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NT

Client:

LumCAT: 2-2681-L

Luminaire: 92.70.412.00

Report No: 2024305-B008

Ballast type: AC

Test No: 2024305-C008

Voltage(V): 34.230

LampCAT: TRIDONIC SLE G7 15MM

Current(A): 0.532

Lamp flux(lm): 3287.0

Power (W): 18.210

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2709.81, Efficiency(%): 82.44% , Luminous Efficacy(lm/W): 148.81

Central intensity(cd): 5026.556, Maximum intensity(cd): 5026.556

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=67.6

[C90/270]Total=67.6

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

Maximum s/h(1/4): C0_180=0.69 C90_270=0.69

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.44%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.745%

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	5026.556	0.000	0	0.00%	0.00%
1.0	5019.021	4.807	4.807	0.15%	0.18%
2.0	4997.148	14.376	19.183	0.44%	0.71%
3.0	4960.645	23.816	42.999	0.72%	1.59%
4.0	4911.998	33.047	76.045	1.01%	2.81%
5.0	4850.550	41.998	118.043	1.28%	4.36%
6.0	4775.933	50.590	168.633	1.54%	6.22%
7.0	4690.052	58.755	227.388	1.79%	8.39%
8.0	4595.318	66.454	293.842	2.02%	10.84%
9.0	4495.318	73.675	367.517	2.24%	13.56%
10.0	4377.322	80.294	447.811	2.44%	16.53%
11.0	4260.789	86.312	534.123	2.63%	19.71%
12.0	4124.871	91.667	625.791	2.79%	23.09%
13.0	3993.341	96.343	722.133	2.93%	26.65%
14.0	3848.206	100.371	822.504	3.05%	30.35%
15.0	3697.583	103.592	926.096	3.15%	34.18%
16.0	3534.086	105.964	1032.061	3.22%	38.09%
17.0	3365.395	107.443	1139.504	3.27%	42.05%
18.0	3199.484	108.241	1247.745	3.29%	46.05%
19.0	3007.896	107.996	1355.74	3.29%	50.03%
20.0	2819.892	106.665	1462.405	3.25%	53.97%
21.0	2630.572	104.660	1567.065	3.18%	57.83%
22.0	2447.250	102.041	1669.106	3.10%	61.59%
23.0	2269.342	98.967	1768.073	3.01%	65.25%
24.0	2091.141	95.336	1863.409	2.90%	68.77%
25.0	1917.475	91.147	1954.556	2.77%	72.13%
26.0	1700.430	85.401	2039.957	2.60%	75.28%
27.0	1521.702	78.830	2118.787	2.40%	78.19%
28.0	1320.399	71.956	2190.743	2.19%	80.84%
29.0	1188.446	65.638	2256.381	2.00%	83.27%
30.0	1054.385	60.556	2316.937	1.84%	85.50%
31.0	884.509	53.957	2370.894	1.64%	87.49%
32.0	743.236	46.633	2417.527	1.42%	89.21%
33.0	609.051	39.839	2457.366	1.21%	90.68%
34.0	483.410	33.061	2490.427	1.01%	91.90%
35.0	374.595	26.646	2517.074	0.81%	92.89%
36.0	280.923	20.872	2537.945	0.63%	93.66%
37.0	231.296	16.706	2554.651	0.51%	94.27%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	159.759	13.053	2567.704	0.40%	94.76%
39.0	101.807	8.928	2576.632	0.27%	95.09%
40.0	73.687	6.121	2582.752	0.19%	95.31%
41.0	62.253	4.841	2587.593	0.15%	95.49%
42.0	55.538	4.280	2591.873	0.13%	95.65%
43.0	50.834	3.940	2595.813	0.12%	95.79%
44.0	47.315	3.704	2599.518	0.11%	95.93%
45.0	44.711	3.537	2603.054	0.11%	96.06%
46.0	42.721	3.419	2606.474	0.10%	96.19%
47.0	41.032	3.331	2609.805	0.10%	96.31%
48.0	39.451	3.254	2613.058	0.10%	96.43%
49.0	38.157	3.187	2616.245	0.10%	96.55%
50.0	36.972	3.132	2619.378	0.10%	96.66%
51.0	35.969	3.086	2622.464	0.09%	96.78%
52.0	35.004	3.046	2625.509	0.09%	96.89%
53.0	34.126	3.007	2628.516	0.09%	97.00%
54.0	33.365	2.975	2631.491	0.09%	97.11%
55.0	32.575	2.943	2634.434	0.09%	97.22%
56.0	31.873	2.912	2637.347	0.09%	97.33%
57.0	31.178	2.883	2640.229	0.09%	97.43%
58.0	30.519	2.853	2643.083	0.09%	97.54%
59.0	29.905	2.825	2645.907	0.09%	97.64%
60.0	29.203	2.792	2648.7	0.08%	97.74%
61.0	28.559	2.757	2651.456	0.08%	97.85%
62.0	27.908	2.721	2654.177	0.08%	97.95%
63.0	27.220	2.681	2656.859	0.08%	98.05%
64.0	26.533	2.638	2659.496	0.08%	98.14%
65.0	25.852	2.592	2662.089	0.08%	98.24%
66.0	25.165	2.545	2664.634	0.08%	98.33%
67.0	24.558	2.500	2667.134	0.08%	98.43%
68.0	24.148	2.467	2669.601	0.08%	98.52%
69.0	23.738	2.443	2672.044	0.07%	98.61%
70.0	23.270	2.414	2674.459	0.07%	98.70%
71.0	22.553	2.368	2676.827	0.07%	98.78%
72.0	21.851	2.309	2679.136	0.07%	98.87%
73.0	20.958	2.239	2681.375	0.07%	98.95%
74.0	20.059	2.156	2683.531	0.07%	99.03%
75.0	19.283	2.079	2685.61	0.06%	99.11%

