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NT

Client:

LumCAT: 1-1298-L

Luminaire: 92.70.427.00

Report No: 2024723-B028

Ballast type: AC

Test No: 2024723-C028

Voltage(V): 36.190

LampCAT: P2121-018-1203-P3090-1

Current(A): 0.360

Lamp flux(lm): 2015.0

Power (W): 13.028

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1826.20, Efficiency(%): 90.63% , Luminous Efficacy(lm/W): 140.17

Central intensity(cd): 8090.795, Maximum intensity(cd): 8090.795

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=19.0

[C90/270]Total=19.0

Field angle(10%Imax): [C0/180]Total=52.2

[C90/270]Total=52.2

Maximum s/h(1/2): C0_180=0.32 C90_270=0.32

Maximum s/h(1/4): C0_180=0.38 C90_270=0.38

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 90.63%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.587%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/23
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	8090.794	0.000	0	0.00%	0.00%
1.0	8020.201	7.709	7.709	0.38%	0.42%
2.0	7820.493	22.736	30.445	1.13%	1.67%
3.0	7491.377	36.621	67.066	1.82%	3.67%
4.0	7073.454	48.753	115.819	2.42%	6.34%
5.0	6580.840	58.740	174.559	2.92%	9.56%
6.0	6003.077	66.132	240.691	3.28%	13.18%
7.0	5406.367	70.818	311.509	3.51%	17.06%
8.0	4839.869	73.330	384.839	3.64%	21.07%
9.0	4307.753	74.137	458.976	3.68%	25.13%
10.0	3818.652	73.541	532.517	3.65%	29.16%
11.0	3408.263	72.212	604.729	3.58%	33.11%
12.0	3050.690	70.606	675.334	3.50%	36.98%
13.0	2750.616	68.847	744.181	3.42%	40.75%
14.0	2492.824	67.116	811.297	3.33%	44.43%
15.0	2269.415	65.378	876.675	3.24%	48.01%
16.0	2070.877	63.597	940.272	3.16%	51.49%
17.0	1881.411	61.548	1001.82	3.05%	54.86%
18.0	1721.717	59.408	1061.228	2.95%	58.11%
19.0	1564.848	57.180	1118.407	2.84%	61.24%
20.0	1421.255	54.654	1173.061	2.71%	64.24%
21.0	1297.341	52.203	1225.264	2.59%	67.09%
22.0	1187.348	49.931	1275.195	2.48%	69.83%
23.0	1094.049	47.870	1323.065	2.38%	72.45%
24.0	991.773	45.604	1368.668	2.26%	74.95%
25.0	901.151	43.041	1411.709	2.14%	77.30%
26.0	813.938	40.485	1452.194	2.01%	79.52%
27.0	729.578	37.762	1489.957	1.87%	81.59%
28.0	651.502	34.966	1524.923	1.74%	83.50%
29.0	572.211	32.016	1556.938	1.59%	85.26%
30.0	498.158	28.900	1585.838	1.43%	86.84%
31.0	418.846	25.519	1611.357	1.27%	88.24%
32.0	354.207	22.147	1633.504	1.10%	89.45%
33.0	294.229	19.103	1652.607	0.95%	90.49%
34.0	232.817	15.950	1668.557	0.79%	91.37%
35.0	188.881	13.096	1681.654	0.65%	92.09%
36.0	162.202	11.179	1692.832	0.55%	92.70%
37.0	111.902	8.940	1701.772	0.44%	93.19%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	94.177	6.879	1708.651	0.34%	93.56%
39.0	81.632	6.001	1714.651	0.30%	93.89%
40.0	73.058	5.395	1720.047	0.27%	94.19%
41.0	65.867	4.947	1724.994	0.25%	94.46%
42.0	59.890	4.569	1729.563	0.23%	94.71%
43.0	54.740	4.246	1733.809	0.21%	94.94%
44.0	50.154	3.959	1737.768	0.20%	95.16%
45.0	46.050	3.697	1741.465	0.18%	95.36%
46.0	42.846	3.477	1744.942	0.17%	95.55%
47.0	39.868	3.290	1748.231	0.16%	95.73%
48.0	37.315	3.120	1751.351	0.15%	95.90%
49.0	35.106	2.974	1754.326	0.15%	96.06%
50.0	33.190	2.847	1757.173	0.14%	96.22%
51.0	31.595	2.741	1759.914	0.14%	96.37%
52.0	30.220	2.653	1762.566	0.13%	96.52%
53.0	29.115	2.581	1765.147	0.13%	96.66%
54.0	28.127	2.523	1767.67	0.13%	96.80%
55.0	27.352	2.477	1770.147	0.12%	96.93%
56.0	26.781	2.446	1772.593	0.12%	97.06%
57.0	26.174	2.421	1775.014	0.12%	97.20%
58.0	25.596	2.394	1777.408	0.12%	97.33%
59.0	25.106	2.370	1779.779	0.12%	97.46%
60.0	24.550	2.346	1782.125	0.12%	97.59%
61.0	23.716	2.303	1784.428	0.11%	97.71%
62.0	22.955	2.249	1786.677	0.11%	97.84%
63.0	22.092	2.191	1788.868	0.11%	97.96%
64.0	21.068	2.118	1790.986	0.11%	98.07%
65.0	20.132	2.039	1793.025	0.10%	98.18%
66.0	19.166	1.961	1794.985	0.10%	98.29%
67.0	18.318	1.885	1796.87	0.09%	98.39%
68.0	17.425	1.811	1798.681	0.09%	98.49%
69.0	16.672	1.739	1800.42	0.09%	98.59%
70.0	15.977	1.677	1802.097	0.08%	98.68%
71.0	15.274	1.615	1803.712	0.08%	98.77%
72.0	14.616	1.554	1805.266	0.08%	98.85%
73.0	14.016	1.497	1806.764	0.07%	98.94%
74.0	13.482	1.446	1808.209	0.07%	99.02%
75.0	13.021	1.400	1809.61	0.07%	99.09%

