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NT

Client:

LumCAT: 1-1298-L

Luminaire: 92.70.427.00

Report No: 2024722-B014

Ballast type: AC

Test No: 2024722-C014

Voltage(V): 34.010

LampCAT: LUMINUS CXM-9-AC40

Current(A): 0.360

Lamp flux(lm): 1687.0

Power (W): 12.243

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1522.65, Efficiency(%): 90.26% , Luminous Efficacy(lm/W): 124.37

Central intensity(cd): 6546.093, Maximum intensity(cd): 6546.093

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=19.4

[C90/270]Total=19.4

Field angle(10%Imax): [C0/180]Total=53.0

[C90/270]Total=53.0

Maximum s/h(1/2): C0_180=0.33 C90_270=0.33

Maximum s/h(1/4): C0_180=0.39 C90_270=0.39

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 90.26%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.543%

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	6546.093	0.000	0	0.00%	0.00%
1.0	6494.374	6.240	6.24	0.37%	0.41%
2.0	6335.558	18.415	24.654	1.09%	1.62%
3.0	6103.443	29.750	54.404	1.76%	3.57%
4.0	5745.944	39.664	94.068	2.35%	6.18%
5.0	5362.183	47.787	141.855	2.83%	9.32%
6.0	4913.534	54.002	195.856	3.20%	12.86%
7.0	4449.890	58.119	253.975	3.45%	16.68%
8.0	3996.414	60.449	314.423	3.58%	20.65%
9.0	3571.028	61.330	375.753	3.64%	24.68%
10.0	3169.418	60.999	436.752	3.62%	28.68%
11.0	2824.793	59.894	496.647	3.55%	32.62%
12.0	2532.766	58.566	555.212	3.47%	36.46%
13.0	2280.754	57.124	612.337	3.39%	40.22%
14.0	2068.317	55.668	668.004	3.30%	43.87%
15.0	1898.894	54.464	722.468	3.23%	47.45%
16.0	1732.837	53.215	775.683	3.15%	50.94%
17.0	1576.655	51.538	827.221	3.05%	54.33%
18.0	1416.793	49.355	876.576	2.93%	57.57%
19.0	1310.853	47.455	924.032	2.81%	60.69%
20.0	1201.862	45.990	970.021	2.73%	63.71%
21.0	1112.198	44.435	1014.456	2.63%	66.62%
22.0	1015.219	42.751	1057.207	2.53%	69.43%
23.0	919.074	40.587	1097.794	2.41%	72.10%
24.0	837.874	38.413	1136.207	2.28%	74.62%
25.0	761.151	36.358	1172.565	2.16%	77.01%
26.0	688.254	34.213	1206.779	2.03%	79.26%
27.0	616.798	31.928	1238.707	1.89%	81.35%
28.0	548.144	29.494	1268.201	1.75%	83.29%
29.0	481.823	26.947	1295.148	1.60%	85.06%
30.0	413.505	24.174	1319.322	1.43%	86.65%
31.0	353.871	21.355	1340.677	1.27%	88.05%
32.0	299.833	18.728	1359.404	1.11%	89.28%
33.0	256.863	16.400	1375.805	0.97%	90.36%
34.0	204.112	13.950	1389.755	0.83%	91.27%
35.0	169.576	11.605	1401.361	0.69%	92.03%
36.0	118.098	9.160	1410.52	0.54%	92.64%
37.0	92.941	6.883	1417.403	0.41%	93.09%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	78.640	5.727	1423.13	0.34%	93.46%
39.0	68.910	5.036	1428.167	0.30%	93.79%
40.0	61.529	4.549	1432.716	0.27%	94.09%
41.0	55.531	4.168	1436.884	0.25%	94.37%
42.0	50.432	3.850	1440.734	0.23%	94.62%
43.0	45.991	3.572	1444.306	0.21%	94.85%
44.0	42.070	3.324	1447.63	0.20%	95.07%
45.0	38.917	3.112	1450.742	0.18%	95.28%
46.0	36.086	2.933	1453.675	0.17%	95.47%
47.0	33.585	2.771	1456.446	0.16%	95.65%
48.0	31.529	2.632	1459.079	0.16%	95.82%
49.0	29.773	2.517	1461.596	0.15%	95.99%
50.0	28.171	2.416	1464.012	0.14%	96.15%
51.0	26.855	2.328	1466.34	0.14%	96.30%
52.0	25.735	2.257	1468.597	0.13%	96.45%
53.0	24.755	2.196	1470.793	0.13%	96.59%
54.0	23.928	2.146	1472.939	0.13%	96.74%
55.0	23.336	2.110	1475.048	0.13%	96.87%
56.0	22.751	2.083	1477.131	0.12%	97.01%
57.0	22.246	2.057	1479.188	0.12%	97.15%
58.0	21.770	2.035	1481.224	0.12%	97.28%
59.0	21.339	2.015	1483.239	0.12%	97.41%
60.0	20.893	1.995	1485.234	0.12%	97.54%
61.0	20.271	1.964	1487.199	0.12%	97.67%
62.0	19.547	1.919	1489.117	0.11%	97.80%
63.0	18.808	1.865	1490.983	0.11%	97.92%
64.0	17.959	1.804	1492.787	0.11%	98.04%
65.0	17.176	1.739	1494.526	0.10%	98.15%
66.0	16.328	1.672	1496.197	0.10%	98.26%
67.0	15.545	1.603	1497.8	0.10%	98.37%
68.0	14.784	1.536	1499.336	0.09%	98.47%
69.0	14.155	1.476	1500.813	0.09%	98.57%
70.0	13.497	1.420	1502.233	0.08%	98.66%
71.0	12.948	1.367	1503.6	0.08%	98.75%
72.0	12.443	1.320	1504.92	0.08%	98.84%
73.0	11.946	1.275	1506.195	0.08%	98.92%
74.0	11.507	1.233	1507.428	0.07%	99.00%
75.0	11.097	1.194	1508.623	0.07%	99.08%