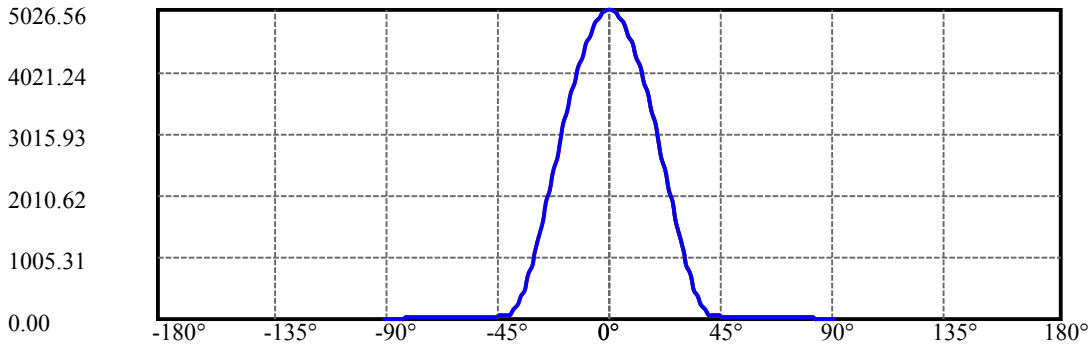
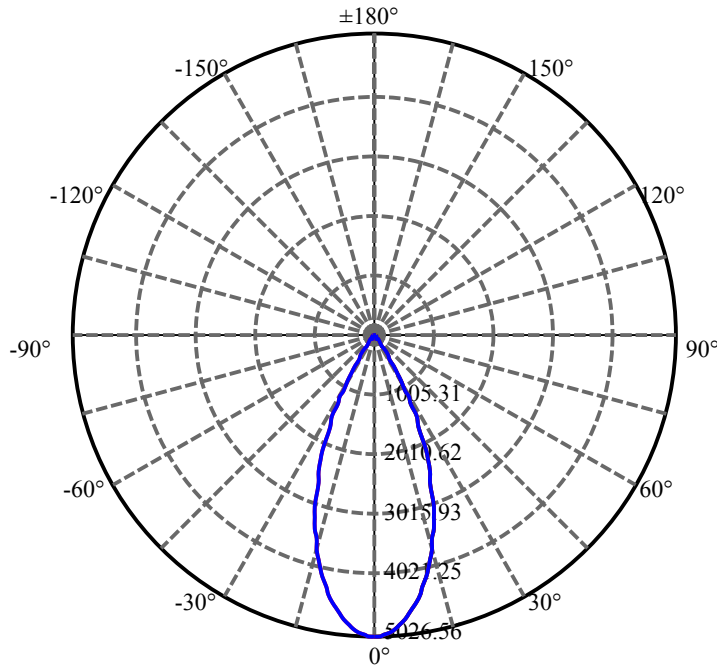
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.559	2.009	2687.618	0.06%	99.18%
77.0	17.988	1.949	2689.567	0.06%	99.25%
78.0	17.469	1.898	2691.465	0.06%	99.32%
79.0	16.979	1.851	2693.316	0.06%	99.39%
80.0	16.511	1.805	2695.121	0.05%	99.46%
81.0	16.028	1.760	2696.881	0.05%	99.52%
82.0	15.560	1.713	2698.594	0.05%	99.59%
83.0	14.850	1.653	2700.247	0.05%	99.65%
84.0	14.009	1.572	2701.819	0.05%	99.71%
85.0	13.029	1.476	2703.295	0.04%	99.76%
86.0	12.268	1.383	2704.678	0.04%	99.81%
87.0	11.836	1.319	2705.997	0.04%	99.86%
88.0	11.639	1.286	2707.283	0.04%	99.91%
89.0	11.522	1.269	2708.552	0.04%	99.95%
90.0	11.478	1.261	2709.813	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2316.94	70.49%	85.50%
0-40	2582.75	78.57%	95.31%
0-60	2648.70	80.58%	97.74%
0-90	2708.55	82.40%	99.95%
0-120	2708.55	82.40%	99.95%
0-180	2709.81	82.44%	100.00%
60-90	59.85	1.82%	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%
0-27.68	2167.85	65.95%	80.00%

ZONAL LUMEN SUMMARY

0-10	447.81
10-20	1014.59
20-30	854.53
30-40	265.82
40-50	36.63
50-60	29.32
60-70	25.76
70-80	20.66
80-90	13.43
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: —————

