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NT

Client:

LumCAT: 3-2807-L

Luminaire: 92.70.411.00

Report No: 2024402-B030

Ballast type: AC

Test No: 2024402-C030

Voltage(V): 35.180

LampCAT: LUMILEDS LUXEON 1205

Current(A): 0.485

Lamp flux(lm): 2202.0

Power (W): 17.062

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1848.10, Efficiency(%): 83.93% , Luminous Efficacy(lm/W): 108.32

Central intensity(cd): 4215.142, Maximum intensity(cd): 4215.142

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=35.8

[C90/270]Total=35.8

Field angle(10%Imax): [C0/180]Total=64.6

[C90/270]Total=64.6

Maximum s/h(1/2): C0_180=0.59 C90_270=0.59

Maximum s/h(1/4): C0_180=0.59 C90_270=0.59

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.93%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.689%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/02
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	4215.142	0.000	0	0.00%	0.00%
1.0	4204.973	4.029	4.029	0.18%	0.22%
2.0	4181.491	12.037	16.066	0.55%	0.87%
3.0	4146.817	19.919	35.984	0.90%	1.95%
4.0	4097.219	27.595	63.58	1.25%	3.44%
5.0	4038.257	34.998	98.578	1.59%	5.33%
6.0	3967.665	42.073	140.652	1.91%	7.61%
7.0	3880.759	48.715	189.367	2.21%	10.25%
8.0	3776.077	54.799	244.165	2.49%	13.21%
9.0	3643.157	60.129	304.294	2.73%	16.47%
10.0	3509.068	64.725	369.019	2.94%	19.97%
11.0	3358.811	68.624	437.643	3.12%	23.68%
12.0	3185.877	71.543	509.186	3.25%	27.55%
13.0	3004.018	73.458	582.644	3.34%	31.53%
14.0	2819.087	74.535	657.18	3.38%	35.56%
15.0	2650.543	75.090	732.269	3.41%	39.62%
16.0	2453.322	74.786	807.055	3.40%	43.67%
17.0	2277.169	73.666	880.722	3.35%	47.66%
18.0	2083.972	71.906	952.627	3.27%	51.55%
19.0	1919.231	69.648	1022.275	3.16%	55.32%
20.0	1752.442	67.202	1089.477	3.05%	58.95%
21.0	1598.527	64.345	1153.822	2.92%	62.43%
22.0	1427.152	60.802	1214.624	2.76%	65.72%
23.0	1268.402	56.560	1271.184	2.57%	68.78%
24.0	1194.342	53.844	1325.029	2.45%	71.70%
25.0	1088.314	51.903	1376.931	2.36%	74.51%
26.0	981.898	48.868	1425.799	2.22%	77.15%
27.0	893.214	45.875	1471.674	2.08%	79.63%
28.0	816.652	43.290	1514.964	1.97%	81.97%
29.0	730.236	40.471	1555.435	1.84%	84.16%
30.0	638.729	36.962	1592.397	1.68%	86.16%
31.0	540.104	32.805	1625.202	1.49%	87.94%
32.0	446.271	28.258	1653.461	1.28%	89.47%
33.0	354.588	23.594	1677.054	1.07%	90.74%
34.0	282.715	19.287	1696.341	0.88%	91.79%
35.0	232.144	15.990	1712.331	0.73%	92.65%
36.0	151.398	12.212	1724.543	0.55%	93.31%
37.0	90.673	7.895	1732.438	0.36%	93.74%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	73.292	5.473	1737.911	0.25%	94.04%
39.0	65.626	4.742	1742.652	0.22%	94.29%
40.0	59.869	4.377	1747.029	0.20%	94.53%
41.0	55.304	4.101	1751.13	0.19%	94.75%
42.0	51.163	3.868	1754.998	0.18%	94.96%
43.0	47.864	3.668	1758.667	0.17%	95.16%
44.0	44.923	3.502	1762.169	0.16%	95.35%
45.0	42.261	3.351	1765.519	0.15%	95.53%
46.0	39.971	3.216	1768.735	0.15%	95.71%
47.0	38.054	3.103	1771.838	0.14%	95.87%
48.0	36.277	3.005	1774.843	0.14%	96.04%
49.0	34.755	2.917	1777.76	0.13%	96.19%
50.0	33.468	2.844	1780.605	0.13%	96.35%
51.0	32.231	2.780	1783.384	0.13%	96.50%
52.0	31.112	2.718	1786.102	0.12%	96.65%
53.0	29.964	2.657	1788.759	0.12%	96.79%
54.0	28.969	2.597	1791.357	0.12%	96.93%
55.0	27.835	2.536	1793.892	0.12%	97.07%
56.0	26.650	2.462	1796.354	0.11%	97.20%
57.0	25.567	2.387	1798.742	0.11%	97.33%
58.0	24.345	2.308	1801.05	0.10%	97.45%
59.0	23.051	2.216	1803.266	0.10%	97.57%
60.0	21.939	2.125	1805.391	0.10%	97.69%
61.0	20.805	2.040	1807.431	0.09%	97.80%
62.0	19.700	1.952	1809.383	0.09%	97.91%
63.0	18.800	1.872	1811.255	0.09%	98.01%
64.0	17.886	1.800	1813.055	0.08%	98.10%
65.0	17.023	1.728	1814.783	0.08%	98.20%
66.0	16.379	1.667	1816.449	0.08%	98.29%
67.0	15.991	1.628	1818.077	0.07%	98.38%
68.0	15.772	1.609	1819.686	0.07%	98.46%
69.0	15.743	1.608	1821.294	0.07%	98.55%
70.0	15.472	1.603	1822.897	0.07%	98.64%
71.0	15.128	1.582	1824.479	0.07%	98.72%
72.0	15.391	1.587	1826.065	0.07%	98.81%
73.0	15.121	1.596	1827.661	0.07%	98.89%
74.0	14.799	1.573	1829.234	0.07%	98.98%
75.0	14.755	1.562	1830.795	0.07%	99.06%