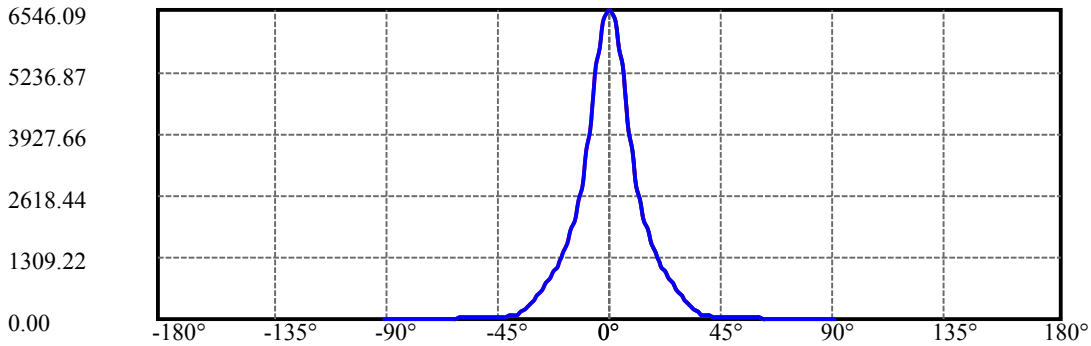
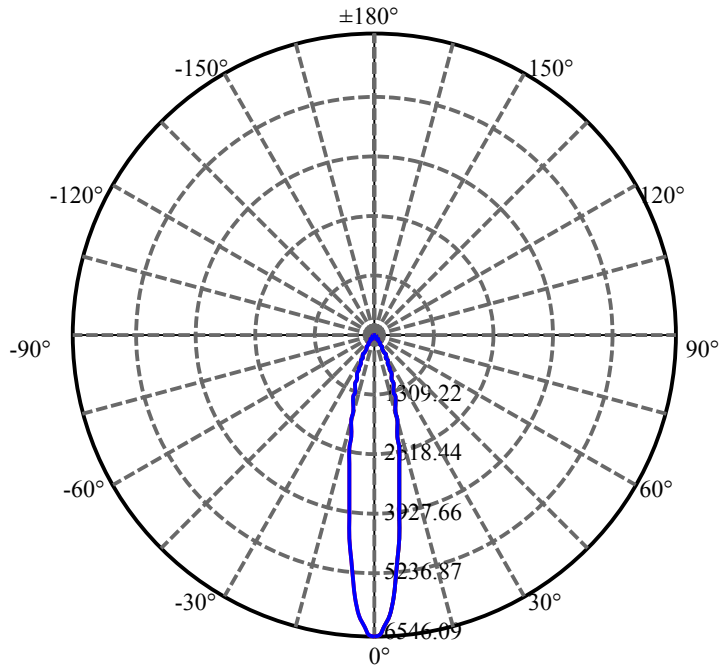
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.710	1.158	1509.78	0.07%	99.15%
77.0	10.337	1.122	1510.902	0.07%	99.23%
78.0	10.000	1.089	1511.991	0.06%	99.30%
79.0	9.664	1.057	1513.047	0.06%	99.37%
80.0	9.320	1.023	1514.071	0.06%	99.44%
81.0	9.056	0.994	1515.065	0.06%	99.50%
82.0	8.764	0.966	1516.031	0.06%	99.57%
83.0	8.457	0.936	1516.967	0.06%	99.63%
84.0	8.193	0.907	1517.874	0.05%	99.69%
85.0	7.901	0.878	1518.753	0.05%	99.74%
86.0	7.447	0.839	1519.591	0.05%	99.80%
87.0	7.132	0.798	1520.389	0.05%	99.85%
88.0	6.928	0.770	1521.16	0.05%	99.90%
89.0	6.789	0.752	1521.911	0.04%	99.95%
90.0	6.694	0.739	1522.651	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1319.32	78.21%	86.65%
0-40	1432.72	84.93%	94.09%
0-60	1485.23	88.04%	97.54%
0-90	1521.91	90.21%	99.95%
0-120	1521.91	90.21%	99.95%
0-180	1522.65	90.26%	100.00%
60-90	36.68	2.17%	2.41%
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%
0-26.36	1218.12	72.21%	80.00%

ZONAL LUMEN SUMMARY

0-10	436.75
10-20	533.27
20-30	349.30
30-40	113.39
40-50	31.30
50-60	21.22
60-70	17.00
70-80	11.84
80-90	7.84
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



