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NT

Client:

LumCAT: 62-0033

Luminaire: 92.70.411.00 Hodel

Report No: 2024625-B009

Ballast type: AC

Test No: 2024625-C009

Voltage(V): 36.760

LampCAT: LUMILEDS 1205

Current(A): 0.601

Lamp flux(lm): 3019.8

Power (W): 22.092

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2654.38, Efficiency(%): 87.90% , Luminous Efficacy(lm/W): 120.15

Central intensity(cd): 4806.658, Maximum intensity(cd): 4806.658

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=40.8

[C90/270]Total=40.8

Field angle(10%Imax): [C0/180]Total=69.2

[C90/270]Total=69.2

Maximum s/h(1/2): C0_180=0.67 C90_270=0.67

Maximum s/h(1/4): C0_180=0.63 C90_270=0.63

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 87.90%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 96.702%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/6/25
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	4806.658	0.000	0	0.00%	0.00%
1.0	4796.855	4.595	4.595	0.15%	0.17%
2.0	4773.739	13.737	18.332	0.45%	0.69%
3.0	4738.918	22.751	41.083	0.75%	1.55%
4.0	4697.001	31.585	72.668	1.05%	2.74%
5.0	4641.551	40.174	112.842	1.33%	4.25%
6.0	4577.908	48.451	161.293	1.60%	6.08%
7.0	4504.682	56.375	217.668	1.87%	8.20%
8.0	4422.970	63.893	281.562	2.12%	10.61%
9.0	4338.112	71.004	352.565	2.35%	13.28%
10.0	4228.309	77.523	430.088	2.57%	16.20%
11.0	4123.188	83.449	513.537	2.76%	19.35%
12.0	3990.854	88.698	602.235	2.94%	22.69%
13.0	3845.206	92.994	695.229	3.08%	26.19%
14.0	3692.755	96.485	791.715	3.20%	29.83%
15.0	3518.943	99.005	890.72	3.28%	33.56%
16.0	3333.427	100.406	991.126	3.32%	37.34%
17.0	3132.183	100.687	1091.813	3.33%	41.13%
18.0	2917.186	99.741	1191.554	3.30%	44.89%
19.0	2711.186	97.922	1289.476	3.24%	48.58%
20.0	2487.704	95.154	1384.631	3.15%	52.16%
21.0	2267.220	91.304	1475.935	3.02%	55.60%
22.0	2059.465	86.947	1562.881	2.88%	58.88%
23.0	1859.904	82.239	1645.12	2.72%	61.98%
24.0	1609.610	75.856	1720.976	2.51%	64.84%
25.0	1452.404	69.624	1790.6	2.31%	67.46%
26.0	1289.690	64.727	1855.327	2.14%	69.90%
27.0	1164.152	60.034	1915.361	1.99%	72.16%
28.0	1044.122	55.909	1971.27	1.85%	74.26%
29.0	922.220	51.445	2022.715	1.70%	76.20%
30.0	821.649	47.084	2069.799	1.56%	77.98%
31.0	726.257	43.076	2112.875	1.43%	79.60%
32.0	647.807	39.365	2152.24	1.30%	81.08%
33.0	577.449	36.097	2188.337	1.20%	82.44%
34.0	513.286	33.009	2221.346	1.09%	83.69%
35.0	459.987	30.226	2251.572	1.00%	84.82%
36.0	411.194	27.739	2279.31	0.92%	85.87%
37.0	367.426	25.394	2304.705	0.84%	86.83%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	329.306	23.256	2327.961	0.77%	87.70%
39.0	297.389	21.391	2349.351	0.71%	88.51%
40.0	270.491	19.806	2369.157	0.66%	89.25%
41.0	248.735	18.489	2387.647	0.61%	89.95%
42.0	225.121	17.216	2404.863	0.57%	90.60%
43.0	195.216	15.571	2420.433	0.52%	91.19%
44.0	177.601	14.071	2434.504	0.47%	91.72%
45.0	161.354	13.026	2447.531	0.43%	92.21%
46.0	147.733	12.088	2459.618	0.40%	92.66%
47.0	134.616	11.230	2470.848	0.37%	93.09%
48.0	123.592	10.438	2481.286	0.35%	93.48%
49.0	113.541	9.738	2491.024	0.32%	93.85%
50.0	104.638	9.097	2500.121	0.30%	94.19%
51.0	96.401	8.506	2508.627	0.28%	94.51%
52.0	89.569	7.980	2516.607	0.26%	94.81%
53.0	82.948	7.504	2524.111	0.25%	95.09%
54.0	77.411	7.068	2531.179	0.23%	95.36%
55.0	72.202	6.678	2537.858	0.22%	95.61%
56.0	68.003	6.335	2544.193	0.21%	95.85%
57.0	63.929	6.032	2550.225	0.20%	96.08%
58.0	60.622	5.760	2555.985	0.19%	96.29%
59.0	57.696	5.531	2561.516	0.18%	96.50%
60.0	54.872	5.318	2566.835	0.18%	96.70%
61.0	52.524	5.125	2571.96	0.17%	96.89%
62.0	49.964	4.938	2576.898	0.16%	97.08%
63.0	47.784	4.754	2581.652	0.16%	97.26%
64.0	45.618	4.583	2586.235	0.15%	97.43%
65.0	43.694	4.420	2590.655	0.15%	97.60%
66.0	41.785	4.265	2594.92	0.14%	97.76%
67.0	39.766	4.101	2599.021	0.14%	97.91%
68.0	38.127	3.946	2602.967	0.13%	98.06%
69.0	37.389	3.852	2606.819	0.13%	98.21%
70.0	37.052	3.823	2610.642	0.13%	98.35%
71.0	37.418	3.849	2614.491	0.13%	98.50%
72.0	38.098	3.927	2618.418	0.13%	98.65%
73.0	33.387	3.738	2622.156	0.12%	98.79%
74.0	26.716	3.160	2625.316	0.10%	98.90%
75.0	24.521	2.707	2628.023	0.09%	99.01%