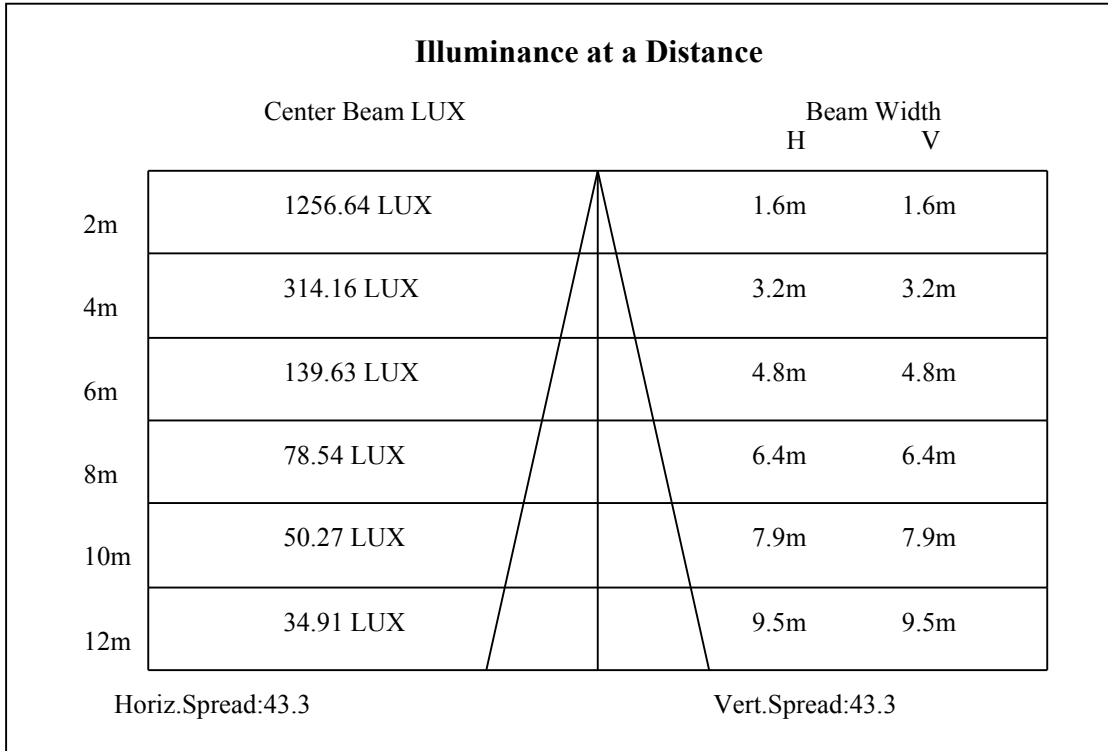
C90/C270: —————

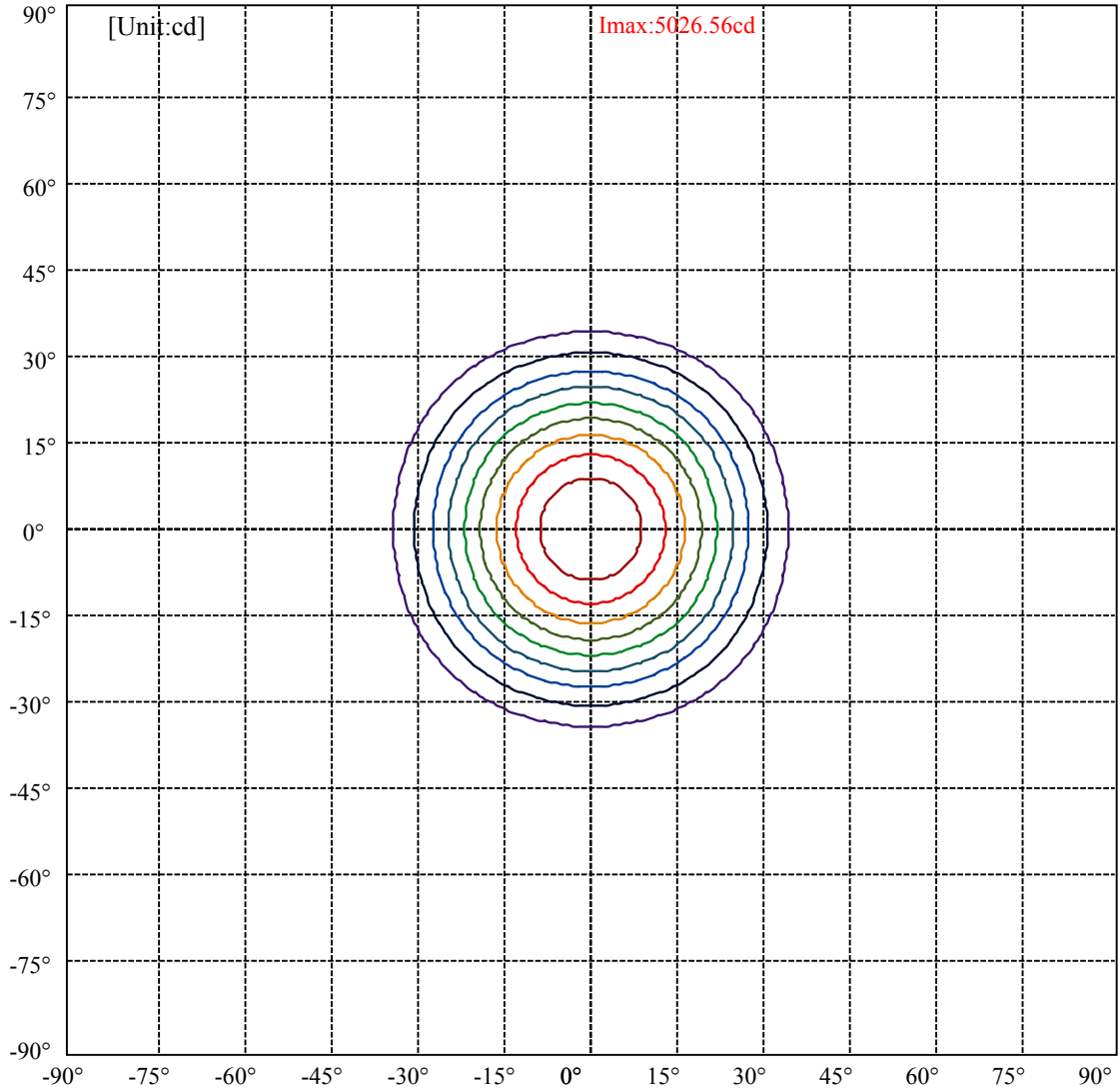
Field angle(10%Imax):C0/180Left:33.8 Right:33.8