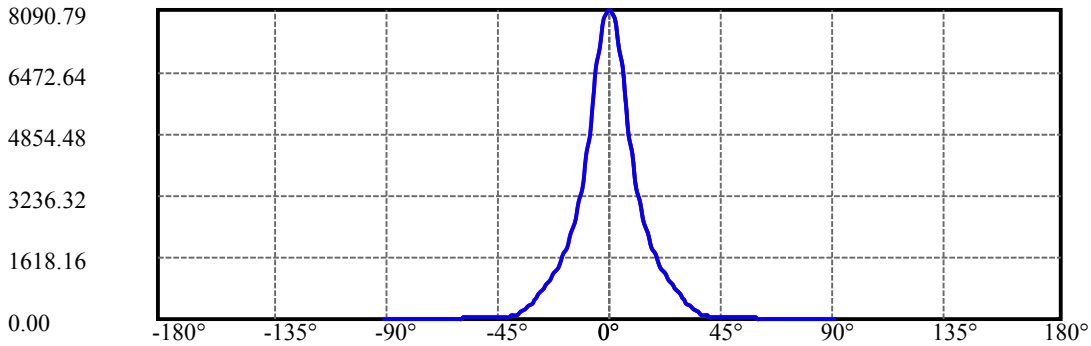
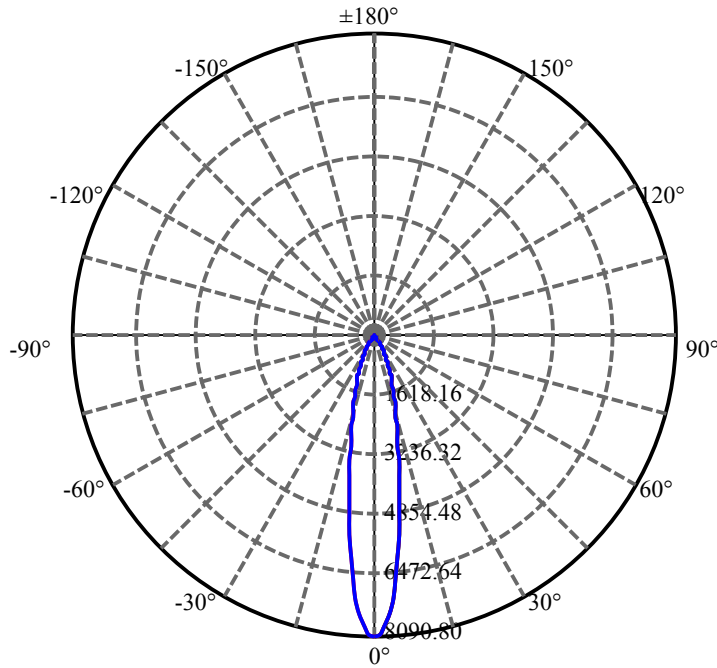
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.582	1.359	1810.969	0.07%	99.17%
77.0	12.173	1.320	1812.289	0.07%	99.24%
78.0	11.748	1.281	1813.569	0.06%	99.31%
79.0	11.368	1.242	1814.811	0.06%	99.38%
80.0	11.010	1.206	1816.018	0.06%	99.44%
81.0	10.673	1.173	1817.19	0.06%	99.51%
82.0	10.351	1.140	1818.33	0.06%	99.57%
83.0	10.037	1.108	1819.439	0.06%	99.63%
84.0	9.722	1.076	1820.515	0.05%	99.69%
85.0	9.378	1.042	1821.557	0.05%	99.75%
86.0	8.881	0.998	1822.556	0.05%	99.80%
87.0	8.522	0.952	1823.508	0.05%	99.85%
88.0	8.222	0.917	1824.425	0.05%	99.90%
89.0	8.061	0.893	1825.318	0.04%	99.95%
90.0	7.952	0.878	1826.196	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1585.84	78.70%	86.84%
0-40	1720.05	85.36%	94.19%
0-60	1782.12	88.44%	97.59%
0-90	1825.32	90.59%	99.95%
0-120	1825.32	90.59%	99.95%
0-180	1826.20	90.63%	100.00%
60-90	43.19	2.14%	2.37%
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%
0-26.23	1460.96	72.50%	80.00%

ZONAL LUMEN SUMMARY

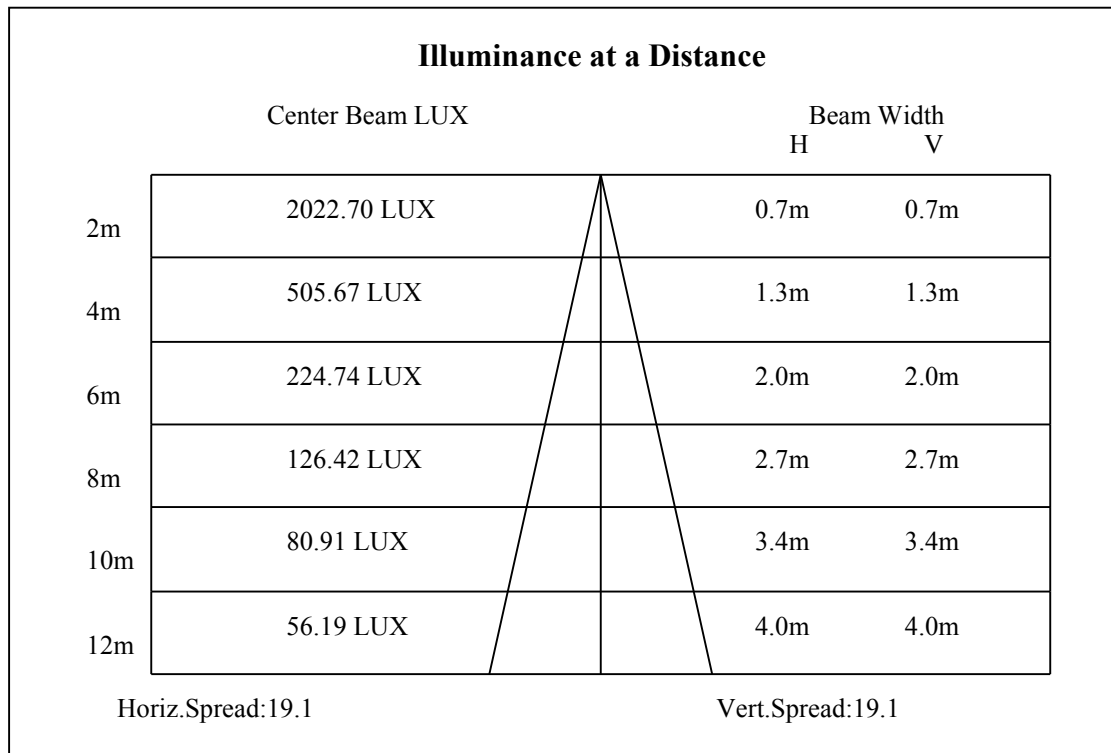
0-10	532.52
10-20	640.54
20-30	412.78
30-40	134.21
40-50	37.13
50-60	24.95
60-70	19.97
70-80	13.92
80-90	9.30
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