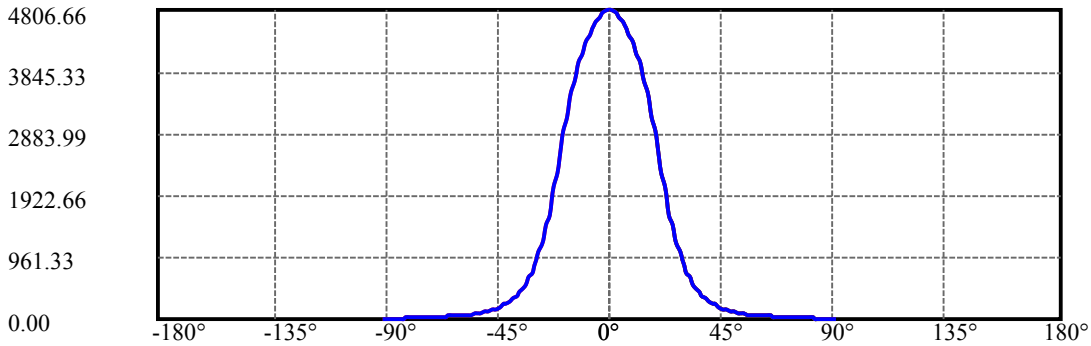
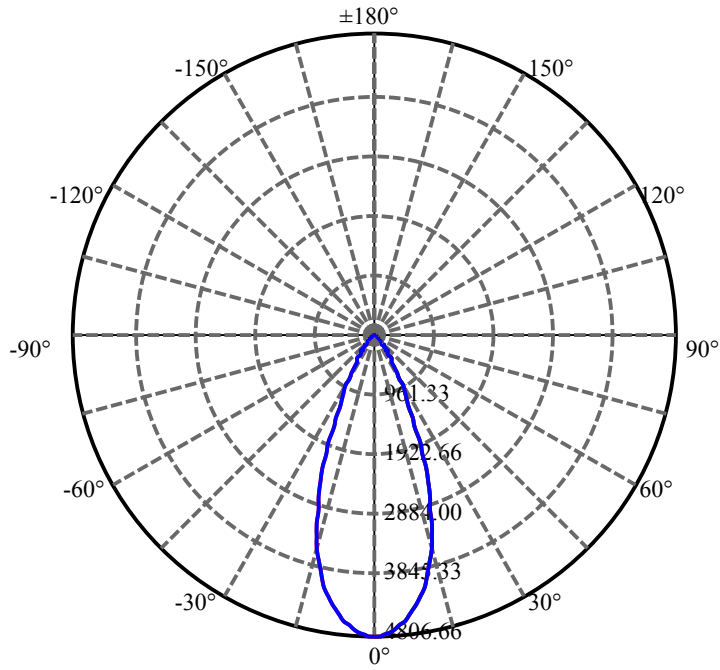
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.253	2.483	2630.506	0.08%	99.10%
77.0	20.746	2.293	2632.798	0.08%	99.19%
78.0	19.693	2.165	2634.963	0.07%	99.27%
79.0	18.932	2.075	2637.038	0.07%	99.35%
80.0	18.032	1.993	2639.031	0.07%	99.42%
81.0	16.255	1.854	2640.885	0.06%	99.49%
82.0	14.762	1.682	2642.567	0.06%	99.55%
83.0	13.504	1.537	2644.104	0.05%	99.61%
84.0	12.685	1.427	2645.531	0.05%	99.67%
85.0	12.699	1.385	2646.916	0.05%	99.72%
86.0	12.999	1.405	2648.321	0.05%	99.77%
87.0	13.504	1.450	2649.771	0.05%	99.83%
88.0	13.877	1.500	2651.271	0.05%	99.88%
89.0	14.148	1.536	2652.807	0.05%	99.94%
90.0	14.594	1.576	2654.383	0.05%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2069.80	68.54%	77.98%
0-40	2369.16	78.45%	89.25%
0-60	2566.83	85.00%	96.70%
0-90	2652.81	87.85%	99.94%
0-120	2652.81	87.85%	99.94%
0-180	2654.38	87.90%	100.00%
60-90	85.97	2.85%	3.24%
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%
0-31.27	2123.51	70.32%	80.00%

ZONAL LUMEN SUMMARY

0-10	430.09
10-20	954.54
20-30	685.17
30-40	299.36
40-50	130.96
50-60	66.71
60-70	43.81
70-80	28.39
80-90	13.78
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: —————