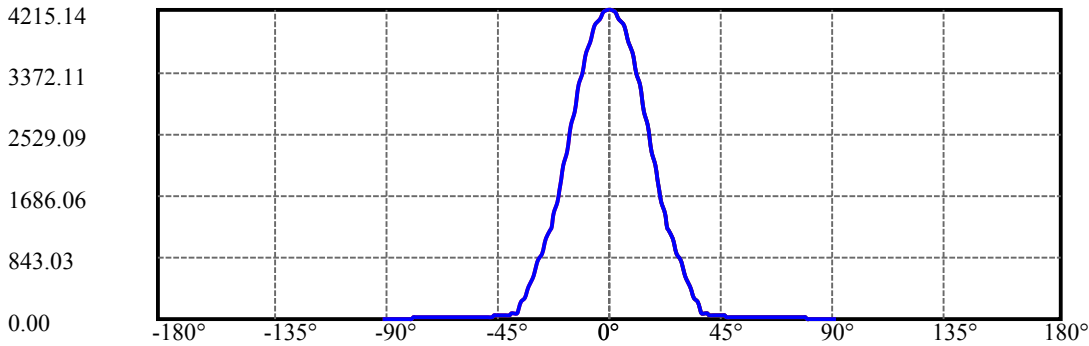
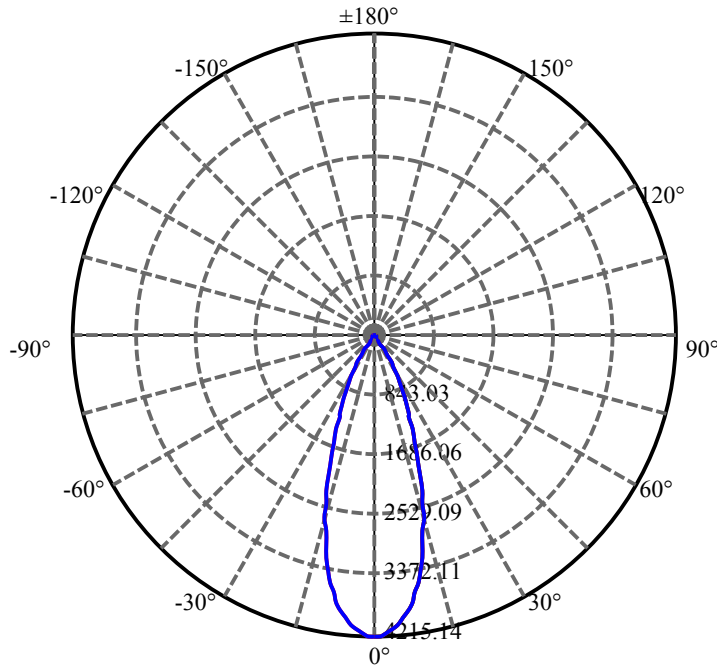
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.309	1.543	1832.338	0.07%	99.15%
77.0	14.140	1.517	1833.855	0.07%	99.23%
78.0	13.753	1.493	1835.348	0.07%	99.31%
79.0	13.043	1.440	1836.788	0.07%	99.39%
80.0	12.304	1.367	1838.154	0.06%	99.46%
81.0	11.222	1.272	1839.427	0.06%	99.53%
82.0	9.956	1.148	1840.575	0.05%	99.59%
83.0	9.334	1.049	1841.624	0.05%	99.65%
84.0	9.027	1.000	1842.624	0.05%	99.70%
85.0	8.742	0.970	1843.594	0.04%	99.76%
86.0	8.449	0.940	1844.534	0.04%	99.81%
87.0	8.215	0.912	1845.446	0.04%	99.86%
88.0	8.098	0.894	1846.339	0.04%	99.90%
89.0	7.981	0.881	1847.221	0.04%	99.95%
90.0	8.003	0.876	1848.097	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1592.40	72.32%	86.16%
0-40	1747.03	79.34%	94.53%
0-60	1805.39	81.99%	97.69%
0-90	1847.22	83.89%	99.95%
0-120	1847.22	83.89%	99.95%
0-180	1848.10	83.93%	100.00%
60-90	41.83	1.90%	2.26%
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%
0-27.16	1478.48	67.14%	80.00%

ZONAL LUMEN SUMMARY

0-10	369.02
10-20	720.46
20-30	502.92
30-40	154.63
40-50	33.58
50-60	24.79
60-70	17.51
70-80	15.26
80-90	9.07
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: —————

