,BVH=7.69

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	5133.65	5116.10	5092.10	5052.31	5002.56	4928.24	4852.74	4762.62	4632.11
45.0	5137.16	5124.29	5114.93	5080.98	5042.36	4997.29	4935.26	4842.21	4758.52
90.0	5131.90	5113.75	5082.15	5039.43	4985.01	4907.17	4830.51	4741.55	4604.61
135.0	5137.16	5135.99	5126.04	5100.29	5060.50	4994.37	4922.97	4818.80	4723.99
180.0	5133.65	5136.58	5138.33	5137.16	5126.04	5092.69	5047.62	4989.69	4918.29
225.0	5137.16	5139.50	5134.82	5122.53	5095.03	5049.97	4977.40	4901.32	4810.61
270.0	5131.90	5138.92	5140.67	5139.50	5126.04	5104.39	5066.35	4995.54	4928.24
315.0	5137.16	5137.75	5131.31	5116.10	5086.25	5042.94	4976.81	4906.58	4819.97
360.0	5133.65	5116.10	5092.10	5052.31	5002.56	4928.24	4852.74	4762.62	4632.11
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4506.88	4369.35	4218.95	4026.41	3870.15	3672.93	3514.33	3353.40	3153.25
45.0	4658.45	4544.33	4380.47	4237.67	4086.68	3892.39	3730.87	3571.10	3372.71
90.0	4486.98	4312.58	4165.69	4014.70	3859.62	3703.95	3507.31	3348.13	3193.05
135.0	4612.22	4490.49	4356.47	4177.39	4024.07	3871.32	3713.90	3509.07	3349.30
180.0	4805.93	4705.27	4592.90	4460.06	4282.15	4132.92	3974.91	3774.76	3619.09
225.0	4707.61	4557.79	4425.53	4278.05	4129.99	3933.36	3774.76	3610.31	3410.16
270.0	4845.14	4718.73	4604.61	4434.31	4285.66	4129.41	3971.40	3769.49	3609.73
315.0	4721.07	4580.03	4448.94	4268.10	4118.87	3960.28	3758.37	3597.44	3437.67
360.0	4506.88	4369.35	4218.95	4026.41	3870.15	3672.93	3514.33	3353.40	3153.25
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2985.88	2819.67	2645.86	2472.05	2262.54	2092.24	1921.35	1700.72	1370.07
45.0	3215.28	3050.84	2838.98	2662.83	2490.78	2319.89	2109.79	1941.25	1761.59
90.0	3030.94	2822.60	2644.69	2421.13	2253.17	2090.48	1879.22	1706.57	1365.97
135.0	3187.78	2982.95	2811.48	2590.85	2419.96	2250.83	2086.97	1875.70	1689.02
180.0	3463.42	3259.76	3086.54	2910.97	2734.81	2513.60	2299.41	2174.17	1975.19
225.0	3244.55	3028.60	2855.96	2678.05	2503.07	2286.53	2121.50	1954.71	1779.14
270.0	3445.86	3275.56	3066.64	2892.24	2718.43	2500.72	2326.33	2155.44	1950.61
315.0	3234.01	3069.56	2903.36	2728.38	2512.43	2339.20	2169.49	2000.94	1784.99
360.0	2985.88	2819.67	2645.86	2472.05	2262.54	2092.24	1921.35	1700.72	1370.07
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1138.85	1138.85	913.13	743.70	588.50	418.49	305.02	207.05	168.37
45.0	1573.73	1335.54	1149.44	923.54	755.00	597.57	426.10	313.74	313.74
90.0	1139.26	1092.91	913.65	745.81	555.91	422.06	309.82	226.89	171.24
135.0	1498.82	1306.28	1073.36	895.45	726.91	577.68	413.81	306.13	306.13
180.0	1800.80	1615.86	1426.25	1186.89	996.11	815.86	615.72	477.02	331.30
225.0	1396.41	1161.03	1161.03	972.53	750.38	594.06	456.48	316.37	233.62
270.0	1775.63	1546.22	1403.43	1168.75	980.31	756.75	597.57	459.46	344.17
315.0	1607.09	1141.07	1141.07	1002.43	823.18	621.57	481.17	362.61	245.74
360.0	1138.85	1138.85	913.13	743.70	588.50	418.49	305.02	207.05	168.37
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	146.13	130.45	116.05	106.86	98.55	91.24	83.04	77.19	72.04
45.0	215.83	149.35	132.79	120.67	110.84	100.60	93.23	86.44	80.29
90.0	148.71	131.97	119.62	107.62	99.37	90.42	84.10	78.42	72.22
135.0	166.15	144.14	128.28	114.18	105.11	95.57	88.84	82.69	77.13
180.0	306.72	306.72	154.79	132.79	120.61	110.78	102.36	93.05	86.61
225.0	182.59	149.93	133.55	121.79	110.26	102.30	95.27	87.49	81.81
270.0	295.60	295.60	150.81	133.84	121.32	109.91	102.12	93.58	87.49
315.0	186.57	155.79	136.65	120.03	110.43	102.18	94.92	86.85	81.17
360.0	146.13	130.45	116.05	106.86	98.55	91.24	83.04	77.19	72.04