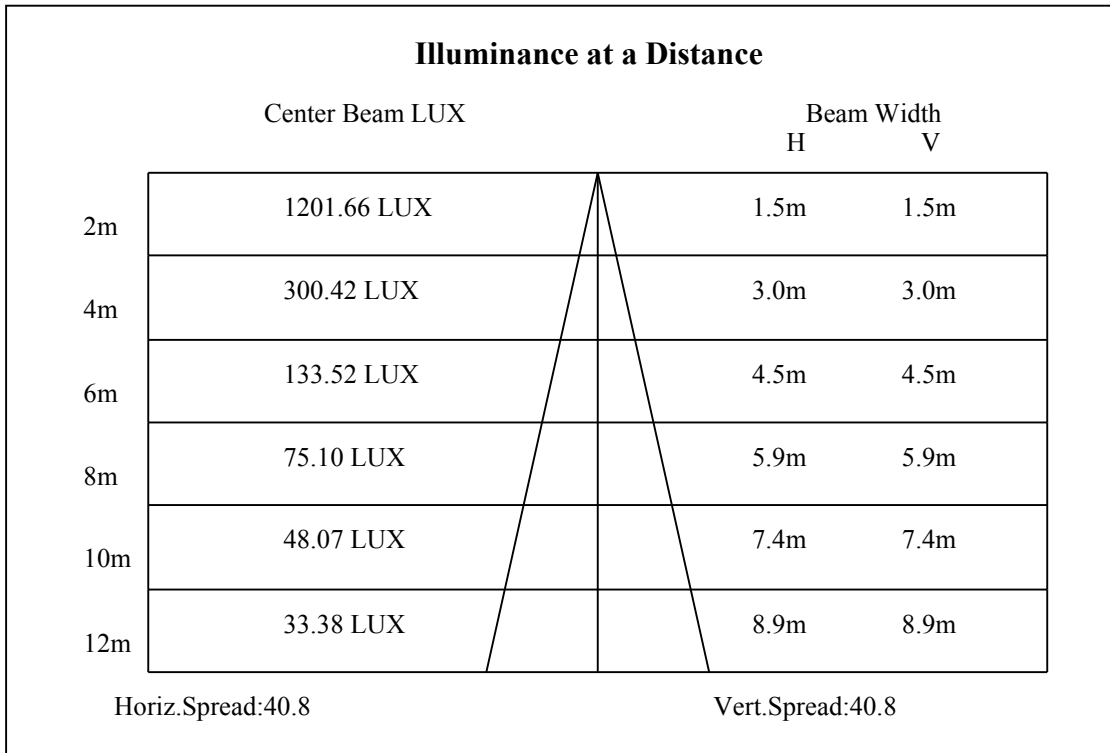
C90/C270: —————

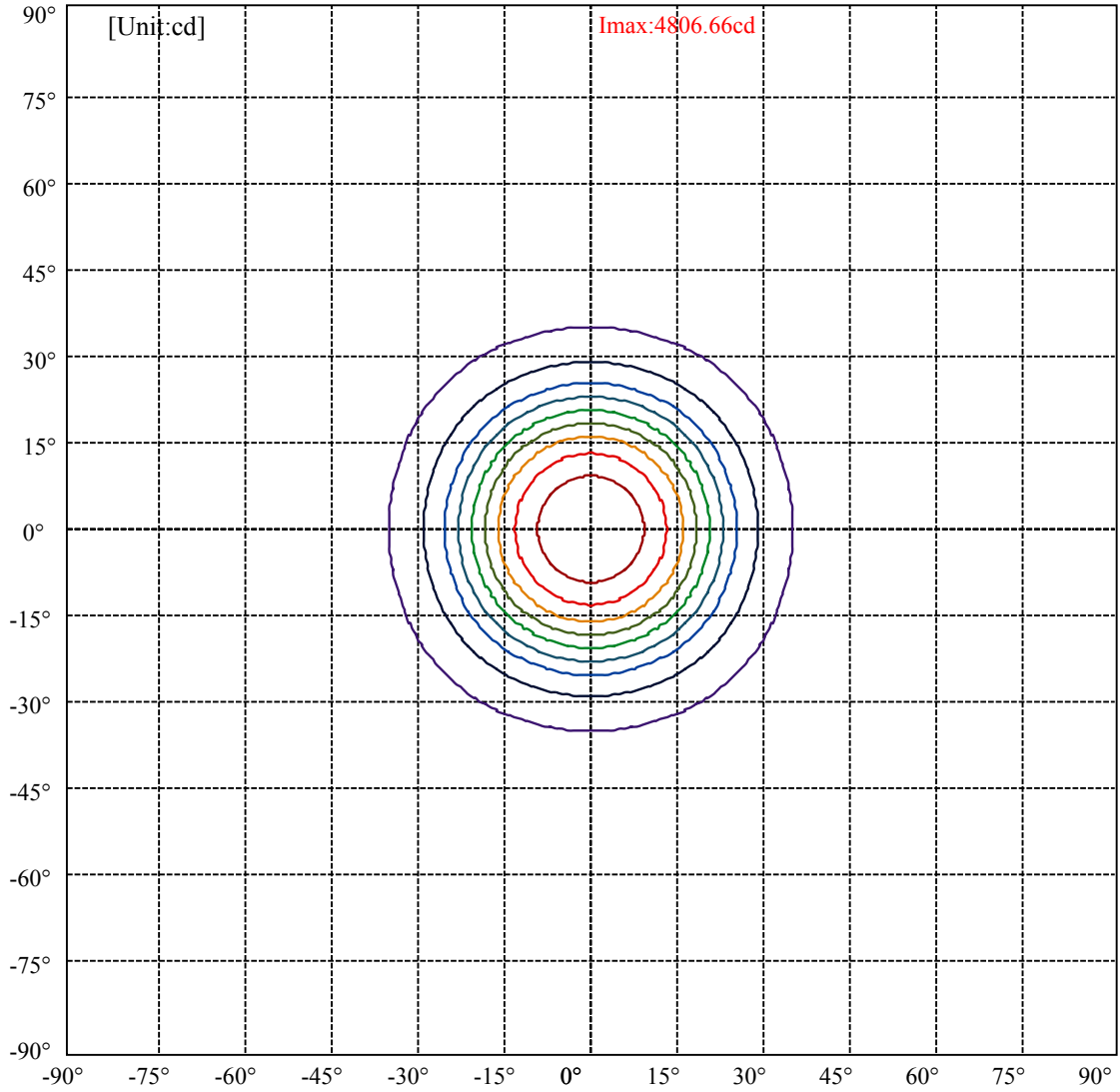
Field angle(10%Imax):C0/180Left:34.6 Right:34.6

