



NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:

LumCAT: 3-2832-L

Luminaire: 92.70.412.00

Report No: 2024302-B010

Ballast type: AC

Test No: 2024302-C010

Voltage(V): 34.130

LampCAT: LUMINUS CXM-14-AC40

Current(A): 0.530

Lamp flux(lm): 2575.0

Power (W): 18.088

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2193.96, Efficiency(%): 85.20% , Luminous Efficacy(lm/W): 121.29

Central intensity(cd): 10701.920, Maximum intensity(cd): 10701.920

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=17.4

[C90/270]Total=17.4

Field angle(10%Imax): [C0/180]Total=50.0

[C90/270]Total=50.0

Maximum s/h(1/2): C0_180=0.30 C90_270=0.30

Maximum s/h(1/4): C0_180=0.35 C90_270=0.35

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.20%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.898%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/02
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	10701.922	0.000	0	0.00%	0.00%
1.0	10585.169	10.185	10.185	0.40%	0.46%
2.0	10270.538	29.934	40.12	1.16%	1.83%
3.0	9786.923	47.971	88.09	1.86%	4.02%
4.0	9139.005	63.351	151.442	2.46%	6.90%
5.0	8376.238	75.350	226.791	2.93%	10.34%
6.0	7562.482	83.762	310.553	3.25%	14.15%
7.0	6723.489	88.673	399.226	3.44%	18.20%
8.0	5879.521	90.197	489.424	3.50%	22.31%
9.0	5108.926	89.055	578.479	3.46%	26.37%
10.0	4490.929	86.875	665.354	3.37%	30.33%
11.0	3968.981	84.532	749.886	3.28%	34.18%
12.0	3497.071	81.615	831.501	3.17%	37.90%
13.0	3145.570	78.831	910.332	3.06%	41.49%
14.0	2832.035	76.513	986.845	2.97%	44.98%
15.0	2580.608	74.307	1061.152	2.89%	48.37%
16.0	2350.322	72.252	1133.404	2.81%	51.66%
17.0	2141.250	69.946	1203.35	2.72%	54.85%
18.0	1967.585	67.746	1271.096	2.63%	57.94%
19.0	1802.113	65.585	1336.681	2.55%	60.93%
20.0	1653.100	63.240	1399.921	2.46%	63.81%
21.0	1504.862	60.639	1460.56	2.35%	66.57%
22.0	1349.865	57.367	1517.927	2.23%	69.19%
23.0	1256.134	54.681	1572.608	2.12%	71.68%
24.0	1167.473	52.989	1625.597	2.06%	74.09%
25.0	1071.510	50.910	1676.506	1.98%	76.41%
26.0	975.087	48.310	1724.816	1.88%	78.62%
27.0	898.745	45.844	1770.66	1.78%	80.71%
28.0	838.957	43.995	1814.655	1.71%	82.71%
29.0	775.694	42.244	1856.899	1.64%	84.64%
30.0	705.650	39.996	1896.895	1.55%	86.46%
31.0	610.843	36.636	1933.531	1.42%	88.13%
32.0	519.358	32.379	1965.91	1.26%	89.61%
33.0	419.540	27.660	1993.57	1.07%	90.87%
34.0	329.606	22.671	2016.241	0.88%	91.90%
35.0	258.179	18.254	2034.496	0.71%	92.73%
36.0	191.178	14.308	2048.804	0.56%	93.38%
37.0	134.704	10.628	2059.432	0.41%	93.87%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	97.945	7.766	2067.197	0.30%	94.22%
39.0	76.906	5.968	2073.166	0.23%	94.49%
40.0	71.127	5.163	2078.328	0.20%	94.73%
41.0	66.065	4.885	2083.214	0.19%	94.95%
42.0	61.412	4.631	2087.845	0.18%	95.16%
43.0	57.228	4.395	2092.24	0.17%	95.36%
44.0	53.629	4.184	2096.424	0.16%	95.55%
45.0	50.205	3.990	2100.414	0.15%	95.74%
46.0	47.235	3.811	2104.225	0.15%	95.91%
47.0	44.455	3.647	2107.872	0.14%	96.08%
48.0	42.165	3.502	2111.374	0.14%	96.24%
49.0	40.132	3.380	2114.753	0.13%	96.39%
50.0	38.566	3.281	2118.034	0.13%	96.54%
51.0	37.133	3.203	2121.237	0.12%	96.69%
52.0	36.064	3.141	2124.378	0.12%	96.83%
53.0	35.040	3.093	2127.471	0.12%	96.97%
54.0	34.287	3.056	2130.527	0.12%	97.11%
55.0	33.453	3.024	2133.55	0.12%	97.25%
56.0	32.670	2.988	2136.538	0.12%	97.38%
57.0	31.675	2.942	2139.48	0.11%	97.52%
58.0	30.578	2.879	2142.359	0.11%	97.65%
59.0	29.225	2.796	2145.155	0.11%	97.78%
60.0	27.864	2.697	2147.852	0.10%	97.90%
61.0	26.225	2.581	2150.433	0.10%	98.02%
62.0	24.550	2.447	2152.88	0.10%	98.13%
63.0	22.985	2.312	2155.192	0.09%	98.23%
64.0	21.331	2.175	2157.366	0.08%	98.33%
65.0	19.978	2.044	2159.411	0.08%	98.43%
66.0	18.698	1.930	2161.341	0.07%	98.51%
67.0	17.608	1.826	2163.166	0.07%	98.60%
68.0	16.752	1.741	2164.907	0.07%	98.68%
69.0	15.991	1.670	2166.577	0.06%	98.75%
70.0	15.457	1.615	2168.192	0.06%	98.83%
71.0	14.989	1.574	2169.766	0.06%	98.90%
72.0	14.550	1.536	2171.302	0.06%	98.97%
73.0	14.206	1.504	2172.806	0.06%	99.04%
74.0	13.877	1.476	2174.282	0.06%	99.10%
75.0	13.504	1.447	2175.729	0.06%	99.17%

