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NT

Client:

LumCAT: 2-2678-L

Luminaire: 92.70.412.00

Report No: 2024322-B002

Ballast type: AC

Test No: 2024322-C002

Voltage(V): 34.710

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.577

Lamp flux(lm): 3486.0

Power (W): 20.027

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2950.34, Efficiency(%): 84.63% , Luminous Efficacy(lm/W): 147.32

Central intensity(cd): 12383.950, Maximum intensity(cd): 12383.950

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=20.8

[C90/270]Total=20.8

Field angle(10%Imax): [C0/180]Total=53.6

[C90/270]Total=53.6

Maximum s/h(1/2): C0_180=0.35 C90_270=0.35

Maximum s/h(1/4): C0_180=0.38 C90_270=0.38

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.63%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.856%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/22
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	12383.946	0.000	0	0.00%	0.00%
1.0	12266.323	11.795	11.795	0.34%	0.40%
2.0	12015.350	34.851	46.646	1.00%	1.58%
3.0	11747.251	56.832	103.478	1.63%	3.51%
4.0	11417.111	77.539	181.017	2.22%	6.14%
5.0	10818.864	95.658	276.675	2.74%	9.38%
6.0	10095.234	109.909	386.584	3.15%	13.10%
7.0	9244.463	120.041	506.625	3.44%	17.17%
8.0	8363.626	126.018	632.643	3.61%	21.44%
9.0	7475.840	128.370	761.013	3.68%	25.79%
10.0	6536.115	126.803	887.816	3.64%	30.09%
11.0	5736.697	122.631	1010.447	3.52%	34.25%
12.0	5008.604	117.462	1127.908	3.37%	38.23%
13.0	4409.992	111.775	1239.683	3.21%	42.02%
14.0	3902.310	106.397	1346.08	3.05%	45.62%
15.0	3476.705	101.302	1447.383	2.91%	49.06%
16.0	3103.112	96.413	1543.795	2.77%	52.33%
17.0	2871.582	93.042	1636.837	2.67%	55.48%
18.0	2647.960	91.005	1727.843	2.61%	58.56%
19.0	2349.730	86.950	1814.792	2.49%	61.51%
20.0	2109.063	81.608	1896.401	2.34%	64.28%
21.0	1941.323	77.776	1974.176	2.23%	66.91%
22.0	1782.946	74.841	2049.017	2.15%	69.45%
23.0	1652.149	72.078	2121.094	2.07%	71.89%
24.0	1540.810	69.810	2190.904	2.00%	74.26%
25.0	1429.931	67.548	2258.452	1.94%	76.55%
26.0	1320.772	64.931	2323.383	1.86%	78.75%
27.0	1215.629	62.054	2385.436	1.78%	80.85%
28.0	1136.661	59.555	2444.991	1.71%	82.87%
29.0	1026.273	56.588	2501.58	1.62%	84.79%
30.0	909.915	52.277	2553.857	1.50%	86.56%
31.0	790.302	47.315	2601.171	1.36%	88.17%
32.0	673.243	41.929	2643.1	1.20%	89.59%
33.0	563.579	36.437	2679.537	1.05%	90.82%
34.0	463.740	31.090	2710.627	0.89%	91.87%
35.0	368.392	25.843	2736.47	0.74%	92.75%
36.0	290.586	20.982	2757.452	0.60%	93.46%
37.0	234.273	17.118	2774.57	0.49%	94.04%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	161.910	13.224	2787.794	0.38%	94.49%
39.0	124.097	9.762	2797.556	0.28%	94.82%
40.0	86.708	7.352	2804.908	0.21%	95.07%
41.0	76.650	5.817	2810.725	0.17%	95.27%
42.0	70.432	5.344	2816.069	0.15%	95.45%
43.0	65.911	5.051	2821.12	0.14%	95.62%
44.0	61.756	4.819	2825.938	0.14%	95.78%
45.0	58.171	4.609	2830.547	0.13%	95.94%
46.0	54.806	4.418	2834.965	0.13%	96.09%
47.0	51.931	4.245	2839.211	0.12%	96.23%
48.0	49.254	4.090	2843.301	0.12%	96.37%
49.0	46.935	3.950	2847.251	0.11%	96.51%
50.0	45.048	3.835	2851.086	0.11%	96.64%
51.0	43.453	3.744	2854.83	0.11%	96.76%
52.0	42.224	3.676	2858.507	0.11%	96.89%
53.0	41.156	3.627	2862.134	0.10%	97.01%
54.0	40.381	3.594	2865.728	0.10%	97.13%
55.0	39.839	3.581	2869.309	0.10%	97.25%
56.0	39.320	3.577	2872.886	0.10%	97.37%
57.0	38.903	3.577	2876.462	0.10%	97.50%
58.0	38.361	3.573	2880.035	0.10%	97.62%
59.0	37.630	3.553	2883.588	0.10%	97.74%
60.0	36.708	3.512	2887.1	0.10%	97.86%
61.0	35.318	3.437	2890.537	0.10%	97.97%
62.0	33.709	3.326	2893.863	0.10%	98.09%
63.0	31.829	3.187	2897.051	0.09%	98.19%
64.0	29.817	3.025	2900.076	0.09%	98.30%
65.0	27.506	2.837	2902.912	0.08%	98.39%
66.0	25.560	2.648	2905.56	0.08%	98.48%
67.0	23.906	2.487	2908.047	0.07%	98.57%
68.0	22.838	2.368	2910.415	0.07%	98.65%
69.0	22.048	2.290	2912.705	0.07%	98.72%
70.0	21.448	2.234	2914.939	0.06%	98.80%
71.0	20.929	2.190	2917.129	0.06%	98.87%
72.0	20.600	2.159	2919.289	0.06%	98.95%
73.0	20.212	2.134	2921.423	0.06%	99.02%
74.0	19.759	2.101	2923.524	0.06%	99.09%
75.0	19.298	2.064	2925.588	0.06%	99.16%