:C90/270Left:34.6 Right:34.6

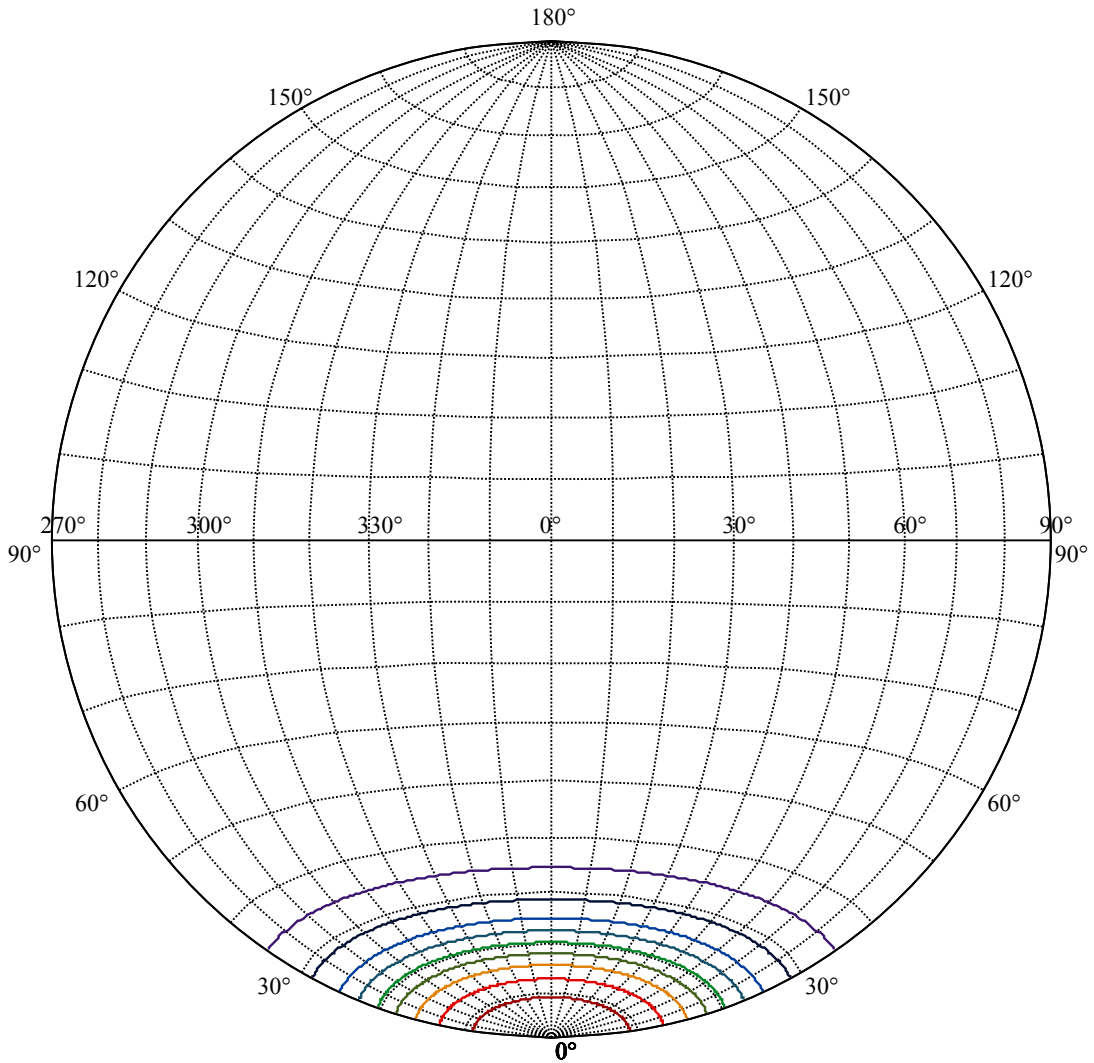
Beam Angle(50%Imax):C0/180Left:20.4 Right:20.4

:C90/270Left:20.4 Right:20.4





(10%I _{max}) 480.666	—
(20%I _{max}) 961.332	—
(30%I _{max}) 1442	—
(40%I _{max}) 1922.66	—
(50%I _{max}) 2403.33	—
(60%I _{max}) 2883.99	—
(70%I _{max}) 3364.66	—
(80%I _{max}) 3845.33	—
(90%I _{max}) 4325.99	—