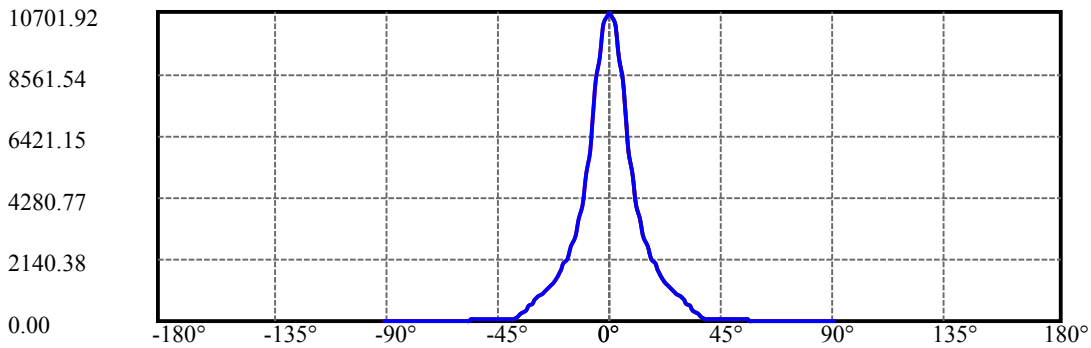
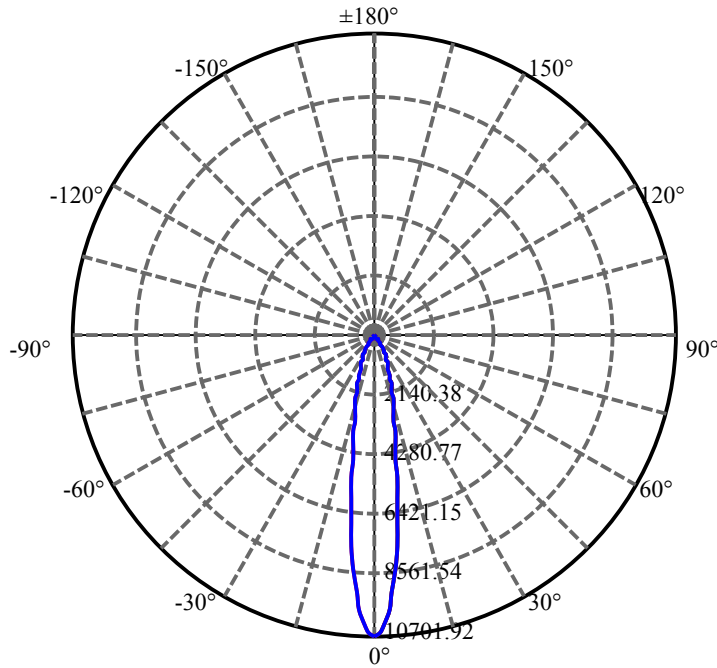
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.160	1.415	2177.144	0.05%	99.23%
77.0	12.875	1.388	2178.532	0.05%	99.30%
78.0	12.612	1.364	2179.897	0.05%	99.36%
79.0	12.326	1.340	2181.236	0.05%	99.42%
80.0	11.975	1.310	2182.547	0.05%	99.48%
81.0	11.609	1.275	2183.822	0.05%	99.54%
82.0	11.309	1.243	2185.065	0.05%	99.59%
83.0	10.900	1.207	2186.272	0.05%	99.65%
84.0	10.600	1.171	2187.443	0.05%	99.70%
85.0	10.307	1.141	2188.585	0.04%	99.75%
86.0	10.095	1.115	2189.7	0.04%	99.81%
87.0	9.883	1.093	2190.793	0.04%	99.86%
88.0	9.671	1.071	2191.864	0.04%	99.90%
89.0	9.539	1.053	2192.917	0.04%	99.95%
90.0	9.525	1.045	2193.962	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1896.89	73.67%	86.46%
0-40	2078.33	80.71%	94.73%
0-60	2147.85	83.41%	97.90%
0-90	2192.92	85.16%	99.95%
0-120	2192.92	85.16%	99.95%
0-180	2193.96	85.20%	100.00%
60-90	45.07	1.75%	2.05%
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%
0-26.66	1755.17	68.16%	80.00%

ZONAL LUMEN SUMMARY

0-10	665.35
10-20	734.57
20-30	496.97
30-40	181.43
40-50	39.71
50-60	29.82
60-70	20.34
70-80	14.35
80-90	10.37
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



