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NT

Client:

LumCAT: 2-2686-L

Luminaire: 92.70.411.00

Report No: 2024330-B018

Ballast type: AC

Test No: 2024330-C018

Voltage(V): 34.130

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.576

Lamp flux(lm): 2850.0

Power (W): 19.658

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2423.90, Efficiency(%): 85.05% , Luminous Efficacy(lm/W): 123.30

Central intensity(cd): 12720.450, Maximum intensity(cd): 12720.450

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.4

[C90/270]Total=18.4

Field angle(10%Imax): [C0/180]Total=45.8

[C90/270]Total=45.8

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

Maximum s/h(1/4): C0_180=0.33 C90_270=0.33

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.05%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.978%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/30
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	12720.451	0.000	0	0.00%	0.00%
1.0	12532.601	12.083	12.083	0.42%	0.50%
2.0	12076.293	35.321	47.404	1.24%	1.96%
3.0	11859.906	57.248	104.652	2.01%	4.32%
4.0	11265.757	77.409	182.061	2.72%	7.51%
5.0	10494.796	93.613	275.673	3.28%	11.37%
6.0	9575.627	105.475	381.149	3.70%	15.72%
7.0	8573.795	112.653	493.802	3.95%	20.37%
8.0	7491.494	114.976	608.778	4.03%	25.12%
9.0	6553.745	113.829	722.607	3.99%	29.81%
10.0	5554.400	109.574	832.182	3.84%	34.33%
11.0	4778.318	103.245	935.427	3.62%	38.59%
12.0	4114.673	97.213	1032.64	3.41%	42.60%
13.0	3563.318	91.118	1123.758	3.20%	46.36%
14.0	3164.853	86.120	1209.878	3.02%	49.91%
15.0	2845.905	82.518	1292.397	2.90%	53.32%
16.0	2693.527	81.168	1373.565	2.85%	56.67%
17.0	2331.514	78.253	1451.818	2.75%	59.90%
18.0	2058.441	72.381	1524.199	2.54%	62.88%
19.0	1886.019	68.626	1592.824	2.41%	65.71%
20.0	1725.229	66.096	1658.92	2.32%	68.44%
21.0	1560.780	63.098	1722.018	2.21%	71.04%
22.0	1404.584	59.590	1781.609	2.09%	73.50%
23.0	1256.010	55.826	1837.435	1.96%	75.80%
24.0	1200.757	53.714	1891.149	1.88%	78.02%
25.0	1112.608	52.601	1943.75	1.85%	80.19%
26.0	1018.123	50.296	1994.046	1.76%	82.27%
27.0	905.980	47.074	2041.119	1.65%	84.21%
28.0	805.387	43.328	2084.448	1.52%	86.00%
29.0	704.662	39.507	2123.955	1.39%	87.63%
30.0	595.481	35.104	2159.058	1.23%	89.07%
31.0	493.111	30.294	2189.352	1.06%	90.32%
32.0	403.498	25.687	2215.039	0.90%	91.38%
33.0	314.251	21.145	2236.184	0.74%	92.26%
34.0	250.271	17.084	2253.268	0.60%	92.96%
35.0	227.140	14.827	2268.095	0.52%	93.57%
36.0	138.355	11.637	2279.732	0.41%	94.05%
37.0	119.123	8.397	2288.13	0.29%	94.40%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	106.394	7.527	2295.657	0.26%	94.71%
39.0	95.355	6.886	2302.544	0.24%	94.99%
40.0	86.035	6.326	2308.87	0.22%	95.25%
41.0	76.972	5.805	2314.674	0.20%	95.49%
42.0	69.225	5.312	2319.986	0.19%	95.71%
43.0	62.597	4.883	2324.869	0.17%	95.91%
44.0	56.247	4.486	2329.355	0.16%	96.10%
45.0	51.200	4.129	2333.484	0.14%	96.27%
46.0	46.862	3.835	2337.319	0.13%	96.43%
47.0	43.116	3.579	2340.898	0.13%	96.58%
48.0	39.861	3.354	2344.252	0.12%	96.71%
49.0	36.986	3.156	2347.408	0.11%	96.84%
50.0	34.448	2.978	2350.386	0.10%	96.97%
51.0	32.400	2.828	2353.214	0.10%	97.08%
52.0	30.644	2.705	2355.92	0.09%	97.20%
53.0	29.144	2.601	2358.52	0.09%	97.30%
54.0	27.776	2.509	2361.029	0.09%	97.41%
55.0	26.679	2.431	2363.46	0.09%	97.51%
56.0	25.750	2.369	2365.829	0.08%	97.60%
57.0	24.982	2.320	2368.149	0.08%	97.70%
58.0	24.243	2.276	2370.425	0.08%	97.79%
59.0	23.716	2.242	2372.667	0.08%	97.89%
60.0	23.248	2.219	2374.886	0.08%	97.98%
61.0	22.838	2.199	2377.085	0.08%	98.07%
62.0	22.443	2.182	2379.267	0.08%	98.16%
63.0	21.924	2.158	2381.425	0.08%	98.25%
64.0	21.331	2.123	2383.547	0.07%	98.34%
65.0	20.600	2.075	2385.623	0.07%	98.42%
66.0	19.824	2.017	2387.639	0.07%	98.50%
67.0	18.903	1.947	2389.587	0.07%	98.58%
68.0	18.098	1.874	2391.461	0.07%	98.66%
69.0	17.491	1.816	2393.277	0.06%	98.74%
70.0	17.037	1.773	2395.05	0.06%	98.81%
71.0	16.679	1.743	2396.793	0.06%	98.88%
72.0	16.416	1.721	2398.513	0.06%	98.95%
73.0	16.181	1.705	2400.218	0.06%	99.02%
74.0	15.896	1.686	2401.904	0.06%	99.09%
75.0	15.589	1.664	2403.568	0.06%	99.16%