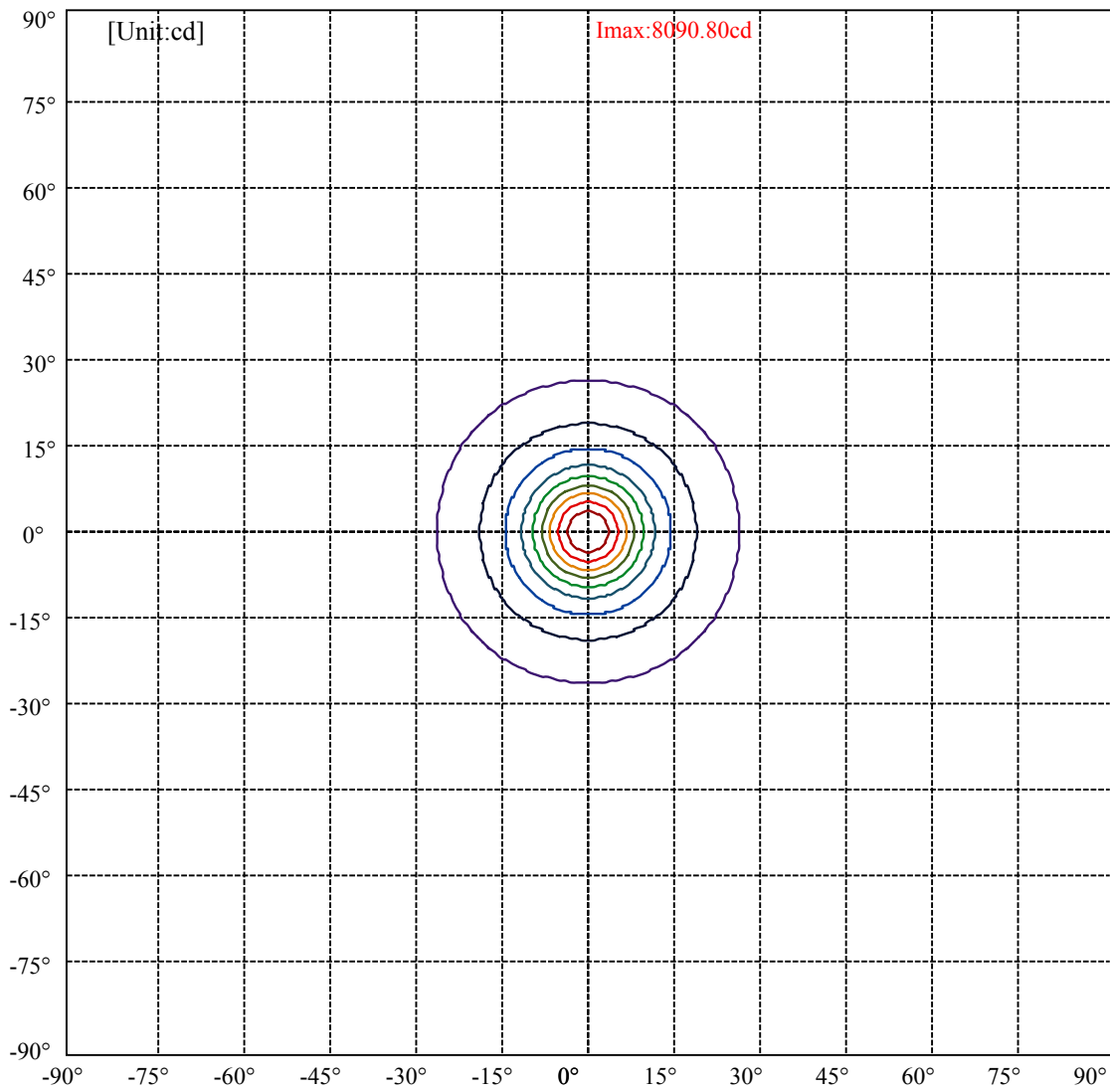


C0(Max): —————
C0/C180: —————
C90/C270: —————

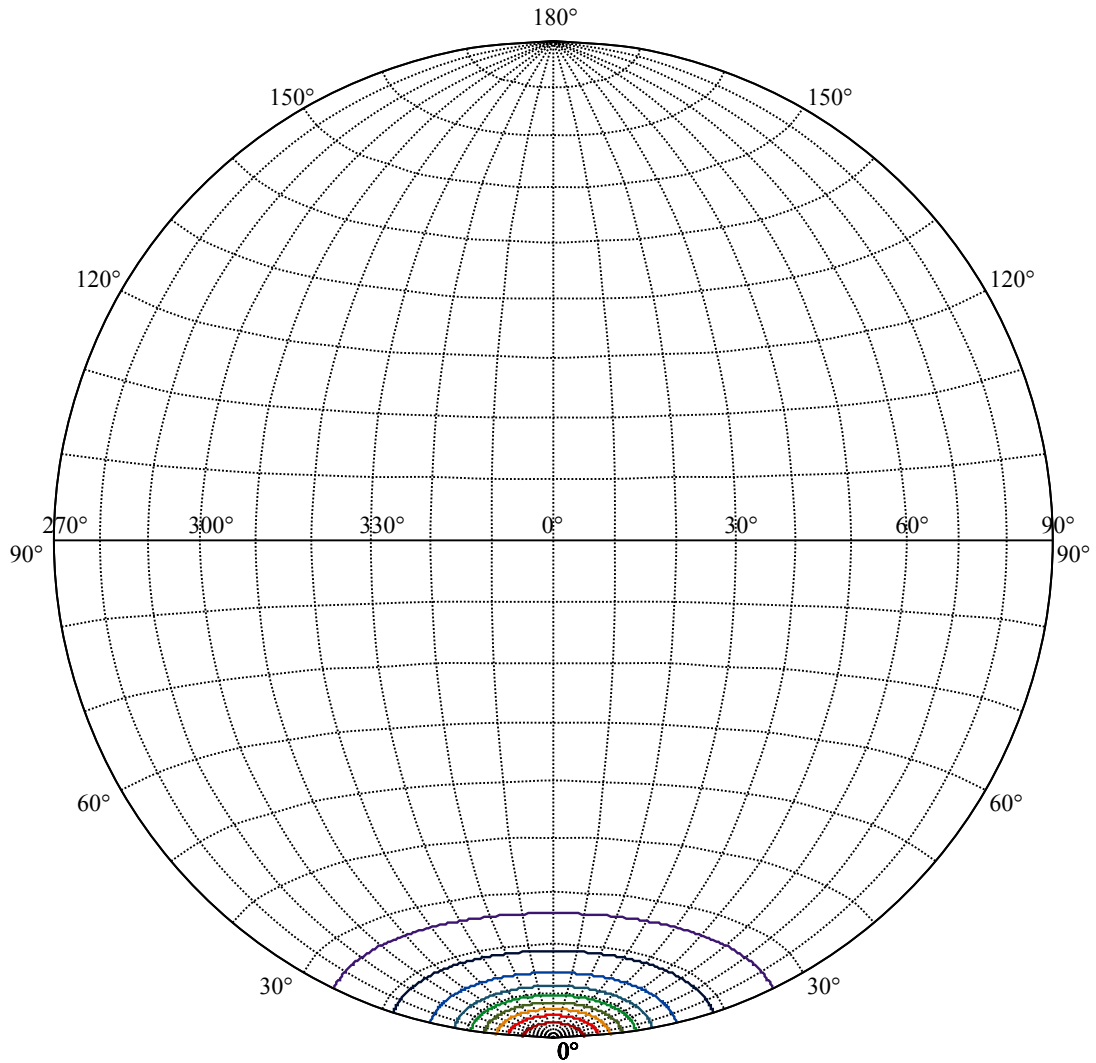
Field angle(10%Imax):C0/180Left:26.1 Right:26.1
:C90/270Left:26.1 Right:26.1

Beam Angle(50%Imax):C0/180Left:9.5 Right:9.5
:C90/270Left:9.5 Right:9.5





(10%Imax) 809.079	—
(20%Imax) 1618.16	—
(30%Imax) 2427.24	—
(40%Imax) 3236.32	—
(50%Imax) 4045.4	—
(60%Imax) 4854.48	—
(70%Imax) 5663.56	—
(80%Imax) 6472.64	—
(90%Imax) 7281.72	—



