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NT

Client:

LumCAT: 1-1306-L

Luminaire: 92.70.427.00

Report No: 2024722-B020

Ballast type: AC

Test No: 2024722-C020

Voltage(V): 33.960

LampCAT: LUMINUS CXM-9-AC40

Current(A): 0.360

Lamp flux(lm): 1687.0

Power (W): 12.225

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1534.95, Efficiency(%): 90.99% , Luminous Efficacy(lm/W): 125.56

Central intensity(cd): 2316.379, Maximum intensity(cd): 2316.379

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=51.2

[C90/270]Total=51.2

Field angle(10%Imax): [C0/180]Total=70.4

[C90/270]Total=70.4

Maximum s/h(1/2): C0_180=0.81 C90_270=0.81

Maximum s/h(1/4): C0_180=0.77 C90_270=0.77

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 90.99%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.963%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/22
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	2316.379	0.000	0	0.00%	0.00%
1.0	2314.111	2.216	2.216	0.13%	0.14%
2.0	2307.454	6.633	8.849	0.39%	0.58%
3.0	2304.894	11.031	19.88	0.65%	1.30%
4.0	2294.506	15.396	35.276	0.91%	2.30%
5.0	2280.827	19.683	54.959	1.17%	3.58%
6.0	2264.221	23.885	78.844	1.42%	5.14%
7.0	2246.079	27.995	106.839	1.66%	6.96%
8.0	2216.452	31.937	138.777	1.89%	9.04%
9.0	2188.068	35.696	174.473	2.12%	11.37%
10.0	2155.369	39.307	213.78	2.33%	13.93%
11.0	2119.743	42.717	256.497	2.53%	16.71%
12.0	2078.705	45.895	302.392	2.72%	19.70%
13.0	2030.570	48.767	351.159	2.89%	22.88%
14.0	1981.484	51.354	402.513	3.04%	26.22%
15.0	1928.960	53.684	456.197	3.18%	29.72%
16.0	1874.973	55.738	511.935	3.30%	33.35%
17.0	1818.060	57.510	569.446	3.41%	37.10%
18.0	1756.392	58.935	628.381	3.49%	40.94%
19.0	1691.359	59.984	688.364	3.56%	44.85%
20.0	1619.522	60.598	748.963	3.59%	48.79%
21.0	1545.272	60.770	809.733	3.60%	52.75%
22.0	1468.095	60.555	870.288	3.59%	56.70%
23.0	1365.249	59.451	929.739	3.52%	60.57%
24.0	1257.436	57.341	987.081	3.40%	64.31%
25.0	1208.124	56.061	1043.142	3.32%	67.96%
26.0	1123.610	55.041	1098.183	3.26%	71.55%
27.0	1022.761	52.511	1150.694	3.11%	74.97%
28.0	916.609	49.101	1199.795	2.91%	78.17%
29.0	800.858	44.934	1244.729	2.66%	81.09%
30.0	679.205	39.961	1284.69	2.37%	83.70%
31.0	573.828	34.870	1319.56	2.07%	85.97%
32.0	469.065	29.878	1349.438	1.77%	87.91%
33.0	377.924	24.953	1374.391	1.48%	89.54%
34.0	293.549	20.321	1394.711	1.20%	90.86%
35.0	238.889	16.536	1411.247	0.98%	91.94%
36.0	206.884	14.194	1425.44	0.84%	92.87%
37.0	125.245	10.832	1436.273	0.64%	93.57%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	98.376	7.464	1443.737	0.44%	94.06%
39.0	81.741	6.148	1449.885	0.36%	94.46%
40.0	69.934	5.290	1455.175	0.31%	94.80%
41.0	60.812	4.656	1459.83	0.28%	95.11%
42.0	53.446	4.151	1463.982	0.25%	95.38%
43.0	47.550	3.741	1467.723	0.22%	95.62%
44.0	42.663	3.405	1471.128	0.20%	95.84%
45.0	38.325	3.112	1474.24	0.18%	96.04%
46.0	34.653	2.854	1477.094	0.17%	96.23%
47.0	31.661	2.637	1479.732	0.16%	96.40%
48.0	29.130	2.457	1482.189	0.15%	96.56%
49.0	26.986	2.304	1484.493	0.14%	96.71%
50.0	25.157	2.174	1486.668	0.13%	96.85%
51.0	23.468	2.057	1488.725	0.12%	96.99%
52.0	22.041	1.953	1490.678	0.12%	97.12%
53.0	20.805	1.864	1492.541	0.11%	97.24%
54.0	19.649	1.783	1494.324	0.11%	97.35%
55.0	18.566	1.706	1496.03	0.10%	97.46%
56.0	17.688	1.638	1497.669	0.10%	97.57%
57.0	16.869	1.580	1499.249	0.09%	97.67%
58.0	16.145	1.527	1500.775	0.09%	97.77%
59.0	15.457	1.477	1502.253	0.09%	97.87%
60.0	14.901	1.434	1503.687	0.09%	97.96%
61.0	14.382	1.397	1505.084	0.08%	98.05%
62.0	13.928	1.364	1506.449	0.08%	98.14%
63.0	13.504	1.334	1507.783	0.08%	98.23%
64.0	13.102	1.306	1509.088	0.08%	98.32%
65.0	12.751	1.279	1510.368	0.08%	98.40%
66.0	12.370	1.253	1511.621	0.07%	98.48%
67.0	12.048	1.228	1512.849	0.07%	98.56%
68.0	11.719	1.204	1514.053	0.07%	98.64%
69.0	11.419	1.180	1515.233	0.07%	98.72%
70.0	11.127	1.158	1516.391	0.07%	98.79%
71.0	10.841	1.135	1517.527	0.07%	98.86%
72.0	10.571	1.113	1518.64	0.07%	98.94%
73.0	10.300	1.091	1519.731	0.06%	99.01%
74.0	10.044	1.070	1520.801	0.06%	99.08%
75.0	9.773	1.047	1521.848	0.06%	99.15%