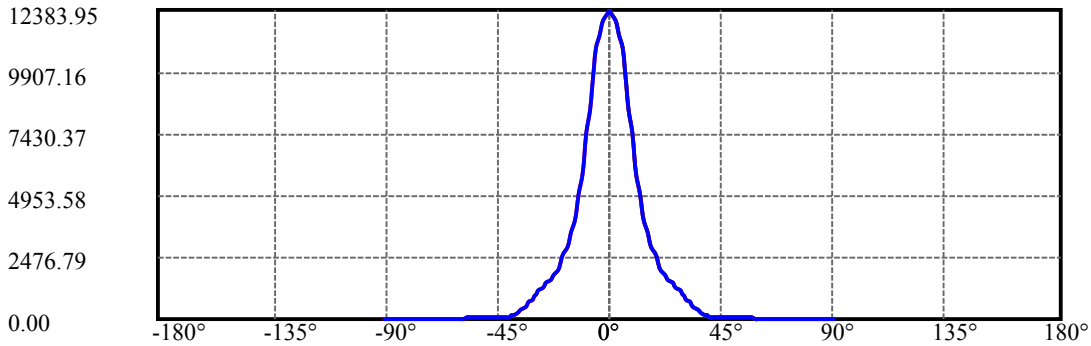
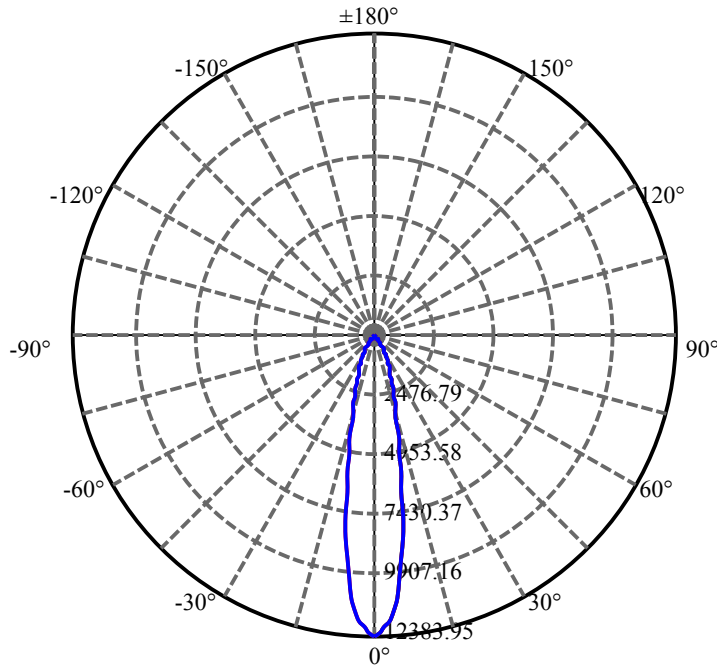
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.844	2.025	2927.613	0.06%	99.23%
77.0	18.274	1.979	2929.592	0.06%	99.30%
78.0	17.659	1.924	2931.515	0.06%	99.36%
79.0	17.052	1.865	2933.38	0.05%	99.43%
80.0	16.357	1.801	2935.181	0.05%	99.49%
81.0	15.589	1.728	2936.909	0.05%	99.54%
82.0	15.004	1.659	2938.568	0.05%	99.60%
83.0	14.543	1.606	2940.174	0.05%	99.66%
84.0	14.140	1.563	2941.737	0.04%	99.71%
85.0	13.731	1.521	2943.258	0.04%	99.76%
86.0	13.343	1.480	2944.738	0.04%	99.81%
87.0	13.007	1.442	2946.18	0.04%	99.86%
88.0	12.751	1.411	2947.591	0.04%	99.91%
89.0	12.516	1.385	2948.976	0.04%	99.95%
90.0	12.414	1.367	2950.343	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2553.86	73.26%	86.56%
0-40	2804.91	80.46%	95.07%
0-60	2887.10	82.82%	97.86%
0-90	2948.98	84.59%	99.95%
0-120	2948.98	84.59%	99.95%
0-180	2950.34	84.63%	100.00%
60-90	61.88	1.77%	2.10%
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%
0-26.59	2360.27	67.71%	80.00%