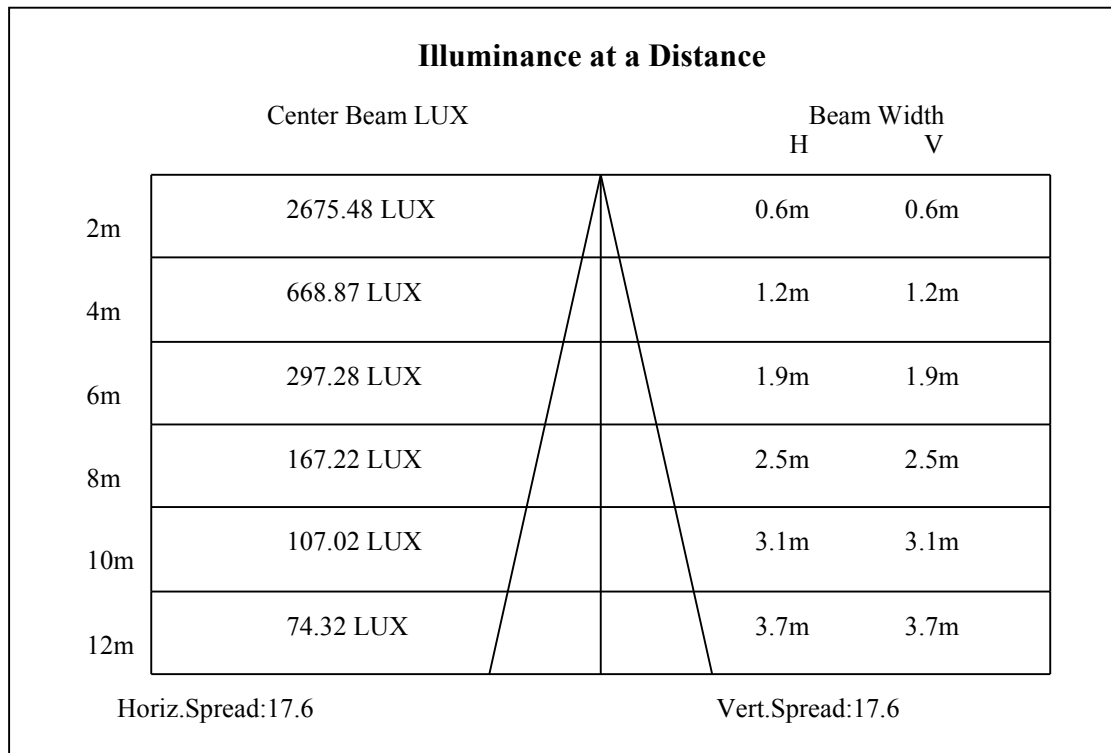
C0(Max): —————

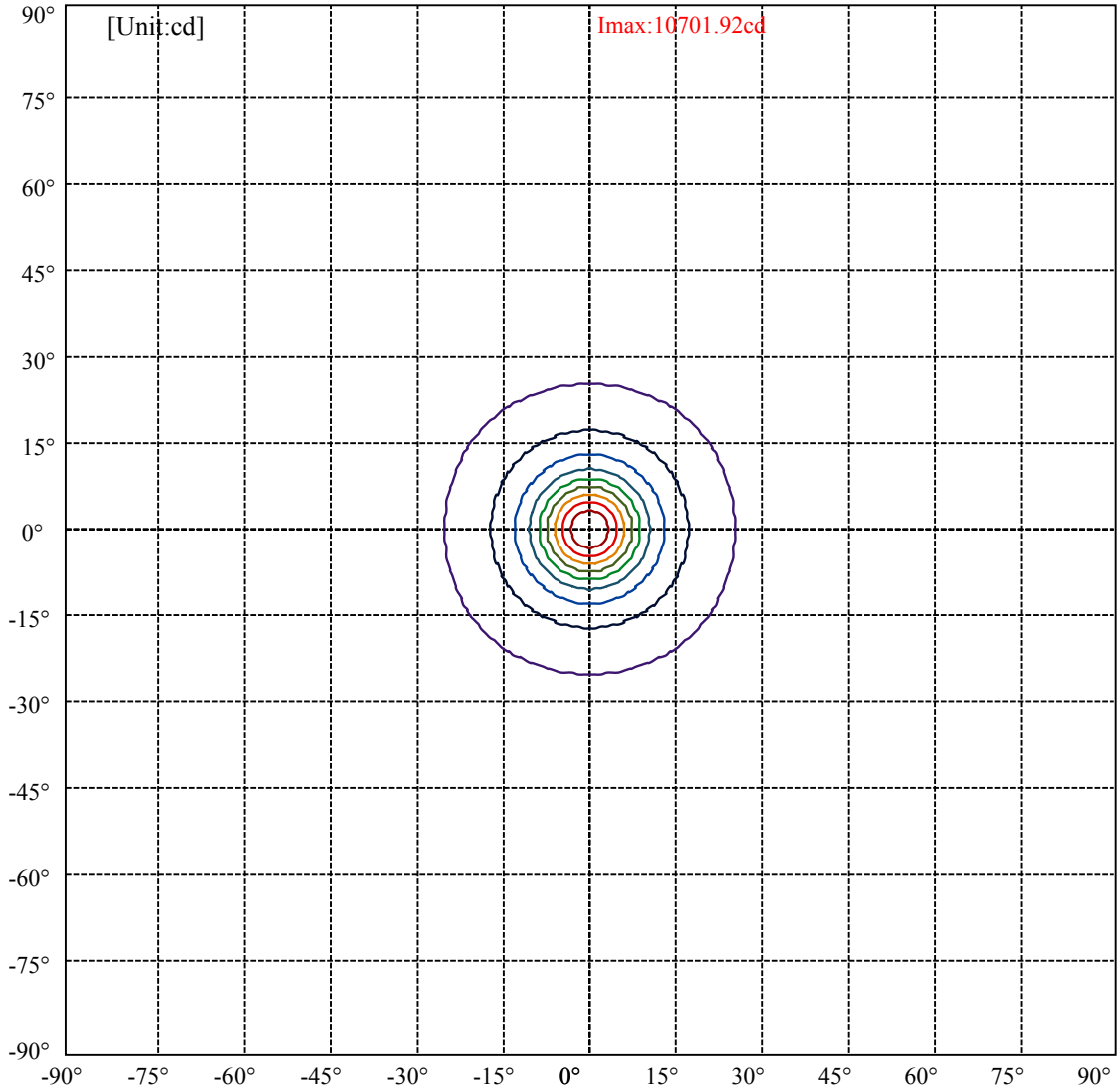
C0/C180: —————

C90/C270: —————

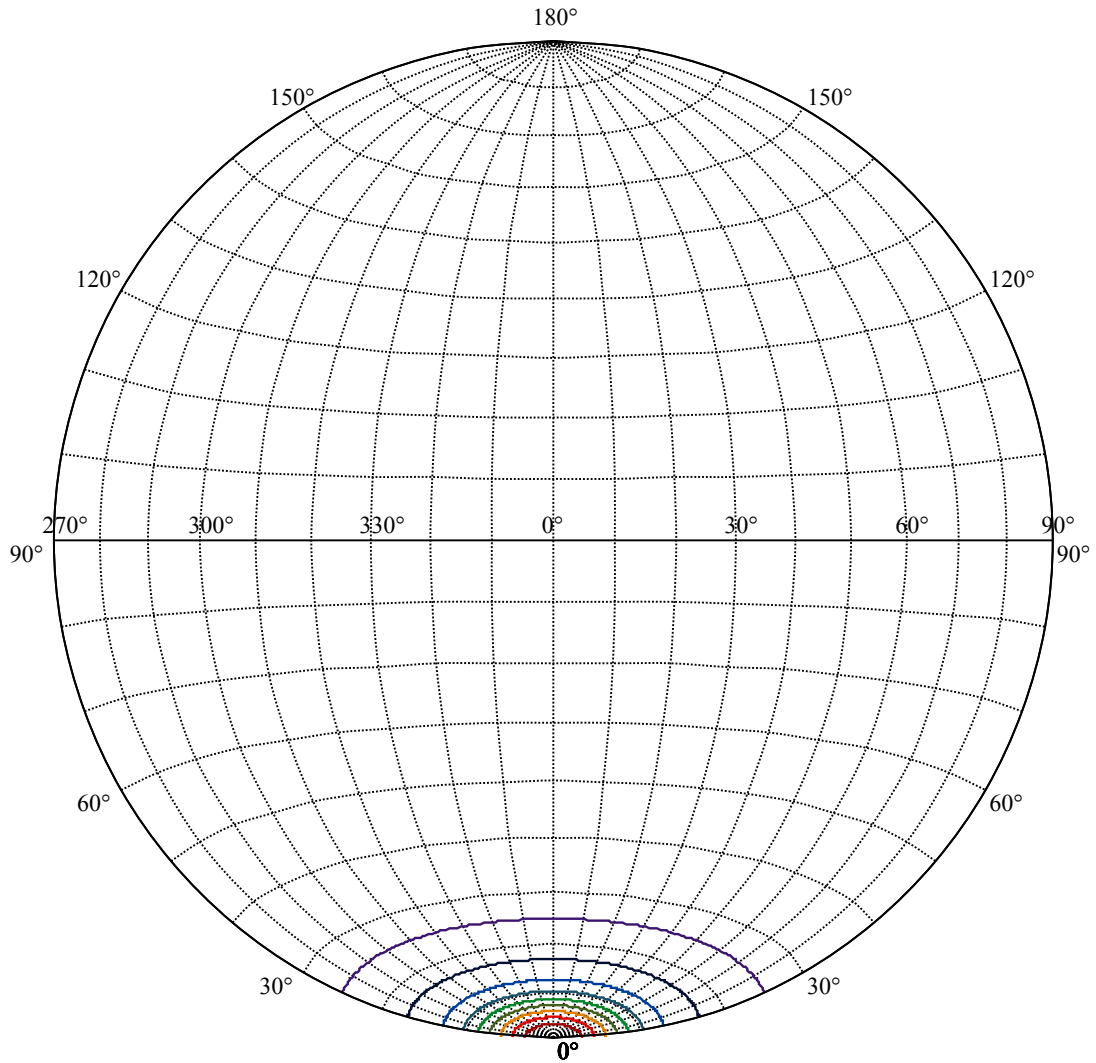
Field angle(10%Imax):C0/180Left:25.0 Right:25.0
:C90/270Left:25.0 Right:25.0

Beam Angle(50%Imax):C0/180Left:8.7 Right:8.7
:C90/270Left:8.7 Right:8.7





(10%Imax) 1070.19	—
(20%Imax) 2140.38	—
(30%Imax) 3210.58	—
(40%Imax) 4280.77	—
(50%Imax) 5350.96	—
(60%Imax) 6421.15	—
(70%Imax) 7491.35	—
(80%Imax) 8561.54	—
(90%Imax) 9631.73	—