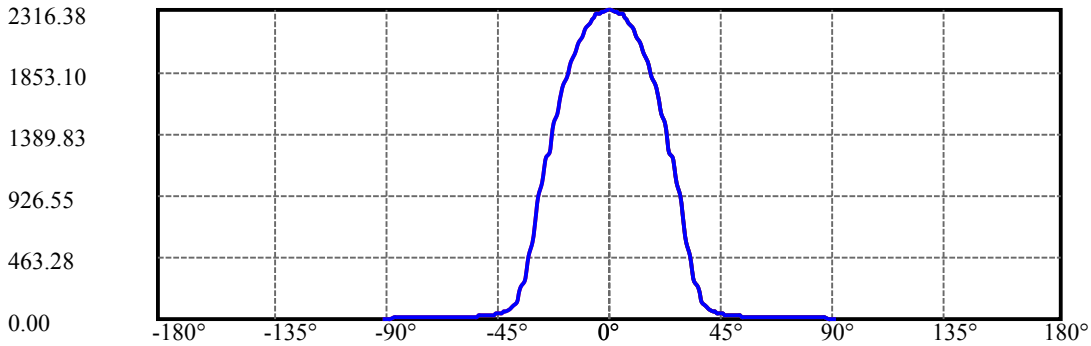
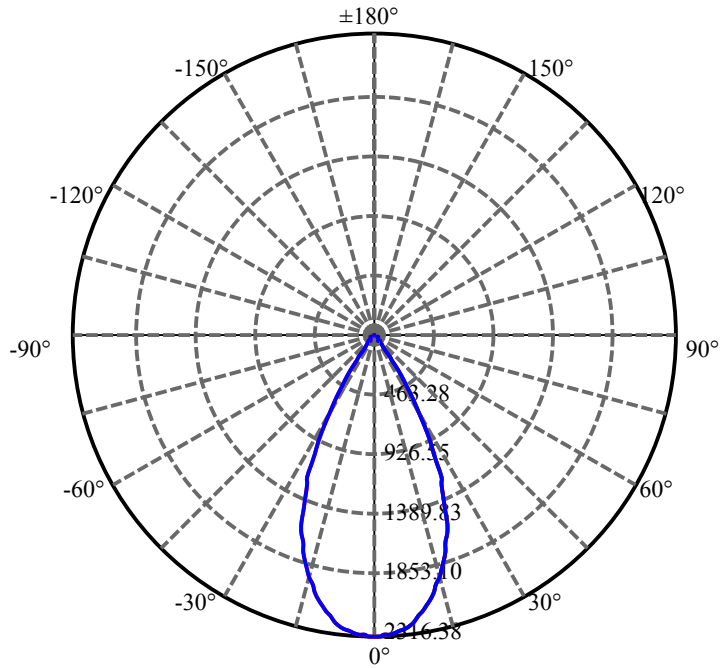
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.510	1.024	1522.872	0.06%	99.21%
77.0	9.276	1.002	1523.873	0.06%	99.28%
78.0	9.034	0.980	1524.853	0.06%	99.34%
79.0	8.786	0.957	1525.811	0.06%	99.40%
80.0	8.544	0.934	1526.745	0.06%	99.47%
81.0	8.303	0.911	1527.656	0.05%	99.52%
82.0	8.098	0.889	1528.545	0.05%	99.58%
83.0	7.864	0.868	1529.413	0.05%	99.64%
84.0	7.666	0.846	1530.259	0.05%	99.69%
85.0	7.476	0.826	1531.086	0.05%	99.75%
86.0	7.249	0.805	1531.891	0.05%	99.80%
87.0	7.118	0.786	1532.677	0.05%	99.85%
88.0	6.971	0.772	1533.449	0.05%	99.90%
89.0	6.825	0.756	1534.205	0.04%	99.95%
90.0	6.759	0.745	1534.95	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1284.69	76.15%	83.70%
0-40	1455.17	86.26%	94.80%
0-60	1503.69	89.13%	97.96%
0-90	1534.20	90.94%	99.95%
0-120	1534.20	90.94%	99.95%
0-180	1534.95	90.99%	100.00%
60-90	30.52	1.81%	1.99%
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%
0-28.63	1227.96	72.79%	80.00%

ZONAL LUMEN SUMMARY

0-10	213.78
10-20	535.18
20-30	535.73
30-40	170.48
40-50	31.49
50-60	17.02
60-70	12.70
70-80	10.35
80-90	7.46
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: —————