ZONAL LUMEN SUMMARY

0-10	887.82
10-20	1008.58
20-30	657.46
30-40	251.05
40-50	46.18
50-60	36.01
60-70	27.84
70-80	20.24
80-90	13.79
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: —————

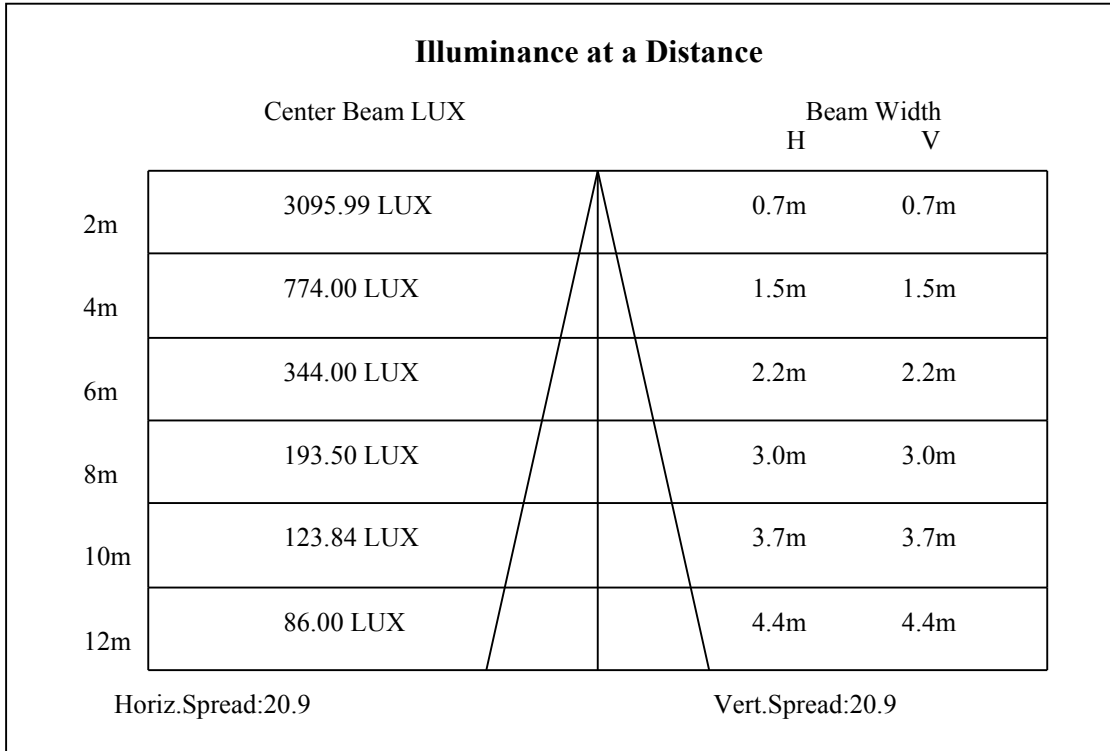
C90/C270: —————

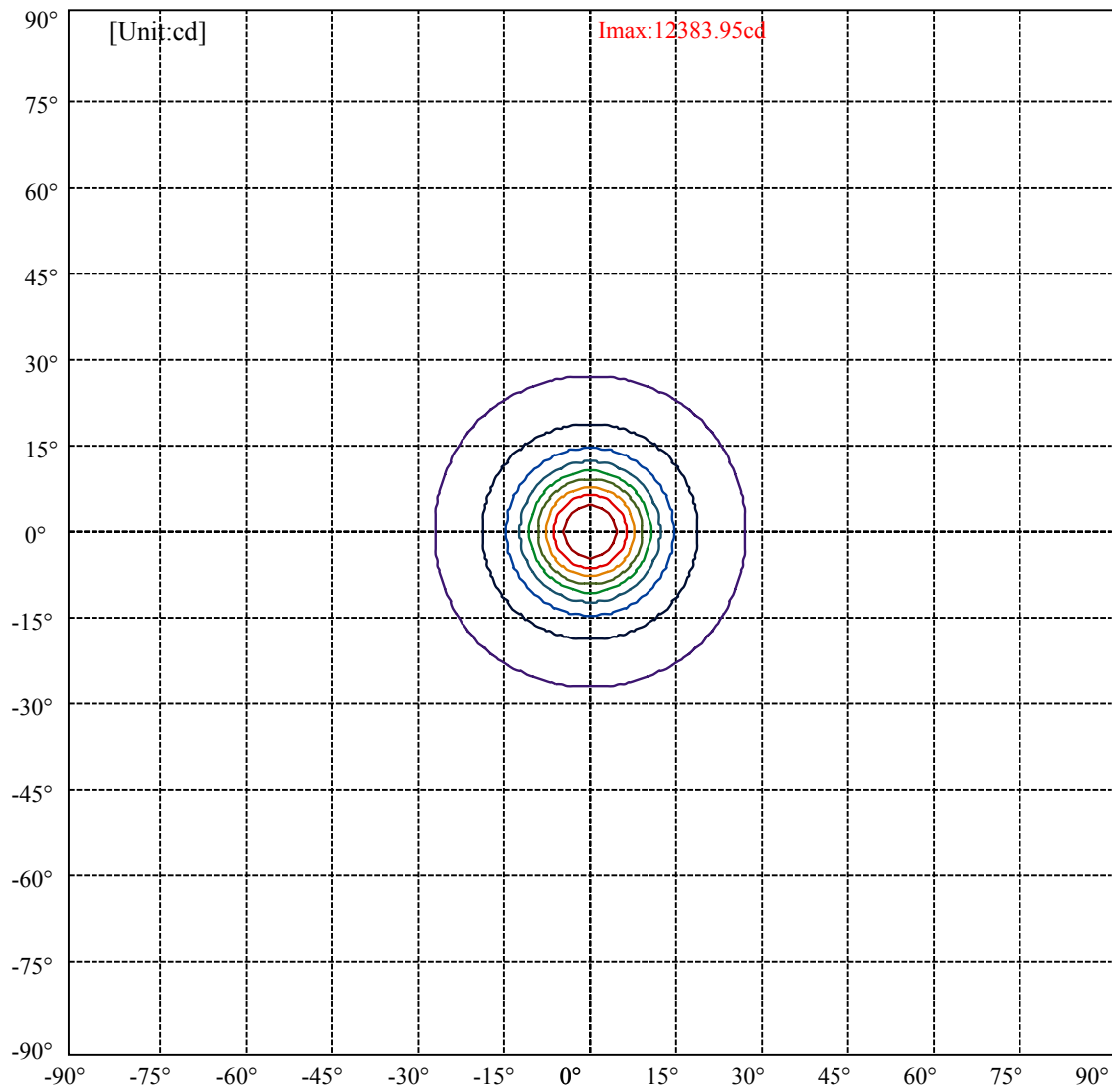
Field angle(10%Imax):C0/180Left:26.8 Right:26.8