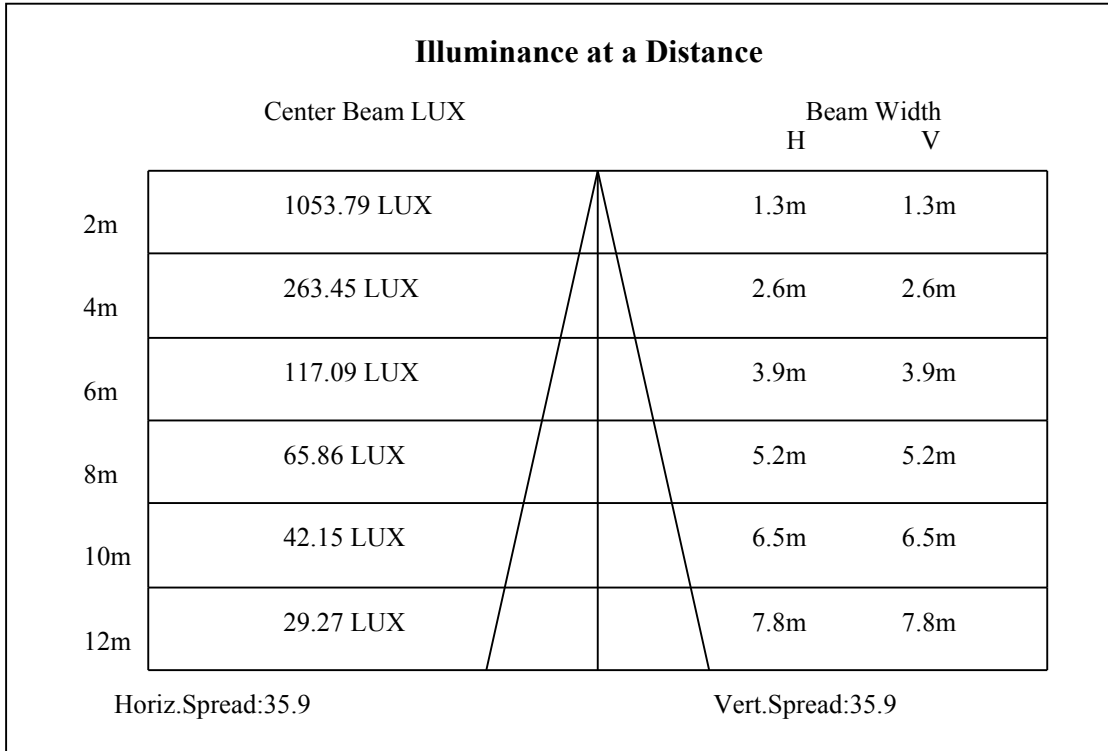
C90/C270: —————

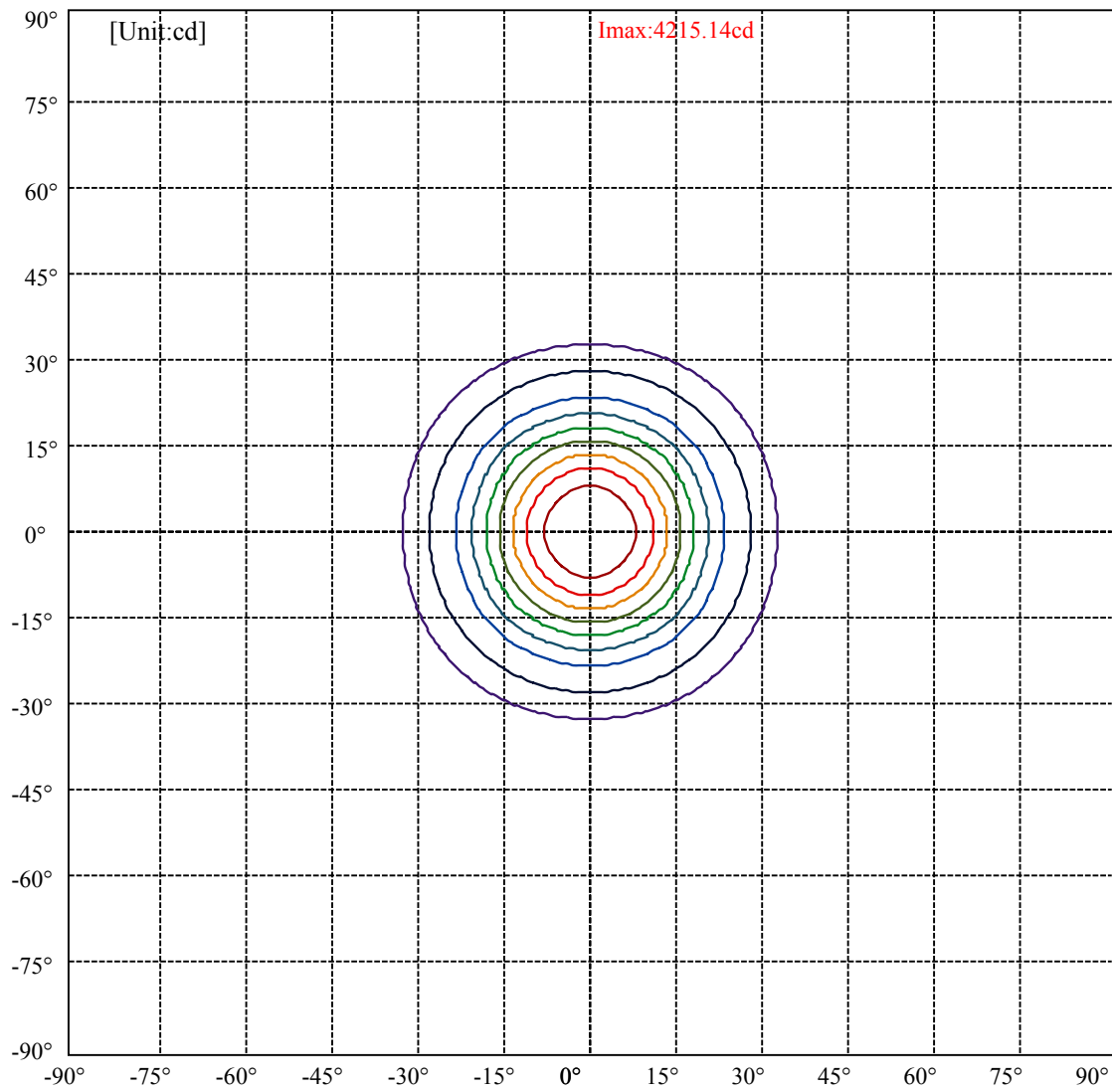
Field angle(10%Imax):C0/180Left:32.3 Right:32.3