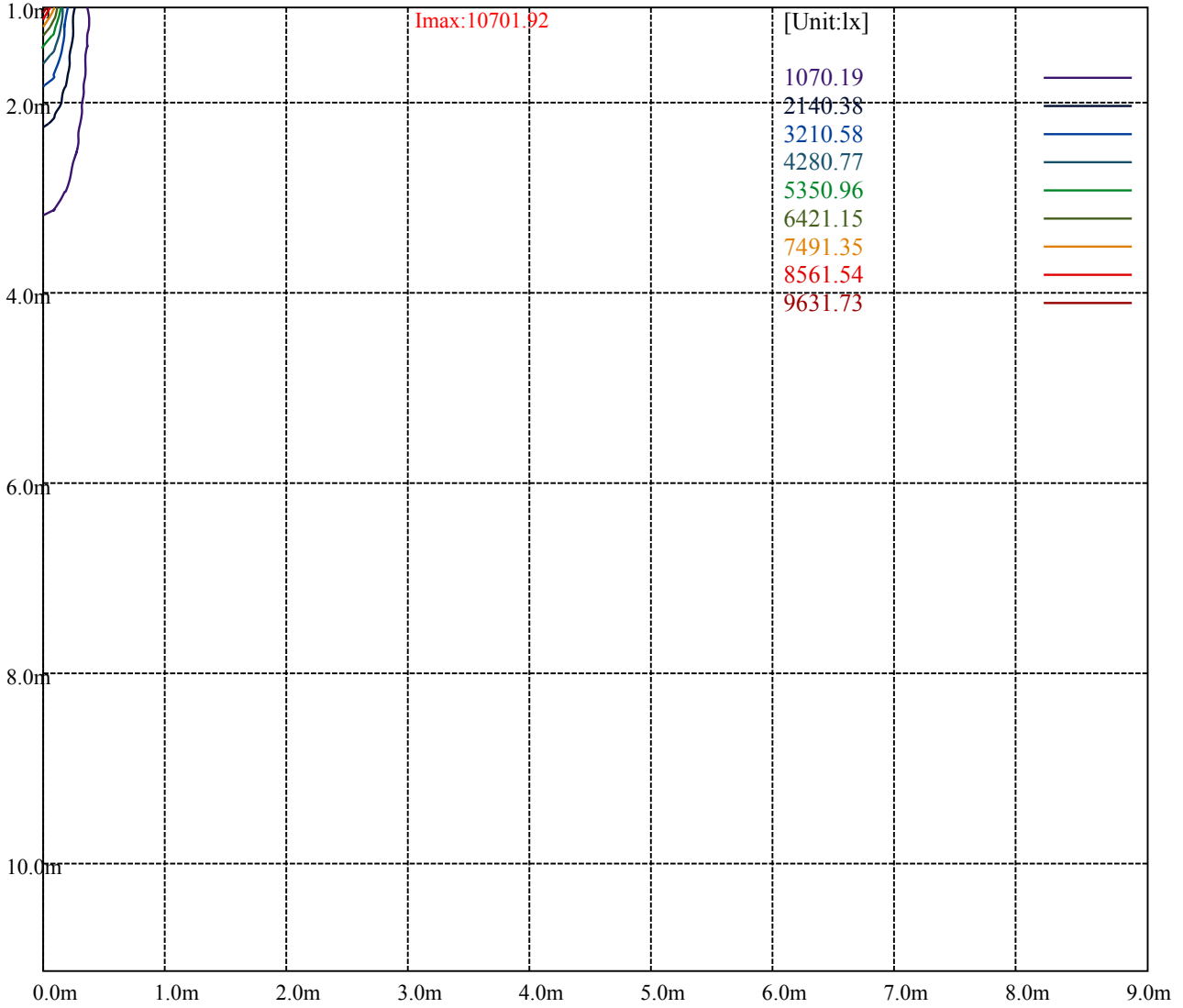
House

[Unit:cd]

Road

Imax:10701.92

(10%Imax)	1070.19	—
(20%Imax)	2140.38	—
(30%Imax)	3210.58	—
(40%Imax)	4280.77	—
(50%Imax)	5350.96	—
(60%Imax)	6421.15	—
(70%Imax)	7491.35	—
(80%Imax)	8561.54	—
(90%Imax)	9631.73	—



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

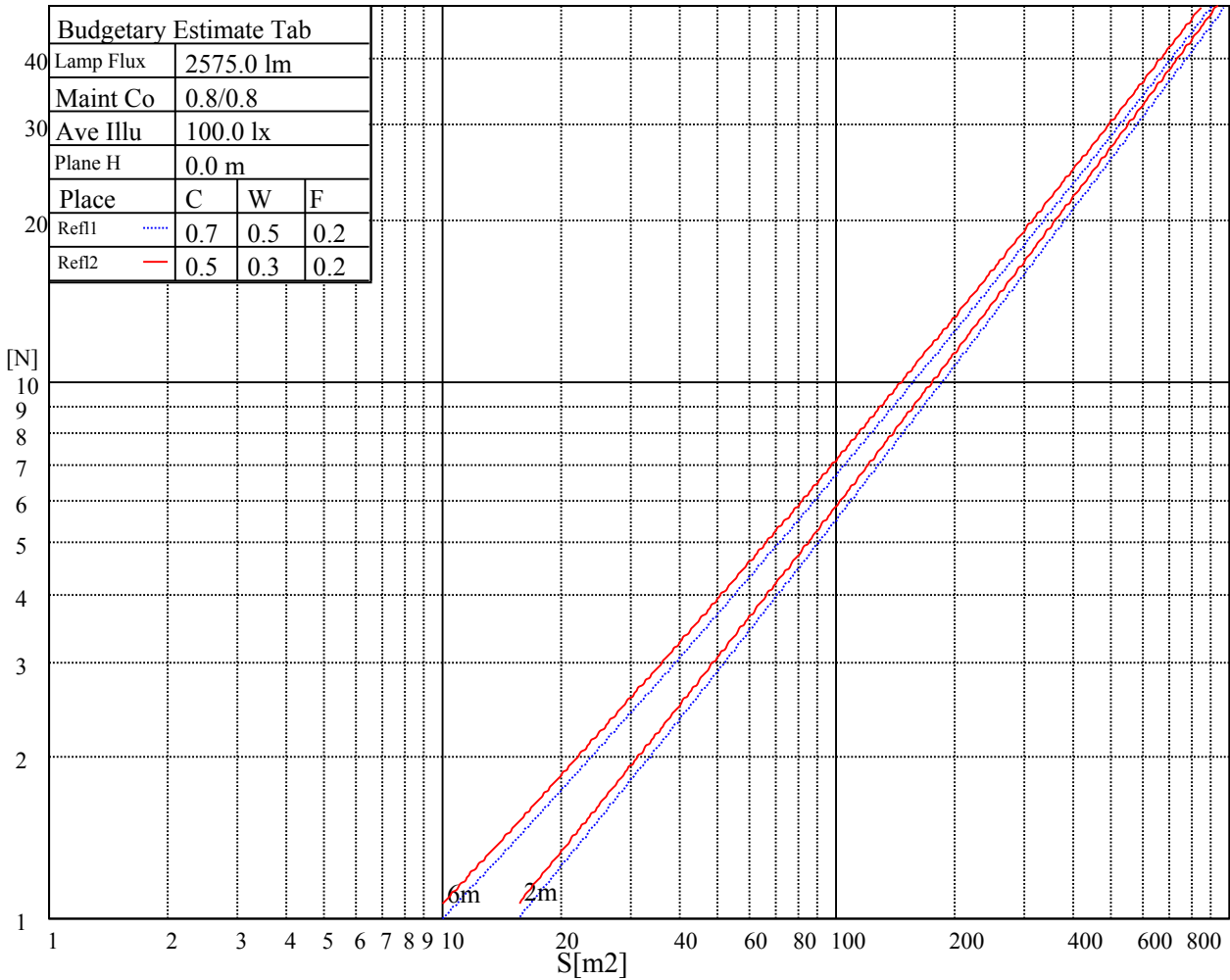
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