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	67.42	62.03	57.29	53.84	50.62	47.75	44.36	41.90	39.62
45.0	73.91	69.06	64.61	59.58	56.12	52.09	49.16	46.41	43.25
90.0	67.77	63.61	59.93	55.65	52.55	49.74	47.05	44.01	41.73
135.0	71.51	67.18	63.15	59.40	55.25	52.20	49.33	46.12	43.60
180.0	80.64	75.38	69.52	65.31	61.45	57.12	53.96	50.21	47.46
225.0	76.72	72.10	67.83	62.91	59.40	55.42	52.38	49.45	46.06
270.0	81.87	75.67	71.34	67.18	62.50	59.05	55.89	52.79	49.22
315.0	76.08	70.40	66.25	61.39	58.00	54.66	50.91	47.99	45.24
360.0	67.42	62.03	57.29	53.84	50.62	47.75	44.36	41.90	39.62
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	37.45	34.94	33.12	31.54	29.67	28.27	26.98	25.34	23.99
45.0	40.97	38.80	36.75	34.47	32.83	31.25	29.79	28.03	26.69
90.0	39.62	37.04	35.23	33.53	31.60	30.20	28.85	27.04	25.52
135.0	41.32	38.68	36.75	34.94	32.89	31.37	29.96	28.50	26.74
180.0	44.89	41.90	39.74	37.75	36.05	34.00	32.42	31.02	29.61
225.0	43.60	41.26	38.57	36.64	34.82	33.18	31.37	30.08	28.73
270.0	46.47	43.83	41.43	38.80	36.81	34.65	32.89	31.43	29.61
315.0	42.60	39.74	37.63	35.64	33.77	31.66	30.20	28.85	27.56
360.0	37.45	34.94	33.12	31.54	29.67	28.27	26.98	25.34	23.99
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.77	21.24	19.90	18.79	18.08	17.56	17.21	16.91	16.56
45.0	25.34	23.64	22.47	21.01	19.61	19.20	19.49	20.37	20.07
90.0	24.11	22.59	21.19	20.01	19.37	19.14	19.25	19.55	19.37
135.0	25.34	23.94	22.59	20.78	19.66	19.02	18.38	18.02	17.56
180.0	27.97	26.51	25.05	23.47	22.12	20.83	19.90	19.72	20.72
225.0	27.21	25.40	24.11	22.77	22.00	21.95	22.06	22.59	23.53
270.0	28.15	26.63	25.16	23.47	22.12	21.07	20.72	20.78	21.07
315.0	25.75	24.23	22.53	21.19	19.78	18.61	18.02	17.62	17.26
360.0	22.77	21.24	19.90	18.79	18.08	17.56	17.21	16.91	16.56
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.21	15.98	15.74	15.45	15.22	15.04	14.92	15.04	15.27
45.0	19.61	19.61	18.43	18.26	17.32	16.74	16.04	15.63	15.39
90.0	18.90	18.20	17.67	16.85	16.39	15.74	15.33	15.27	15.27
135.0	17.26	16.91	16.62	16.27	15.98	15.68	15.57	15.33	15.39
180.0	22.30	23.58	23.99	23.64	23.94	24.11	23.94	23.17	21.48
225.0	23.88	23.94	23.76	23.17	22.59	21.30	20.31	19.61	18.26
270.0	21.54	22.06	21.83	21.71	20.83	20.25	19.55	18.55	17.79
315.0	16.85	16.56	16.27	15.98	15.63	15.39	15.16	14.92	14.86
360.0	16.21	15.98	15.74	15.45	15.22	15.04	14.92	15.04	15.27
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.39	15.22	14.46	13.46	12.64	12.58	11.82	11.41	11.47
45.0	15.39	15.33	15.10	14.46	13.40	12.58	12.41	11.70	11.35
90.0	15.22	14.98	14.69	13.52	12.76	12.52	11.88	11.35	11.53
135.0	15.27	15.22	15.22	14.46	13.28	12.76	12.52	11.59	11.41
180.0	19.72	16.74	15.39	15.45	14.92	13.99	12.99	12.58	11.94
225.0	16.50	15.57	15.33	14.92	13.87	13.23	12.87	12.35	11.47
270.0	17.09	16.33	15.80	15.45	14.92	13.64	12.82	12.76	11.88
315.0	15.04	15.22	15.22	15.10	13.81	12.82	12.58	12.35	11.70
360.0	15.39	15.22	14.46	13.46	12.64	12.58	11.82	11.41	11.47

Intensity data(cd)

C/ γ (°)	90.0
0.0	11.65
45.0	11.53
90.0	11.65
135.0	11.65
180.0	11.35
225.0	11.35
270.0	11.35
315.0	11.41
360.0	11.65