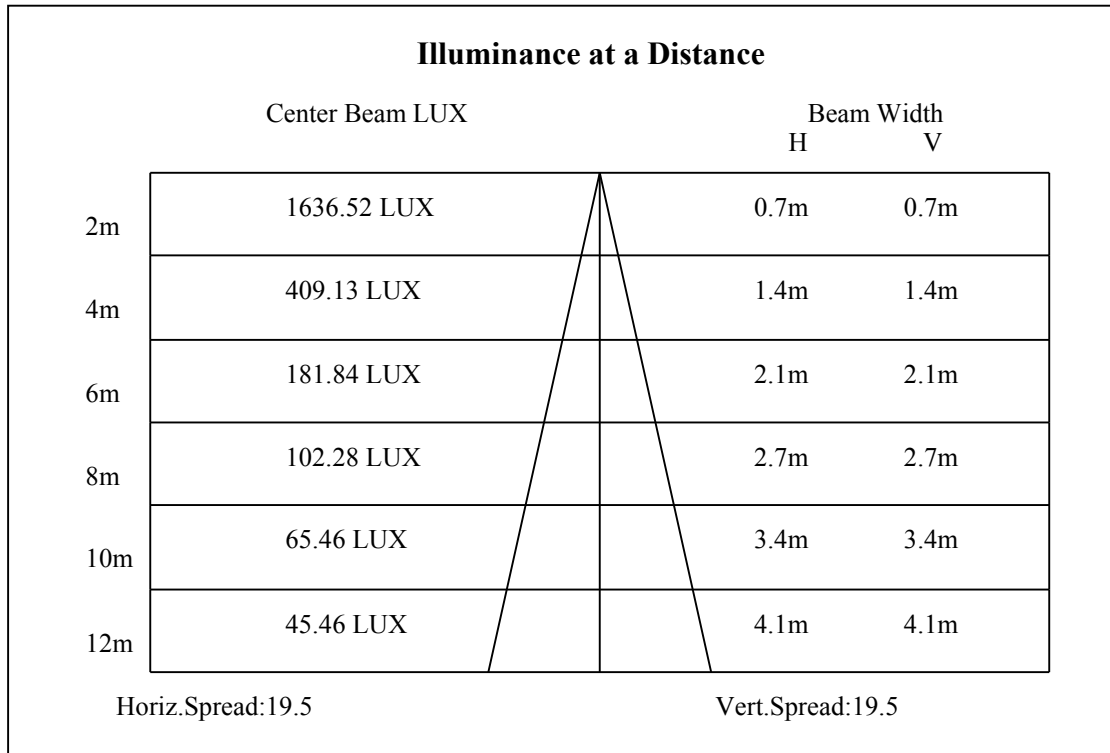
C0(Max): —————

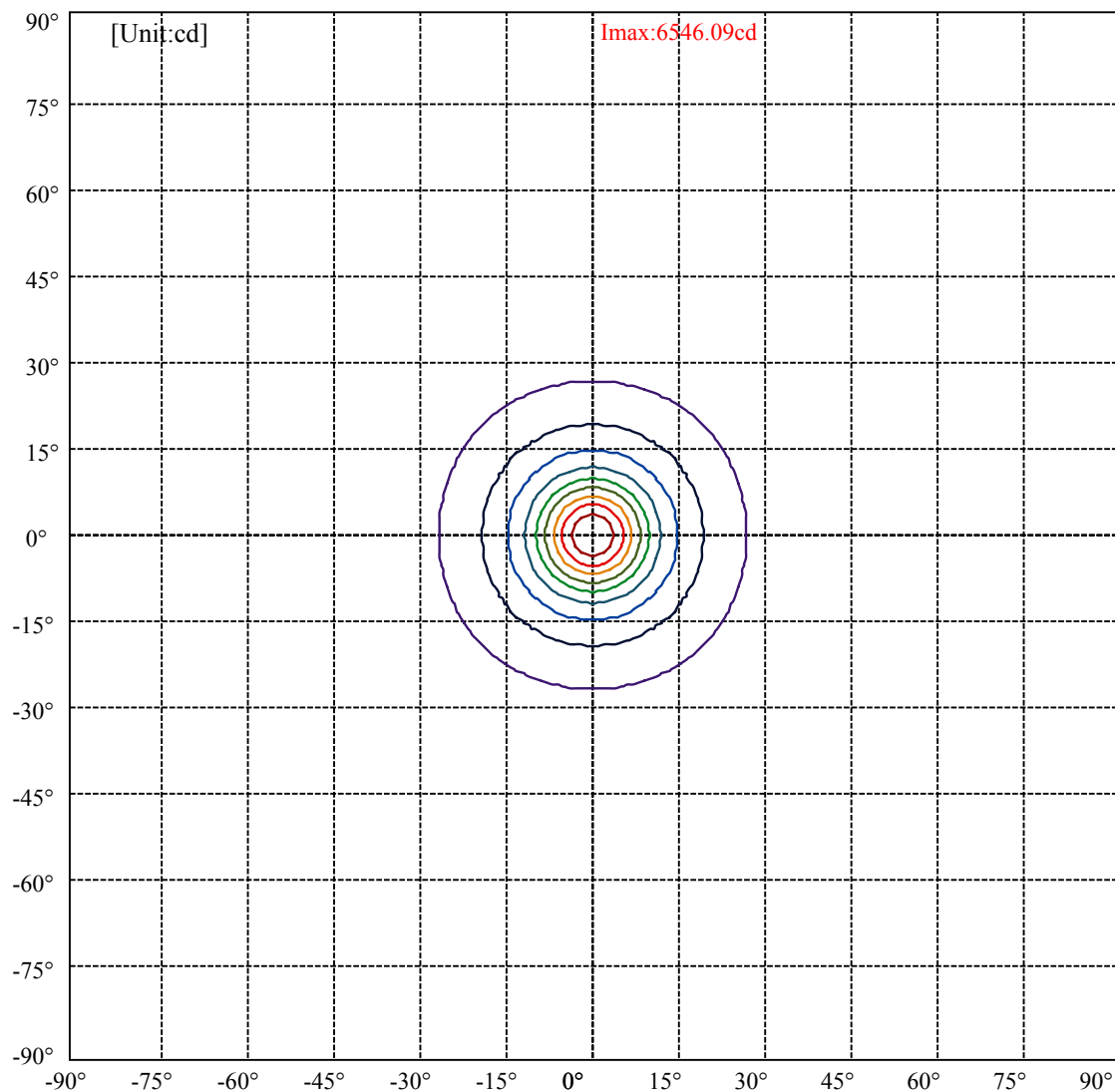
C0/C180: —————

C90/C270: —————

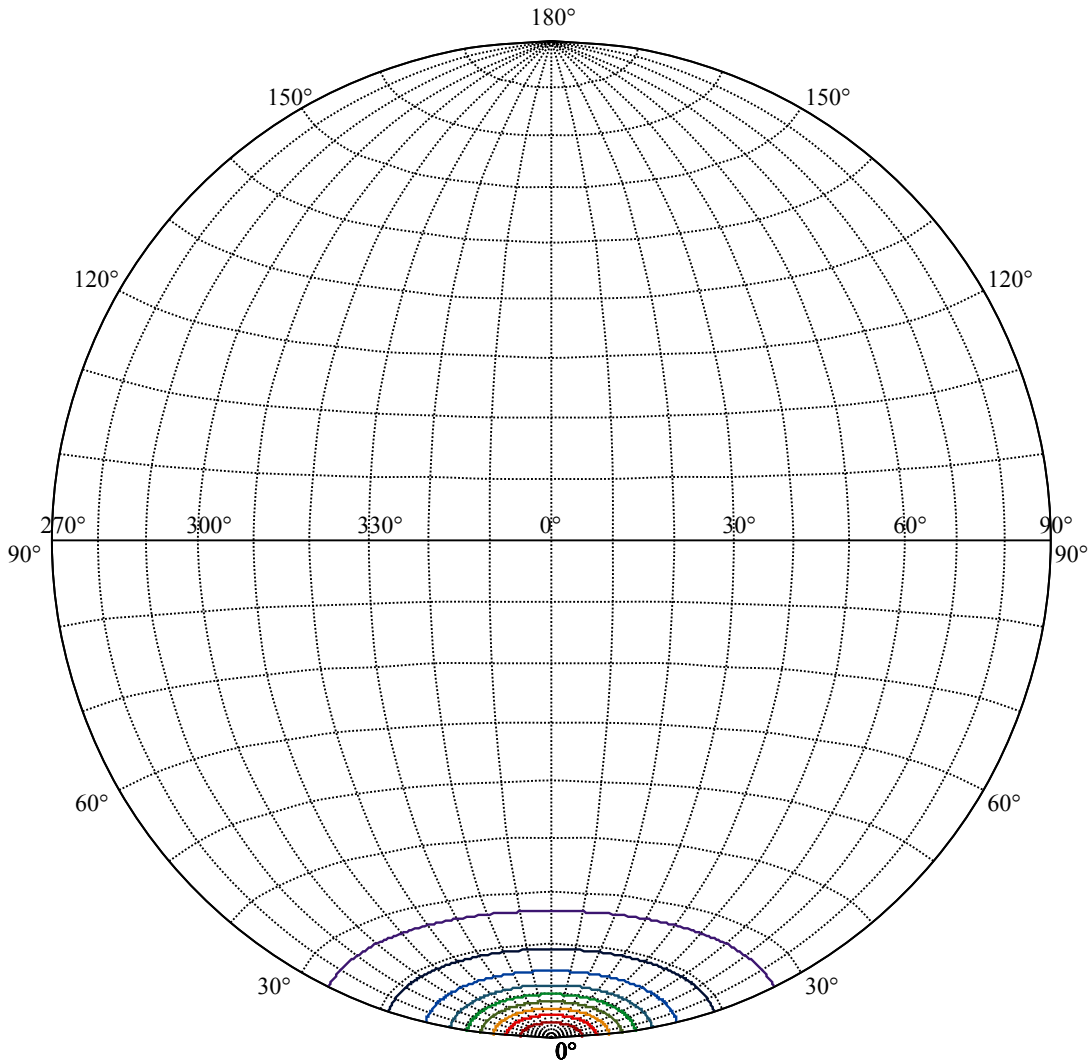
Field angle(10%Imax):C0/180Left:26.5 Right:26.5
:C90/270Left:26.5 Right:26.5

Beam Angle(50%Imax):C0/180Left:9.7 Right:9.7
:C90/270Left:9.7 Right:9.7





(10%Imax) 654.609	—
(20%Imax) 1309.22	—
(30%Imax) 1963.83	—
(40%Imax) 2618.44	—
(50%Imax) 3273.05	—
(60%Imax) 3927.66	—
(70%Imax) 4582.27	—
(80%Imax) 5236.87	—
(90%Imax) 5891.48	—



