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Nata

Client:

LumCAT: 2-2748-L

Luminaire: 92.70.412.00

Report No: 2024820-B012

Ballast type: AC

Test No: 2024820-C012

Voltage(V): 34.870

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.362

Lamp flux(lm): 2137.0

Power (W): 12.620

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1983.16, Efficiency(%): 92.80% , Luminous Efficacy(lm/W): 157.14

Central intensity(cd): 9047.491, Maximum intensity(cd): 9047.491

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=19.6

[C90/270]Total=19.6

Field angle(10%Imax): [C0/180]Total=51.4

[C90/270]Total=51.4

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

Maximum s/h(1/4): C0_180=0.37 C90_270=0.37

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.80%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.941%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/20
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9047.491	0.000	0	0.00%	0.00%
1.0	8999.659	8.635	8.635	0.40%	0.44%
2.0	8788.279	25.531	34.166	1.19%	1.72%
3.0	8478.916	41.297	75.464	1.93%	3.81%
4.0	8119.691	55.561	131.024	2.60%	6.61%
5.0	7568.862	67.491	198.516	3.16%	10.01%
6.0	6993.381	76.528	275.044	3.58%	13.87%
7.0	6343.729	82.783	357.827	3.87%	18.04%
8.0	5676.454	86.026	443.854	4.03%	22.38%
9.0	5022.833	86.712	530.566	4.06%	26.75%
10.0	4412.747	85.389	615.954	4.00%	31.06%
11.0	3865.611	82.718	698.672	3.87%	35.23%
12.0	3385.406	79.264	777.936	3.71%	39.23%
13.0	2981.260	75.556	853.492	3.54%	43.04%
14.0	2640.411	71.957	925.449	3.37%	46.67%
15.0	2352.632	68.547	993.996	3.21%	50.12%
16.0	2112.566	65.428	1059.423	3.06%	53.42%
17.0	1909.550	62.635	1122.059	2.93%	56.58%
18.0	1743.018	60.223	1182.281	2.82%	59.62%
19.0	1605.686	58.261	1240.542	2.73%	62.55%
20.0	1453.025	55.983	1296.525	2.62%	65.38%
21.0	1317.939	53.208	1349.733	2.49%	68.06%
22.0	1237.433	51.351	1401.084	2.40%	70.65%
23.0	1132.709	49.732	1450.816	2.33%	73.16%
24.0	1053.904	47.807	1498.624	2.24%	75.57%
25.0	969.647	46.011	1544.635	2.15%	77.89%
26.0	883.076	43.734	1588.368	2.05%	80.09%
27.0	798.983	41.152	1629.52	1.93%	82.17%
28.0	716.190	38.361	1667.881	1.80%	84.10%
29.0	634.725	35.344	1703.225	1.65%	85.88%
30.0	553.227	32.074	1735.3	1.50%	87.50%
31.0	475.625	28.631	1763.931	1.34%	88.95%
32.0	403.417	25.184	1789.115	1.18%	90.22%
33.0	339.560	21.888	1811.003	1.02%	91.32%
34.0	290.625	19.071	1830.074	0.89%	92.28%
35.0	251.209	16.827	1846.902	0.79%	93.13%
36.0	212.215	14.756	1861.657	0.69%	93.87%
37.0	188.627	13.073	1874.73	0.61%	94.53%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	146.005	11.170	1885.9	0.52%	95.10%
39.0	124.586	9.236	1895.136	0.43%	95.56%
40.0	103.266	7.947	1903.083	0.37%	95.96%
41.0	86.623	6.762	1909.844	0.32%	96.30%
42.0	73.436	5.815	1915.66	0.27%	96.60%
43.0	62.057	5.019	1920.679	0.23%	96.85%
44.0	52.635	4.329	1925.007	0.20%	97.07%
45.0	45.145	3.758	1928.765	0.18%	97.26%
46.0	39.264	3.301	1932.066	0.15%	97.42%
47.0	34.750	2.944	1935.01	0.14%	97.57%
48.0	31.242	2.668	1937.678	0.12%	97.71%
49.0	28.463	2.452	1940.13	0.11%	97.83%
50.0	26.242	2.281	1942.41	0.11%	97.95%
51.0	24.606	2.151	1944.562	0.10%	98.05%
52.0	23.318	2.056	1946.618	0.10%	98.16%
53.0	22.339	1.986	1948.604	0.09%	98.26%
54.0	21.800	1.945	1950.55	0.09%	98.36%
55.0	21.367	1.927	1952.477	0.09%	98.45%
56.0	21.150	1.921	1954.398	0.09%	98.55%
57.0	21.084	1.931	1956.329	0.09%	98.65%
58.0	20.946	1.944	1958.272	0.09%	98.75%
59.0	20.670	1.946	1960.218	0.09%	98.84%
60.0	20.204	1.931	1962.149	0.09%	98.94%
61.0	19.356	1.888	1964.037	0.09%	99.04%
62.0	18.049	1.802	1965.839	0.08%	99.13%
63.0	16.616	1.686	1967.525	0.08%	99.21%
64.0	14.921	1.548	1969.073	0.07%	99.29%
65.0	13.206	1.392	1970.465	0.07%	99.36%
66.0	11.675	1.241	1971.706	0.06%	99.42%
67.0	10.329	1.106	1972.813	0.05%	99.48%
68.0	9.212	0.990	1973.802	0.05%	99.53%
69.0	8.298	0.893	1974.696	0.04%	99.57%
70.0	7.582	0.816	1975.511	0.04%	99.61%
71.0	6.984	0.753	1976.264	0.04%	99.65%
72.0	6.452	0.699	1976.963	0.03%	99.69%
73.0	5.999	0.651	1977.614	0.03%	99.72%
74.0	5.591	0.609	1978.223	0.03%	99.75%
75.0	5.223	0.571	1978.795	0.03%	99.78%