:C90/270Left:32.3 Right:32.3

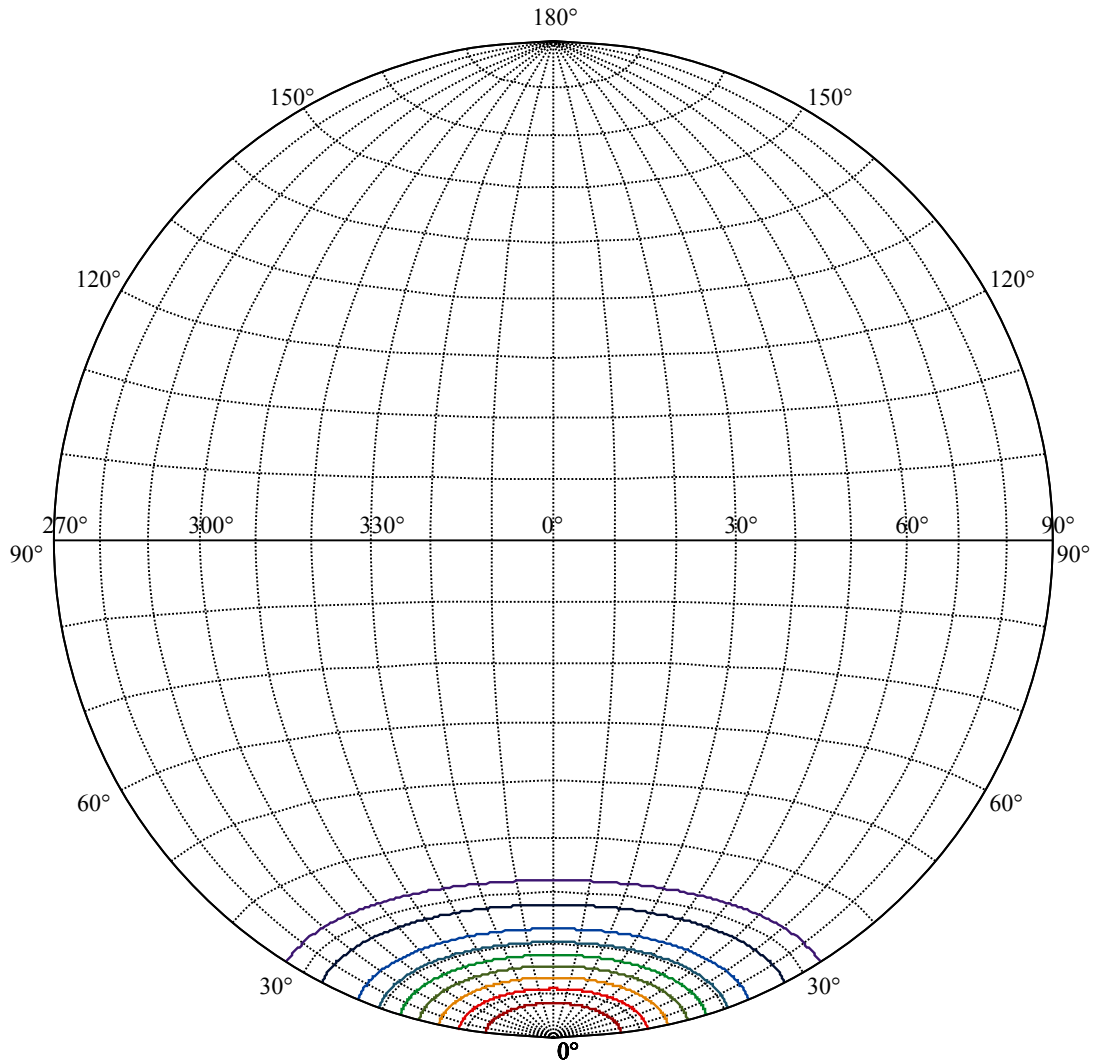
Beam Angle(50%Imax):C0/180Left:17.9 Right:17.9

:C90/270Left:17.9 Right:17.9





(10%Imax) 421.514	—
(20%Imax) 843.028	—
(30%Imax) 1264.54	—
(40%Imax) 1686.06	—
(50%Imax) 2107.57	—
(60%Imax) 2529.09	—
(70%Imax) 2950.6	—
(80%Imax) 3372.11	—
(90%Imax) 3793.63	—