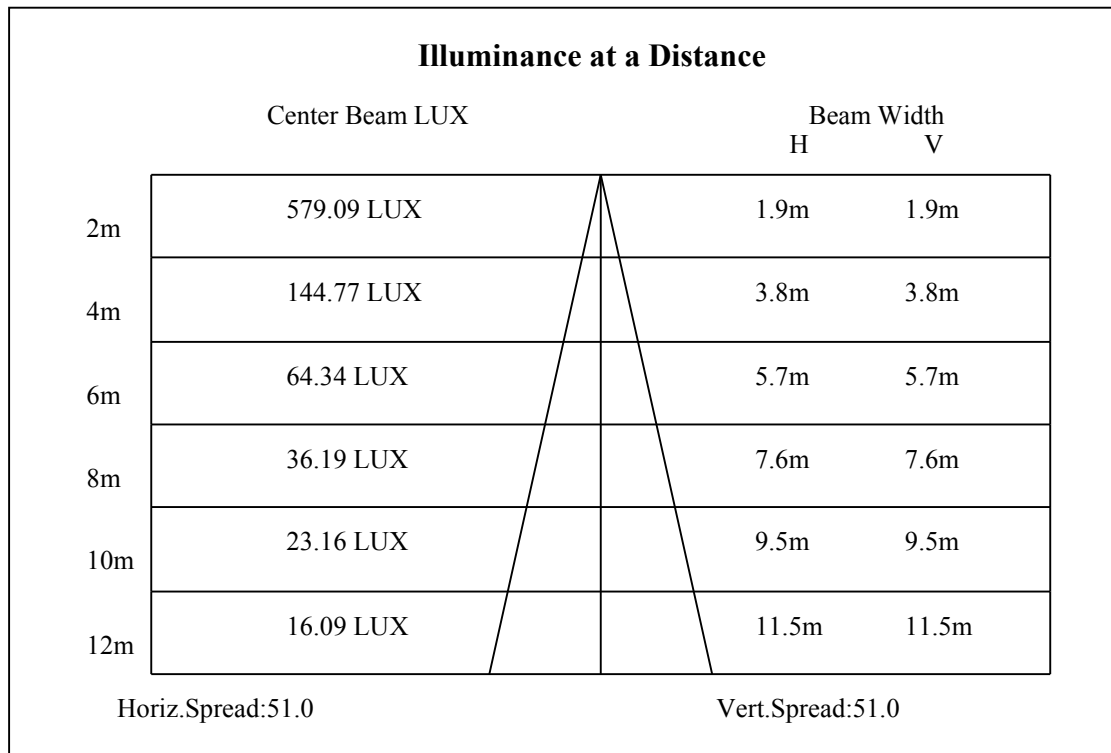
C90/C270: —————

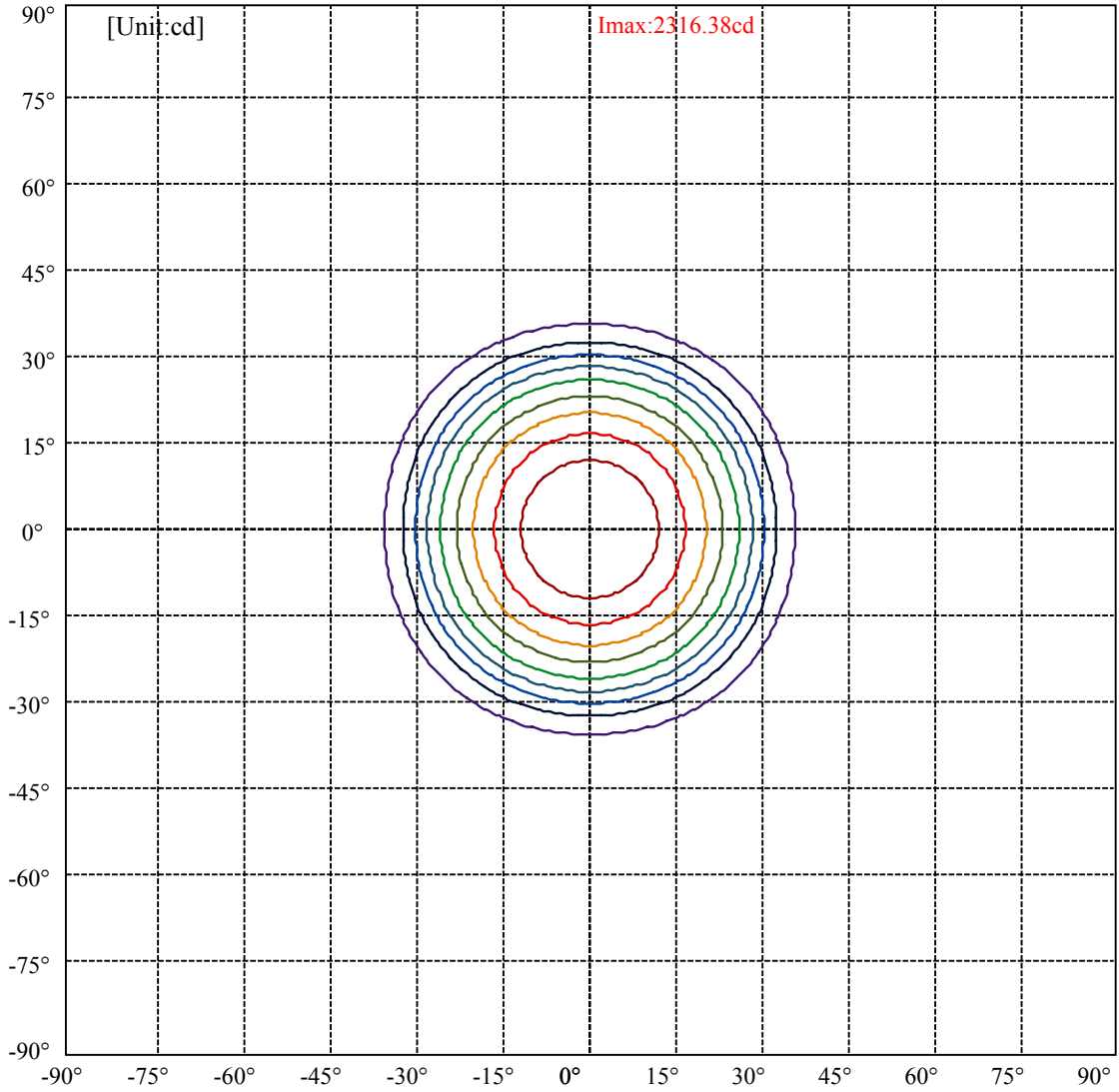
Field angle(10%Imax):C0/180Left:35.2 Right:35.2