:C90/270Left:33.8 Right:33.8

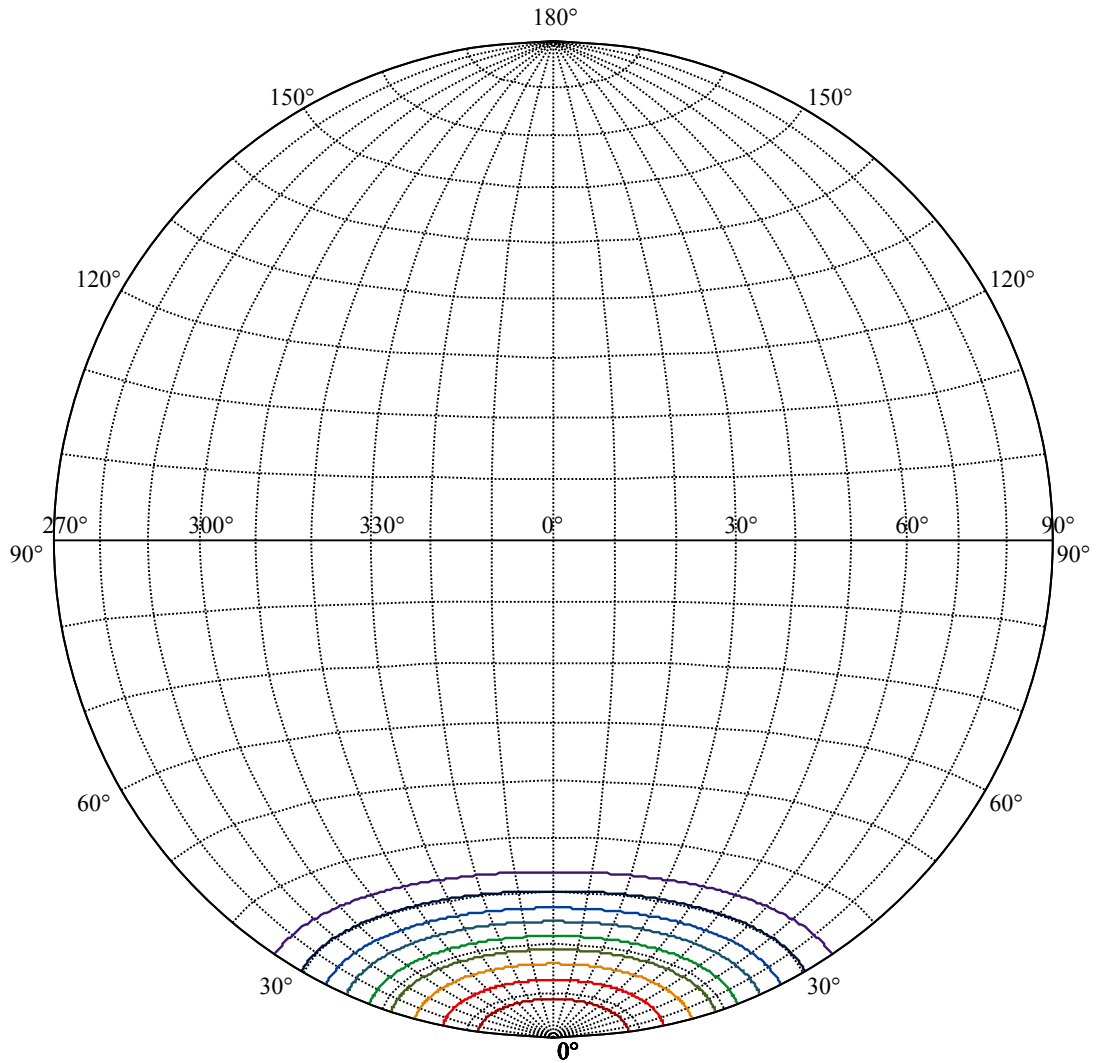
Beam Angle(50%Imax):C0/180Left:21.6 Right:21.6

:C90/270Left:21.6 Right:21.6





(10%Imax) 502.656	—
(20%Imax) 1005.31	—
(30%Imax) 1507.97	—
(40%Imax) 2010.62	—
(50%Imax) 2513.28	—
(60%Imax) 3015.93	—
(70%Imax) 3518.59	—
(80%Imax) 4021.24	—
(90%Imax) 4523.9	—