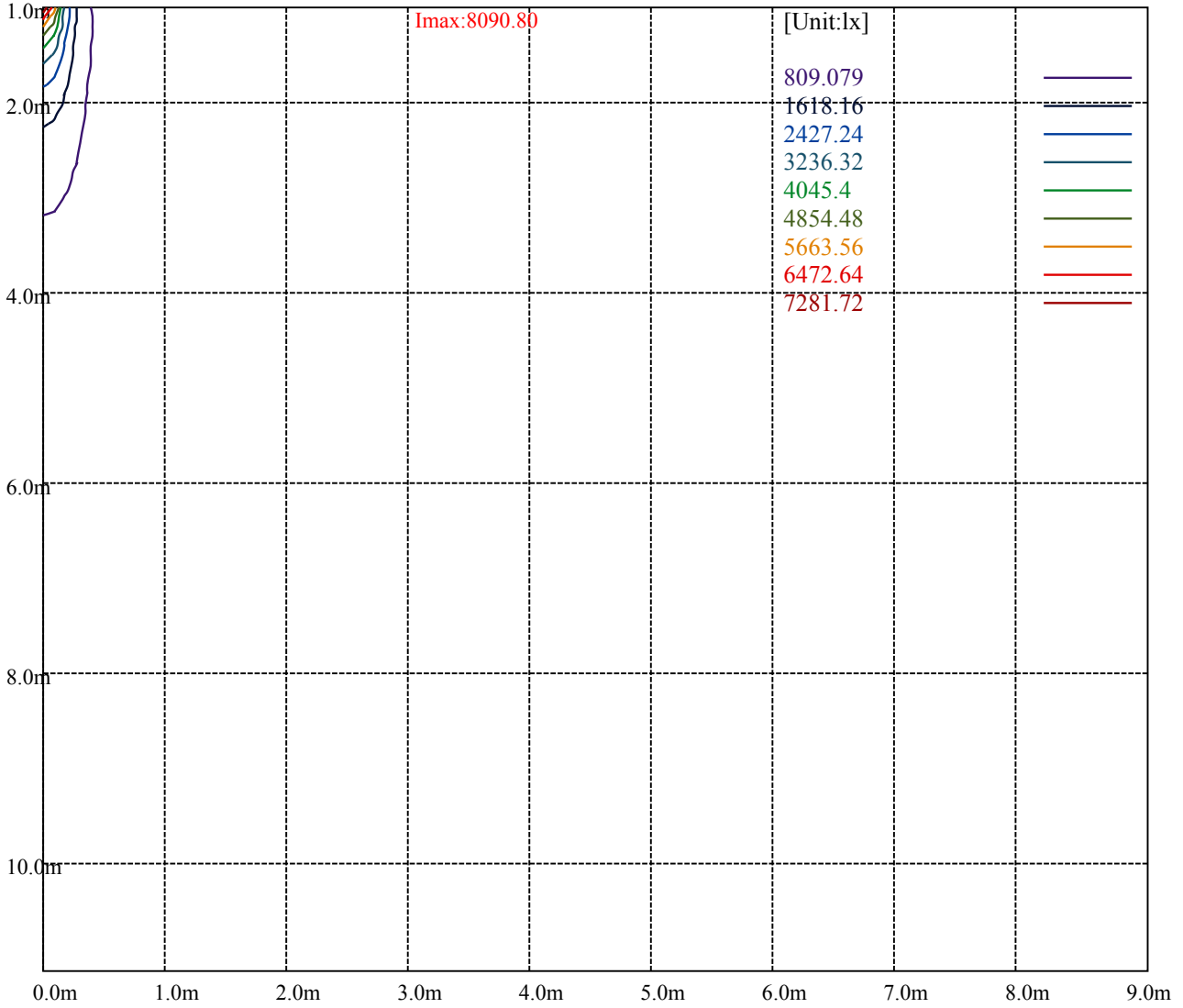
House

[Unit:cd]

Road

Imax:8090.80

(10%Imax)	809.079	—
(20%Imax)	1618.16	—
(30%Imax)	2427.24	—
(40%Imax)	3236.32	—
(50%Imax)	4045.4	—
(60%Imax)	4854.48	—
(70%Imax)	5663.56	—
(80%Imax)	6472.64	—
(90%Imax)	7281.72	—



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

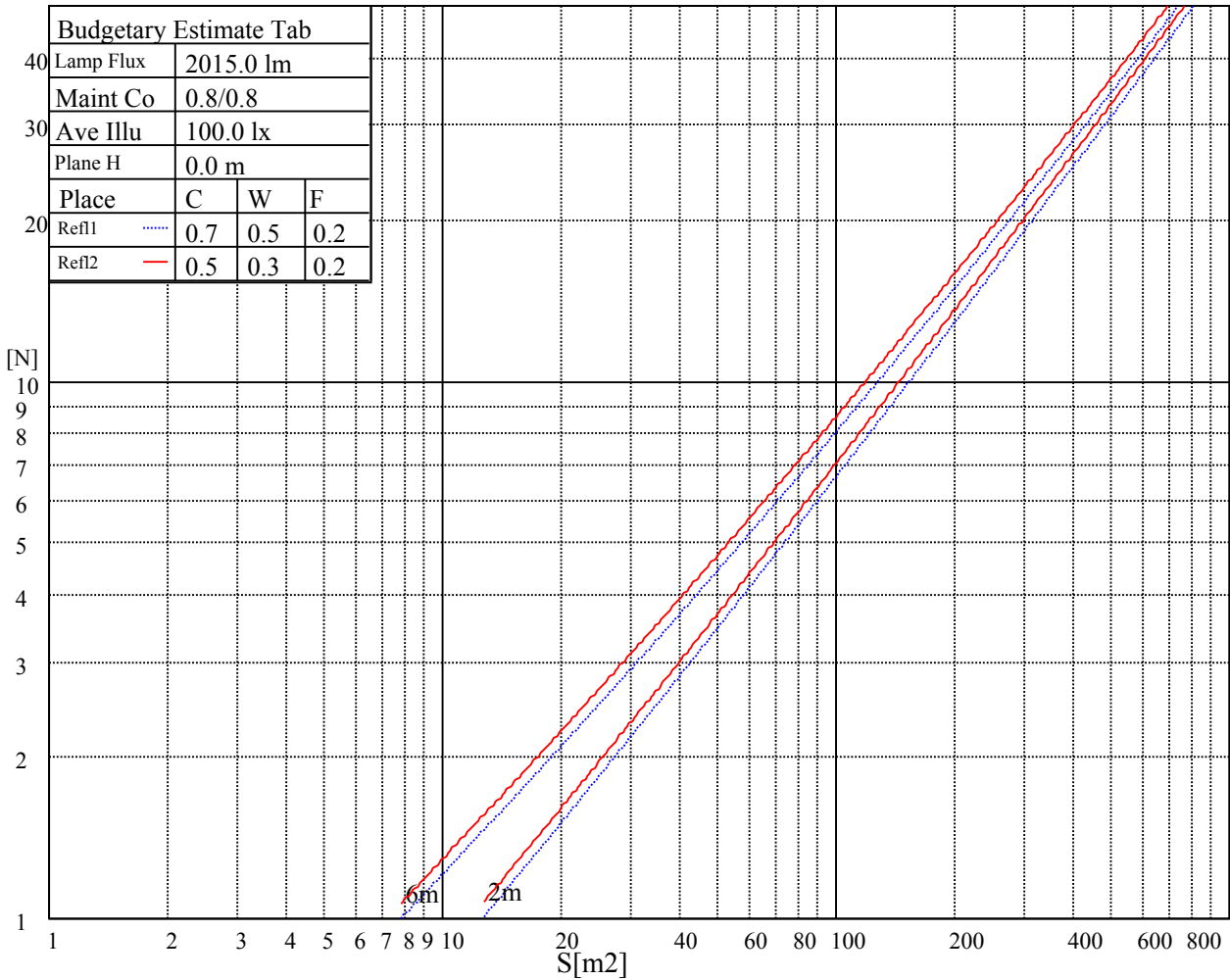
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