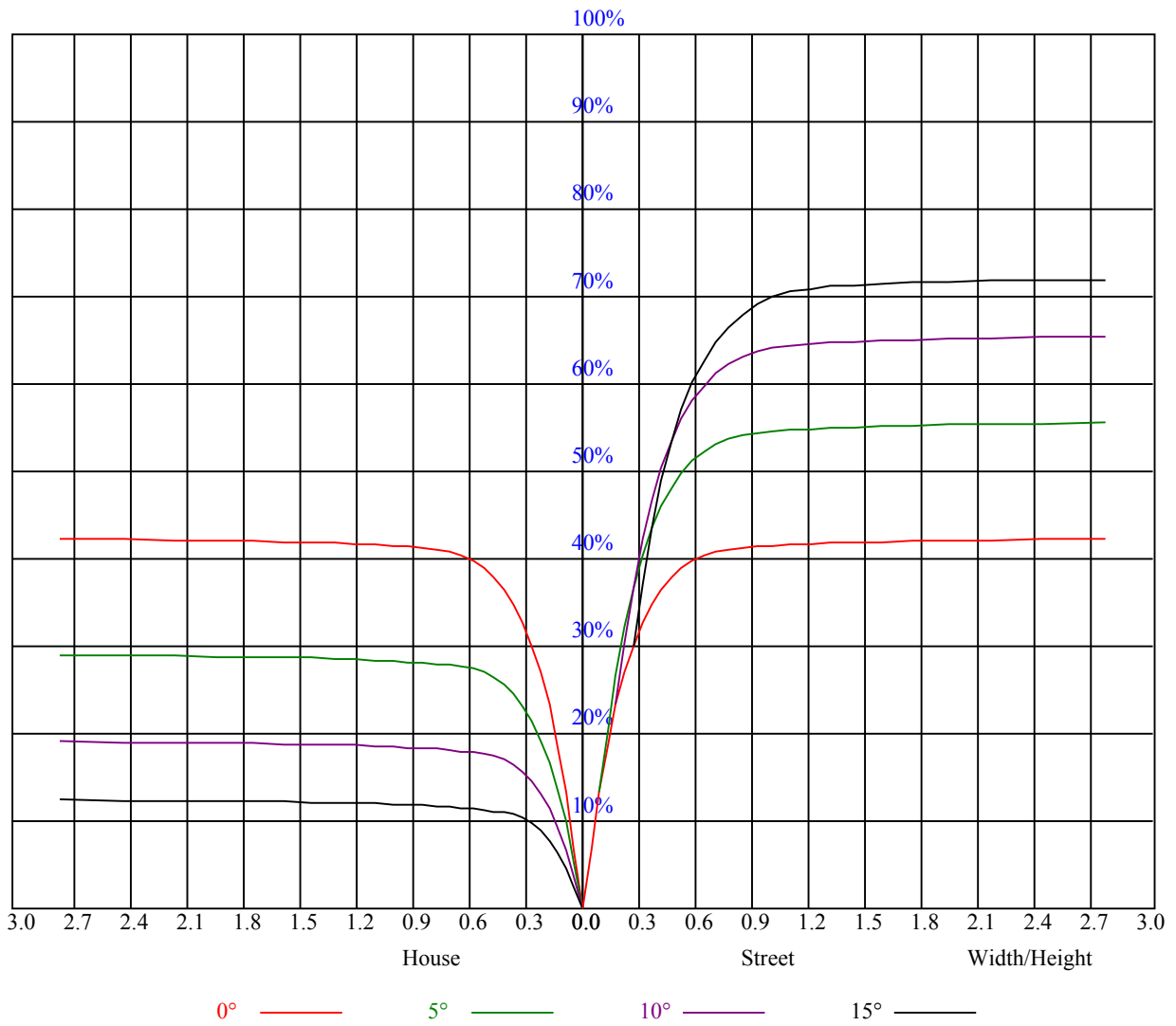


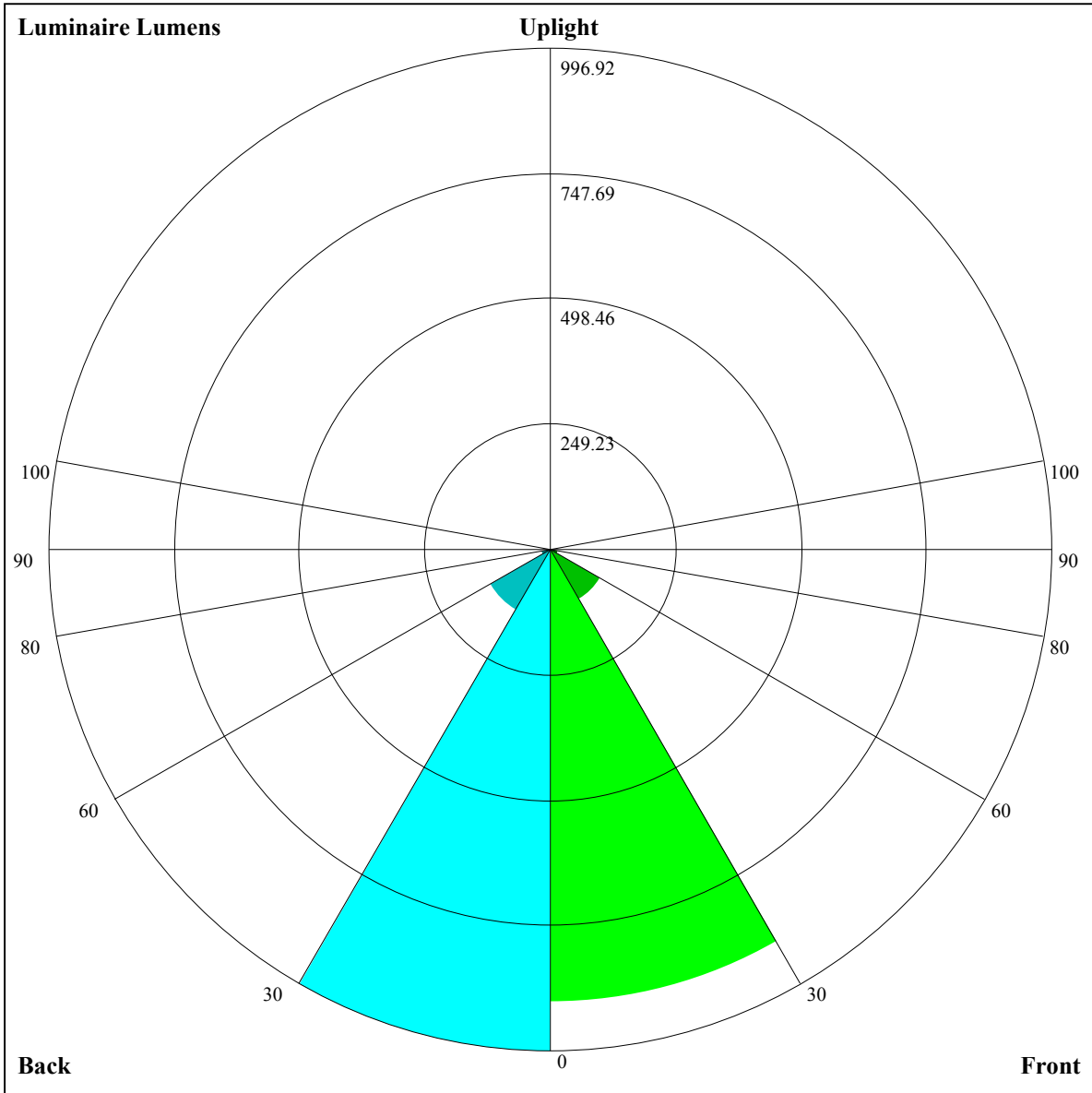
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1.01	1.01	1.01	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.85
1	0.95	0.93	0.92	0.93	0.92	0.90	0.90	0.89	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.90	0.87	0.84	0.88	0.86	0.83	0.86	0.83	0.82	0.83	0.81	0.80	0.81	0.79	0.78	0.77
3	0.85	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.78	0.76	0.75	0.73
4	0.81	0.77	0.74	0.80	0.77	0.74	0.78	0.75	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	0.73	0.70	0.77	0.73	0.70	0.75	0.72	0.70	0.74	0.71	0.69	0.73	0.70	0.68	0.67
6	0.74	0.70	0.67	0.74	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.70	0.68	0.66	0.65
7	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
8	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60
9	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.56