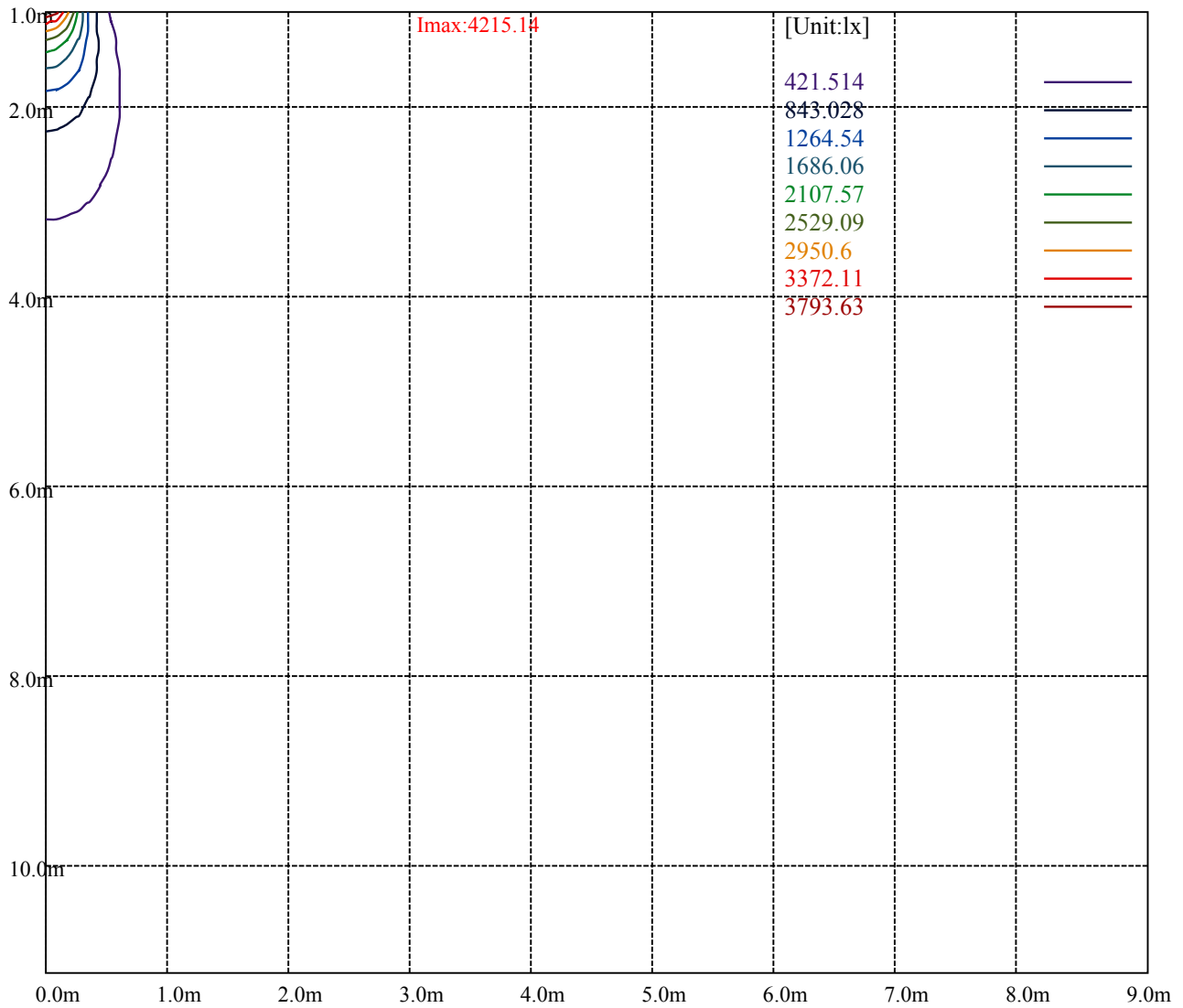
House

[Unit:cd]

Road

Imax:4215.14

(10%Imax)	421.514	—
(20%Imax)	843.028	—
(30%Imax)	1264.54	—
(40%Imax)	1686.06	—
(50%Imax)	2107.57	—
(60%Imax)	2529.09	—
(70%Imax)	2950.6	—
(80%Imax)	3372.11	—
(90%Imax)	3793.63	—



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

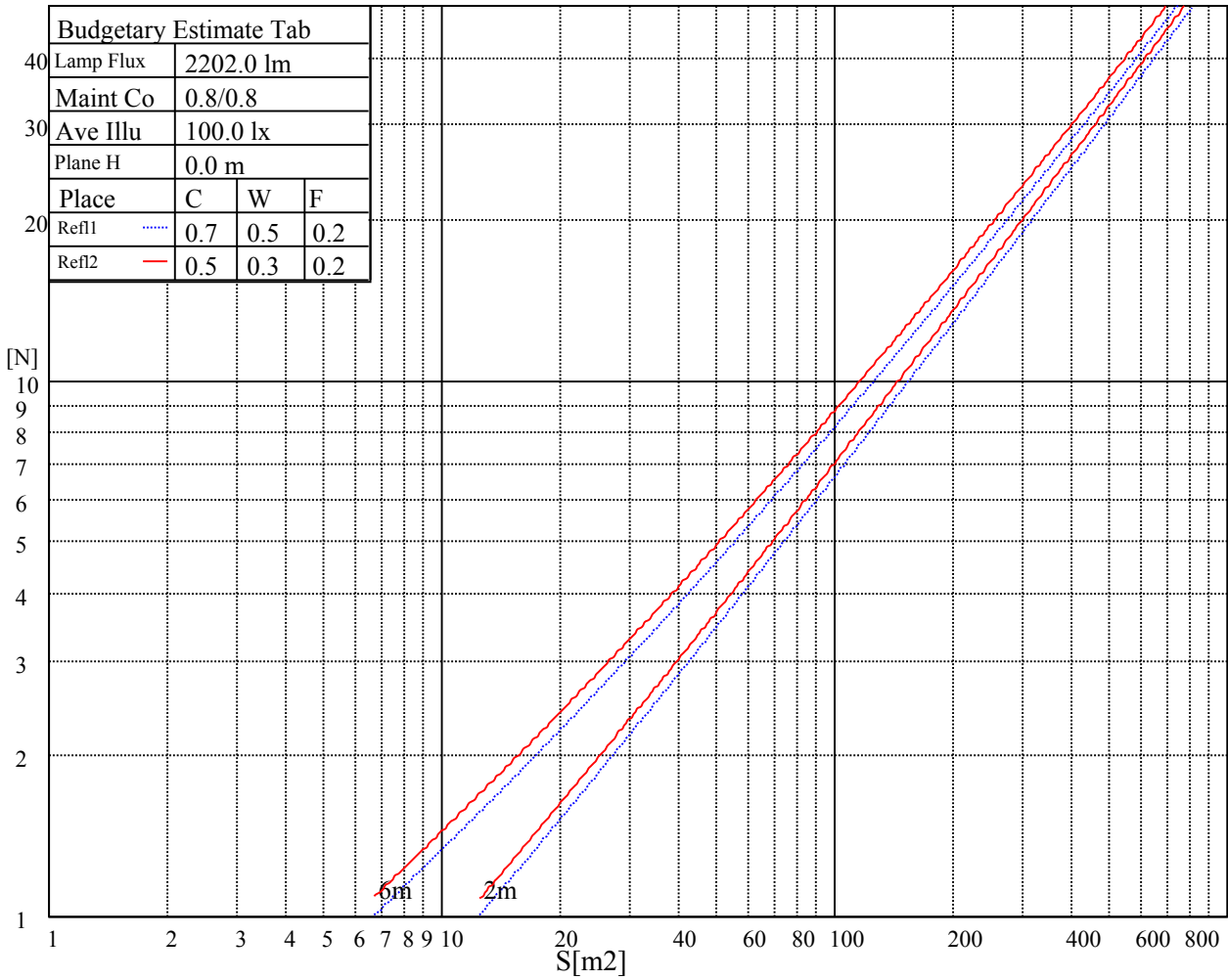
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