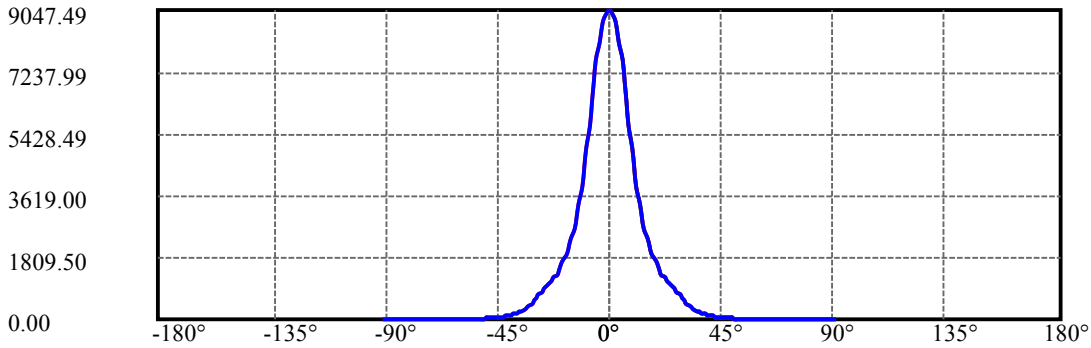
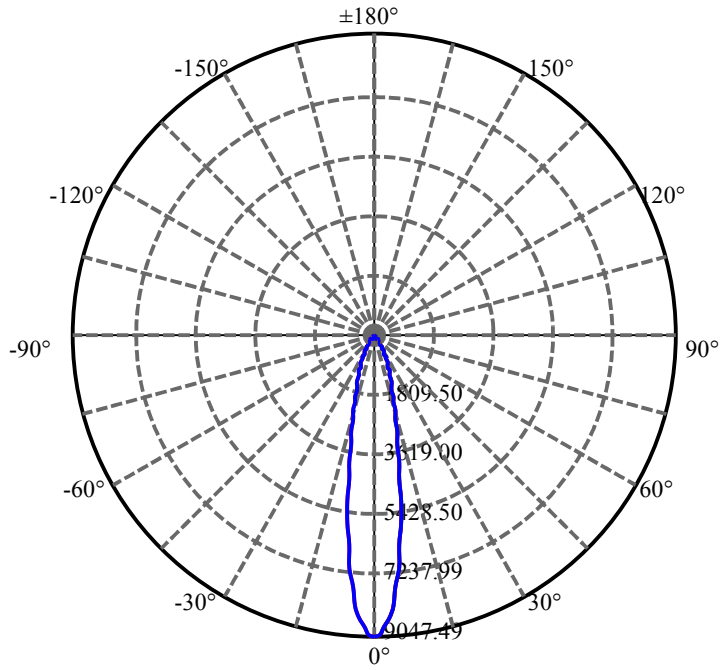
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.882	0.536	1979.331	0.03%	99.81%
77.0	4.540	0.502	1979.833	0.02%	99.83%
78.0	4.185	0.467	1980.3	0.02%	99.86%
79.0	3.844	0.431	1980.732	0.02%	99.88%
80.0	3.469	0.394	1981.126	0.02%	99.90%
81.0	3.095	0.355	1981.481	0.02%	99.92%
82.0	2.727	0.316	1981.797	0.01%	99.93%
83.0	2.385	0.278	1982.075	0.01%	99.95%
84.0	2.037	0.241	1982.316	0.01%	99.96%
85.0	1.721	0.205	1982.521	0.01%	99.97%
86.0	1.465	0.174	1982.695	0.01%	99.98%
87.0	1.242	0.148	1982.843	0.01%	99.98%
88.0	1.018	0.124	1982.967	0.01%	99.99%
89.0	0.841	0.102	1983.069	0.00%	100.00%
90.0	0.756	0.088	1983.156	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1735.30	81.20%	87.50%
0-40	1903.08	89.05%	95.96%
0-60	1962.15	91.82%	98.94%
0-90	1983.07	92.80%	100.00%
0-120	1983.07	92.80%	100.00%
0-180	1983.16	92.80%	100.00%
60-90	20.92	0.98%	1.05%
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%
0-25.96	1586.53	74.24%	80.00%

ZONAL LUMEN SUMMARY

0-10	615.95
10-20	680.57
20-30	438.77
30-40	167.78
40-50	39.33
50-60	19.74
60-70	13.36
70-80	5.61
80-90	1.94
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