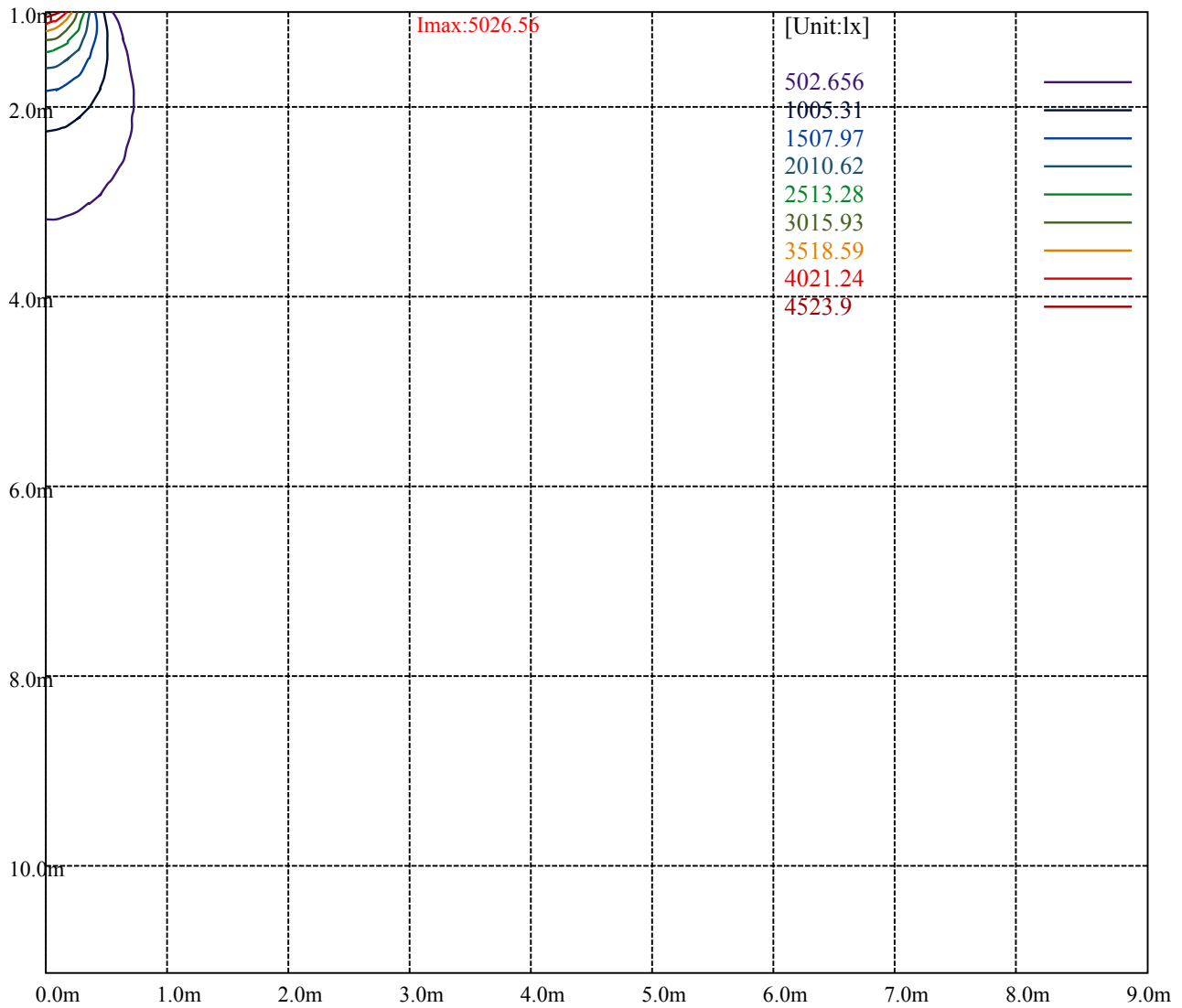
House

[Unit:cd]

Road

Imax:5026.56

(10%Imax)	502.656	—
(20%Imax)	1005.31	—
(30%Imax)	1507.97	—
(40%Imax)	2010.62	—
(50%Imax)	2513.28	—
(60%Imax)	3015.93	—
(70%Imax)	3518.59	—
(80%Imax)	4021.24	—
(90%Imax)	4523.9	—



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

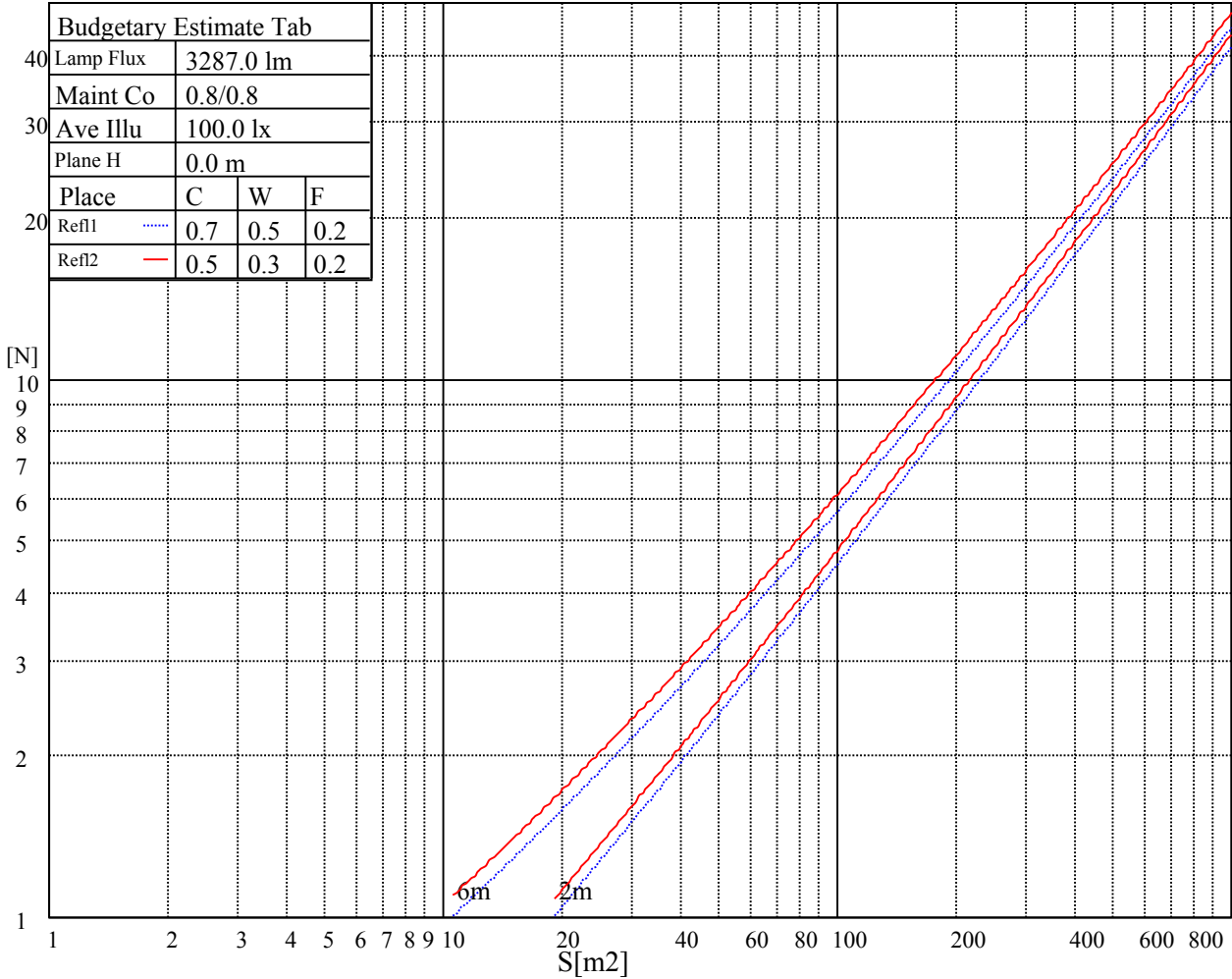
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