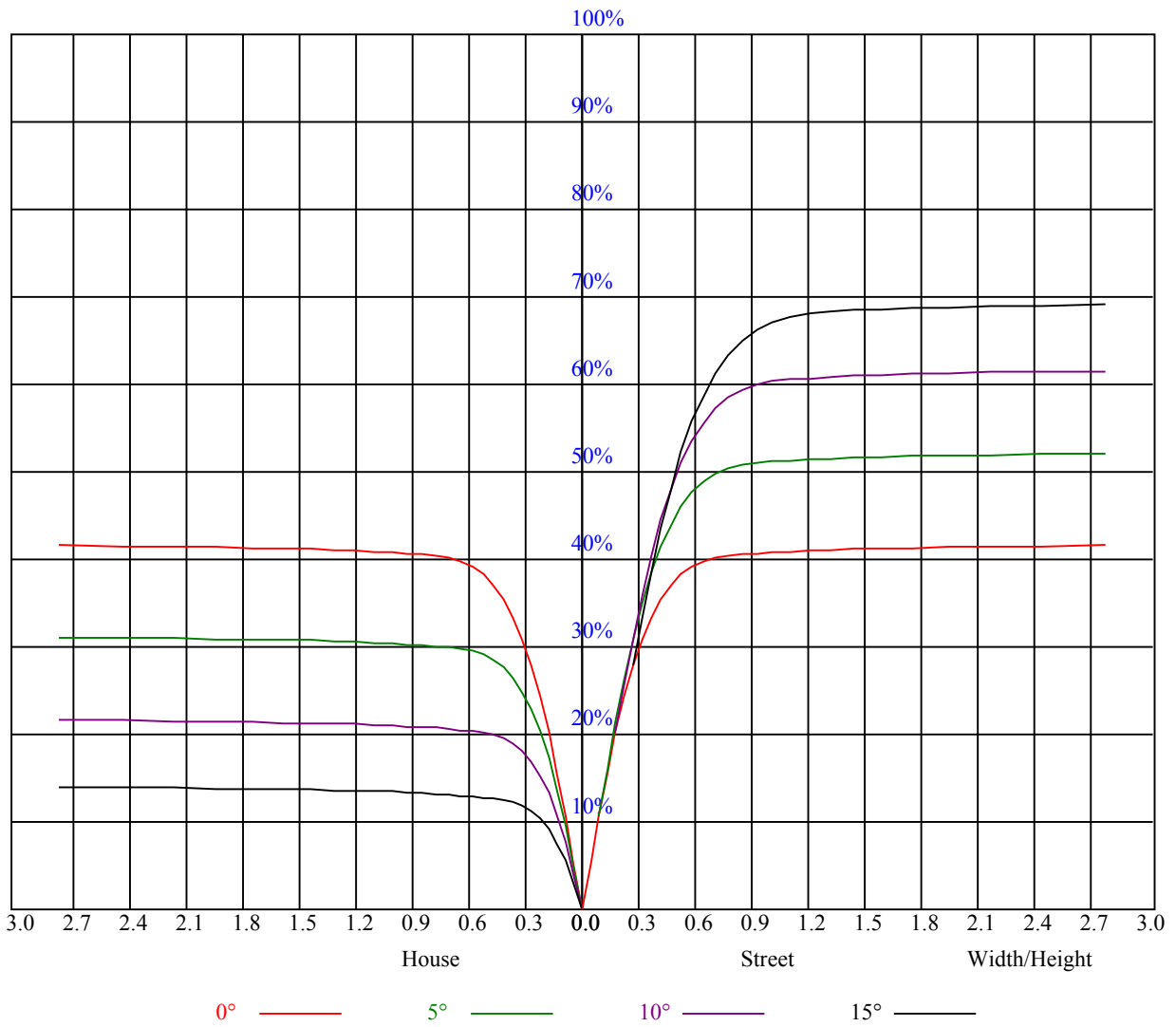


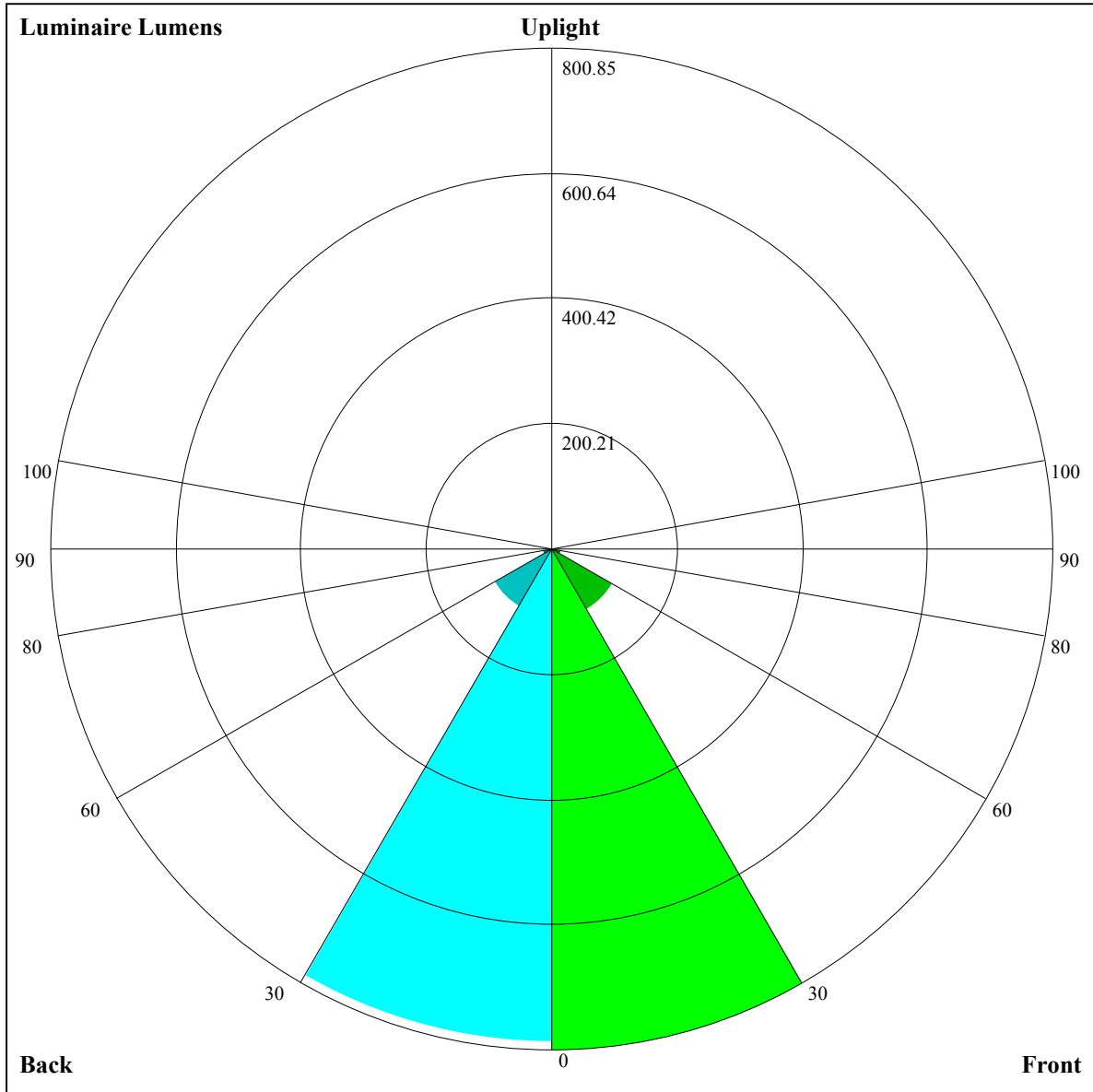
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOF=20 CU															
0	1.00	1.00	1.00	0.98	0.98	0.98	0.93	0.93	0.93	0.89	0.89	0.89	0.86	0.86	0.86	0.84
1	0.93	0.91	0.90	0.92	0.90	0.88	0.88	0.87	0.85	0.85	0.84	0.83	0.82	0.81	0.81	0.79
2	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.81	0.79	0.81	0.79	0.78	0.79	0.77	0.76	0.75
3	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.71
4	0.78	0.74	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.74	0.71	0.69	0.73	0.70	0.68	0.67
5	0.75	0.70	0.67	0.74	0.70	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
6	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.61
7	0.68	0.64	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.64	0.62	0.59	0.58
8	0.65	0.61	0.58	0.64	0.60	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.56
9	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.53	0.59	0.55	0.53	0.59	0.55	0.53	0.58	0.55	0.52	0.58	0.55	0.52	0.51