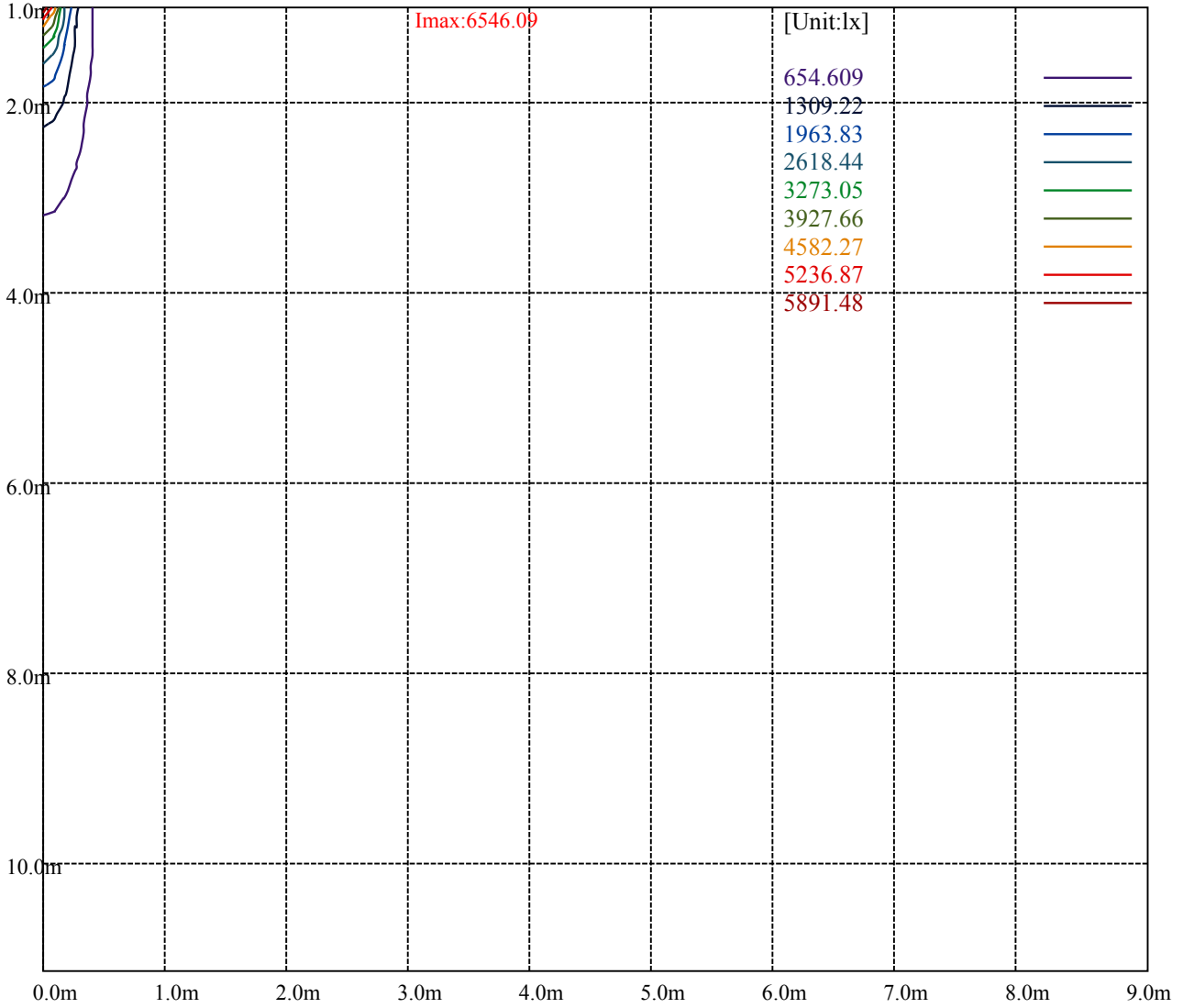
House

[Unit:cd]

Road

Imax:6546.09

(10%Imax) 654.609	—
(20%Imax) 1309.22	—
(30%Imax) 1963.83	—
(40%Imax) 2618.44	—
(50%Imax) 3273.05	—
(60%Imax) 3927.66	—
(70%Imax) 4582.27	—
(80%Imax) 5236.87	—
(90%Imax) 5891.48	—



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

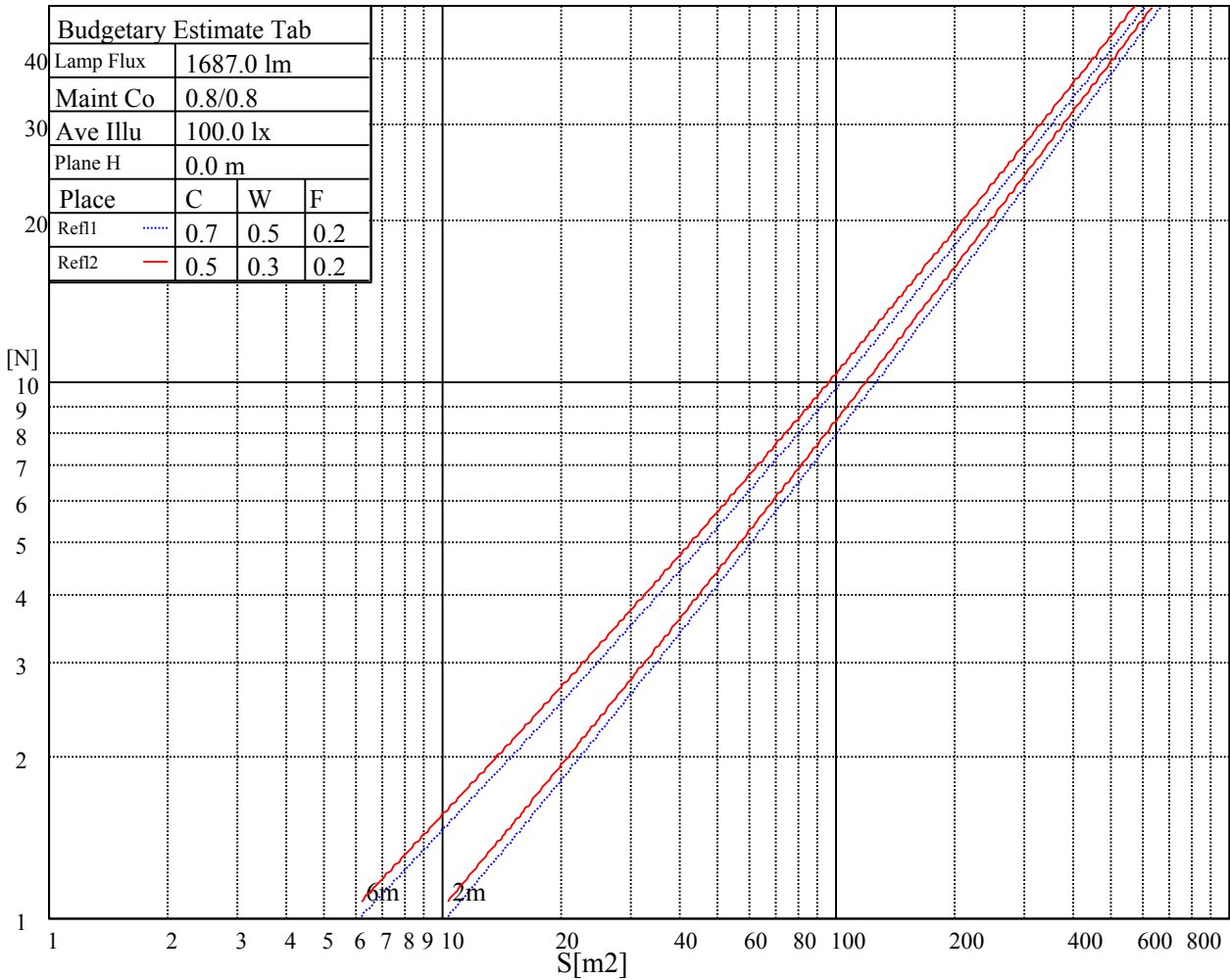
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