:C90/270Left:35.2 Right:35.2

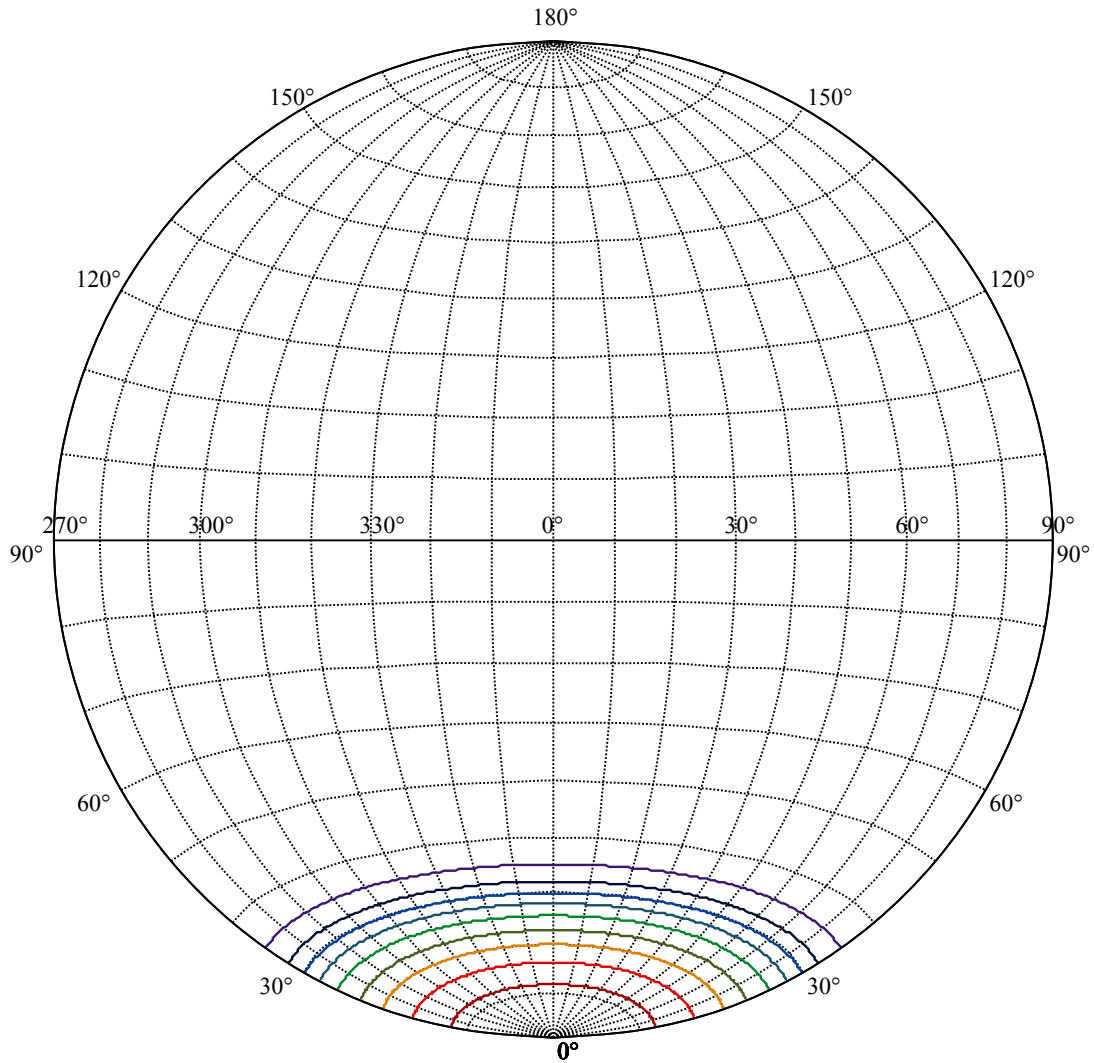
Beam Angle(50%Imax):C0/180Left:25.6 Right:25.6

:C90/270Left:25.6 Right:25.6





(10%Imax) 231.638	—
(20%Imax) 463.276	—
(30%Imax) 694.914	—
(40%Imax) 926.552	—
(50%Imax) 1158.19	—
(60%Imax) 1389.83	—
(70%Imax) 1621.47	—
(80%Imax) 1853.1	—
(90%Imax) 2084.74	—