:C90/270Left:26.8 Right:26.8

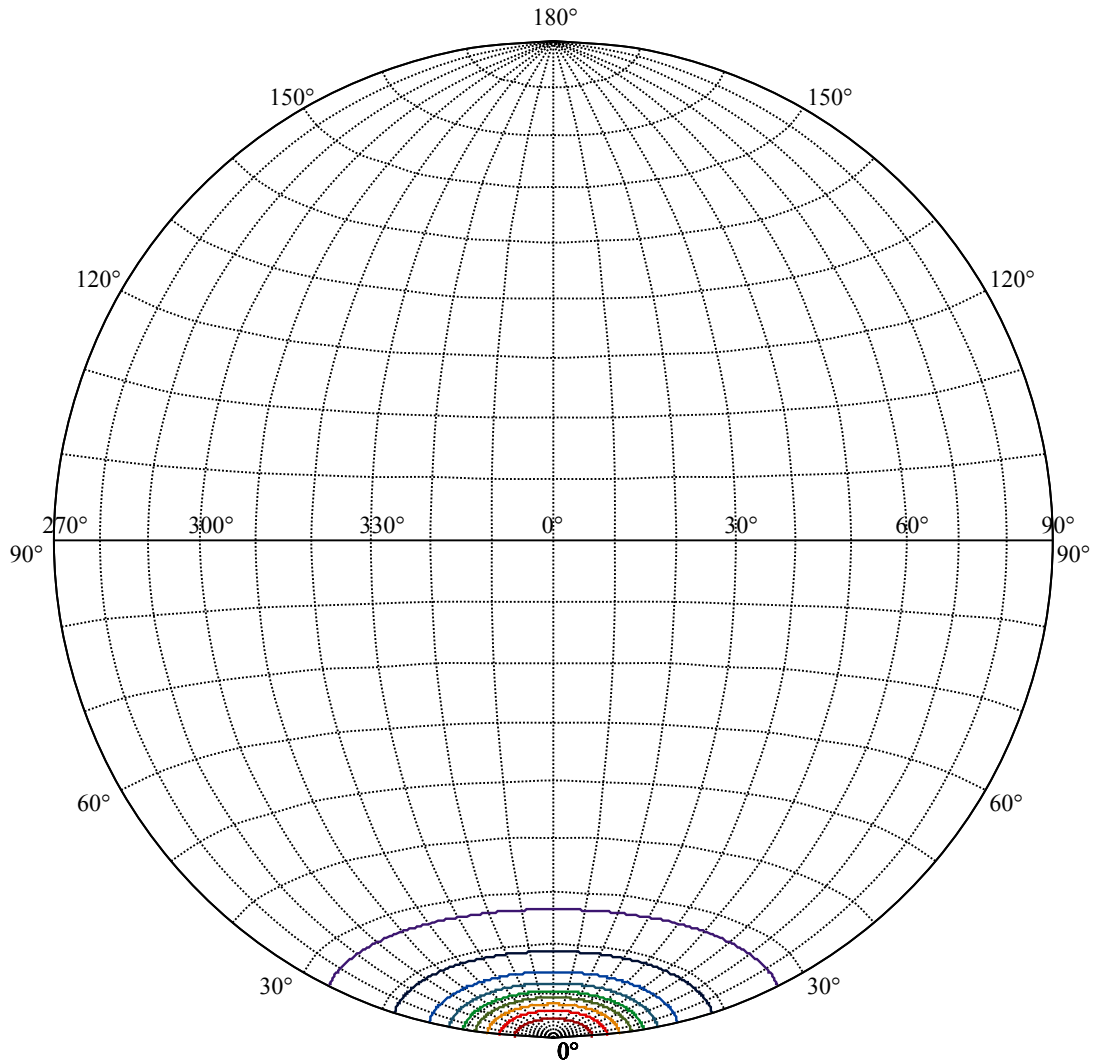
Beam Angle(50%Imax):C0/180Left:10.4 Right:10.4

:C90/270Left:10.4 Right:10.4





(10%Imax) 1238.39	—
(20%Imax) 2476.79	—
(30%Imax) 3715.18	—
(40%Imax) 4953.58	—
(50%Imax) 6191.97	—
(60%Imax) 7430.37	—
(70%Imax) 8668.76	—
(80%Imax) 9907.16	—
(90%Imax) 11145.6	—