Luminaire Lumens:

FL=800.85,FM=110.78,FH=16.36,FVH=5.03

BL=789.49,BM=106.04,BH=16.02,BVH=4.92

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	4221.29	4203.14	4180.32	4137.60	4091.37	4008.85	3933.94	3845.57	3746.08
45.0	4207.24	4216.02	4210.75	4190.27	4144.04	4089.03	4022.90	3949.16	3843.23
90.0	4224.21	4212.51	4183.25	4146.96	4086.10	4026.41	3949.16	3842.65	3734.96
135.0	4207.83	4213.68	4200.80	4180.91	4138.77	4095.46	4026.99	3951.50	3861.37
180.0	4221.29	4220.12	4196.71	4169.20	4117.12	4076.74	4019.38	3918.73	3822.16
225.0	4207.24	4186.17	4146.38	4103.66	4060.93	3980.76	3898.24	3803.44	3686.98
270.0	4224.21	4210.75	4188.51	4151.06	4097.22	4046.89	3997.73	3927.50	3811.63
315.0	4207.83	4177.39	4145.21	4094.88	4042.21	3981.93	3892.98	3807.53	3702.19
360.0	4221.29	4203.14	4180.32	4137.60	4091.37	4008.85	3933.94	3845.57	3746.08
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3603.87	3475.71	3331.74	3145.64	2984.12	2786.31	2622.45	2450.98	2282.44
45.0	3738.48	3628.45	3495.61	3324.14	3168.47	3005.19	2844.84	2628.30	2459.17
90.0	3612.07	3440.60	3288.44	3129.84	2961.88	2739.50	2561.59	2393.04	2218.65
135.0	3729.70	3609.14	3471.03	3280.24	3119.89	2953.69	2783.39	2555.74	2375.49
180.0	3678.78	3542.43	3386.76	3226.99	3006.36	2833.13	2665.17	2481.41	2270.73
225.0	3520.77	3369.20	3208.85	3036.79	2825.52	2643.52	2469.71	2256.69	2082.87
270.0	3707.46	3590.41	3414.85	3263.86	3047.91	2878.20	2711.41	2486.09	2326.33
315.0	3554.13	3416.60	3273.22	3079.51	2917.99	2713.16	2545.79	2374.32	2201.67
360.0	3603.87	3475.71	3331.74	3145.64	2984.12	2786.31	2622.45	2450.98	2282.44
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2082.29	1920.77	1768.02	1622.30	1453.17	1161.09	1161.09	1109.53	986.40
45.0	2253.17	2092.82	1934.81	1745.20	1600.65	1468.39	1318.57	1207.96	1099.11
90.0	2015.57	1853.47	1705.40	1533.93	1406.94	1144.58	1144.58	1037.19	941.92
135.0	2192.90	2027.28	1830.06	1679.07	1537.44	1375.34	1258.88	1122.52	1014.84
180.0	2095.75	1921.94	1729.98	1580.75	1451.42	1301.60	1189.82	1052.29	958.07
225.0	1878.63	1725.89	1581.34	1449.08	1161.32	1161.32	1086.76	986.75	882.40
270.0	2155.44	1976.36	1783.24	1633.42	1497.65	1370.66	1230.79	1124.86	1022.45
315.0	1998.02	1835.32	1686.68	1544.47	1308.62	1164.25	1164.25	1065.40	950.00
360.0	2082.29	1920.77	1768.02	1622.30	1453.17	1161.09	1161.09	1109.53	986.40
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	904.11	816.56	748.15	661.66	548.88	460.63	374.08	272.83	196.87
45.0	999.62	910.08	821.71	750.32	664.29	552.51	465.90	379.87	297.35
90.0	845.18	774.72	688.34	600.09	487.08	400.24	319.83	241.87	158.13
135.0	920.62	836.93	736.27	652.58	558.36	471.75	368.75	312.57	312.57
180.0	876.73	806.50	712.28	618.06	525.59	438.98	334.81	315.49	315.49
225.0	815.45	744.29	658.26	540.40	452.26	364.60	263.23	189.44	114.53
270.0	910.67	836.35	771.39	666.63	580.02	464.73	377.53	296.18	296.18
315.0	873.33	807.79	705.49	620.10	504.35	416.74	332.58	253.46	166.03
360.0	904.11	816.56	748.15	661.66	548.88	460.63	374.08	272.83	196.87
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	135.60	92.17	73.91	67.48	61.74	57.35	52.61	49.33	45.82
45.0	297.35	133.72	84.80	74.50	67.89	60.98	56.71	53.14	49.74
90.0	106.39	82.52	73.15	66.54	60.16	55.95	52.26	49.16	45.59
135.0	157.89	101.07	82.81	72.51	65.78	60.22	54.72	50.97	47.87
180.0	119.80	77.89	68.88	61.57	56.59	52.49	48.28	45.41	42.90
225.0	78.89	66.19	60.45	54.37	50.39	47.29	44.42	41.43	39.27
270.0	205.24	92.00	71.87	65.08	58.23	53.96	50.33	46.41	43.72
315.0	110.02	79.82	70.46	62.97	58.17	54.19	49.98	47.05	44.48
360.0	135.60	92.17	73.91	67.48	61.74	57.35	52.61	49.33	45.82