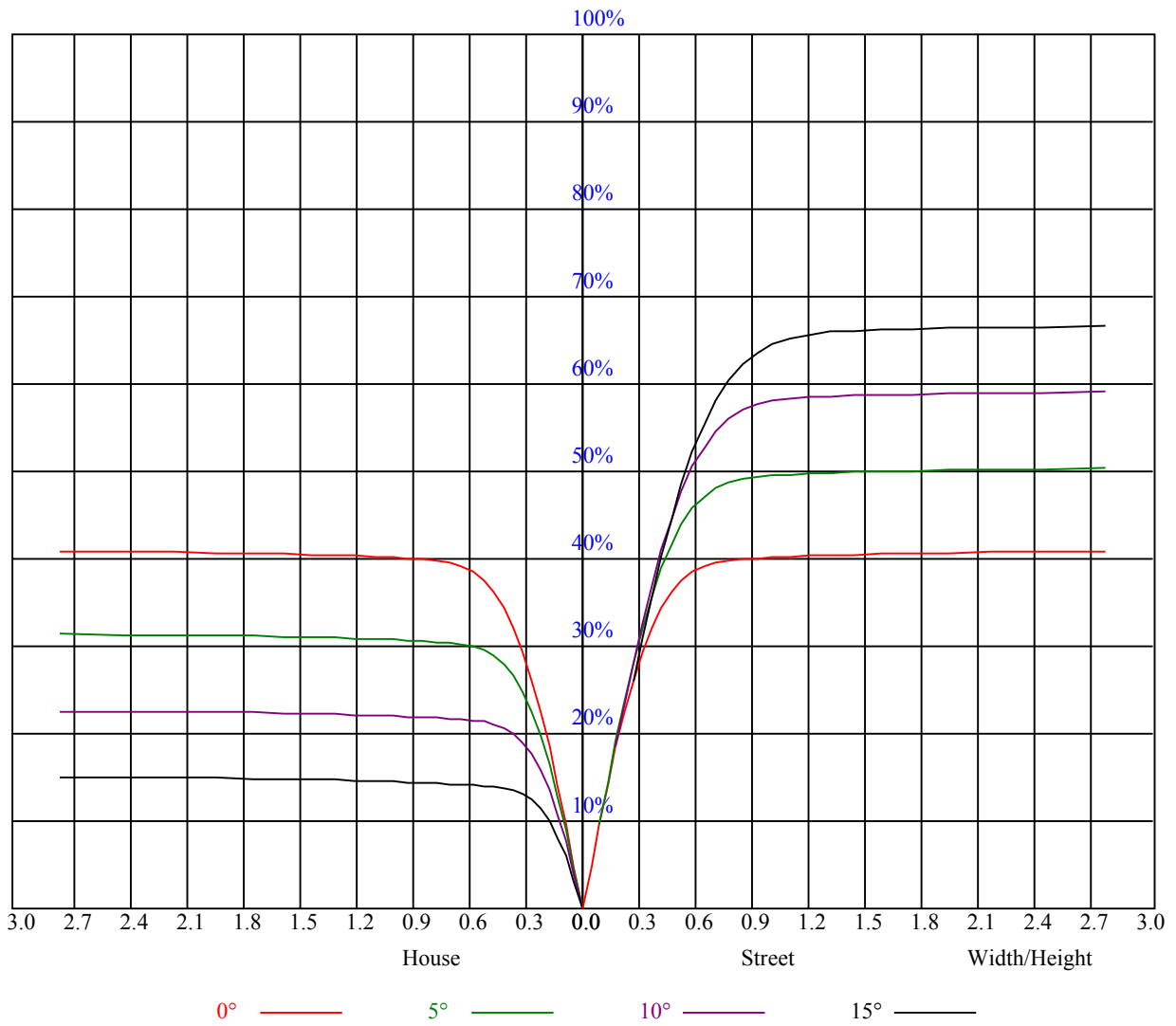


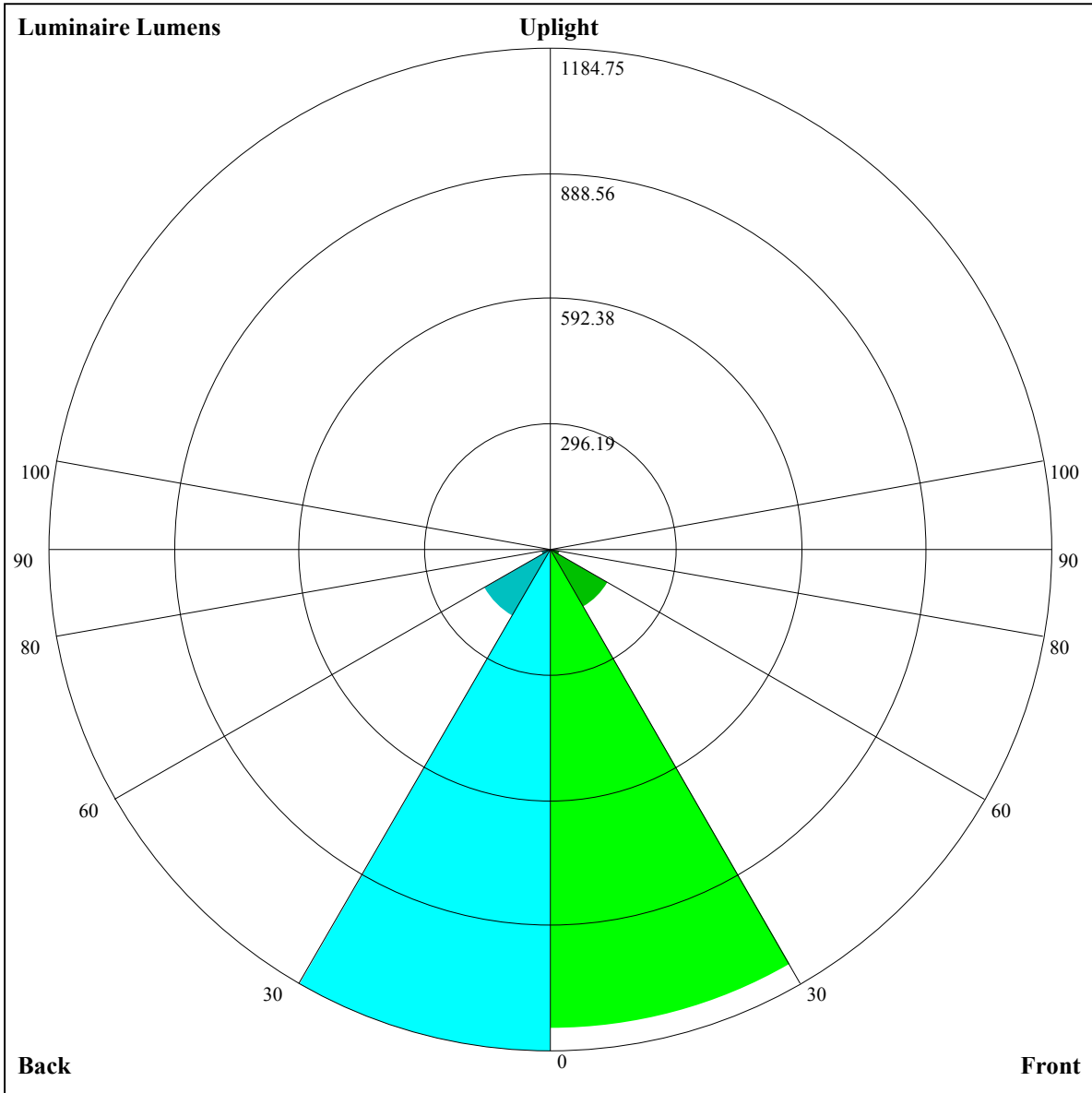
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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