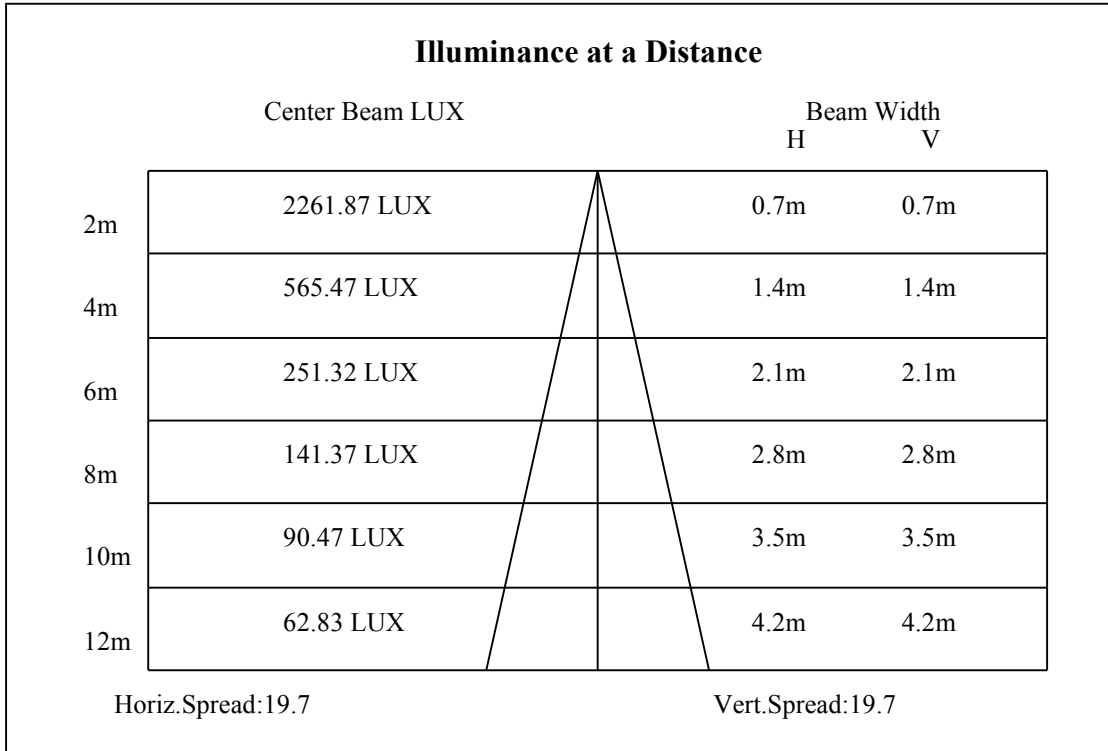
C0(Max): ———

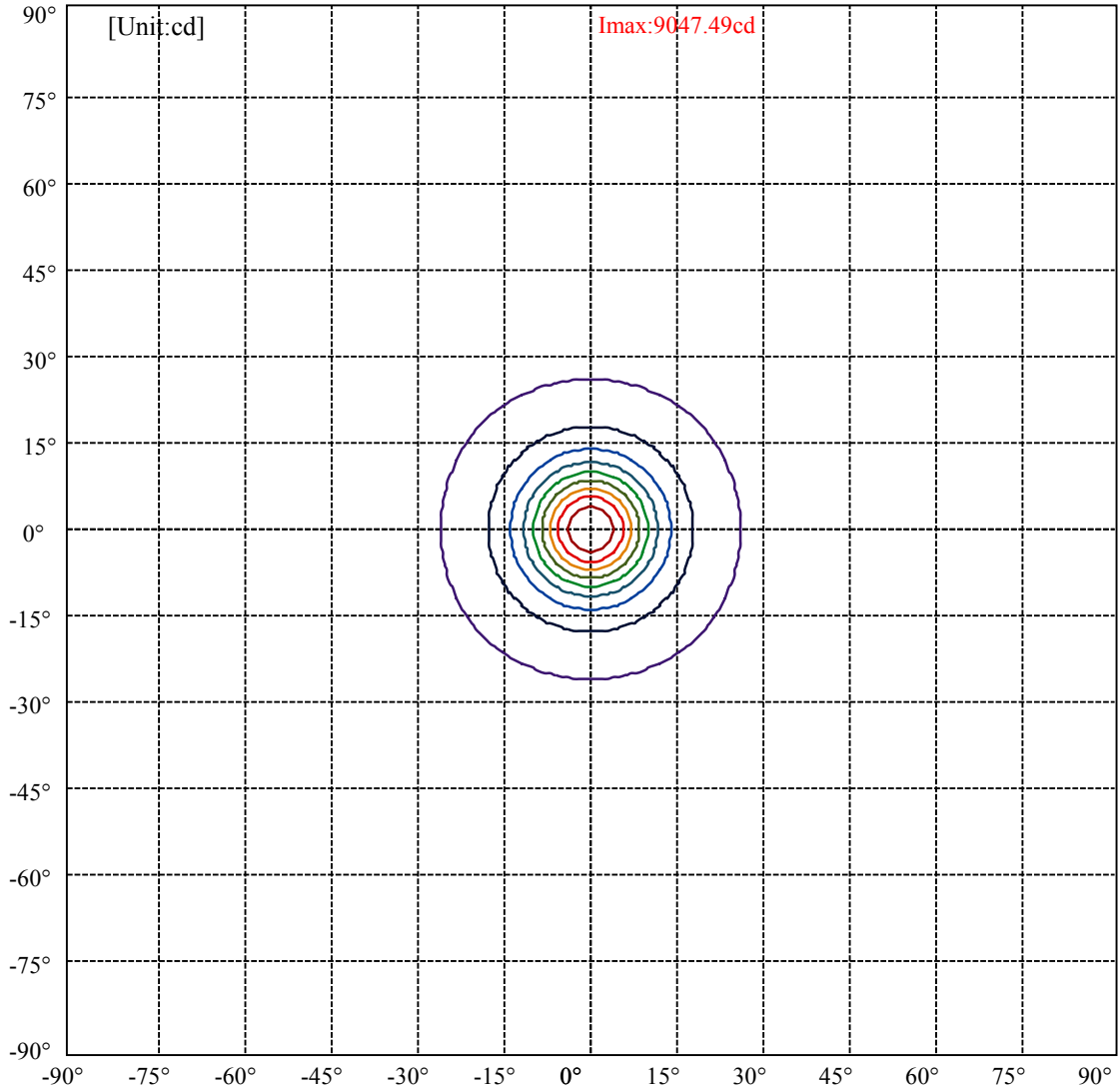
C0/C180: ———

C90/C270: ———

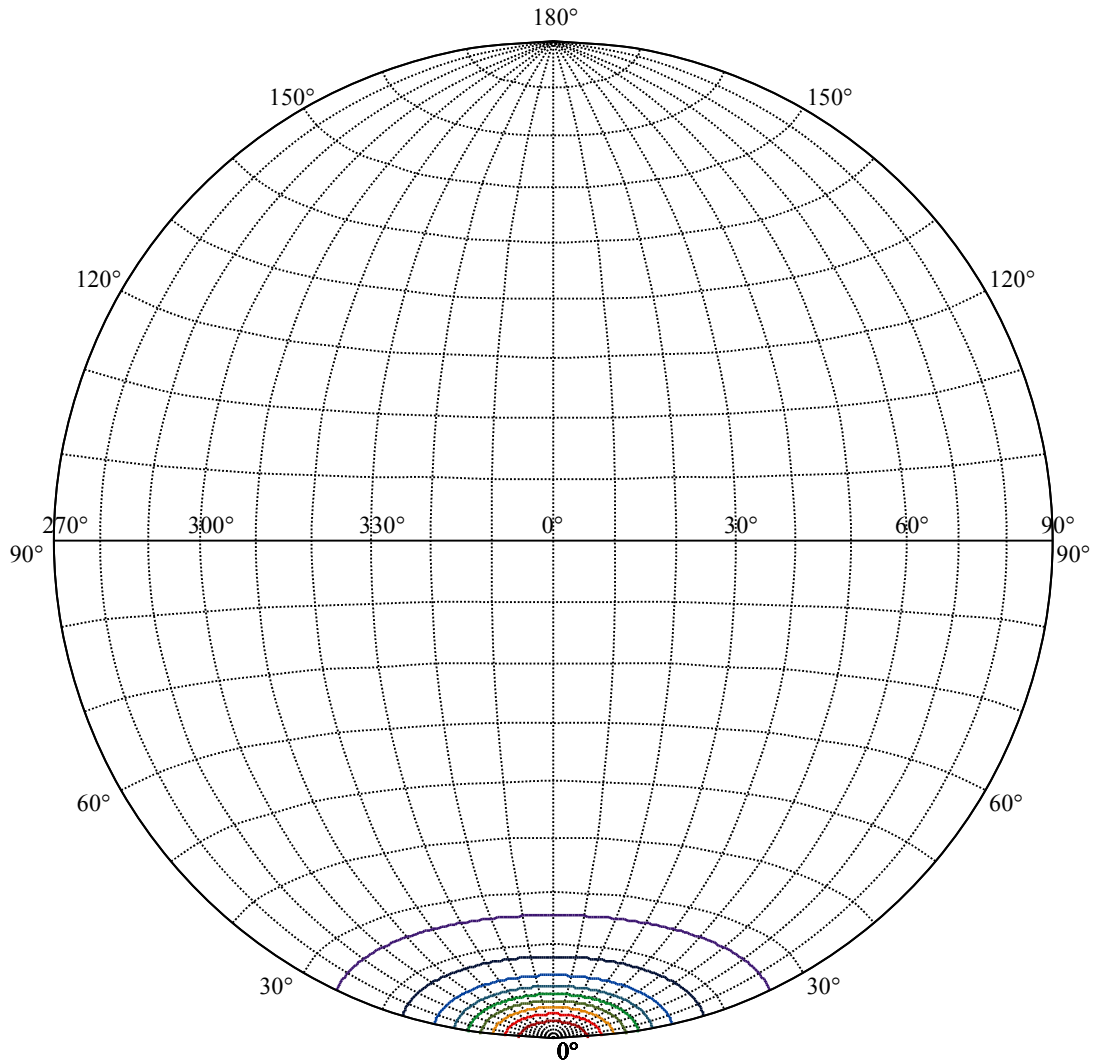
Field angle(10%Imax):C0/180Left:25.7 Right:25.7
:C90/270Left:25.7 Right:25.7

Beam Angle(50%Imax):C0/180Left:9.8 Right:9.8
:C90/270Left:9.8 Right:9.8





(10%Imax) 904.749	—
(20%Imax) 1809.5	—
(30%Imax) 2714.25	—
(40%Imax) 3619	—
(50%Imax) 4523.75	—
(60%Imax) 5428.49	—
(70%Imax) 6333.24	—
(80%Imax) 7237.99	—
(90%Imax) 8142.74	—