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	43.31	41.08	38.68	37.04	35.64	34.29	33.07	31.66	30.67
45.0	46.23	43.66	41.43	38.92	37.16	35.64	33.83	32.66	31.31
90.0	43.07	40.85	38.86	36.81	35.29	33.94	32.54	31.49	30.31
135.0	44.36	41.90	39.85	37.92	35.99	34.65	33.42	32.30	30.96
180.0	40.79	38.39	36.69	35.17	33.94	32.54	31.54	30.55	29.26
225.0	37.45	35.46	34.12	33.01	31.72	30.78	29.79	28.68	27.86
270.0	41.38	38.86	37.04	35.46	33.77	32.60	31.60	30.55	29.38
315.0	41.49	39.56	37.75	35.87	34.53	33.30	32.07	31.02	29.96
360.0	43.31	41.08	38.68	37.04	35.64	34.29	33.07	31.66	30.67
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.67	28.50	27.45	26.28	25.11	23.64	22.36	21.24	20.13
45.0	30.20	29.14	28.21	27.04	25.75	24.52	23.29	22.24	20.78
90.0	29.14	28.03	26.51	25.34	24.11	23.00	21.89	20.37	19.43
135.0	29.96	28.85	27.39	26.34	25.16	23.64	22.59	21.59	20.25
180.0	28.27	27.27	25.81	24.87	23.64	22.36	21.48	20.42	19.20
225.0	26.98	25.57	24.70	23.70	22.41	21.30	20.25	19.25	18.49
270.0	28.44	27.51	26.51	25.40	24.11	22.94	21.65	20.66	19.66
315.0	29.09	27.80	26.63	25.57	24.46	23.00	22.00	20.66	19.66
360.0	29.67	28.50	27.45	26.28	25.11	23.64	22.36	21.24	20.13
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.31	18.26	17.38	16.85	16.97	18.38	19.96	20.54	19.84
45.0	19.72	18.84	17.79	16.97	16.21	15.57	14.92	14.34	13.81
90.0	18.61	17.73	16.80	16.15	15.57	14.75	14.28	13.75	13.40
135.0	19.37	18.55	17.67	16.85	16.21	15.57	15.04	14.92	15.16
180.0	18.49	17.62	16.85	16.56	17.15	18.38	19.61	19.25	18.79
225.0	17.44	16.56	15.86	15.27	14.57	13.87	13.46	12.99	12.47
270.0	18.61	17.79	16.91	16.04	15.51	14.81	14.22	13.64	13.17
315.0	18.84	17.73	16.91	16.33	15.74	14.86	14.46	14.34	14.40
360.0	19.31	18.26	17.38	16.85	16.97	18.38	19.96	20.54	19.84
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	21.01	20.66	19.78	20.13	17.91	18.14	16.91	16.09	15.10
45.0	13.28	12.76	12.35	11.88	11.53	11.18	10.89	10.59	10.36
90.0	13.40	13.64	13.69	13.81	14.16	13.93	13.52	12.70	11.41
135.0	16.04	16.62	16.97	17.15	17.21	17.15	16.50	15.22	13.87
180.0	20.25	18.38	17.56	17.21	16.21	15.51	15.74	14.46	13.52
225.0	11.94	11.59	11.24	10.89	10.53	10.30	10.12	9.83	9.60
270.0	12.70	12.35	12.06	12.11	12.17	12.17	11.88	11.35	10.94
315.0	14.51	14.98	14.75	14.86	14.75	14.75	14.46	14.10	13.64
360.0	21.01	20.66	19.78	20.13	17.91	18.14	16.91	16.09	15.10
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.10	11.00	9.60	9.25	9.01	8.66	8.25	8.13	8.31
45.0	10.07	9.89	9.54	9.31	9.01	8.84	8.43	8.13	8.02
90.0	9.71	9.36	9.13	8.95	8.72	8.37	8.13	8.08	7.90
135.0	12.23	10.24	9.54	9.19	8.90	8.43	8.25	8.02	7.90
180.0	11.82	9.66	9.25	8.90	8.54	8.31	8.19	8.25	7.90
225.0	9.42	9.19	8.95	8.66	8.31	8.19	8.08	8.02	7.96
270.0	10.18	9.54	9.19	8.90	8.66	8.43	8.19	8.08	8.02
315.0	12.23	10.77	9.48	9.07	8.78	8.37	8.19	8.08	7.84
360.0	14.10	11.00	9.60	9.25	9.01	8.66	8.25	8.13	8.31

Intensity data(cd)

C/γ(°)	90.0
0.0	7.96
45.0	7.90
90.0	8.25
135.0	8.02
180.0	8.02
225.0	7.96
270.0	7.96
315.0	7.96
360.0	7.96