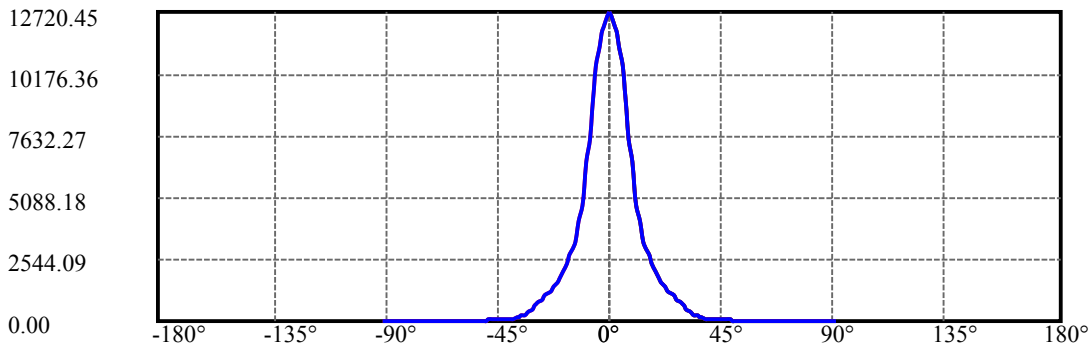
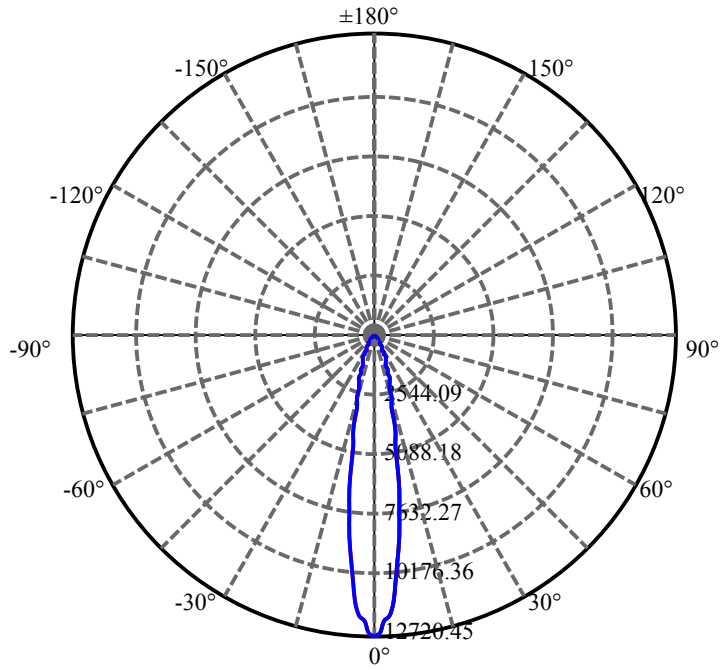
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.209	1.635	2405.203	0.06%	99.23%
77.0	14.755	1.598	2406.8	0.06%	99.29%
78.0	14.397	1.561	2408.361	0.05%	99.36%
79.0	13.936	1.522	2409.883	0.05%	99.42%
80.0	13.482	1.478	2411.361	0.05%	99.48%
81.0	12.941	1.429	2412.79	0.05%	99.54%
82.0	12.392	1.374	2414.164	0.05%	99.60%
83.0	11.975	1.325	2415.489	0.05%	99.65%
84.0	11.587	1.284	2416.772	0.05%	99.71%
85.0	11.324	1.250	2418.023	0.04%	99.76%
86.0	11.017	1.221	2419.244	0.04%	99.81%
87.0	10.775	1.193	2420.437	0.04%	99.86%
88.0	10.593	1.171	2421.607	0.04%	99.91%
89.0	10.439	1.153	2422.76	0.04%	99.95%
90.0	10.424	1.144	2423.904	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2159.06	75.76%	89.07%
0-40	2308.87	81.01%	95.25%
0-60	2374.89	83.33%	97.98%
0-90	2422.76	85.01%	99.95%
0-120	2422.76	85.01%	99.95%
0-180	2423.90	85.05%	100.00%
60-90	47.87	1.68%	1.98%
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%
0-24.91	1939.12	68.04%	80.00%

ZONAL LUMEN SUMMARY

0-10	832.18
10-20	826.74
20-30	500.14
30-40	149.81
40-50	41.52
50-60	24.50
60-70	20.16
70-80	16.31
80-90	11.40
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