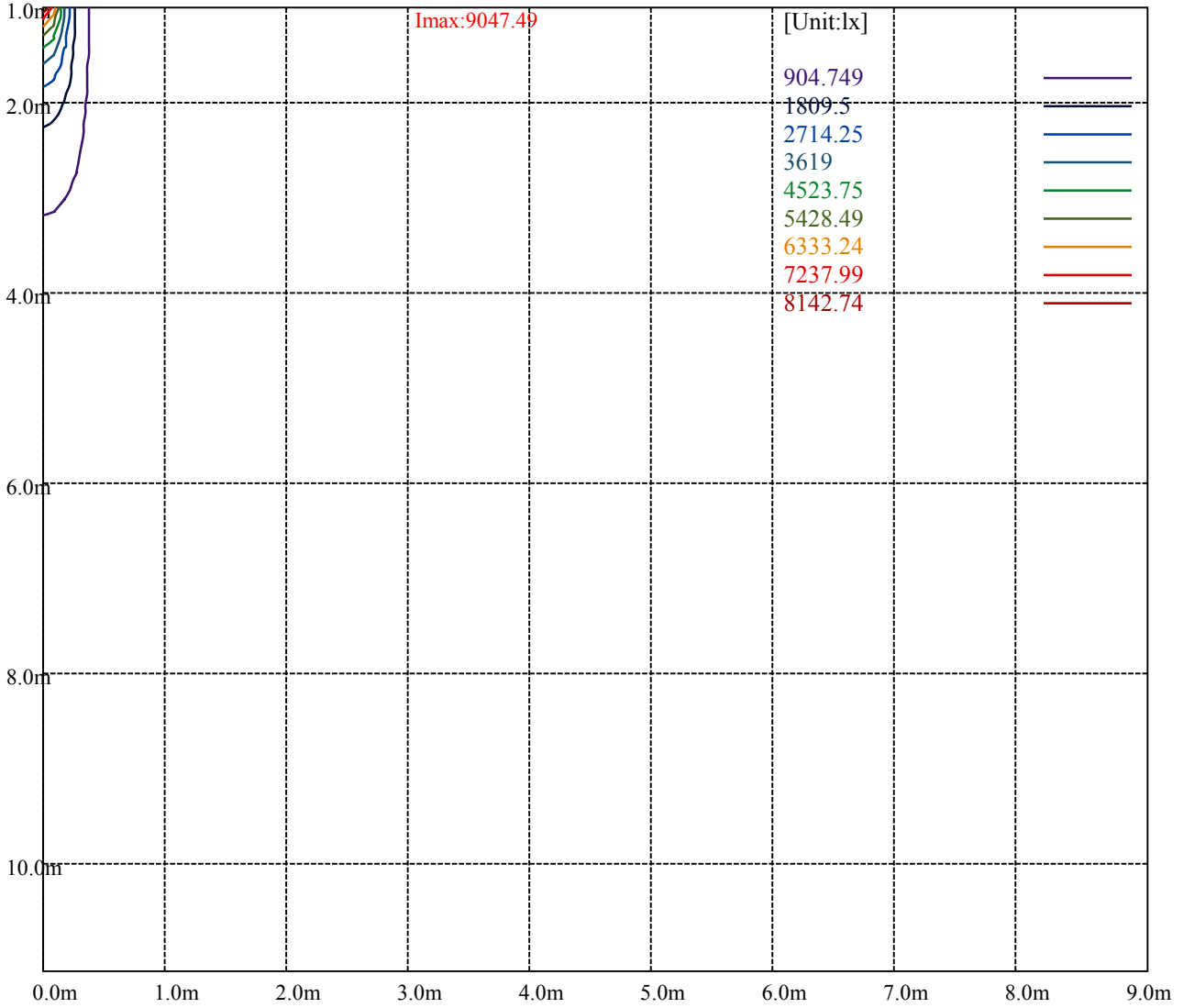
House

[Unit:cd]

Road

Imax:9047.49

(10%Imax) 904.749	—
(20%Imax) 1809.5	—
(30%Imax) 2714.25	—
(40%Imax) 3619	—
(50%Imax) 4523.75	—
(60%Imax) 5428.49	—
(70%Imax) 6333.24	—
(80%Imax) 7237.99	—
(90%Imax) 8142.74	—



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

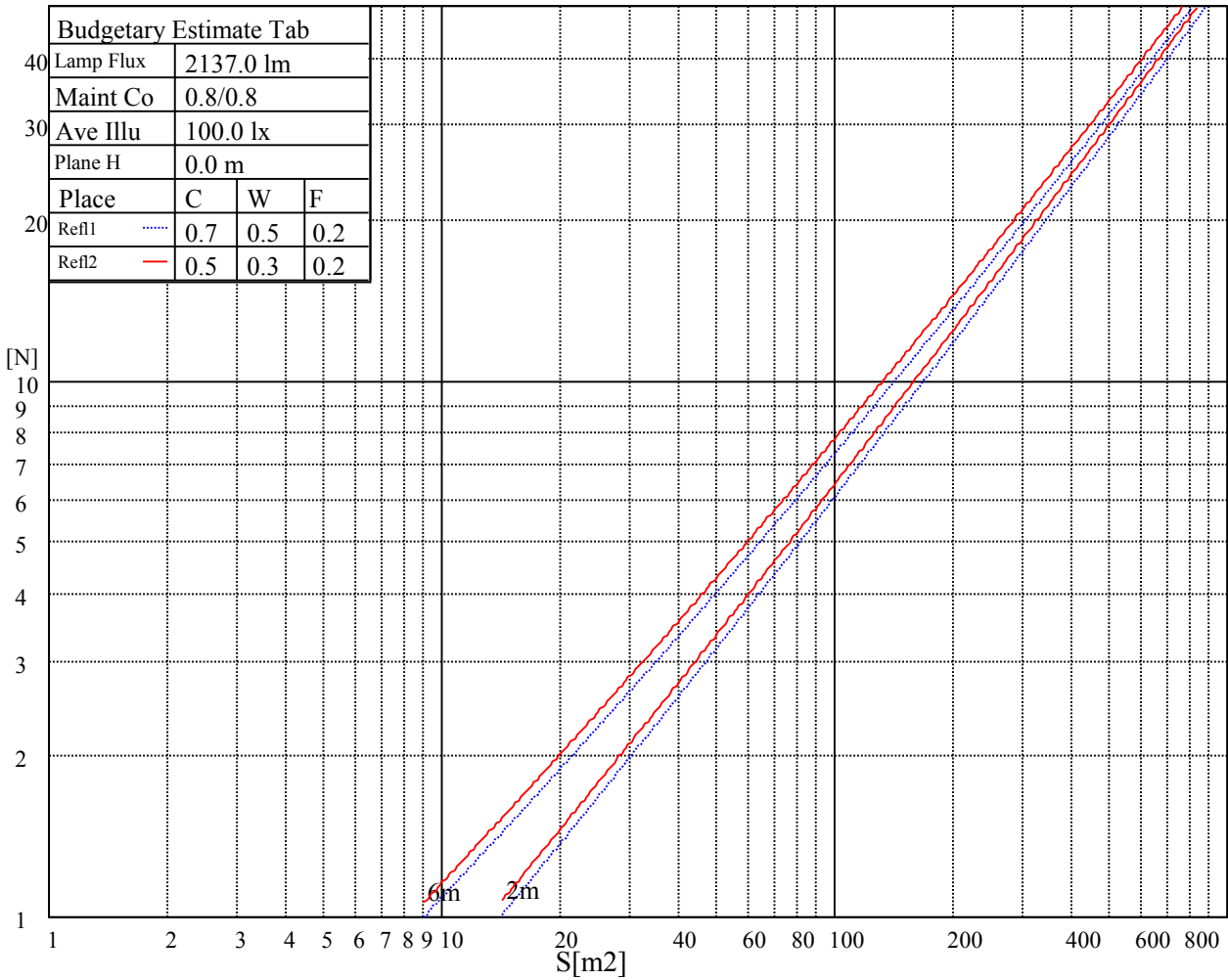
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