Luminaire Lumens:

FL=901.1,FM=115.16,FH=17.07,FVH=5.67

BL=996.92,BM=137.87,BH=17.65,BVH=5.76

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	10443.40	9848.22	9238.42	8519.76	7523.13	6724.88	5933.65	5191.59	4404.46
45.0	10788.10	10576.83	10198.19	9662.71	8822.33	8069.14	7270.31	6469.14	5502.34
90.0	10734.84	10467.39	9902.65	9286.41	8568.92	7589.26	6787.50	5797.88	5066.35
135.0	10841.35	10821.45	10623.65	10120.35	9541.57	8838.71	7878.36	7076.60	6083.47
180.0	10443.40	10724.89	10821.45	10673.98	10356.20	9735.86	9090.94	8351.22	7534.83
225.0	10788.10	10751.81	10446.32	10010.92	9422.77	8553.12	7770.68	6951.36	6134.97
270.0	10734.84	10822.62	10724.31	10350.93	9859.93	9233.74	8514.50	7527.81	6686.84
315.0	10841.35	10668.13	10209.31	9670.32	9017.21	8265.19	7253.92	6422.32	5622.90
360.0	10443.40	9848.22	9238.42	8519.76	7523.13	6724.88	5933.65	5191.59	4404.46
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3916.38	3518.43	3186.61	2837.23	2599.63	2342.71	2156.03	1986.90	1803.14
45.0	4812.36	4244.11	3794.66	3329.99	3020.40	2756.47	2469.71	2266.05	2085.22
90.0	4453.04	3848.50	3454.64	3122.23	2844.25	2539.35	2325.74	2133.79	1966.41
135.0	5337.90	4682.44	4147.55	3605.04	3248.06	2942.57	2676.88	2383.68	2185.29
180.0	6528.83	5752.24	5025.97	4405.05	3792.32	3410.16	3085.95	2808.55	2496.63
225.0	5186.91	4543.16	4027.58	3607.39	3264.44	2903.36	2653.47	2432.25	2189.97
270.0	5890.93	5156.48	4385.73	3790.56	3410.75	3092.97	2826.11	2534.08	2320.48
315.0	4745.06	4182.08	3729.11	3279.07	2984.71	2668.68	2450.98	2257.27	2082.87
360.0	3916.38	3518.43	3186.61	2837.23	2599.63	2342.71	2156.03	1986.90	1803.14
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1671.46	1549.73	1437.96	1145.11	1145.11	1091.68	987.51	912.07	845.06
45.0	1887.99	1748.71	1591.87	1476.00	1370.07	1264.73	1137.15	1032.40	940.52
90.0	1818.94	1648.64	1528.67	1391.72	1150.55	1150.55	1046.27	951.28	885.04
135.0	2012.06	1859.32	1689.60	1567.88	1430.35	1327.93	1223.76	1093.26	992.01
180.0	2301.75	2067.66	1896.77	1753.98	1595.97	1480.09	1372.41	1267.66	1136.57
225.0	2014.99	1817.18	1680.24	1556.76	1416.30	1154.71	1154.71	1103.32	1002.49
270.0	2146.08	1982.80	1787.34	1654.49	1532.76	1421.57	1285.80	1183.97	1076.29
315.0	1887.41	1742.86	1612.35	1492.97	1157.81	1157.81	1132.18	1028.12	922.72
360.0	1671.46	1549.73	1437.96	1145.11	1145.11	1091.68	987.51	912.07	845.06
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	796.26	708.82	624.32	533.14	416.27	324.62	238.95	146.60	97.97
45.0	879.65	834.00	763.19	686.53	577.09	484.04	392.16	302.03	302.03
90.0	827.16	777.35	708.41	626.83	512.07	418.38	328.49	244.27	152.39
135.0	920.03	868.53	814.11	747.39	666.63	579.43	463.56	371.09	305.55
180.0	1036.49	950.46	892.53	840.44	791.87	716.37	602.84	512.13	419.08
225.0	909.32	856.54	814.93	754.82	653.70	564.22	448.46	358.80	272.83
270.0	957.49	893.11	836.35	779.58	704.08	595.82	502.18	409.13	320.18
315.0	863.56	822.83	751.72	676.46	565.03	471.98	379.69	292.79	195.41
360.0	796.26	708.82	624.32	533.14	416.27	324.62	238.95	146.60	97.97
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	81.81	75.96	69.99	65.95	61.51	58.00	53.49	50.45	47.40
45.0	127.93	84.92	77.48	71.92	67.89	62.38	58.52	55.13	51.79
90.0	101.77	81.93	73.91	69.12	63.85	59.52	56.12	51.91	48.75
135.0	305.55	117.57	88.60	79.53	74.15	68.41	63.50	59.63	55.54
180.0	303.79	303.79	201.49	89.71	79.18	73.04	67.59	63.20	59.22
225.0	177.67	117.92	88.25	78.89	73.27	68.76	63.97	58.99	55.07
270.0	297.35	198.98	97.91	82.17	76.02	70.23	65.95	60.51	56.88
315.0	133.55	96.56	85.91	77.95	73.15	68.18	62.15	58.00	54.37
360.0	81.81	75.96	69.99	65.95	61.51	58.00	53.49	50.45	47.40