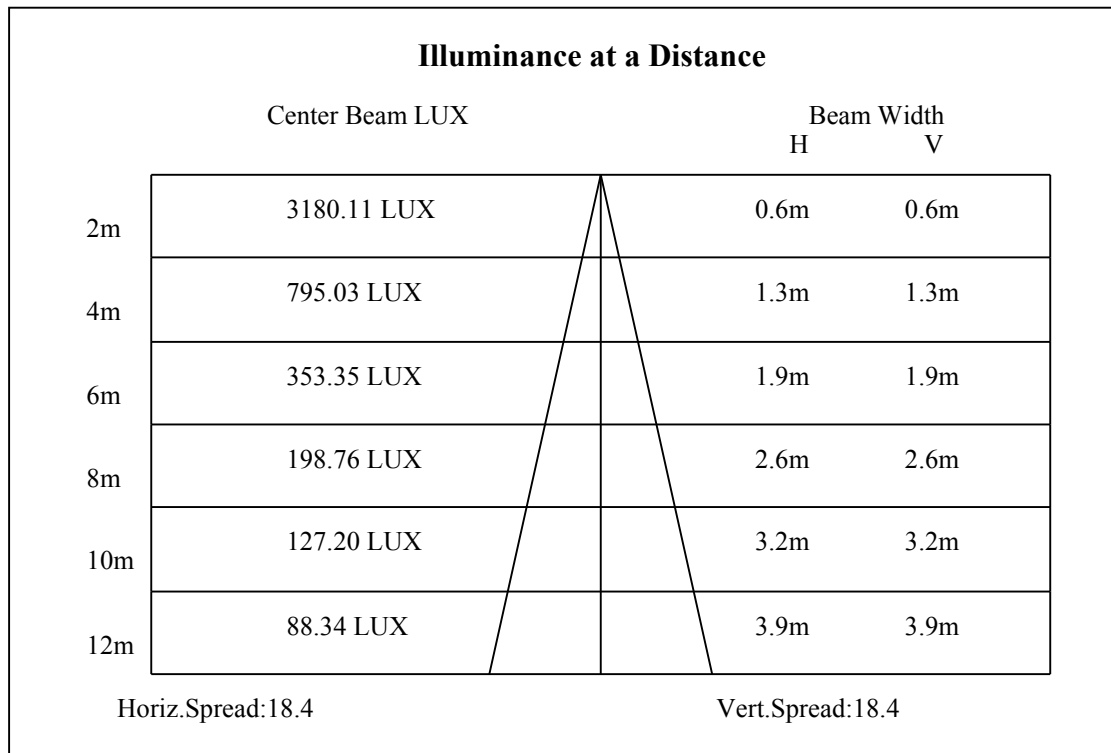
C0(Max): —————

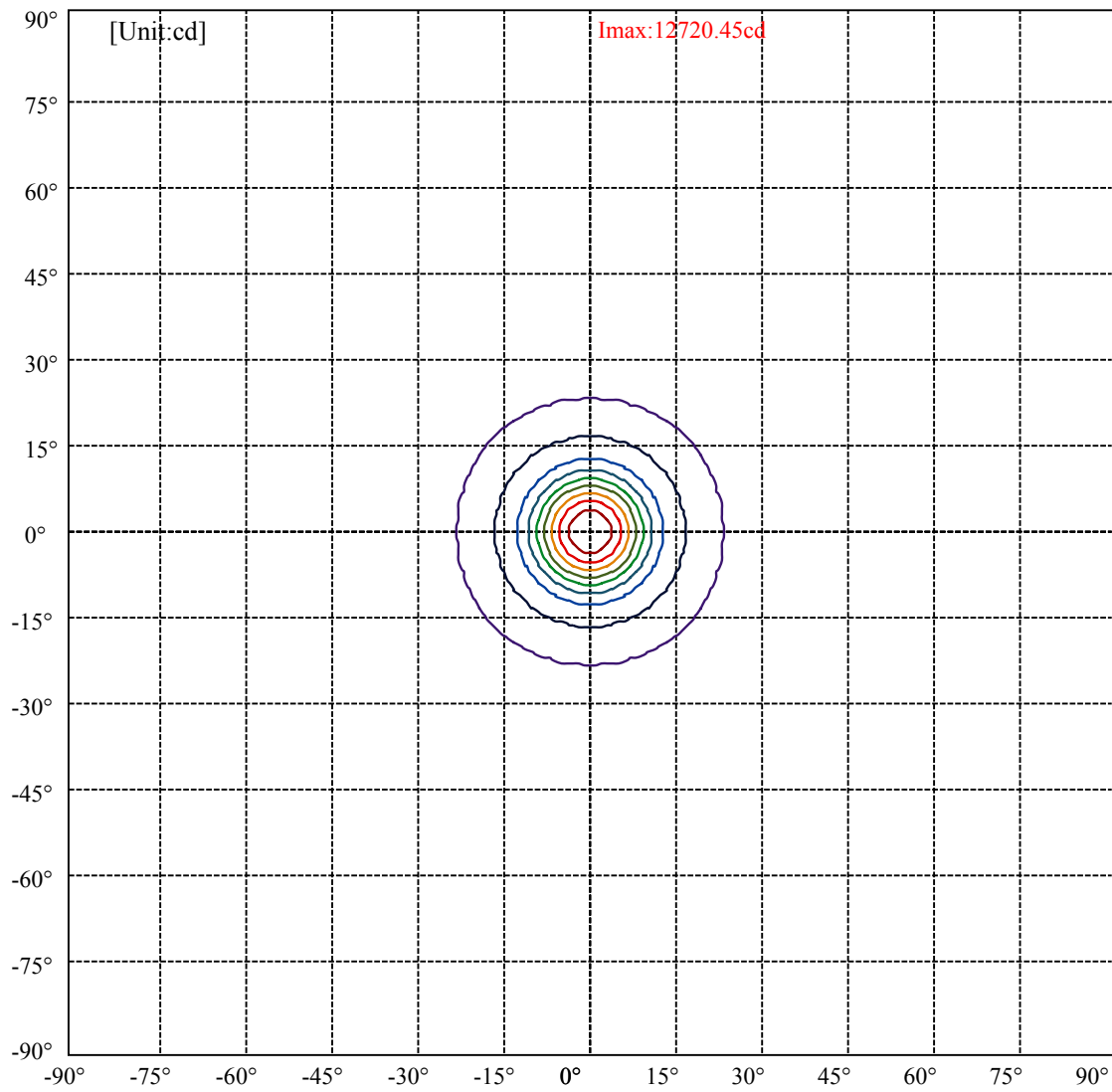
C0/C180: —————

C90/C270: —————

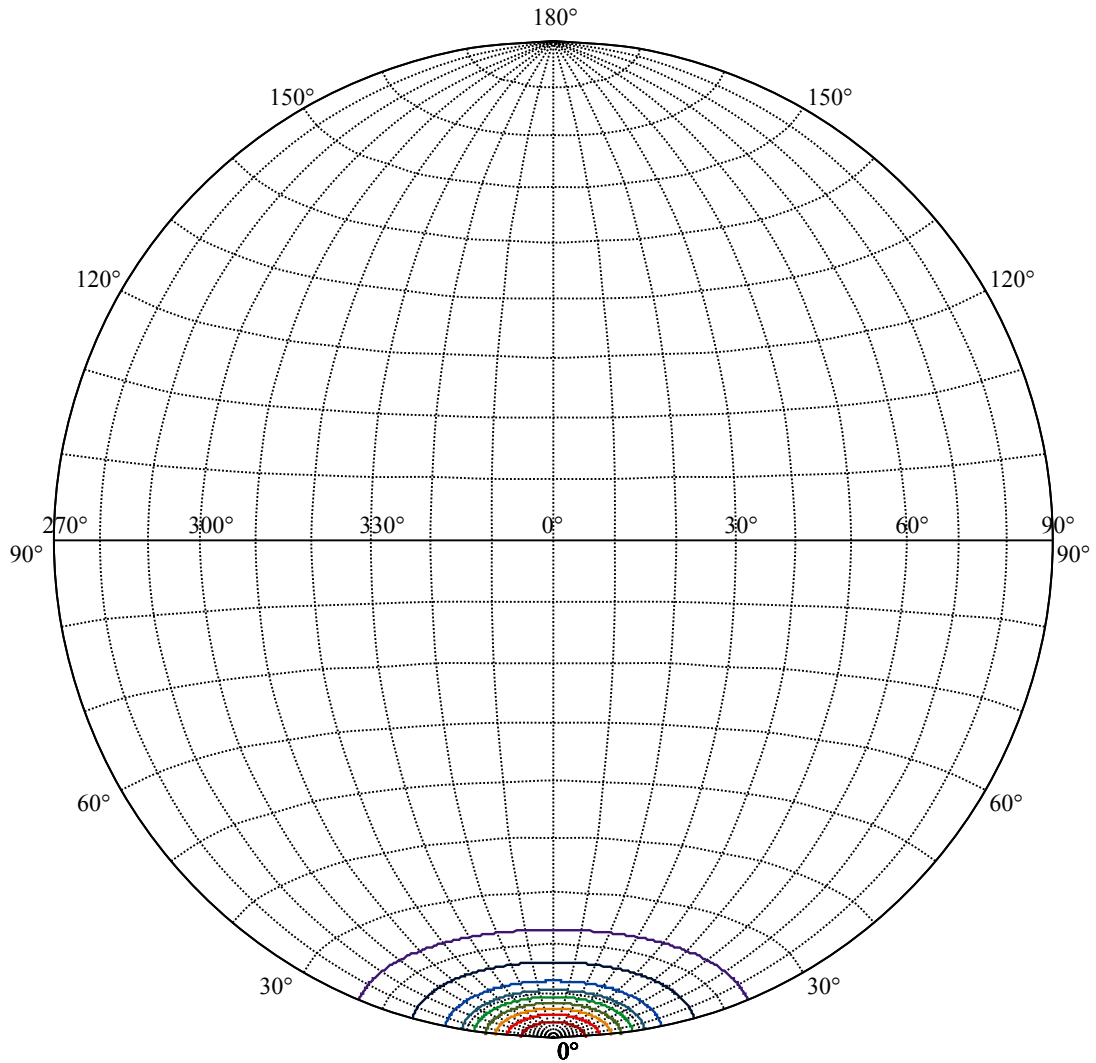
Field angle(10%Imax):C0/180Left:22.9 Right:22.9
:C90/270Left:22.9 Right:22.9

Beam Angle(50%Imax):C0/180Left:9.2 Right:9.2
:C90/270Left:9.2 Right:9.2





(10%I _{max}) 1272.05	—
(20%I _{max}) 2544.09	—
(30%I _{max}) 3816.14	—
(40%I _{max}) 5088.18	—
(50%I _{max}) 6360.23	—
(60%I _{max}) 7632.27	—
(70%I _{max}) 8904.32	—
(80%I _{max}) 10176.4	—
(90%I _{max}) 11448.4	—