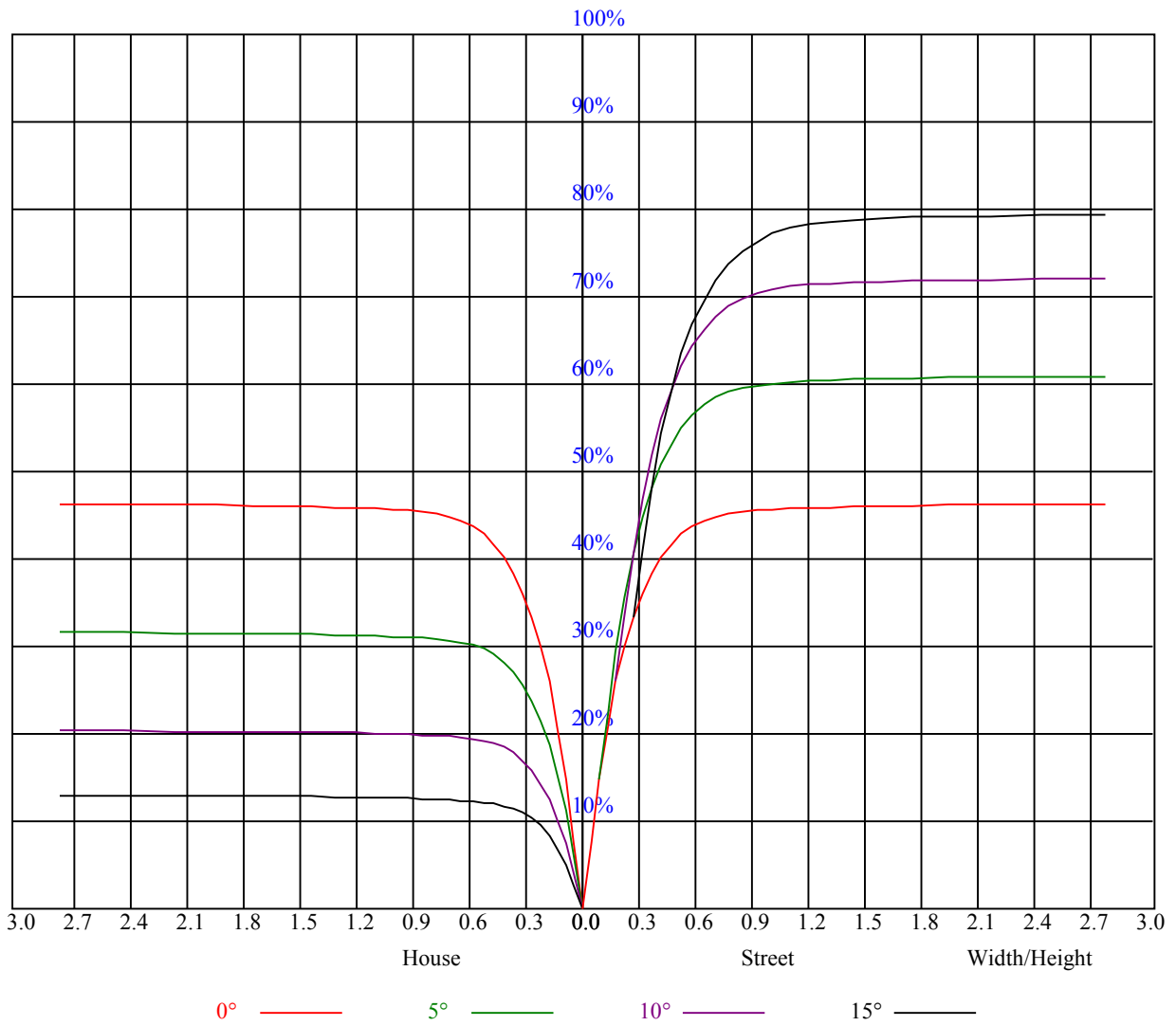


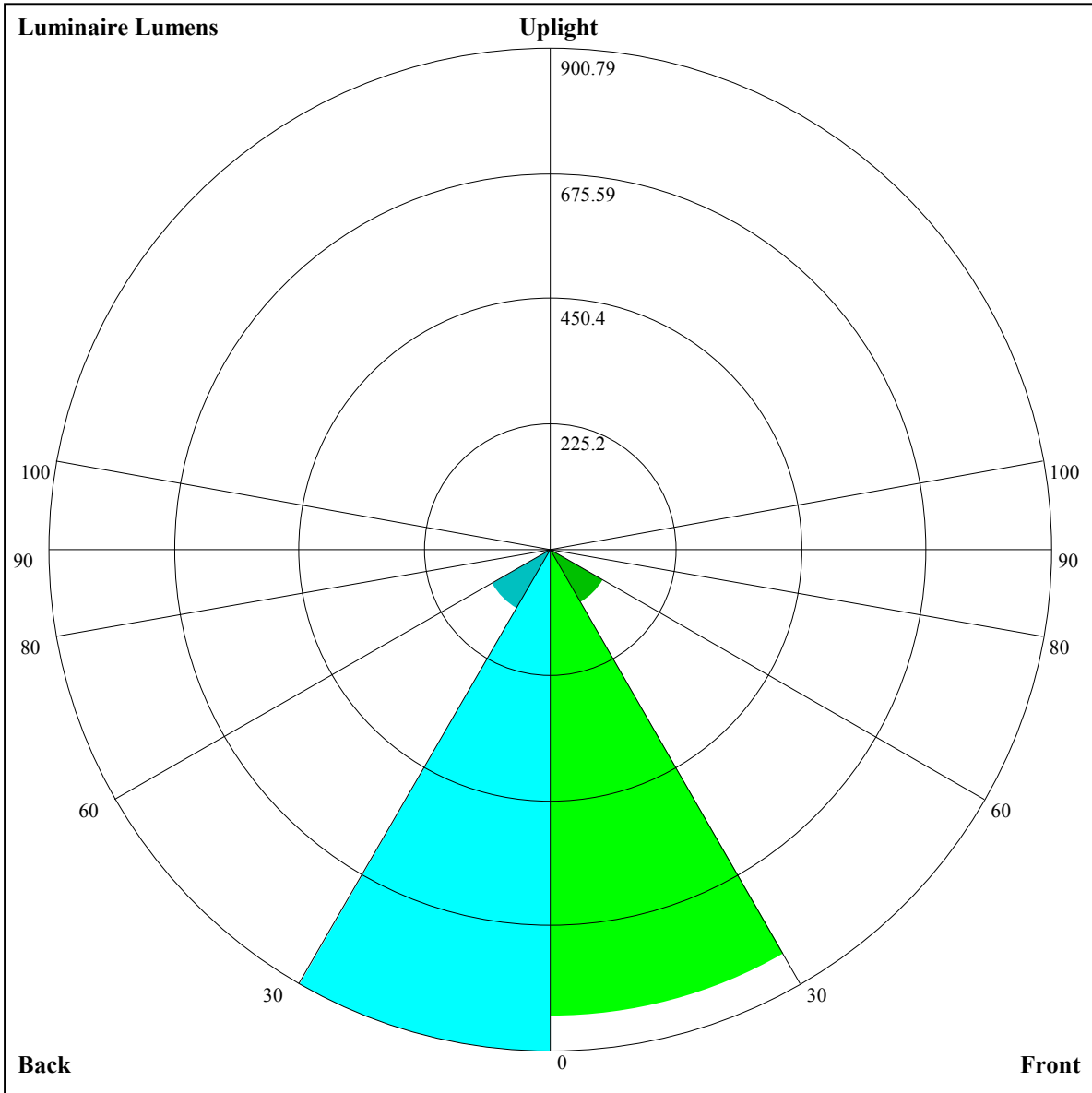
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOFC=20 CU															
0	1.10	1.10	1.10	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.98	0.95	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.91	0.89	0.88	0.89	0.87	0.86	0.85
3	0.93	0.90	0.87	0.92	0.89	0.86	0.90	0.87	0.85	0.88	0.85	0.83	0.86	0.84	0.82	0.81
4	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.82	0.80	0.83	0.81	0.79	0.77
5	0.85	0.81	0.78	0.84	0.80	0.77	0.83	0.79	0.77	0.81	0.78	0.76	0.80	0.78	0.75	0.74
6	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.77	0.75	0.73	0.71
7	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
8	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.73	0.70	0.67	0.66
9	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
10	0.71	0.66	0.64	0.70	0.66	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.62