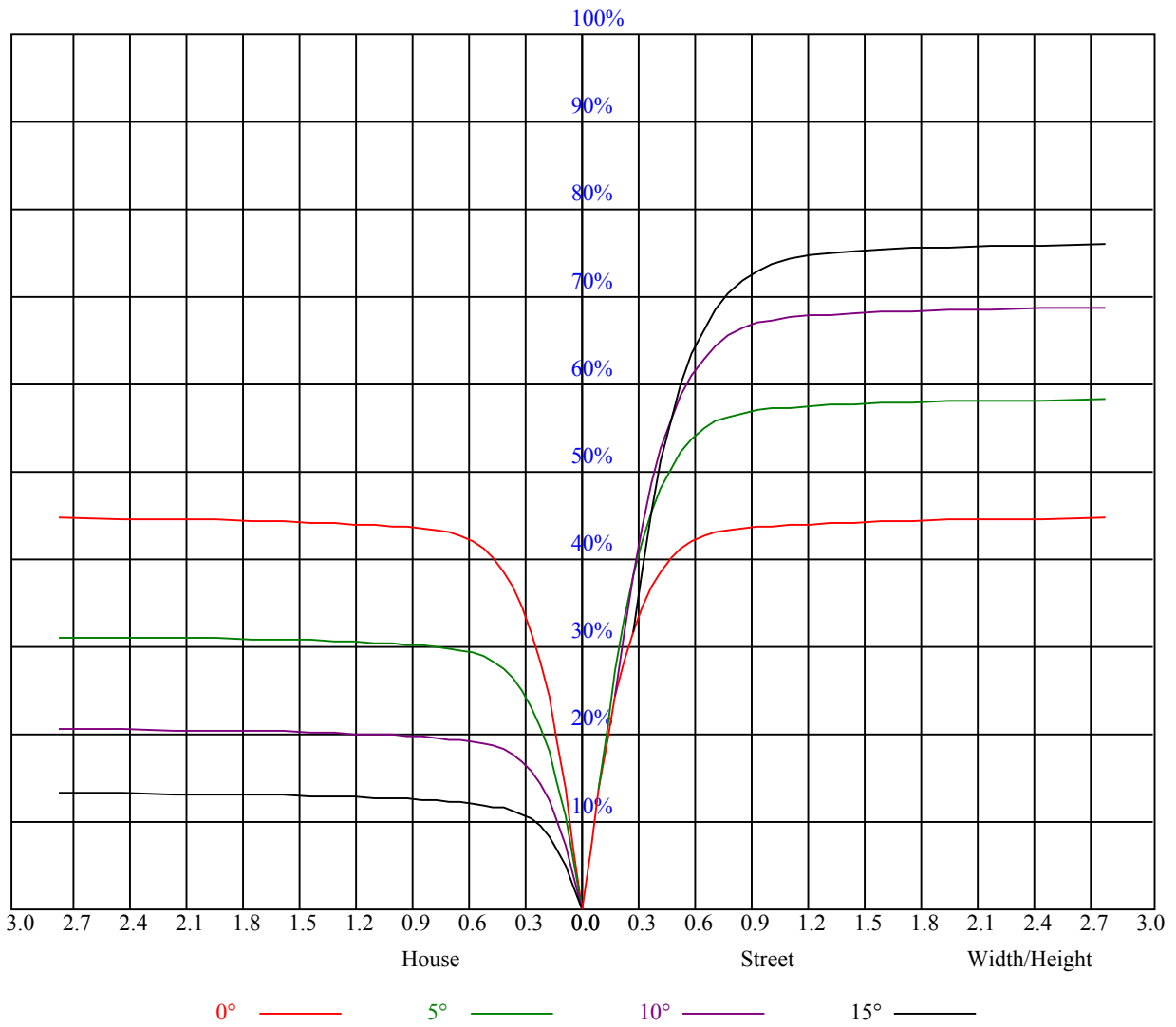


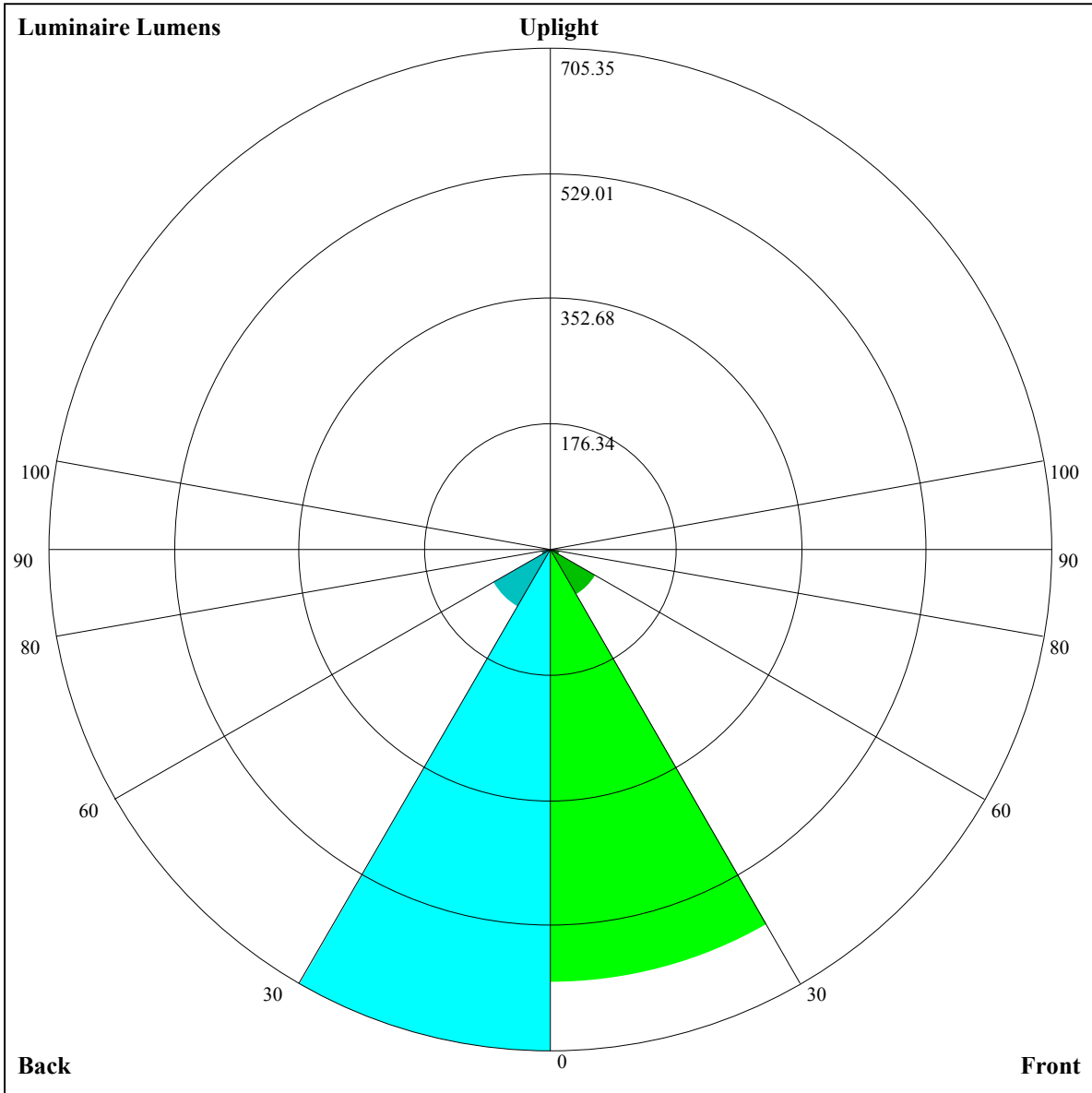
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.07	1.07	1.07	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.01	0.99	0.97	0.99	0.97	0.95	0.95	0.94	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.85
2	0.95	0.92	0.89	0.93	0.91	0.88	0.91	0.88	0.86	0.88	0.86	0.84	0.85	0.84	0.83	0.81
3	0.90	0.86	0.83	0.89	0.85	0.82	0.86	0.84	0.81	0.84	0.82	0.80	0.82	0.80	0.79	0.77
4	0.86	0.81	0.78	0.85	0.81	0.78	0.83	0.79	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.74
5	0.82	0.77	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.71
6	0.78	0.74	0.71	0.78	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.74	0.71	0.69	0.68
7	0.75	0.71	0.68	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.65
8	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.63
9	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.61
10	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59