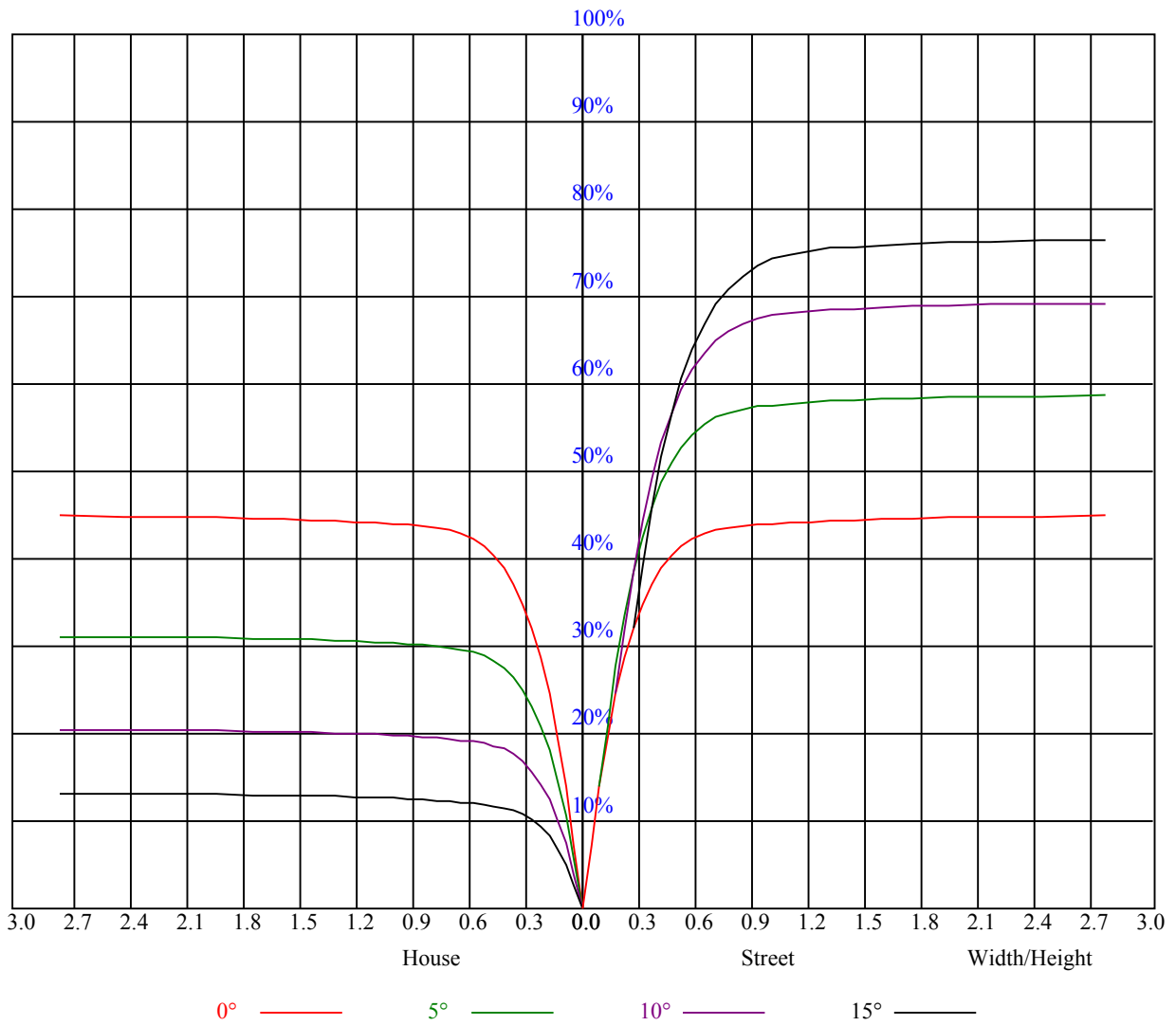


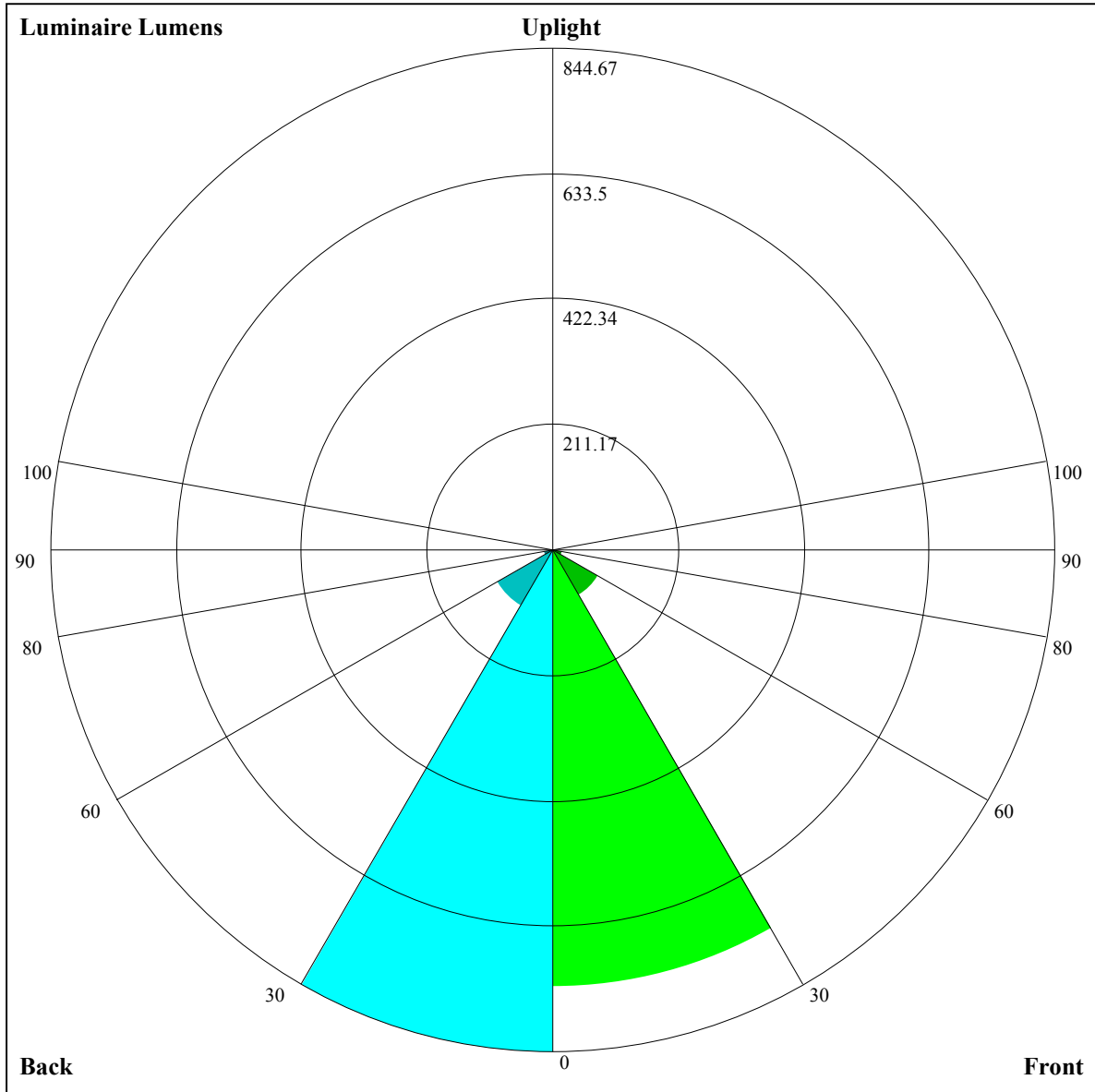
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.08	1.08	1.08	1.05	1.05	1.05	1.01	1.01	1.01	0.96	0.96	0.96	0.92	0.92	0.92	0.91
1	1.01	0.99	0.97	0.99	0.97	0.96	0.96	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
2	0.95	0.92	0.90	0.94	0.91	0.89	0.91	0.89	0.87	0.88	0.86	0.85	0.86	0.84	0.83	0.82
3	0.90	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.82	0.80	0.83	0.81	0.79	0.78
4	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.78	0.76	0.74
5	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.77	0.75	0.72	0.71
6	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.68
7	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.66
8	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.64
9	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.68	0.65	0.62	0.61
10	0.68	0.64	0.61	0.67	0.63	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.66	0.62	0.60	0.59