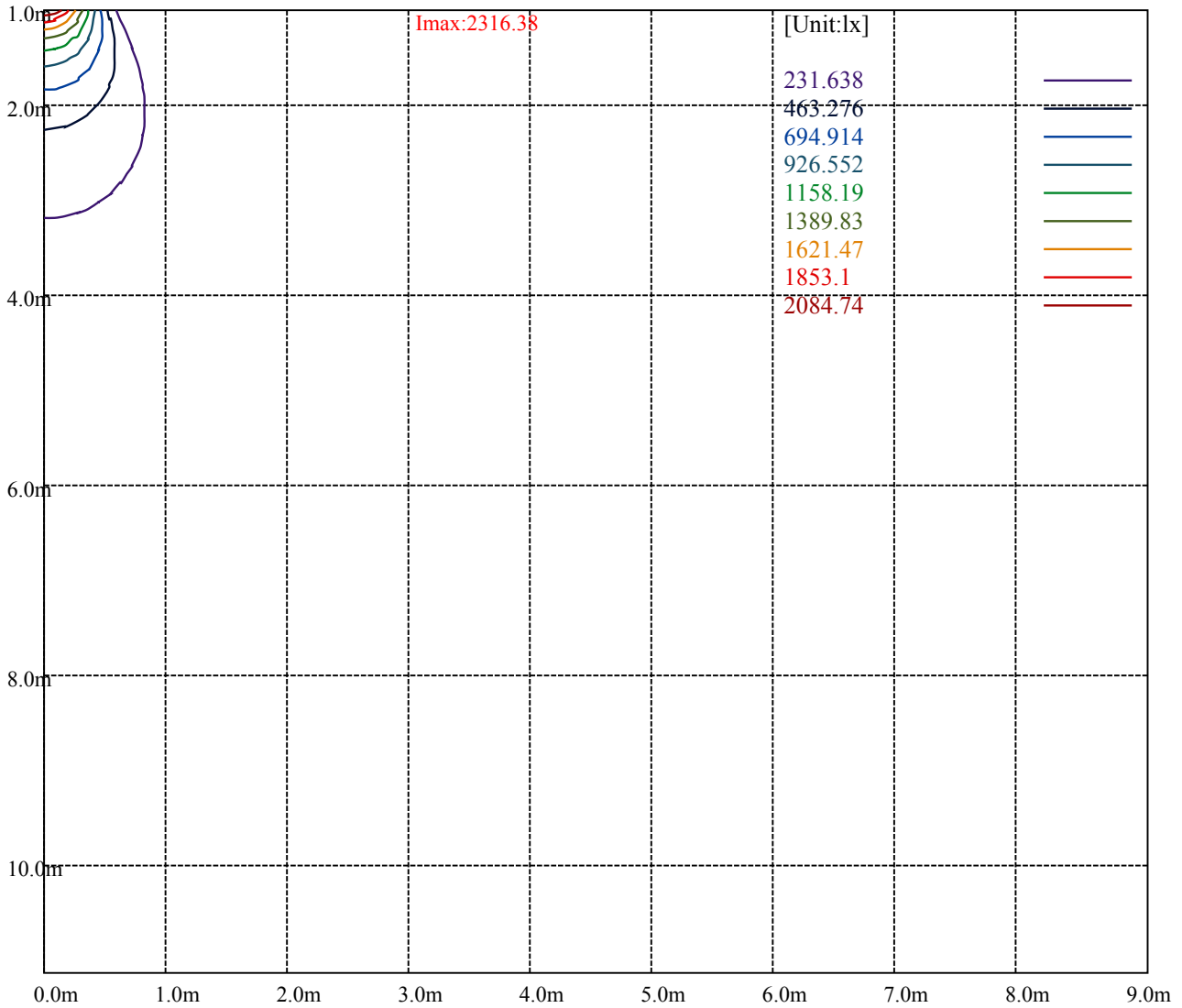
House

[Unit:cd]

Road

Imax:2316.38

(10%Imax)	231.638	—
(20%Imax)	463.276	—
(30%Imax)	694.914	—
(40%Imax)	926.552	—
(50%Imax)	1158.19	—
(60%Imax)	1389.83	—
(70%Imax)	1621.47	—
(80%Imax)	1853.1	—
(90%Imax)	2084.74	—



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

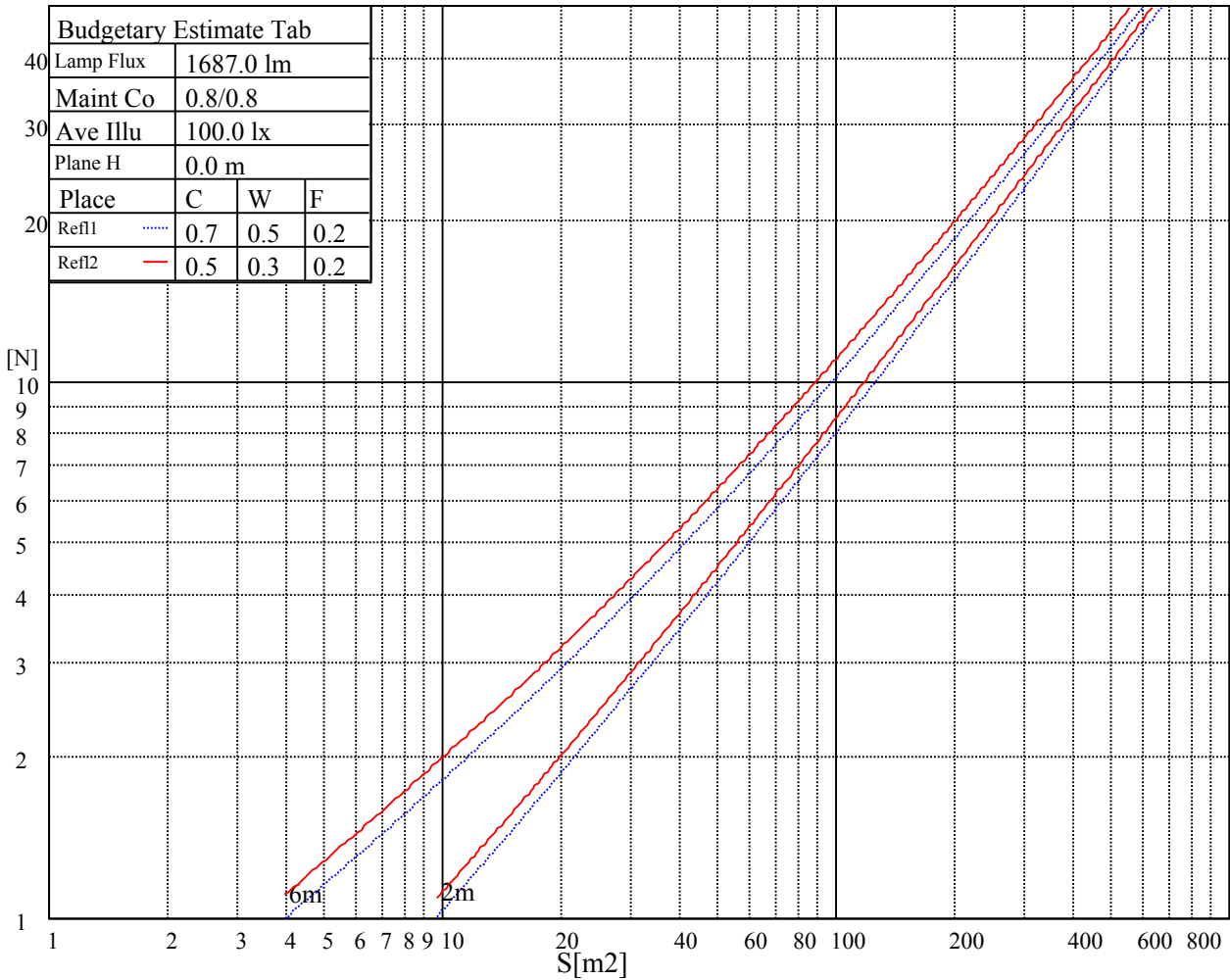
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