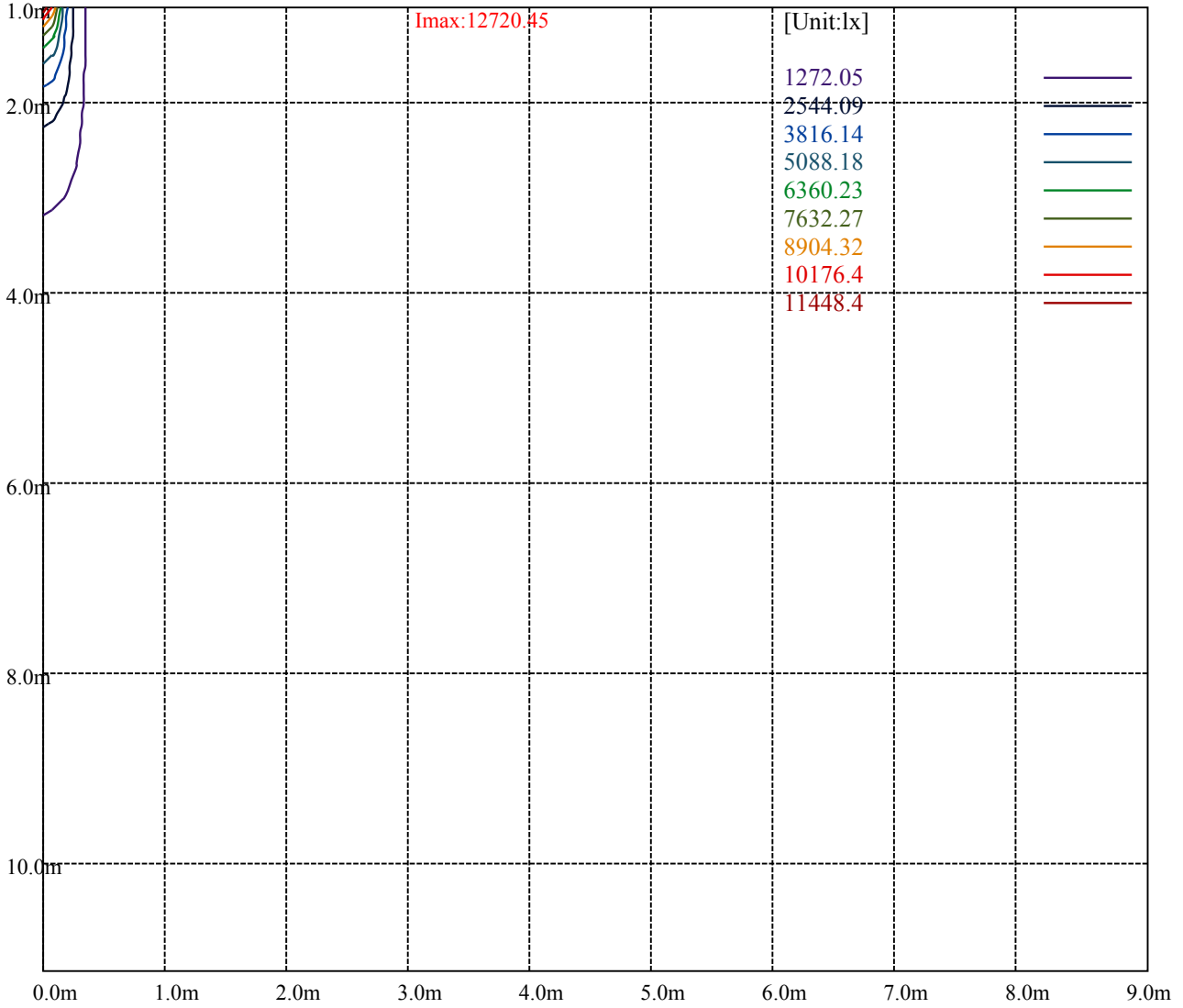
House

[Unit:cd]

Road

Imax:12720.45

(10%Imax)	1272.05	—
(20%Imax)	2544.09	—
(30%Imax)	3816.14	—
(40%Imax)	5088.18	—
(50%Imax)	6360.23	—
(60%Imax)	7632.27	—
(70%Imax)	8904.32	—
(80%Imax)	10176.4	—
(90%Imax)	11448.4	—



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

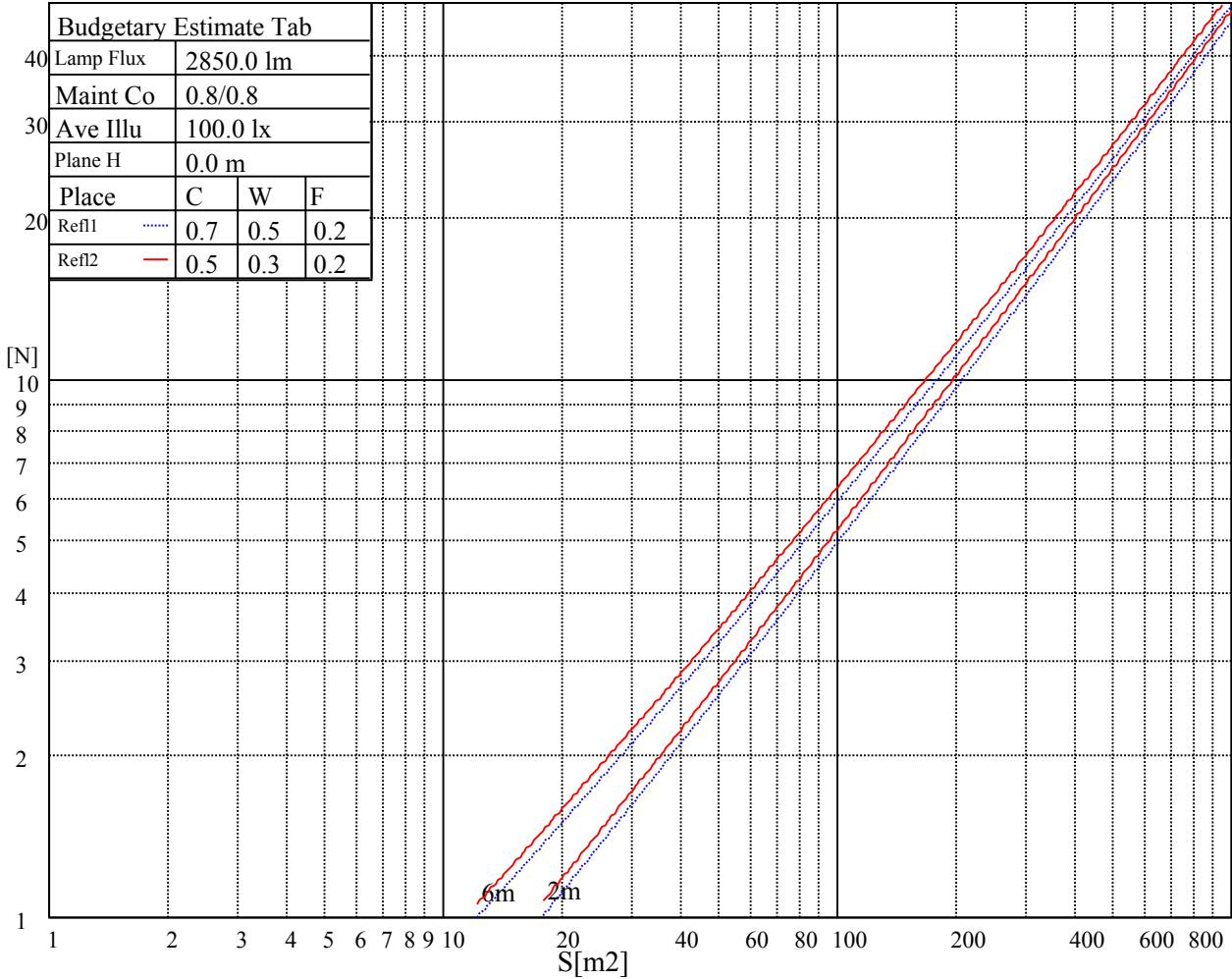
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