Luminaire Lumens:

FL=736.49,FM=89.49,FH=16.45,FVH=5.01

BL=844.67,BM=108.2,BH=17.44,BVH=5.17

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	8065.04	7662.99	7234.02	6752.97	6071.18	5503.51	4957.50	4438.99	3966.13
45.0	8153.41	8146.39	8024.08	7679.97	7290.21	6809.74	6263.72	5564.96	5000.22
90.0	8227.15	8302.06	8198.48	7984.28	7610.91	7015.15	6462.70	5721.22	5137.16
135.0	7917.57	8223.64	8429.64	8482.89	8381.65	8108.94	7579.31	7073.67	6349.16
180.0	8065.04	8274.55	8331.91	8245.88	7980.19	7607.40	7132.20	6431.68	5813.68
225.0	8153.41	7997.74	7710.98	7217.64	6736.00	6191.74	5469.57	4900.73	4385.73
270.0	8227.15	8037.54	7728.54	7195.99	6710.25	6161.89	5591.30	5031.24	4409.73
315.0	7917.57	7516.69	6906.30	6371.40	5807.25	5248.36	4568.32	4088.44	3657.13
360.0	8065.04	7662.99	7234.02	6752.97	6071.18	5503.51	4957.50	4438.99	3966.13
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3470.44	3149.15	2799.77	2557.49	2344.47	2109.79	1946.52	1792.60	1622.30
45.0	4478.20	3994.22	3478.64	3135.11	2857.13	2599.04	2328.67	2128.52	1908.48
90.0	4568.91	3949.74	3524.28	3173.73	2882.88	2633.57	2364.95	2164.81	1982.22
135.0	5716.54	5109.66	4537.89	3903.51	3483.32	3145.06	2851.27	2543.45	2334.52
180.0	5079.81	4530.29	4021.72	3589.83	3152.08	2861.22	2610.16	2405.92	2153.10
225.0	3912.29	3427.72	3101.75	2825.52	2580.32	2319.89	2135.54	1967.00	1780.90
270.0	3933.36	3453.47	3122.82	2827.28	2517.11	2297.65	2099.85	1891.51	1729.40
315.0	3302.48	2934.96	2679.22	2393.04	2187.63	1976.36	1818.35	1673.22	1540.37
360.0	3470.44	3149.15	2799.77	2557.49	2344.47	2109.79	1946.52	1792.60	1622.30
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1499.99	1299.84	1155.94	1128.96	1024.03	929.16	852.73	780.81	686.47
45.0	1763.93	1632.25	1477.17	1367.73	1253.61	1149.44	1023.03	928.23	850.98
90.0	1827.72	1665.02	1526.33	1291.65	1150.84	1150.84	1025.84	936.83	862.04
135.0	2144.32	1976.36	1787.34	1645.71	1480.09	1359.54	1247.76	1109.06	1013.67
180.0	1990.99	1834.15	1661.51	1530.42	1401.09	1255.95	1147.10	1046.44	935.25
225.0	1643.37	1480.68	1282.29	1147.92	1147.92	1029.00	938.29	862.15	786.02
270.0	1592.46	1463.71	1312.72	1200.35	1095.01	999.04	888.43	810.01	738.61
315.0	1310.96	1166.76	1166.76	1065.99	946.19	879.42	811.00	735.69	638.48
360.0	1499.99	1299.84	1155.94	1128.96	1024.03	929.16	852.73	780.81	686.47
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	609.69	517.10	451.21	383.32	305.19	247.78	193.30	137.47	106.16
45.0	785.43	690.04	614.54	546.66	462.39	389.82	323.10	306.72	234.62
90.0	771.50	694.55	624.73	553.92	462.62	391.63	325.85	263.00	195.47
135.0	915.94	839.86	740.95	661.95	588.79	518.57	433.13	367.58	304.96
180.0	856.24	781.92	705.84	611.03	540.81	468.24	382.80	316.08	300.86
225.0	689.69	616.59	542.85	467.54	372.55	305.14	231.34	183.64	142.50
270.0	646.73	579.43	491.65	420.25	354.12	305.55	305.55	167.73	131.38
315.0	561.41	492.53	405.91	340.60	264.29	206.94	158.77	120.32	95.10
360.0	609.69	517.10	451.21	383.32	305.19	247.78	193.30	137.47	106.16
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	88.72	80.00	71.51	65.25	59.93	55.36	50.68	47.34	44.30
45.0	147.36	109.79	92.99	84.10	76.72	68.35	62.33	57.47	53.26
90.0	153.50	123.48	101.71	92.29	82.93	76.02	69.29	63.26	57.59
135.0	304.96	177.15	136.01	104.70	90.83	79.94	71.87	64.90	58.76
180.0	300.86	142.21	114.65	95.04	84.62	76.08	68.88	61.39	56.53
225.0	108.56	93.87	84.10	75.08	64.96	58.52	53.26	48.75	44.13
270.0	107.68	90.59	81.70	74.09	67.01	59.63	54.78	50.27	45.24
315.0	85.97	78.13	70.75	62.50	57.47	53.02	48.05	44.54	41.43
360.0	88.72	80.00	71.51	65.25	59.93	55.36	50.68	47.34	44.30