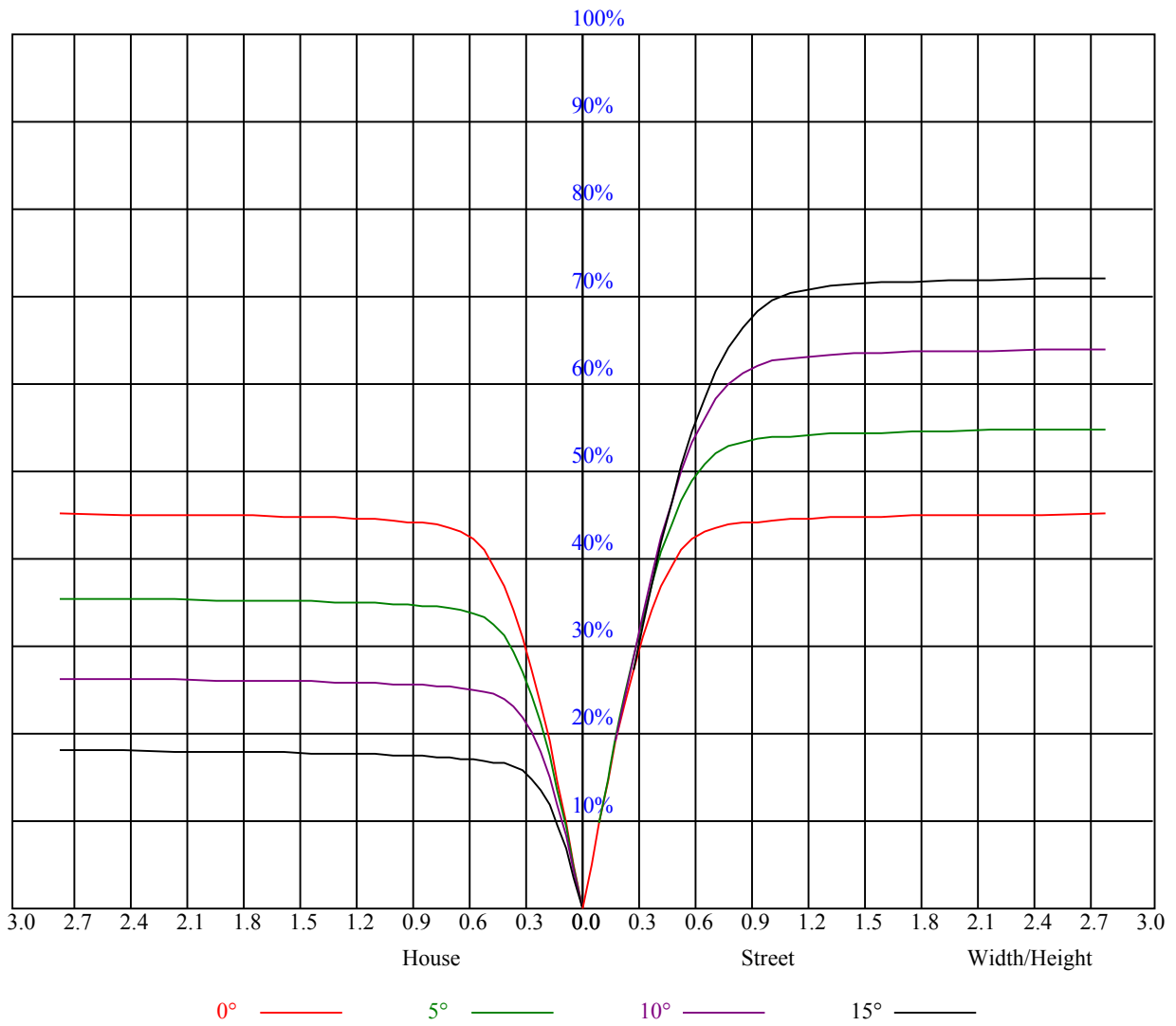


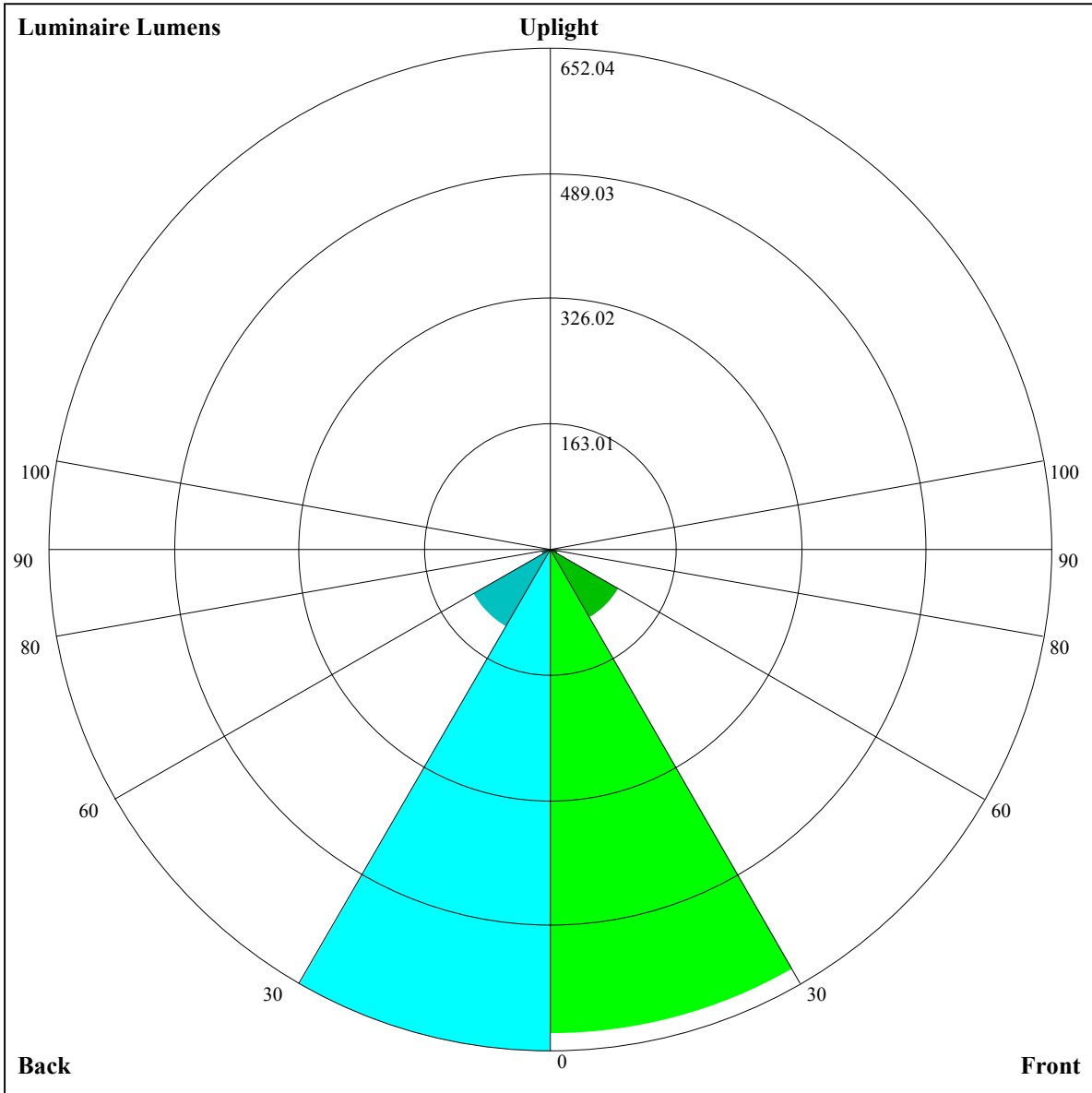
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.01	0.99	0.97	0.99	0.97	0.95	0.95	0.94	0.92	0.92	0.91	0.89	0.89	0.88	0.87	0.85
2	0.94	0.91	0.88	0.93	0.90	0.87	0.90	0.87	0.85	0.87	0.85	0.83	0.85	0.83	0.82	0.80
3	0.89	0.84	0.81	0.87	0.84	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.75
4	0.84	0.79	0.75	0.83	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.73	0.77	0.75	0.72	0.71
5	0.79	0.74	0.70	0.78	0.74	0.70	0.77	0.73	0.69	0.75	0.72	0.69	0.74	0.71	0.68	0.67
6	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.63
7	0.71	0.66	0.62	0.70	0.66	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.60
8	0.67	0.62	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
9	0.64	0.59	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.55	0.61	0.58	0.55	0.54
10	0.61	0.56	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