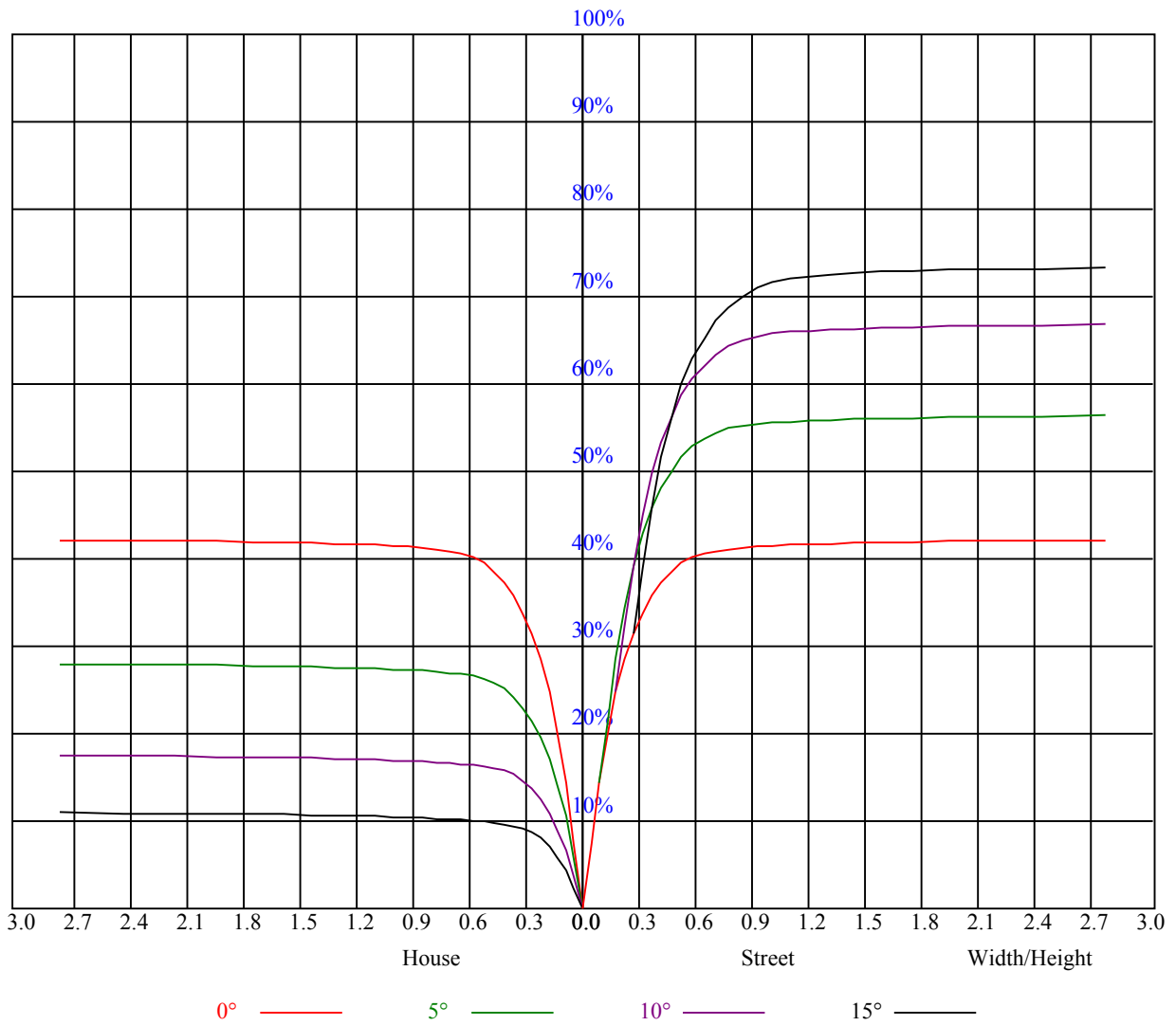


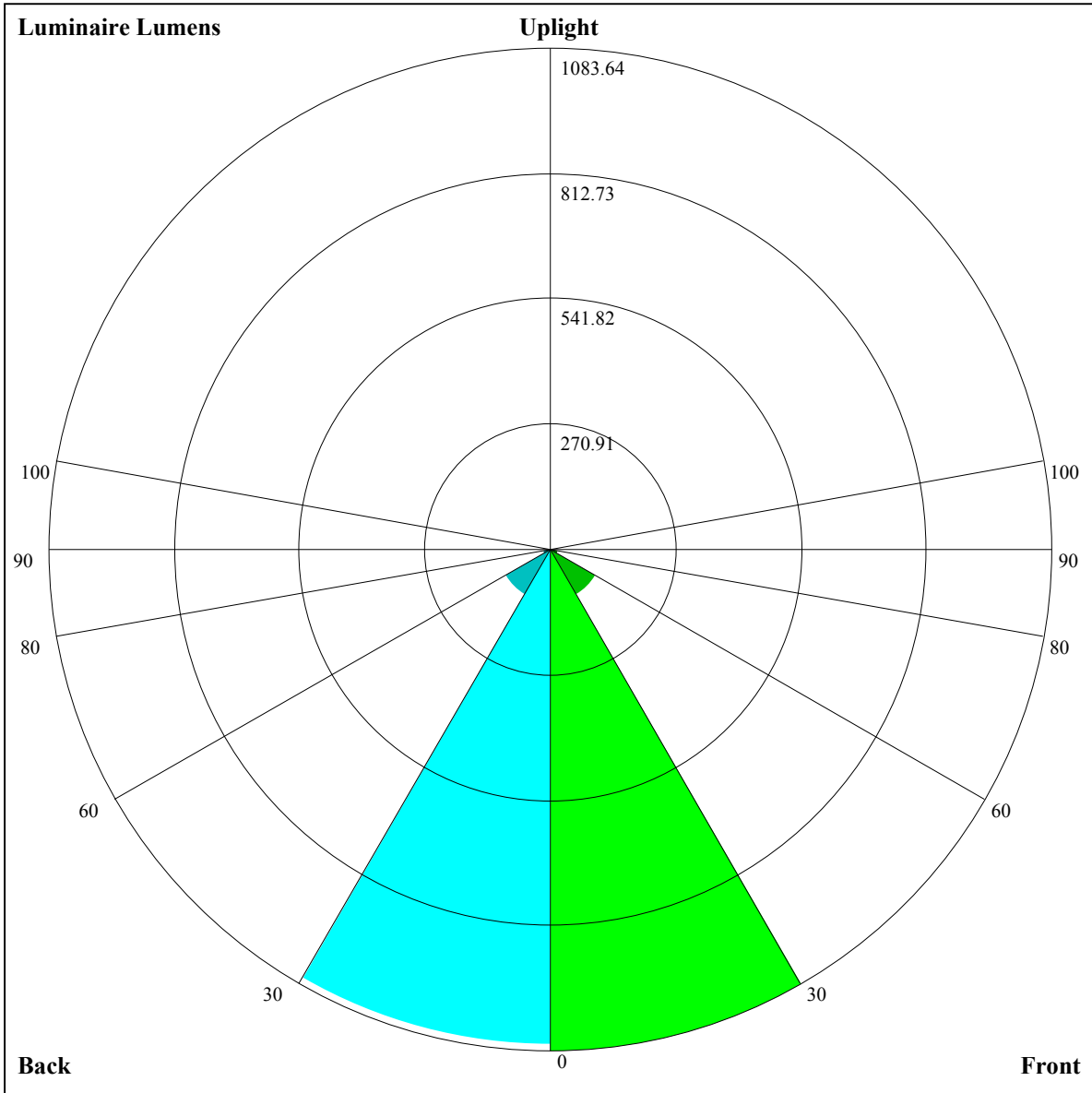
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.01	1.01	1.01	0.99	0.99	0.99	0.94	0.94	0.94	0.90	0.90	0.90	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	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.90	0.87	0.85	0.89	0.86	0.84	0.86	0.84	0.82	0.84	0.82	0.80	0.81	0.80	0.79	0.77
3	0.86	0.82	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.78	0.77	0.79	0.77	0.75	0.74
4	0.82	0.78	0.75	0.81	0.78	0.75	0.79	0.76	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.71
5	0.79	0.75	0.72	0.78	0.74	0.72	0.76	0.73	0.71	0.75	0.72	0.70	0.74	0.72	0.70	0.69
6	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.66
7	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.68	0.65	0.70	0.67	0.65	0.64
8	0.70	0.66	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.68	0.65	0.63	0.62
9	0.68	0.64	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.66	0.63	0.61	0.60
10	0.66	0.62	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.64	0.62	0.59	0.64	0.61	0.59	0.58