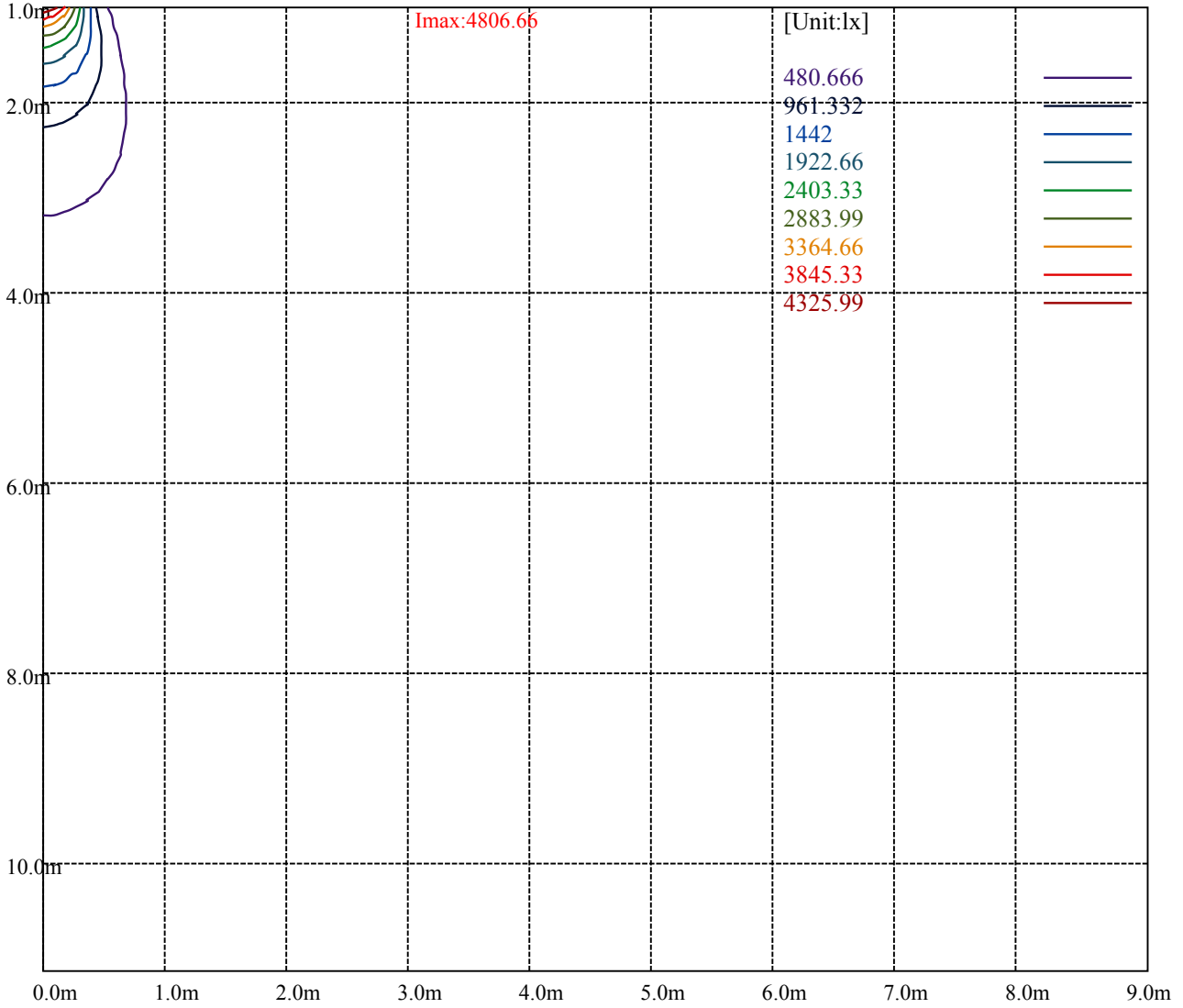
House

[Unit:cd]

Road

Imax:4806.66

(10%Imax)	480.666	—
(20%Imax)	961.332	—
(30%Imax)	1442	—
(40%Imax)	1922.66	—
(50%Imax)	2403.33	—
(60%Imax)	2883.99	—
(70%Imax)	3364.66	—
(80%Imax)	3845.33	—
(90%Imax)	4325.99	—



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

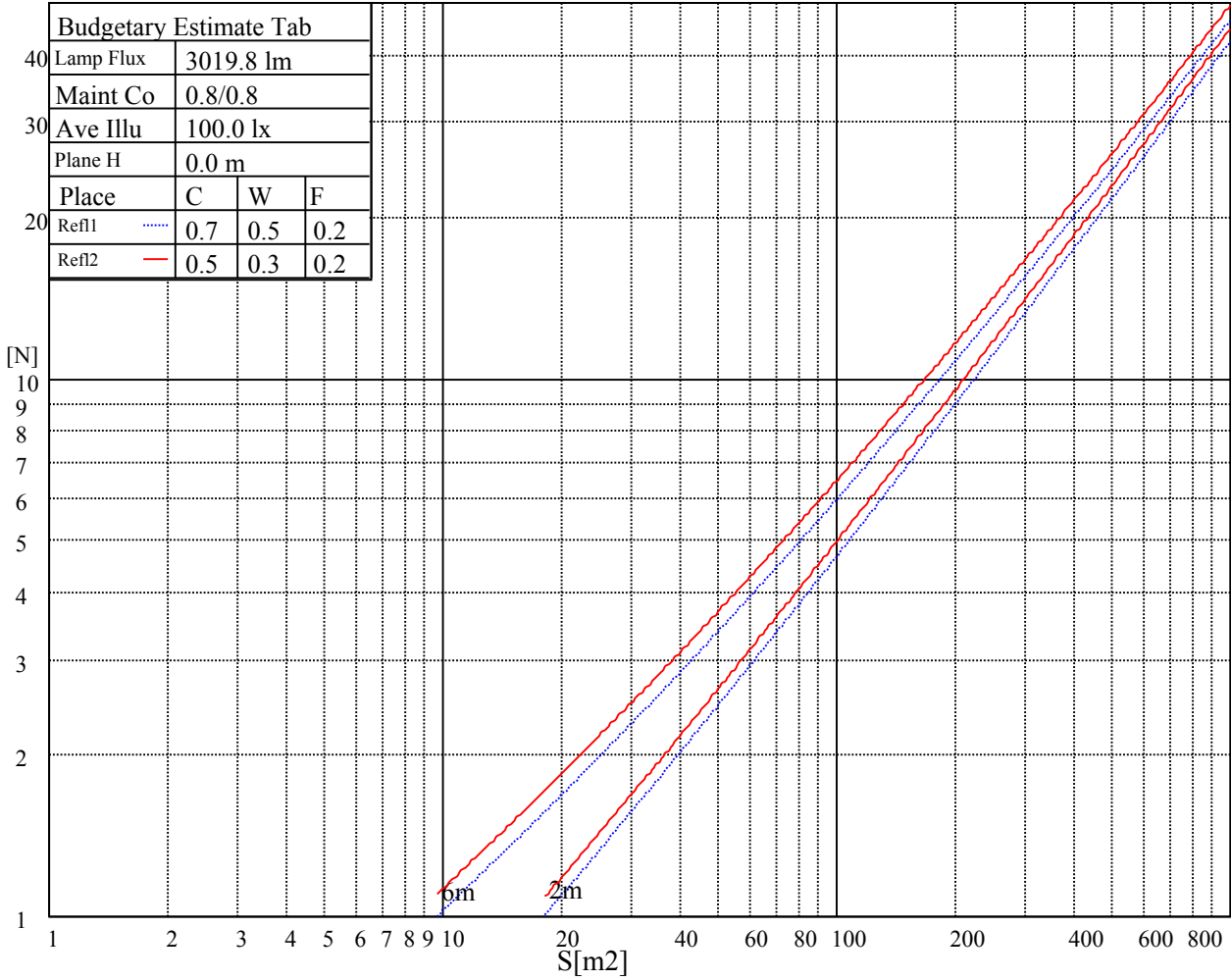
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