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	44.36	42.37	40.03	38.80	37.45	36.52	35.17	34.59	33.94
45.0	47.99	45.65	43.37	40.97	39.27	38.04	36.69	35.76	34.82
90.0	46.12	43.60	41.61	39.39	37.98	36.64	35.76	34.70	34.12
135.0	52.32	48.52	45.71	43.31	40.50	38.92	37.34	36.40	35.00
180.0	55.54	52.44	48.40	45.82	43.42	40.91	39.15	37.86	36.28
225.0	51.85	48.57	45.24	43.01	40.56	38.98	37.57	36.17	35.41
270.0	53.26	49.22	46.58	43.95	41.67	39.68	38.33	36.99	35.70
315.0	50.21	47.52	44.71	42.08	40.20	38.86	37.04	36.05	35.05
360.0	44.36	42.37	40.03	38.80	37.45	36.52	35.17	34.59	33.94
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	33.53	32.19	31.31	30.20	28.79	27.04	25.22	23.47	21.83
45.0	34.00	33.30	32.71	31.66	30.43	28.85	27.80	25.93	24.23
90.0	33.07	32.42	31.37	30.31	28.73	27.74	26.22	24.46	22.88
135.0	34.41	33.53	32.89	31.84	30.43	29.26	28.03	26.57	24.70
180.0	35.35	34.53	33.71	32.95	32.30	31.13	30.08	28.62	27.39
225.0	34.70	33.71	33.01	32.07	31.37	29.73	28.44	26.98	25.22
270.0	34.88	34.29	33.47	32.66	31.60	30.96	29.03	28.03	25.69
315.0	34.35	33.65	32.89	31.72	30.96	29.09	28.09	25.75	24.46
360.0	33.53	32.19	31.31	30.20	28.79	27.04	25.22	23.47	21.83
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.60	18.90	18.02	16.97	16.21	15.63	15.16	14.75	14.40
45.0	22.53	21.07	19.49	18.55	17.38	16.68	16.09	15.57	15.04
90.0	21.48	19.96	18.73	17.85	16.91	16.09	15.51	15.16	14.63
135.0	23.00	21.54	20.37	18.61	17.79	16.85	15.98	15.45	14.98
180.0	25.22	23.99	22.06	21.07	19.02	18.08	16.85	16.15	15.57
225.0	23.99	21.71	20.60	18.73	17.91	16.91	16.09	15.57	15.16
270.0	24.35	22.59	21.07	19.37	18.20	17.32	16.44	15.68	15.22
315.0	22.71	20.89	19.49	18.43	17.44	16.44	15.80	15.33	14.92
360.0	20.60	18.90	18.02	16.97	16.21	15.63	15.16	14.75	14.40
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.99	13.75	13.46	12.99	12.82	12.58	12.41	12.11	11.47
45.0	14.63	14.34	13.99	13.58	13.34	13.05	12.93	12.99	12.58
90.0	14.28	13.93	13.58	13.17	12.82	12.41	12.11	11.76	11.47
135.0	14.46	14.10	13.81	13.40	13.05	12.87	12.52	12.11	11.88
180.0	15.10	14.63	14.28	13.99	13.58	13.23	12.99	12.64	12.29
225.0	14.63	14.34	13.99	13.69	13.28	12.99	12.76	12.47	12.23
270.0	14.86	14.46	14.05	13.75	13.34	13.11	12.76	12.41	12.11
315.0	14.46	14.10	13.87	13.46	13.05	12.76	12.41	12.11	11.76
360.0	13.99	13.75	13.46	12.99	12.82	12.58	12.41	12.11	11.47
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.00	10.71	10.42	10.18	9.95	9.77	9.60	9.48	9.42
45.0	11.65	11.24	10.77	10.53	10.24	10.01	9.77	9.54	9.48
90.0	11.12	10.83	10.53	10.30	10.07	9.89	9.71	9.60	9.48
135.0	11.59	11.24	10.94	10.59	10.30	10.07	9.89	9.66	9.48
180.0	12.00	11.76	11.53	11.06	10.71	10.42	10.18	9.89	9.77
225.0	12.29	11.88	11.06	10.71	10.36	10.18	9.95	9.71	9.54
270.0	11.76	11.65	11.12	10.83	10.48	10.30	10.07	9.83	9.66
315.0	11.47	11.18	10.83	10.59	10.36	10.12	9.89	9.66	9.48
360.0	11.00	10.71	10.42	10.18	9.95	9.77	9.60	9.48	9.42

Intensity data(cd)

C/γ(°)	90.0
0.0	9.54
45.0	9.54
90.0	9.54
135.0	9.48
180.0	9.60
225.0	9.48
270.0	9.54
315.0	9.48
360.0	9.54