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	40.85	38.51	35.99	34.35	32.83	31.43	30.02	29.09	28.50
45.0	48.46	44.95	41.67	38.27	35.76	33.77	31.89	30.49	29.09
90.0	53.14	49.63	46.12	42.37	39.97	37.57	35.58	33.30	31.89
135.0	52.79	48.40	44.71	41.32	37.63	35.17	32.89	31.08	29.38
180.0	52.38	48.92	44.89	42.25	39.85	37.16	35.46	33.88	32.19
225.0	40.91	38.27	35.46	33.59	31.89	30.14	28.79	27.56	26.98
270.0	41.84	38.33	36.23	34.59	32.60	31.25	30.02	29.26	28.50
315.0	38.04	35.76	33.88	31.78	30.31	29.03	28.09	27.10	26.39
360.0	40.85	38.51	35.99	34.35	32.83	31.43	30.02	29.09	28.50
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.68	26.92	26.69	26.22	25.75	25.16	24.64	23.29	22.36
45.0	27.97	27.15	26.28	25.40	25.11	24.93	24.40	23.64	23.12
90.0	30.49	29.61	28.79	27.62	26.86	26.28	25.63	24.70	24.17
135.0	28.09	26.69	25.93	25.28	24.46	23.99	23.76	23.58	23.23
180.0	30.96	30.26	29.26	28.44	27.68	27.04	26.69	26.28	25.75
225.0	26.34	25.87	25.46	25.28	24.87	24.46	24.11	23.64	22.71
270.0	27.68	26.98	26.74	26.51	25.81	25.22	24.23	22.94	21.59
315.0	25.81	25.34	25.11	24.64	24.23	23.76	22.94	21.65	20.72
360.0	27.68	26.92	26.69	26.22	25.75	25.16	24.64	23.29	22.36
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.30	20.07	19.02	18.08	17.38	16.33	15.74	15.10	14.34
45.0	22.36	21.01	20.07	19.25	18.08	17.32	16.68	15.86	15.22
90.0	23.17	22.12	20.95	19.96	19.02	17.91	17.21	16.50	15.57
135.0	22.71	22.36	21.65	20.60	19.84	18.79	17.73	17.03	16.27
180.0	24.99	24.17	23.17	22.30	21.07	19.96	18.79	17.91	17.09
225.0	21.71	20.66	19.78	18.73	18.08	17.38	16.56	15.86	15.22
270.0	20.72	19.72	18.79	17.56	17.03	16.50	15.98	15.33	14.75
315.0	19.78	18.43	17.62	16.85	16.04	15.22	14.69	14.22	13.75
360.0	21.30	20.07	19.02	18.08	17.38	16.33	15.74	15.10	14.34
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.87	13.40	12.93	12.58	12.17	11.88	11.47	11.18	10.83
45.0	14.63	14.16	13.52	13.05	12.64	12.23	11.76	11.41	11.06
90.0	14.92	14.22	13.81	13.40	12.99	12.52	12.06	11.70	11.35
135.0	15.45	14.86	14.40	13.81	13.40	12.99	12.58	12.11	11.76
180.0	16.09	15.33	14.69	14.16	13.58	13.11	12.70	12.29	11.82
225.0	14.69	13.81	13.23	12.76	12.35	11.82	11.47	11.06	10.65
270.0	14.05	13.52	12.93	12.52	12.00	11.65	11.24	10.77	10.48
315.0	13.23	12.82	12.35	11.88	11.53	11.18	10.71	10.42	10.12
360.0	13.87	13.40	12.93	12.58	12.17	11.88	11.47	11.18	10.83
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.59	10.36	10.12	9.83	9.60	8.95	8.78	7.90	7.84
45.0	10.65	10.30	9.95	9.66	9.36	8.95	8.43	8.19	8.02
90.0	10.94	10.53	10.12	9.77	9.54	8.90	8.54	8.31	8.13
135.0	11.35	10.94	10.59	10.24	9.89	9.54	8.95	8.66	8.49
180.0	11.47	11.12	10.77	10.36	10.01	9.42	9.01	8.72	8.43
225.0	10.36	10.01	9.77	9.48	8.90	8.49	8.25	8.08	7.84
270.0	10.12	9.89	9.60	9.31	9.07	8.54	8.19	7.96	7.84
315.0	9.89	9.66	9.36	9.13	8.66	8.25	8.02	7.96	7.90
360.0	10.59	10.36	10.12	9.83	9.60	8.95	8.78	7.90	7.84

Intensity data(cd)

C/γ(°)	90.0
0.0	7.78
45.0	7.78
90.0	8.02
135.0	8.25
180.0	8.19
225.0	7.84
270.0	7.84
315.0	7.90
360.0	7.78