Luminaire Lumens:

FL=1083.64,FM=111.48,FH=18.53,FVH=6.34

BL=1069.72,BM=111.63,BH=18.19,BVH=6.25

UL=0,UH=0

BUG Rating:B3-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	12749.71	12615.11	11633.16	11633.16	11167.91	10413.55	9552.10	8611.06	7414.27
45.0	12685.34	12749.71	12615.11	12304.94	11871.87	11122.79	10373.70	9507.57	8319.56
90.0	12738.01	12574.14	11618.53	11618.53	10968.93	10164.83	9034.18	8059.19	7102.93
135.0	12708.75	12738.01	12568.29	12217.16	11561.71	10865.29	10045.97	8893.08	7927.46
180.0	12749.71	12691.19	12445.39	12041.59	11491.48	10637.05	9794.33	8588.76	7617.29
225.0	12685.34	11662.42	11662.42	11359.28	10644.72	9800.24	8590.58	7617.93	6652.90
270.0	12738.01	12702.89	12492.21	12129.37	11497.33	10830.17	10010.86	9074.50	7880.64
315.0	12708.75	12527.33	11575.22	11575.22	10922.11	10124.45	9203.31	8238.27	7016.91
360.0	12749.71	12615.11	11633.16	11633.16	11167.91	10413.55	9552.10	8611.06	7414.27
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6477.91	5588.37	4643.82	4038.11	3440.01	3063.71	2750.62	2487.26	2214.55
45.0	7365.64	6435.13	5574.85	4644.35	4047.42	3555.83	3152.02	2976.45	2976.45
90.0	6175.35	5133.65	4438.40	3874.25	3415.43	3042.06	2664.59	2410.02	2148.42
135.0	6973.54	5867.47	5065.71	4392.70	3725.54	3298.33	3029.12	3029.12	2352.66
180.0	6669.22	5557.30	4784.80	4158.61	3649.46	3233.95	2970.60	2970.60	2334.52
225.0	5739.95	4780.18	4158.08	3654.79	3160.27	2842.50	2570.95	2289.46	2090.48
270.0	6944.28	6019.62	5182.75	4328.32	3789.92	3351.00	2988.16	2988.16	2397.73
315.0	6084.06	5053.48	4378.13	3826.26	3278.49	2931.45	2641.18	2397.14	2137.30
360.0	6477.91	5588.37	4643.82	4038.11	3440.01	3063.71	2750.62	2487.26	2214.55
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2029.62	1866.34	1716.52	1532.76	1399.33	1158.22	1158.22	1094.60	999.97
45.0	2270.73	2036.06	1872.78	1683.17	1539.79	1406.94	1296.33	1186.31	1099.70
90.0	1969.34	1815.43	1637.52	1498.82	1369.49	1157.63	1157.63	1070.67	977.56
135.0	2147.83	1975.78	1817.77	1639.27	1498.82	1368.31	1258.88	1154.12	1066.92
180.0	2079.36	1907.31	1758.66	1586.60	1440.30	1296.33	1206.79	1126.62	1040.59
225.0	1878.63	1731.74	1584.26	1449.08	1159.86	1159.86	1139.78	1046.32	923.43
270.0	2134.37	1957.64	1765.68	1622.89	1477.75	1345.49	1233.13	1151.78	1064.00
315.0	1957.64	1797.87	1648.64	1473.66	1351.34	1155.29	1155.29	1070.44	972.82
360.0	2029.62	1866.34	1716.52	1532.76	1399.33	1158.22	1158.22	1094.60	999.97
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	876.96	781.80	686.41	565.56	474.62	389.17	290.45	219.69	166.85
45.0	1001.38	899.55	774.31	679.50	584.11	489.89	383.38	304.38	304.38
90.0	855.72	758.28	662.36	565.44	448.93	362.14	281.73	197.63	150.99
135.0	945.20	846.88	749.73	631.52	537.88	447.76	361.73	301.45	301.45
180.0	915.94	824.64	731.00	630.35	512.13	417.32	333.64	295.01	295.01
225.0	827.16	731.00	632.92	510.96	419.96	332.99	237.07	178.49	137.47
270.0	973.29	848.05	746.81	648.49	527.35	434.30	349.44	310.23	310.23
315.0	852.20	752.89	653.75	532.03	439.91	354.41	276.58	195.29	150.75
360.0	876.96	781.80	686.41	565.56	474.62	389.17	290.45	219.69	166.85
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	137.06	118.86	106.57	95.92	86.44	77.83	68.35	61.86	54.95
45.0	163.22	135.13	120.32	105.75	96.04	84.97	77.02	69.82	63.56
90.0	121.96	110.08	99.66	88.43	80.47	72.98	66.36	60.45	54.37
135.0	146.72	122.14	106.34	96.27	87.55	77.43	70.40	64.02	57.18
180.0	138.64	117.40	106.04	96.33	85.15	76.90	69.52	62.91	55.77
225.0	121.38	109.50	99.25	87.61	79.06	71.34	64.49	57.18	52.09
270.0	149.76	124.77	111.95	100.95	90.94	79.71	71.87	64.84	58.87
315.0	128.11	115.11	101.01	91.59	82.63	74.62	65.78	59.69	53.20
360.0	137.06	118.86	106.57	95.92	86.44	77.83	68.35	61.86	54.95