Luminaire Lumens:

FL=609.03,FM=73.94,FH=13.97,FVH=4.18

BL=705.35,BM=94.2,BH=14.8,BVH=4.39

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	6434.61	6151.94	5794.96	5403.44	4863.86	4428.46	4007.68	3621.43	3174.90
45.0	6683.91	6562.77	6258.45	5952.97	5471.91	5041.19	4603.44	4195.54	3678.20
90.0	6569.79	6425.24	6202.86	5911.42	5450.26	5019.53	4589.98	4052.74	3651.28
135.0	6496.06	6633.58	6682.74	6625.39	6412.37	6141.99	5673.81	5228.46	4765.55
180.0	6434.61	6696.79	6785.74	6775.21	6614.27	6371.99	5940.09	5484.20	4998.47
225.0	6683.91	6716.10	6613.10	6419.39	6120.93	5738.19	5198.61	4707.02	4214.26
270.0	6569.79	6586.77	6493.13	6256.70	5960.58	5615.29	5194.52	4642.65	4203.14
315.0	6496.06	6181.79	5853.48	5483.03	5073.37	4540.82	4100.14	3667.08	3285.51
360.0	6434.61	6151.94	5794.96	5403.44	4863.86	4428.46	4007.68	3621.43	3174.90
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2871.76	2617.18	2334.52	2137.89	1922.52	1775.05	1639.27	1505.26	1282.29
45.0	3327.06	2997.58	2720.18	2422.30	2211.62	2029.03	1865.17	1685.51	1552.08
90.0	3286.10	2882.88	2605.48	2367.29	2166.56	1943.01	1787.34	1648.05	1514.04
135.0	4187.34	3743.74	3339.94	2899.26	2603.14	2362.03	2154.86	1970.51	1777.97
180.0	4509.22	3905.85	3464.01	3077.76	2751.20	2429.33	2228.60	2047.76	1878.63
225.0	3754.86	3243.38	2894.00	2610.16	2312.87	2127.35	1956.47	1771.53	1634.01
270.0	3756.62	3353.98	2905.12	2606.65	2308.77	2101.60	1924.28	1721.79	1579.00
315.0	2875.27	2610.75	2335.11	2140.81	1969.34	1779.14	1635.18	1512.28	1395.23
360.0	2871.76	2617.18	2334.52	2137.89	1922.52	1775.05	1639.27	1505.26	1282.29
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1149.21	1149.21	1051.30	938.41	852.15	779.99	718.13	635.03	571.24
45.0	1411.04	1302.18	1199.18	1074.53	979.73	893.70	800.06	733.93	668.39
90.0	1296.33	1156.93	1133.46	1041.93	952.04	852.15	781.28	721.29	654.81
135.0	1635.76	1505.84	1360.12	1254.78	1153.54	1037.66	949.88	870.87	778.99
180.0	1714.77	1572.56	1429.76	1324.42	1210.89	1093.26	1003.72	914.18	814.69
225.0	1507.01	1290.48	1156.35	1156.35	1062.48	950.52	871.11	795.15	726.85
270.0	1459.02	1348.42	1216.16	1130.71	1036.49	948.71	847.46	767.87	705.25
315.0	1161.20	1161.20	1068.56	976.45	874.44	796.61	731.36	650.89	585.81
360.0	1149.21	1149.21	1051.30	938.41	852.15	779.99	718.13	635.03	571.24
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	490.71	428.79	371.38	300.57	247.67	197.40	144.78	110.31	86.44
45.0	600.50	534.37	455.95	396.84	338.90	296.18	296.18	170.30	124.54
90.0	572.88	507.62	446.76	389.17	318.48	264.99	214.95	159.24	124.30
135.0	711.11	643.81	561.29	499.26	438.98	383.38	314.91	302.03	302.03
180.0	747.39	680.68	609.86	529.69	465.90	406.79	346.51	302.62	302.62
225.0	645.44	581.77	519.45	443.72	383.73	312.39	258.73	208.81	154.50
270.0	644.98	563.63	502.77	429.61	371.68	320.76	307.30	246.38	166.32
315.0	521.38	444.48	387.13	319.18	265.63	216.77	171.53	133.20	95.86
360.0	490.71	428.79	371.38	300.57	247.67	197.40	144.78	110.31	86.44
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	73.33	64.67	58.58	53.31	48.81	44.01	40.79	37.92	34.76
45.0	97.73	81.76	71.28	64.20	57.82	51.03	46.82	43.13	40.03
90.0	99.49	83.57	75.32	67.71	59.81	54.43	49.74	45.82	41.38
135.0	169.72	123.78	98.26	83.22	72.51	65.49	57.59	52.20	47.58
180.0	176.04	130.04	103.53	87.08	75.08	67.42	60.69	53.72	49.04
225.0	120.26	94.92	80.76	70.87	64.37	58.46	53.14	47.52	43.77
270.0	130.51	96.33	79.24	69.76	63.73	57.35	52.90	48.75	44.42
315.0	77.72	68.47	62.15	55.13	50.10	46.06	41.79	38.86	35.58
360.0	73.33	64.67	58.58	53.31	48.81	44.01	40.79	37.92	34.76