Luminaire Lumens:

FL=631.27,FM=103.38,FH=11.36,FVH=4.06

BL=652.04,BM=116.51,BH=11.61,BVH=4.14

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	2307.60	2303.50	2293.56	2287.12	2272.49	2253.17	2237.37	2219.82	2178.85
45.0	2310.53	2313.45	2315.79	2318.13	2319.31	2323.40	2317.55	2301.16	2274.24
90.0	2326.33	2329.84	2338.03	2347.98	2349.74	2340.37	2323.99	2302.33	2279.51
135.0	2321.06	2328.08	2327.50	2345.06	2349.74	2357.34	2343.88	2328.08	2294.73
180.0	2307.60	2309.94	2307.02	2309.94	2307.02	2291.80	2278.34	2261.95	2241.47
225.0	2310.53	2301.75	2291.21	2274.24	2256.69	2237.96	2212.79	2196.99	2164.22
270.0	2326.33	2323.40	2304.67	2291.21	2273.66	2238.54	2216.89	2200.50	2164.81
315.0	2321.06	2302.92	2281.85	2265.46	2227.42	2204.02	2182.95	2157.78	2133.79
360.0	2307.60	2303.50	2293.56	2287.12	2272.49	2253.17	2237.37	2219.82	2178.85
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2156.61	2117.99	2073.51	2025.52	1962.32	1913.74	1868.68	1806.65	1752.81
45.0	2239.13	2209.87	2182.95	2150.76	2103.94	2060.64	2005.62	1947.69	1882.73
90.0	2255.52	2228.01	2196.99	2161.88	2108.62	2065.90	2008.55	1951.20	1885.07
135.0	2278.34	2255.52	2225.08	2199.33	2153.10	2099.85	2057.71	2000.36	1947.10
180.0	2205.77	2176.51	2146.08	2099.85	2059.47	2013.82	1952.95	1905.55	1856.39
225.0	2132.62	2096.33	2049.52	2001.53	1959.98	1890.34	1837.08	1793.77	1739.35
270.0	2132.62	2104.53	2068.24	2026.11	1978.12	1936.57	1887.41	1827.13	1772.12
315.0	2103.94	2054.20	2015.57	1964.66	1919.01	1871.02	1813.67	1767.44	1708.92
360.0	2156.61	2117.99	2073.51	2025.52	1962.32	1913.74	1868.68	1806.65	1752.81
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1698.38	1616.45	1555.00	1489.46	1394.06	1265.31	1147.80	1147.80	1026.13
45.0	1825.38	1766.85	1682.00	1606.50	1529.25	1435.62	1357.20	1274.68	1172.85
90.0	1809.57	1744.61	1663.27	1581.34	1502.33	1396.41	1153.24	1153.24	1101.86
135.0	1885.65	1821.28	1743.44	1670.88	1598.31	1519.30	1416.89	1336.71	1257.12
180.0	1792.60	1727.64	1664.44	1586.60	1519.30	1446.73	1378.26	1282.87	1202.11
225.0	1673.22	1615.28	1551.49	1487.12	1402.84	1335.54	1152.66	1152.66	1085.53
270.0	1704.23	1642.79	1590.11	1509.35	1435.03	1369.49	1299.84	1212.06	1133.05
315.0	1662.10	1595.97	1506.43	1430.93	1363.63	1153.60	1153.60	1104.96	1010.22
360.0	1698.38	1616.45	1555.00	1489.46	1394.06	1265.31	1147.80	1147.80	1026.13
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	921.14	814.40	709.06	579.26	477.60	386.72	307.54	225.72	172.23
45.0	1075.12	970.36	835.76	729.25	623.32	522.08	403.86	320.18	301.45
90.0	997.05	885.74	778.41	645.68	545.49	428.09	343.53	266.39	184.46
135.0	1149.44	1046.44	936.42	804.74	699.40	572.99	478.19	390.40	309.64
180.0	1121.93	1027.71	907.16	800.65	667.22	565.97	464.73	355.29	296.77
225.0	989.91	862.27	755.17	623.09	521.90	426.04	339.61	249.25	188.85
270.0	1044.10	944.61	811.77	705.84	605.77	486.97	398.01	316.67	299.11
315.0	883.40	781.33	673.13	545.14	449.92	363.66	287.93	224.49	158.60
360.0	921.14	814.40	709.06	579.26	477.60	386.72	307.54	225.72	172.23
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	124.07	101.36	86.20	71.98	63.56	56.59	49.57	44.83	40.79
45.0	301.45	130.62	104.81	87.96	72.63	63.61	56.30	48.69	43.66
90.0	137.29	106.39	87.90	72.68	63.67	56.53	50.45	43.89	39.56
135.0	309.64	163.80	121.67	96.15	81.87	69.17	61.33	55.01	49.45
180.0	296.77	159.12	116.64	97.56	83.86	73.15	62.97	56.53	51.32
225.0	143.91	114.24	90.94	76.96	66.42	58.17	50.10	44.89	39.50
270.0	219.46	131.56	99.02	81.99	69.35	58.00	51.15	45.59	40.85
315.0	122.49	94.86	79.82	68.65	58.11	51.27	45.71	40.97	36.17
360.0	124.07	101.36	86.20	71.98	63.56	56.59	49.57	44.83	40.79