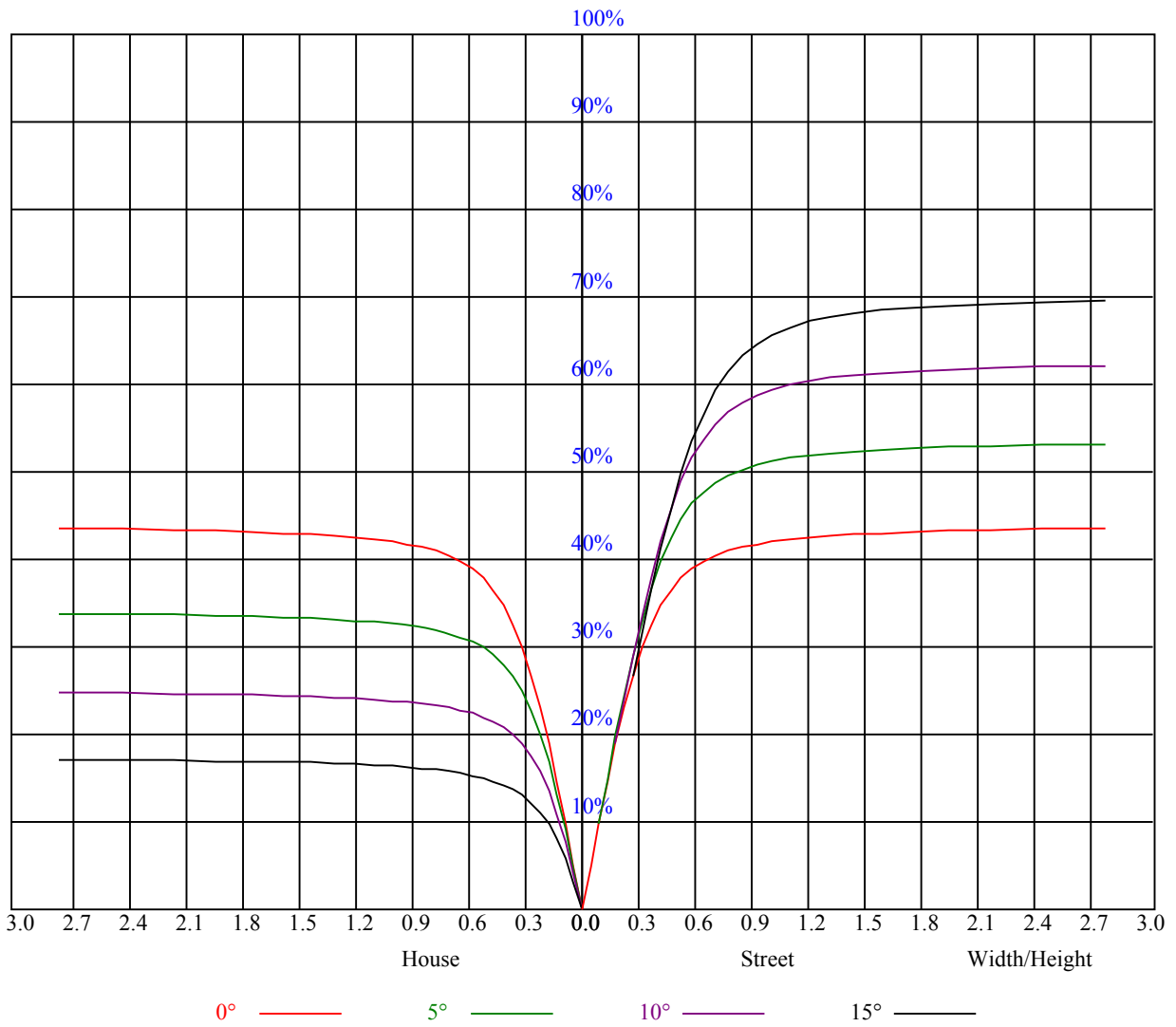


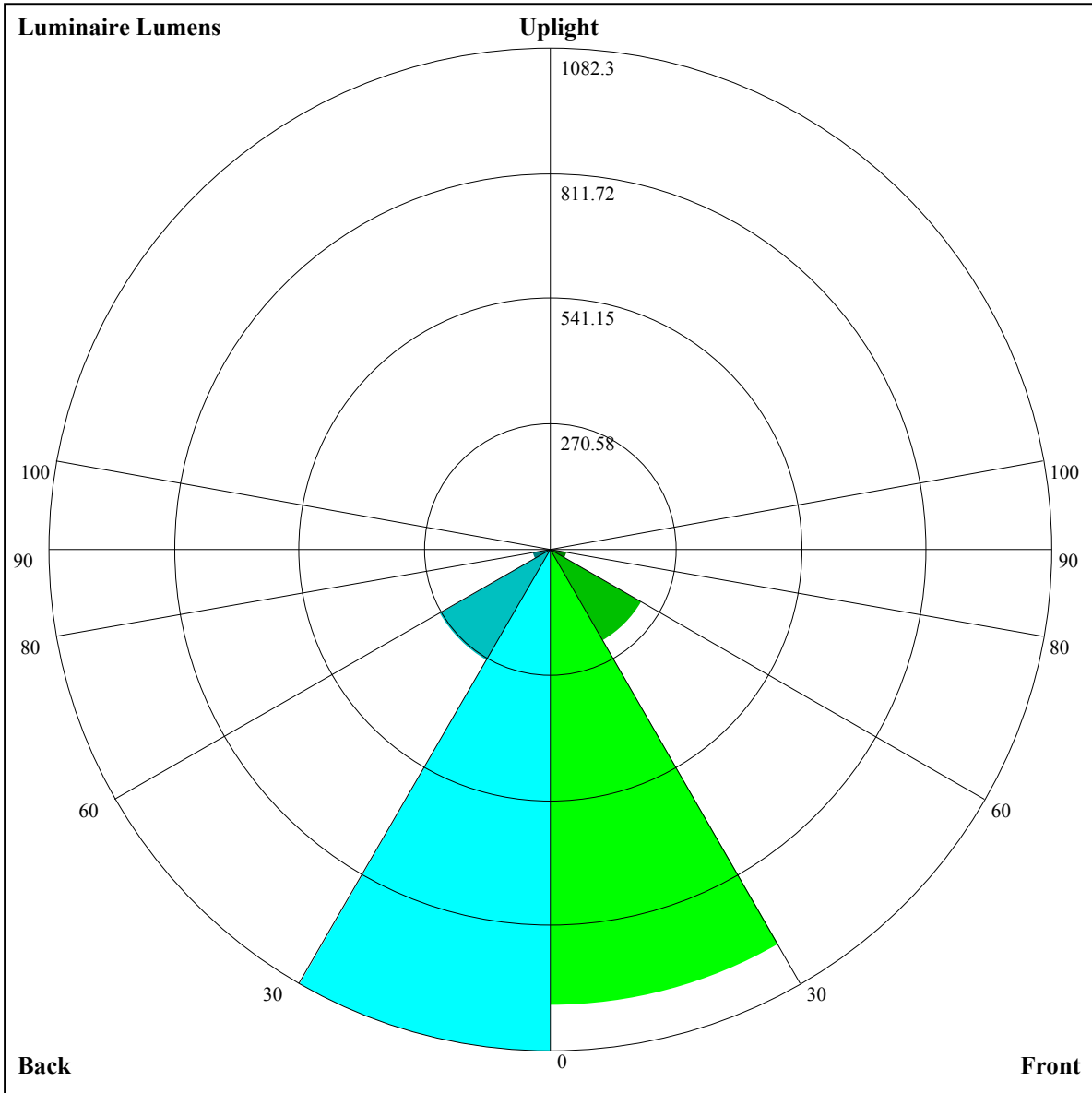
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.05	1.05	1.05	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.88
1	0.97	0.95	0.93	0.95	0.93	0.91	0.92	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.82
2	0.91	0.87	0.84	0.89	0.86	0.83	0.86	0.84	0.81	0.84	0.82	0.80	0.81	0.79	0.78	0.77
3	0.85	0.81	0.77	0.84	0.80	0.77	0.81	0.78	0.75	0.79	0.77	0.74	0.77	0.75	0.73	0.72
4	0.80	0.75	0.72	0.79	0.75	0.71	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.67
5	0.75	0.70	0.67	0.75	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.65	0.70	0.67	0.65	0.64
6	0.71	0.66	0.63	0.71	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.61	0.60
7	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.57
8	0.64	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.54
9	0.61	0.57	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.52
10	0.59	0.54	0.51	0.58	0.54	0.51	0.58	0.53	0.51	0.57	0.53	0.50	0.56	0.53	0.50	0.49