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	50.21	46.12	41.79	38.80	36.23	33.47	31.66	30.08	28.79
45.0	56.88	52.26	48.11	44.48	40.61	37.92	35.52	33.18	31.60
90.0	49.92	46.12	42.78	39.27	36.87	34.24	32.48	30.96	29.32
135.0	52.49	47.29	43.72	40.61	37.81	34.82	32.77	31.08	29.61
180.0	50.91	46.64	43.01	38.98	36.28	33.94	31.49	29.73	27.86
225.0	47.81	44.01	39.97	37.16	34.24	32.25	30.49	28.62	27.33
270.0	52.55	48.28	44.59	41.38	38.04	35.70	33.30	31.60	30.08
315.0	48.81	44.18	40.97	38.22	35.82	33.24	31.49	29.90	28.56
360.0	50.21	46.12	41.79	38.80	36.23	33.47	31.66	30.08	28.79
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.33	26.34	25.46	24.76	23.99	23.47	23.06	22.65	22.30
45.0	30.20	28.62	27.56	26.69	25.69	24.99	24.40	23.94	23.47
90.0	28.27	27.27	26.16	25.46	24.81	24.29	23.76	23.35	22.88
135.0	28.03	26.98	25.98	25.22	24.35	23.76	23.17	22.82	22.41
180.0	26.63	25.57	24.64	23.70	23.12	22.65	22.24	21.83	21.48
225.0	26.22	25.11	24.40	23.76	23.23	22.77	22.41	22.06	21.71
270.0	28.44	27.39	26.45	25.63	24.81	24.29	23.88	23.41	23.00
315.0	27.10	26.16	25.34	24.64	23.94	23.53	23.06	22.65	22.30
360.0	27.33	26.34	25.46	24.76	23.99	23.47	23.06	22.65	22.30
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.71	21.19	20.54	19.84	18.73	17.97	17.32	16.68	16.04
45.0	23.12	22.59	22.06	21.13	20.25	19.49	18.55	17.79	17.09
90.0	22.36	21.59	20.89	20.01	19.08	18.38	18.26	18.96	19.55
135.0	21.95	21.42	20.78	20.01	19.02	18.20	17.50	16.91	16.27
180.0	21.07	20.54	19.66	19.02	18.20	17.32	16.74	16.09	15.68
225.0	21.07	20.37	19.43	18.73	17.91	17.15	16.62	16.27	16.27
270.0	22.53	22.00	21.13	20.42	19.55	18.55	17.85	17.09	16.68
315.0	21.59	20.95	20.31	19.43	18.49	17.73	17.09	16.50	15.86
360.0	21.71	21.19	20.54	19.84	18.73	17.97	17.32	16.68	16.04
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.68	15.57	15.51	15.39	15.22	14.75	14.69	14.28	13.69
45.0	16.80	16.91	16.74	16.68	16.62	16.09	15.80	15.22	14.81
90.0	19.43	18.49	18.26	17.44	16.80	16.04	15.63	15.10	14.40
135.0	15.80	15.39	14.98	14.69	14.34	13.99	13.64	13.34	12.93
180.0	15.45	15.63	15.63	15.51	15.10	14.69	14.22	13.64	13.17
225.0	16.39	16.33	16.09	15.74	15.22	14.81	14.22	13.69	13.23
270.0	16.33	16.04	15.33	14.98	14.46	14.16	13.75	13.34	13.05
315.0	15.45	15.10	14.63	14.28	13.93	13.52	13.23	12.87	12.58
360.0	15.68	15.57	15.51	15.39	15.22	14.75	14.69	14.28	13.69
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.17	12.41	11.88	11.53	11.29	11.06	10.83	10.59	10.48
45.0	14.34	13.87	13.11	12.06	11.65	11.41	11.06	10.71	10.59
90.0	13.34	12.29	11.94	11.59	11.41	10.94	10.71	10.59	10.36
135.0	12.64	12.29	12.00	11.76	11.47	11.12	10.83	10.65	10.53
180.0	12.64	12.11	11.82	11.47	11.24	10.94	10.71	10.65	10.36
225.0	12.52	11.88	11.53	11.29	10.94	10.77	10.59	10.36	10.42
270.0	12.58	12.29	11.82	11.59	11.35	11.00	10.77	10.59	10.42
315.0	12.29	12.00	11.70	11.41	11.24	10.89	10.71	10.59	10.36
360.0	13.17	12.41	11.88	11.53	11.29	11.06	10.83	10.59	10.48

Intensity data(cd)

C/γ(°)	90.0
0.0	10.36
45.0	10.36
90.0	10.42
135.0	10.48
180.0	10.48
225.0	10.42
270.0	10.42
315.0	10.48
360.0	10.36