Luminaire Lumens:

FL=1131.09,FM=156.19,FH=22.79,FVH=7.25

BL=1184.75,BM=181.38,BH=23.59,BVH=7.48

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	5007.83	4969.79	4927.65	4876.74	4793.05	4717.56	4631.53	4539.65	4411.48
45.0	5032.99	5016.02	4990.86	4942.28	4888.44	4825.82	4755.01	4654.35	4565.40
90.0	5027.14	5005.49	4959.84	4910.10	4848.65	4760.28	4677.76	4567.15	4468.25
135.0	5038.26	5034.16	5014.85	4974.47	4927.65	4854.50	4783.69	4703.51	4590.56
180.0	5007.83	5024.80	5029.48	5017.19	4991.44	4955.16	4891.95	4828.16	4755.01
225.0	5032.99	5032.99	5016.02	4979.15	4935.85	4880.25	4797.73	4719.90	4630.36
270.0	5027.14	5037.68	5034.75	5014.85	4986.18	4940.53	4888.44	4804.17	4726.92
315.0	5038.26	5031.24	5003.73	4970.37	4924.73	4870.30	4781.35	4703.51	4614.56
360.0	5007.83	4969.79	4927.65	4876.74	4793.05	4717.56	4631.53	4539.65	4411.48
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4299.71	4183.83	4059.76	3894.15	3755.45	3576.95	3420.70	3258.01	3051.42
45.0	4465.33	4357.64	4216.60	4095.46	3964.96	3829.19	3650.11	3500.29	3302.48
90.0	4361.74	4217.19	4093.71	3964.37	3828.60	3655.37	3504.39	3346.96	3184.85
135.0	4493.42	4387.49	4274.54	4123.55	3993.63	3858.45	3716.82	3530.72	3375.05
180.0	4650.84	4559.55	4457.13	4348.87	4201.97	4079.66	3947.99	3807.53	3633.14
225.0	4535.55	4405.63	4296.20	4178.57	4054.50	3895.90	3759.54	3579.29	3425.38
270.0	4639.72	4523.85	4419.68	4277.47	4157.50	4032.84	3898.83	3716.24	3572.86
315.0	4516.24	4383.39	4268.69	4116.53	3990.12	3857.28	3682.29	3533.65	3377.98
360.0	4299.71	4183.83	4059.76	3894.15	3755.45	3576.95	3420.70	3258.01	3051.42
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2879.95	2697.95	2522.38	2314.04	2157.20	1992.75	1818.94	1608.26	1156.46
45.0	3136.28	2966.56	2742.42	2564.51	2397.14	2236.20	2036.64	1867.51	1697.21
90.0	3015.14	2789.24	2607.82	2393.63	2229.77	2067.66	1861.66	1694.28	1524.57
135.0	3216.46	3007.53	2833.13	2649.96	2439.86	2277.75	2117.99	1910.82	1735.84
180.0	3488.00	3294.88	3122.82	2941.40	2758.22	2530.57	2362.61	2202.85	2007.38
225.0	3263.27	3048.50	2873.51	2689.17	2510.09	2303.50	2149.00	1991.58	1827.13
270.0	3425.38	3260.35	3038.55	2854.79	2666.34	2490.19	2282.44	2125.60	1924.86
315.0	3171.39	2998.17	2818.50	2637.08	2419.38	2256.10	2099.85	1938.91	1729.98
360.0	2879.95	2697.95	2522.38	2314.04	2157.20	1992.75	1818.94	1608.26	1156.46
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1156.46	1120.00	938.29	804.33	644.74	526.41	414.75	294.43	214.25
45.0	1525.15	1319.74	1164.66	1012.50	842.78	707.60	588.21	447.17	346.51
90.0	1157.52	1157.52	1013.38	866.07	700.92	578.09	465.96	364.42	253.29
135.0	1559.68	1389.38	1190.99	1035.91	895.45	759.68	602.26	489.31	386.89
180.0	1844.10	1674.97	1505.26	1340.22	1140.08	985.58	842.20	674.24	553.10
225.0	1615.28	1159.86	1159.86	1120.18	927.99	785.25	619.52	501.48	395.67
270.0	1755.73	1588.36	1381.77	1218.50	1064.00	878.48	740.37	612.20	492.23
315.0	1559.68	1153.36	1153.36	1037.37	860.11	724.80	599.15	484.04	354.82
360.0	1156.46	1120.00	938.29	804.33	644.74	526.41	414.75	294.43	214.25
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	147.13	97.91	70.93	62.68	56.01	51.27	47.17	44.77	42.78
45.0	299.11	299.11	106.75	76.14	64.49	56.06	51.09	47.64	45.06
90.0	181.42	123.54	77.78	67.13	57.70	52.20	48.46	45.82	43.07
135.0	296.77	296.77	132.90	84.92	70.87	62.33	54.31	49.92	46.94
180.0	416.15	321.35	300.28	206.17	102.77	77.02	67.18	58.23	53.08
225.0	281.26	205.59	143.20	99.02	73.86	65.31	58.46	53.37	49.22
270.0	359.97	314.32	314.32	133.37	93.64	72.10	63.61	57.00	51.44
315.0	265.58	191.78	131.91	85.03	70.17	61.74	54.02	49.92	46.94
360.0	147.13	97.91	70.93	62.68	56.01	51.27	47.17	44.77	42.78