Luminaire Lumens:

FL=839.73,FM=108.32,FH=9.13,FVH=0.98

BL=900.79,BM=121.43,BH=9.83,BVH=1.07

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	9007.37	8818.52	8419.04	8050.74	7488.58	6843.90	6157.49	5466.08	4798.01
45.0	9124.38	8986.19	8743.82	8378.88	7883.59	7295.78	6643.90	5965.84	5298.35
90.0	8885.90	8707.08	8126.53	7585.50	7215.57	6552.55	5873.91	5224.24	4605.79
135.0	9172.31	9066.45	8882.01	8493.68	8127.06	7577.73	6956.49	6295.67	5615.94
180.0	9007.37	9080.38	9047.48	8875.34	8605.11	8199.49	7674.65	7061.19	6404.32
225.0	9124.38	9122.17	8969.48	8694.26	8475.86	7788.87	7430.60	6782.09	6097.88
270.0	8885.90	9088.74	9163.96	9091.53	8907.66	8569.47	8105.87	7542.04	6887.95
315.0	9172.31	9127.74	8953.92	8661.41	8254.10	7723.11	7104.14	6412.68	5703.40
360.0	9007.37	8818.52	8419.04	8050.74	7488.58	6843.90	6157.49	5466.08	4798.01
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4190.70	3650.83	3198.95	2821.19	2503.08	2233.96	2002.74	1816.09	1656.72
45.0	4655.41	4077.06	3579.51	3147.71	2785.55	2478.01	2206.68	1977.66	1783.24
90.0	4044.74	3552.23	3136.56	2783.34	2484.10	2221.71	1993.80	1804.94	1642.79
135.0	4946.76	4339.45	3797.90	3326.00	2939.35	2600.00	2319.74	2083.52	1883.52
180.0	5722.37	5063.24	4433.65	3867.55	3380.61	2976.09	2639.58	2361.53	2134.77
225.0	5403.64	4759.59	4165.11	3633.54	3187.28	2820.08	2514.75	2251.25	2021.66
270.0	6193.70	5482.22	4809.15	4196.85	3663.08	3209.57	2831.23	2524.79	2267.97
315.0	5025.34	4377.35	3804.05	3307.07	2907.02	2583.87	2312.54	2080.74	1885.73
360.0	4190.70	3650.83	3198.95	2821.19	2503.08	2233.96	2002.74	1816.09	1656.72
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1519.11	1396.01	1282.31	1061.08	1061.08	1044.05	956.69	873.01	789.75
45.0	1622.76	1512.43	1387.07	1272.28	1168.67	1073.96	985.91	901.76	823.76
90.0	1505.18	1385.39	1272.85	1072.54	1072.54	1020.97	935.19	853.62	773.88
135.0	1706.86	1559.21	1432.75	1318.00	1211.57	1151.38	1023.23	971.41	889.52
180.0	1938.08	1832.80	1603.79	1464.50	1387.07	1271.17	1162.00	1063.92	968.10
225.0	1824.44	1657.30	1518.58	1395.43	1326.89	1091.36	1091.36	1016.56	929.20
270.0	2046.73	1928.62	1684.05	1593.80	1457.30	1333.04	1219.92	1116.27	1017.14
315.0	1780.98	1573.72	1442.79	1365.89	1214.35	1075.74	1056.93	960.63	873.27
360.0	1519.11	1396.01	1282.31	1061.08	1061.08	1044.05	956.69	873.01	789.75
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	708.65	627.54	547.49	466.02	392.54	327.88	275.16	232.17	195.37
45.0	745.23	668.91	595.32	518.48	439.90	366.89	304.49	293.35	243.21
90.0	693.77	612.20	527.99	444.36	368.20	303.81	252.83	211.83	177.40
135.0	809.83	729.62	649.41	569.15	490.62	416.51	349.07	291.67	291.67
180.0	877.85	790.33	706.23	624.34	545.76	470.54	402.58	343.50	293.35
225.0	844.36	762.73	680.16	597.22	520.05	441.21	369.04	306.65	255.66
270.0	924.63	834.90	751.33	667.75	585.86	509.54	433.22	365.26	306.75
315.0	787.54	703.29	619.87	538.50	462.08	390.96	330.09	280.58	246.26
360.0	708.65	627.54	547.49	466.02	392.54	327.88	275.16	232.17	195.37
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	164.26	137.40	114.80	99.45	80.26	69.70	58.66	49.67	42.68
45.0	191.54	160.21	133.35	110.70	92.09	76.74	64.02	53.72	45.57
90.0	148.91	124.05	102.92	85.41	71.06	59.45	53.46	45.26	38.95
135.0	206.36	173.09	144.60	120.00	103.65	85.73	68.65	59.45	49.78
180.0	275.53	275.53	179.19	156.58	131.46	110.54	92.98	78.21	66.23
225.0	215.93	182.29	153.27	137.98	107.91	90.51	81.73	69.07	58.66
270.0	286.68	286.68	192.06	163.00	136.72	114.64	96.45	81.16	68.70
315.0	208.52	169.78	147.86	123.57	102.97	85.68	71.54	59.92	50.51
360.0	164.26	137.40	114.80	99.45	80.26	69.70	58.66	49.67	42.68