Luminaire Lumens:

FL=983.59,FM=228.05,FH=36.3,FVH=7.49

BL=1082.3,BM=275.38,BH=39.15,BVH=7.86

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	4795.98	4755.01	4714.63	4666.64	4608.71	4529.11	4457.13	4374.62	4258.16
45.0	4814.12	4807.10	4772.57	4729.26	4682.44	4609.88	4545.50	4475.86	4376.37
90.0	4814.70	4798.32	4764.96	4709.95	4659.03	4606.36	4529.11	4454.79	4374.03
135.0	4801.83	4815.29	4810.02	4797.73	4771.40	4744.48	4694.73	4645.57	4575.93
180.0	4795.98	4815.29	4816.46	4801.83	4780.18	4752.67	4704.10	4646.75	4578.27
225.0	4814.12	4804.17	4783.69	4753.26	4715.22	4661.96	4593.49	4528.53	4468.84
270.0	4814.70	4815.88	4798.90	4763.20	4721.65	4671.32	4615.14	4534.38	4466.50
315.0	4801.83	4763.79	4728.68	4689.47	4637.38	4556.62	4484.05	4376.96	4285.66
360.0	4795.98	4755.01	4714.63	4666.64	4608.71	4529.11	4457.13	4374.62	4258.16
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4150.47	4009.43	3885.37	3743.16	3547.11	3385.00	3200.65	2998.17	2749.45
45.0	4287.42	4189.68	4082.00	3928.09	3795.24	3648.35	3482.73	3262.10	3073.66
90.0	4280.98	4153.99	4032.84	3900.58	3758.96	3562.91	3390.85	3202.41	2958.96
135.0	4512.14	4420.26	4321.36	4222.46	4070.30	3948.57	3798.75	3595.68	3417.77
180.0	4521.51	4427.87	4349.45	4242.35	4109.51	3988.37	3840.89	3692.83	3492.68
225.0	4369.35	4279.22	4182.66	4032.84	3904.09	3763.64	3570.52	3399.63	3208.85
270.0	4395.68	4302.05	4209.58	4068.54	3938.62	3805.78	3609.14	3444.69	3279.07
315.0	4187.34	4043.96	3922.24	3788.81	3637.82	3439.43	3258.01	3071.90	2877.02
360.0	4150.47	4009.43	3885.37	3743.16	3547.11	3385.00	3200.65	2998.17	2749.45
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2542.86	2338.03	2132.03	1890.34	1704.82	1531.59	1154.94	1154.94	1058.91
45.0	2875.85	2623.04	2417.04	2161.29	1968.17	1783.24	1610.01	1409.28	1260.05
90.0	2759.98	2555.15	2295.90	2095.75	1902.62	1677.31	1507.01	1147.10	1147.10
135.0	3230.50	3031.52	2779.88	2571.54	2364.95	2161.88	1919.60	1733.49	1521.06
180.0	3309.51	3119.89	2917.41	2661.66	2453.91	2193.48	2006.21	1829.47	1609.43
225.0	2965.39	2770.51	2568.03	2364.37	2121.50	1935.40	1759.24	1593.63	1161.03
270.0	3036.79	2839.57	2581.49	2381.34	2180.61	1992.16	1768.61	1600.06	1440.88
315.0	2616.60	2411.77	2209.87	2011.48	1779.14	1604.16	1151.25	1151.25	1119.07
360.0	2542.86	2338.03	2132.03	1890.34	1704.82	1531.59	1154.94	1154.94	1058.91
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	912.83	807.90	717.66	620.81	552.16	490.71	437.87	377.65	336.33
45.0	1121.35	970.95	866.19	773.14	691.21	619.23	541.98	489.31	444.24
90.0	1052.35	940.40	842.84	753.89	654.22	585.05	525.82	464.38	420.02
135.0	1363.05	1216.74	1056.97	942.86	842.20	750.32	650.83	584.11	525.59
180.0	1444.39	1299.26	1133.64	1012.50	903.65	804.74	719.30	628.00	567.14
225.0	1161.03	1130.42	985.52	884.74	795.44	699.99	634.79	575.92	508.33
270.0	1293.41	1130.71	1015.42	910.08	786.02	709.94	641.47	567.73	511.55
315.0	964.80	856.59	759.51	675.17	585.17	522.49	467.54	419.20	366.70
360.0	912.83	807.90	717.66	620.81	552.16	490.71	437.87	377.65	336.33
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	299.58	266.69	230.75	206.70	186.86	163.98	147.18	128.93	115.93
45.0	392.74	355.29	317.25	296.18	296.18	234.85	217.29	200.91	185.63
90.0	370.39	338.03	306.89	278.33	248.72	227.77	209.80	193.65	175.80
135.0	474.68	414.40	374.02	337.15	295.60	295.60	260.43	212.90	195.29
180.0	509.79	446.00	402.11	362.31	318.42	301.45	301.45	224.73	203.54
225.0	462.62	419.84	380.10	335.63	307.01	279.91	257.15	229.93	209.39
270.0	450.68	404.45	366.41	331.30	300.28	300.28	239.59	218.29	199.56
315.0	329.07	294.72	256.91	231.52	210.86	186.04	168.08	152.39	135.66
360.0	299.58	266.69	230.75	206.70	186.86	163.98	147.18	128.93	115.93