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	40.79	39.39	38.16	36.81	35.87	34.88	34.06	33.36	32.77
45.0	42.66	40.97	39.50	37.98	36.87	35.87	34.82	34.06	33.36
90.0	41.20	39.68	38.39	36.99	35.93	35.05	34.29	33.36	32.71
135.0	43.89	41.84	40.20	38.68	37.10	35.99	35.05	34.18	33.12
180.0	49.51	47.05	44.36	42.72	41.14	39.50	38.27	37.22	35.93
225.0	46.94	44.89	43.13	41.32	40.03	38.51	37.40	36.11	35.23
270.0	48.52	45.65	43.77	42.14	40.44	39.21	38.10	37.16	35.99
315.0	44.18	42.31	40.73	38.98	37.86	36.75	35.76	34.59	33.88
360.0	40.79	39.39	38.16	36.81	35.87	34.88	34.06	33.36	32.77
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.13	31.31	30.67	30.08	29.38	28.73	28.03	27.56	26.80
45.0	32.60	32.01	31.37	30.67	30.14	29.55	29.03	28.21	27.68
90.0	32.13	31.31	30.72	29.96	29.38	28.85	28.21	27.51	26.92
135.0	32.36	31.49	30.84	30.26	29.55	28.91	28.32	27.74	27.04
180.0	35.00	34.00	33.24	32.60	31.89	31.31	30.55	29.96	29.32
225.0	34.47	33.65	32.83	32.19	31.49	30.96	30.14	29.50	28.85
270.0	35.11	34.35	33.71	32.83	32.19	31.54	30.61	29.90	29.26
315.0	33.12	32.48	31.60	30.84	30.14	29.38	28.73	28.09	27.39
360.0	32.13	31.31	30.67	30.08	29.38	28.73	28.03	27.56	26.80
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.98	25.28	24.58	23.88	23.00	22.36	21.71	21.01	20.19
45.0	27.10	26.51	25.69	25.28	25.34	26.04	27.21	26.45	24.35
90.0	26.28	25.69	24.93	24.29	23.58	22.94	22.18	21.54	20.78
135.0	26.39	25.87	25.22	24.46	23.76	23.12	22.30	21.71	20.89
180.0	28.56	27.92	27.27	26.69	25.81	25.05	24.17	23.53	22.94
225.0	28.21	27.33	26.69	25.87	25.46	25.81	25.98	26.86	27.62
270.0	28.50	27.80	27.15	26.28	25.63	24.87	23.99	23.29	22.65
315.0	26.74	25.87	25.28	24.58	23.88	23.00	22.36	21.77	21.01
360.0	25.98	25.28	24.58	23.88	23.00	22.36	21.71	21.01	20.19
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.37	18.73	18.20	17.62	17.21	16.91	16.44	16.15	15.74
45.0	24.17	22.53	20.72	19.61	18.43	17.50	16.85	16.50	16.09
90.0	20.13	19.25	18.61	18.02	17.62	17.03	16.62	16.15	15.68
135.0	20.19	19.55	18.84	18.14	17.73	17.32	16.91	16.44	16.04
180.0	22.12	21.48	20.89	20.13	19.31	18.79	18.32	17.85	17.38
225.0	26.69	25.16	23.82	22.59	21.30	20.31	19.37	18.38	17.38
270.0	22.00	21.48	20.72	20.07	19.31	18.84	18.38	17.85	17.50
315.0	20.13	19.49	18.67	18.08	17.56	17.21	16.85	16.50	16.27
360.0	19.37	18.73	18.20	17.62	17.21	16.91	16.44	16.15	15.74
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.33	14.63	13.23	12.41	11.94	11.70	11.53	11.47	11.47
45.0	15.68	15.33	14.57	13.69	12.70	11.88	11.70	11.53	11.41
90.0	15.22	14.81	13.99	13.05	12.11	11.76	11.65	11.47	11.47
135.0	15.57	15.16	14.75	13.93	12.76	12.06	11.82	11.65	11.47
180.0	16.91	16.44	16.04	15.51	14.75	13.40	12.23	11.82	11.70
225.0	16.74	16.15	15.45	14.51	13.17	12.35	11.88	11.70	11.53
270.0	16.97	16.56	15.98	15.33	14.10	12.93	12.06	11.82	11.65
315.0	15.80	15.39	14.81	13.64	12.70	12.06	11.82	11.65	11.47
360.0	15.33	14.63	13.23	12.41	11.94	11.70	11.53	11.47	11.47

Intensity data(cd)

C/ γ (°)	90.0
0.0	11.47
45.0	11.47
90.0	11.47
135.0	11.47
180.0	11.53
225.0	11.47
270.0	11.47
315.0	11.47
360.0	11.47