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	37.32	32.96	29.91	27.23	25.02	23.44	22.55	21.81	21.29
45.0	39.42	34.69	31.01	28.49	26.23	24.34	23.07	22.23	21.39
90.0	34.27	30.70	28.07	25.91	24.23	22.97	22.18	21.34	21.03
135.0	42.31	36.64	32.59	29.44	27.02	25.07	23.60	22.55	21.60
180.0	56.35	48.46	42.10	37.16	33.27	30.01	27.54	25.70	24.18
225.0	50.25	43.36	38.06	33.96	30.85	28.33	26.23	24.55	23.44
270.0	58.08	49.83	43.15	37.79	33.59	30.38	27.86	25.65	23.97
315.0	43.15	37.48	33.11	29.96	27.49	25.39	23.81	22.71	21.81
360.0	37.32	32.96	29.91	27.23	25.02	23.44	22.55	21.81	21.29
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.18	21.08	21.03	21.03	20.87	20.13	19.55	17.77	15.87
45.0	20.92	20.92	20.76	20.60	20.55	20.39	19.76	18.50	17.14
90.0	21.08	20.92	20.76	20.87	20.50	19.61	18.61	17.56	15.03
135.0	21.08	21.18	21.08	21.18	21.29	21.29	20.50	19.61	18.82
180.0	22.97	22.23	21.87	21.50	21.39	21.29	21.08	20.55	19.82
225.0	22.50	21.71	21.50	21.50	21.24	21.03	21.03	20.60	19.24
270.0	23.29	21.81	21.24	21.08	20.87	20.81	20.76	20.71	20.18
315.0	21.39	21.08	20.97	20.92	20.87	20.81	20.34	19.55	18.29
360.0	21.18	21.08	21.03	21.03	20.87	20.13	19.55	17.77	15.87
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.61	12.25	11.30	10.09	9.04	8.25	7.52	6.94	6.47
45.0	15.24	13.40	11.83	10.35	9.30	8.46	7.67	7.04	6.52
90.0	13.51	11.83	9.88	9.15	8.20	7.52	6.94	6.41	5.94
135.0	16.08	14.82	12.98	11.20	9.83	8.78	7.99	7.41	6.83
180.0	18.76	17.08	15.24	13.51	11.83	10.46	9.41	8.52	7.83
225.0	18.66	17.14	14.93	13.14	11.56	10.09	8.94	8.09	7.46
270.0	19.34	18.08	16.45	14.61	12.93	11.25	9.83	8.88	7.99
315.0	16.71	14.77	13.04	11.35	9.93	8.88	8.09	7.36	6.83
360.0	14.61	12.25	11.30	10.09	9.04	8.25	7.52	6.94	6.47
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.99	5.62	5.20	4.89	4.57	4.15	3.84	3.42	3.05
45.0	6.10	5.68	5.20	4.89	4.73	4.31	3.84	3.63	3.21
90.0	5.57	5.20	4.89	4.52	4.15	3.78	3.42	3.05	2.68
135.0	6.36	5.89	5.57	5.10	4.78	4.47	4.10	3.73	3.47
180.0	7.15	6.68	6.15	5.78	5.41	4.99	4.68	4.47	3.89
225.0	6.89	6.41	5.94	5.57	5.15	4.89	4.52	4.10	3.78
270.0	7.31	6.68	6.25	5.83	5.47	5.10	4.84	4.52	4.10
315.0	6.25	5.83	5.52	5.20	4.78	4.63	4.26	3.84	3.57
360.0	5.99	5.62	5.20	4.89	4.57	4.15	3.84	3.42	3.05
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.73	2.42	2.00	1.73	1.47	1.26	1.10	0.84	0.58
45.0	2.84	2.37	2.05	1.79	1.47	1.21	1.05	0.84	0.58
90.0	2.37	2.05	1.73	1.47	1.21	1.00	0.79	0.63	0.58
135.0	2.94	2.63	2.31	1.94	1.58	1.37	1.16	1.00	0.79
180.0	3.47	3.15	2.73	2.42	2.05	1.73	1.42	1.21	1.05
225.0	3.36	3.05	2.68	2.21	1.94	1.73	1.42	1.16	1.00
270.0	3.84	3.36	3.10	2.63	2.21	1.94	1.68	1.37	1.21
315.0	3.21	2.79	2.47	2.10	1.84	1.47	1.31	1.10	0.95
360.0	2.73	2.42	2.00	1.73	1.47	1.26	1.10	0.84	0.58

Intensity data(cd)

C/γ(°)	90.0
0.0	0.63
45.0	0.63
90.0	0.63
135.0	0.63
180.0	0.84
225.0	0.89
270.0	0.95
315.0	0.84
360.0	0.63