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	103.94	93.93	83.86	76.84	71.75	66.66	61.21	57.88	54.02
45.0	168.37	155.08	143.09	133.14	120.21	110.61	101.77	93.05	86.20
90.0	163.16	150.93	136.47	127.46	118.92	108.97	101.95	96.15	89.71
135.0	176.15	161.64	149.06	137.24	124.13	115.99	107.51	100.07	91.76
180.0	185.34	168.84	150.29	137.12	125.24	114.12	103.53	95.04	88.19
225.0	190.72	171.88	157.66	142.85	130.62	120.67	110.55	102.65	95.16
270.0	178.67	165.03	152.98	138.58	128.69	117.98	110.49	102.88	94.81
315.0	124.48	114.53	103.53	95.51	88.78	82.11	74.21	68.82	63.73
360.0	103.94	93.93	83.86	76.84	71.75	66.66	61.21	57.88	54.02
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	51.21	47.58	44.77	42.31	39.62	37.86	35.93	34.41	32.83
45.0	80.59	74.09	69.93	66.07	62.27	59.34	56.83	54.37	51.62
90.0	84.80	80.82	76.43	73.33	70.11	67.42	64.20	61.80	59.28
135.0	86.15	81.00	76.31	71.63	68.59	65.31	61.92	59.52	56.53
180.0	79.94	74.44	69.29	62.97	58.87	55.01	51.32	48.63	46.06
225.0	88.08	80.76	75.49	71.16	67.48	63.56	60.80	58.00	54.72
270.0	88.84	83.45	78.77	73.50	69.58	66.48	63.50	60.63	57.53
315.0	59.69	55.48	53.02	50.45	48.46	46.58	44.48	42.84	41.14
360.0	51.21	47.58	44.77	42.31	39.62	37.86	35.93	34.41	32.83
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	31.25	30.02	28.85	27.68	25.69	23.94	22.82	21.54	19.84
45.0	49.57	47.46	45.47	43.07	41.49	41.49	44.13	47.87	53.72
90.0	57.00	54.48	52.55	50.74	48.34	46.47	48.81	52.85	57.70
135.0	54.19	51.85	49.57	47.05	44.95	42.90	40.67	38.04	36.23
180.0	43.19	41.08	39.09	37.16	34.88	33.12	30.43	28.73	26.98
225.0	52.26	49.92	47.17	45.12	43.19	40.85	38.86	37.28	36.05
270.0	55.25	52.44	50.56	48.52	45.94	44.18	42.66	40.61	40.61
315.0	39.56	37.69	36.28	34.94	33.65	32.07	30.72	29.50	28.21
360.0	31.25	30.02	28.85	27.68	25.69	23.94	22.82	21.54	19.84
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.43	17.09	15.86	15.27	14.86	14.57	14.22	13.99	13.58
45.0	57.47	56.59	27.56	25.52	23.29	21.59	20.19	19.31	18.43
90.0	60.69	35.82	32.95	29.26	26.39	24.58	23.17	22.24	20.78
135.0	34.59	32.83	30.43	28.21	24.81	22.65	21.13	19.66	18.79
180.0	25.16	22.65	20.60	18.73	16.91	16.09	15.74	15.39	14.92
225.0	38.57	32.19	29.61	26.92	24.11	22.77	21.59	20.60	19.14
270.0	43.19	45.41	33.94	31.43	28.38	25.63	24.05	23.53	23.00
315.0	26.69	24.52	22.77	20.83	19.25	18.08	17.44	16.74	15.63
360.0	18.43	17.09	15.86	15.27	14.86	14.57	14.22	13.99	13.58
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.17	12.76	12.23	11.53	10.77	10.71	10.77	10.71	10.65
45.0	17.21	14.86	13.69	12.41	13.93	14.34	16.09	16.91	17.32
90.0	17.15	14.81	12.87	12.17	11.53	11.24	11.00	10.83	10.71
135.0	17.85	15.80	14.69	13.28	13.05	13.69	15.22	16.27	16.74
180.0	14.63	14.16	13.75	12.93	12.23	10.89	10.71	10.89	10.77
225.0	15.98	14.98	13.64	13.69	15.27	17.56	18.26	19.02	19.90
270.0	20.13	17.62	14.92	12.93	12.17	11.35	11.00	10.77	10.59
315.0	13.93	13.11	12.23	12.52	12.64	14.22	14.98	15.63	16.50
360.0	13.17	12.76	12.23	11.53	10.77	10.71	10.77	10.71	10.65

Intensity data(cd)

C/γ(°)	90.0
0.0	10.71
45.0	18.08
90.0	10.65
135.0	17.62
180.0	10.71
225.0	20.48
270.0	10.53
315.0	17.97
360.0	10.71