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	32.77	30.67	29.26	27.97	26.92	25.75	25.22	24.70	24.35
45.0	36.34	33.94	31.95	30.02	28.15	26.92	25.81	24.70	24.23
90.0	38.27	35.52	33.07	30.61	29.09	27.56	26.39	25.11	23.94
135.0	43.72	39.74	36.81	34.18	32.07	29.73	28.21	26.98	25.46
180.0	45.00	41.67	38.16	35.41	33.12	31.25	29.20	27.86	26.63
225.0	40.44	36.99	34.41	32.36	30.08	28.38	26.92	25.40	24.40
270.0	41.38	38.51	35.46	33.42	31.72	29.79	28.32	26.98	25.46
315.0	33.42	31.66	29.55	28.27	27.04	25.98	24.76	24.17	23.58
360.0	32.77	30.67	29.26	27.97	26.92	25.75	25.22	24.70	24.35
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	23.76	23.58	23.29	22.82	22.24	21.77	21.07	19.78	18.90
45.0	23.47	22.94	22.59	22.53	22.00	21.54	21.01	20.31	19.14
90.0	23.12	22.53	21.89	21.54	21.19	20.72	20.25	19.72	18.96
135.0	24.46	23.70	22.88	22.30	21.77	21.24	20.95	20.54	20.07
180.0	25.34	24.46	23.76	23.00	22.47	22.06	21.89	21.54	21.07
225.0	23.64	23.00	22.24	21.65	21.19	20.89	20.42	20.07	19.66
270.0	24.76	24.11	23.41	22.47	22.18	21.83	21.42	20.78	19.96
315.0	22.88	22.36	21.95	21.65	21.13	20.66	20.13	19.43	18.61
360.0	23.76	23.58	23.29	22.82	22.24	21.77	21.07	19.78	18.90
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.85	16.97	16.15	15.39	14.57	13.99	13.46	12.99	12.41
45.0	18.26	17.50	16.56	15.57	14.92	14.10	13.52	12.99	12.41
90.0	18.26	17.21	16.44	15.68	15.04	14.16	13.58	12.87	12.41
135.0	19.66	18.90	18.20	17.44	16.50	15.80	15.10	14.28	13.64
180.0	20.66	20.07	19.31	18.55	17.79	16.80	16.09	15.27	14.63
225.0	18.90	17.97	17.26	16.27	15.45	14.81	14.05	13.46	12.93
270.0	19.20	18.32	17.56	16.44	15.57	14.92	14.28	13.40	12.93
315.0	17.67	16.74	15.92	15.27	14.51	13.69	13.17	12.70	12.23
360.0	17.85	16.97	16.15	15.39	14.57	13.99	13.46	12.99	12.41
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.00	11.53	11.18	10.71	10.42	10.01	9.66	9.36	9.01
45.0	11.94	11.47	11.00	10.71	10.36	10.01	9.60	9.31	9.01
90.0	11.94	11.41	11.06	10.71	10.30	9.95	9.66	9.25	8.95
135.0	12.99	12.47	12.00	11.47	11.12	10.77	10.42	10.07	9.71
180.0	13.99	13.34	12.87	12.41	11.94	11.59	11.24	10.89	10.48
225.0	12.47	11.94	11.53	11.12	10.77	10.36	10.07	9.66	9.36
270.0	12.47	12.06	11.47	11.12	10.65	10.24	9.95	9.66	9.25
315.0	11.76	11.35	10.94	10.53	10.12	9.77	9.42	9.13	8.78
360.0	12.00	11.53	11.18	10.71	10.42	10.01	9.66	9.36	9.01
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.84	8.60	8.31	8.08	7.84	7.26	6.96	6.73	6.67
45.0	8.72	8.43	8.13	7.90	7.67	7.32	6.96	6.79	6.61
90.0	8.66	8.43	8.08	7.84	7.67	7.08	6.91	6.73	6.55
135.0	9.36	9.01	8.72	8.43	8.13	7.96	7.37	7.08	6.91
180.0	10.18	9.83	9.48	9.13	8.84	8.31	7.90	7.67	7.43
225.0	9.07	8.78	8.49	8.25	7.78	7.37	7.14	6.96	6.79
270.0	9.01	8.72	8.37	8.13	7.90	7.32	7.02	6.85	6.73
315.0	8.60	8.31	8.08	7.78	7.37	6.96	6.79	6.61	6.61
360.0	8.84	8.60	8.31	8.08	7.84	7.26	6.96	6.73	6.67

Intensity data(cd)

C/γ(°)	90.0
0.0	6.67
45.0	6.55
90.0	6.55
135.0	6.79
180.0	7.14
225.0	6.73
270.0	6.55
315.0	6.55
360.0	6.67