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	37.22	33.53	31.19	29.20	26.98	25.22	23.82	22.36	21.19
45.0	39.44	34.70	31.66	28.91	26.69	24.46	22.94	21.54	20.37
90.0	35.52	31.49	28.73	26.57	24.46	22.94	21.24	20.13	19.14
135.0	43.60	39.62	35.35	32.30	29.79	27.21	25.52	23.99	22.24
180.0	45.76	41.84	38.62	35.17	32.83	30.72	28.38	26.63	25.11
225.0	35.99	33.07	29.90	27.92	26.16	24.70	22.82	21.36	20.13
270.0	36.17	32.83	30.08	27.56	25.22	23.70	22.30	20.72	19.66
315.0	32.89	30.14	27.74	25.40	23.76	22.30	20.72	19.61	18.61
360.0	37.22	33.53	31.19	29.20	26.98	25.22	23.82	22.36	21.19
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.13	18.90	18.02	17.26	16.56	15.74	15.22	14.75	14.28
45.0	19.14	18.26	17.50	16.62	16.04	15.33	14.81	14.34	13.93
90.0	18.26	17.32	16.62	15.98	15.45	14.92	14.40	13.93	13.58
135.0	21.01	20.01	19.08	18.14	17.09	16.33	15.68	14.98	14.46
180.0	23.76	22.12	20.95	19.72	18.73	17.62	16.80	16.09	15.33
225.0	18.96	17.73	16.85	16.04	15.27	14.69	14.22	13.69	13.34
270.0	18.43	17.50	16.62	15.92	15.27	14.69	14.28	13.81	13.40
315.0	17.50	16.68	15.86	15.27	14.75	14.34	13.81	13.46	13.11
360.0	20.13	18.90	18.02	17.26	16.56	15.74	15.22	14.75	14.28
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.81	13.46	13.11	12.64	12.35	12.06	11.65	11.35	11.06
45.0	13.46	13.05	12.76	12.35	12.06	11.76	11.47	11.12	10.89
90.0	13.11	12.76	12.41	12.11	11.76	11.41	11.12	10.83	10.59
135.0	13.99	13.52	13.17	12.70	12.41	12.06	11.76	11.41	11.12
180.0	14.86	14.46	13.93	13.52	12.99	12.64	12.29	12.00	11.59
225.0	12.99	12.52	12.17	11.88	11.65	11.29	11.00	10.77	10.53
270.0	12.99	12.64	12.35	11.94	11.70	11.35	11.12	10.89	10.53
315.0	12.82	12.41	12.11	11.82	11.47	11.18	10.94	10.65	10.42
360.0	13.81	13.46	13.11	12.64	12.35	12.06	11.65	11.35	11.06
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.71	10.42	10.18	9.89	9.54	9.31	9.13	8.84	8.54
45.0	10.59	10.30	10.07	9.77	9.48	9.25	9.01	8.72	8.49
90.0	10.36	10.07	9.83	9.60	9.31	9.13	8.84	8.60	8.37
135.0	10.83	10.59	10.30	10.07	9.83	9.54	9.31	9.07	8.84
180.0	11.29	11.00	10.71	10.36	10.12	9.89	9.60	9.31	9.07
225.0	10.24	10.01	9.71	9.48	9.25	9.01	8.78	8.60	8.31
270.0	10.36	10.12	9.89	9.60	9.36	9.19	8.95	8.66	8.49
315.0	10.18	9.89	9.66	9.42	9.19	8.90	8.66	8.49	8.25
360.0	10.71	10.42	10.18	9.89	9.54	9.31	9.13	8.84	8.54
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.31	8.13	7.90	7.72	7.55	7.32	7.20	7.02	6.73
45.0	8.31	8.02	7.78	7.55	7.37	7.14	7.02	6.91	6.73
90.0	8.08	7.90	7.67	7.49	7.32	7.08	6.96	6.85	6.73
135.0	8.60	8.37	8.08	7.90	7.67	7.43	7.26	7.08	6.96
180.0	8.78	8.60	8.31	8.08	7.90	7.67	7.49	7.32	7.14
225.0	8.13	7.90	7.72	7.49	7.32	7.14	7.02	6.91	6.79
270.0	8.19	8.02	7.78	7.61	7.43	7.14	7.02	6.91	6.79
315.0	8.02	7.84	7.67	7.49	7.26	7.08	6.96	6.79	6.73
360.0	8.31	8.13	7.90	7.72	7.55	7.32	7.20	7.02	6.73

Intensity data(cd)

C/γ(°)	90.0
0.0	6.73
45.0	6.67
90.0	6.67
135.0	6.85
180.0	7.02
225.0	6.73
270.0	6.67
315.0	6.73
360.0	6.73