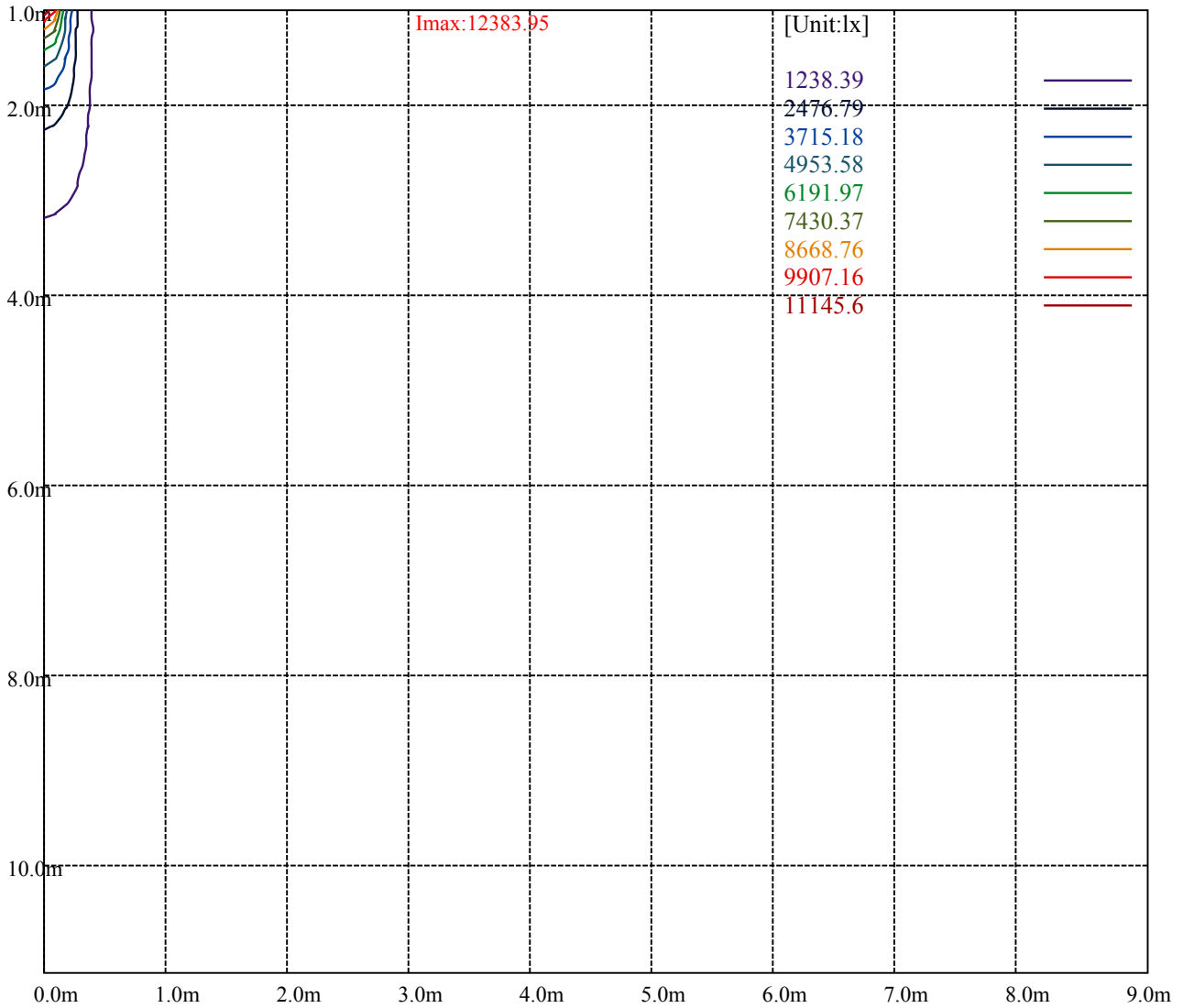
House

[Unit:cd]

Road

Imax:12383.95

(10%Imax)	1238.39	—
(20%Imax)	2476.79	—
(30%Imax)	3715.18	—
(40%Imax)	4953.58	—
(50%Imax)	6191.97	—
(60%Imax)	7430.37	—
(70%Imax)	8668.76	—
(80%Imax)	9907.16	—
(90%Imax)	11145.6	—



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

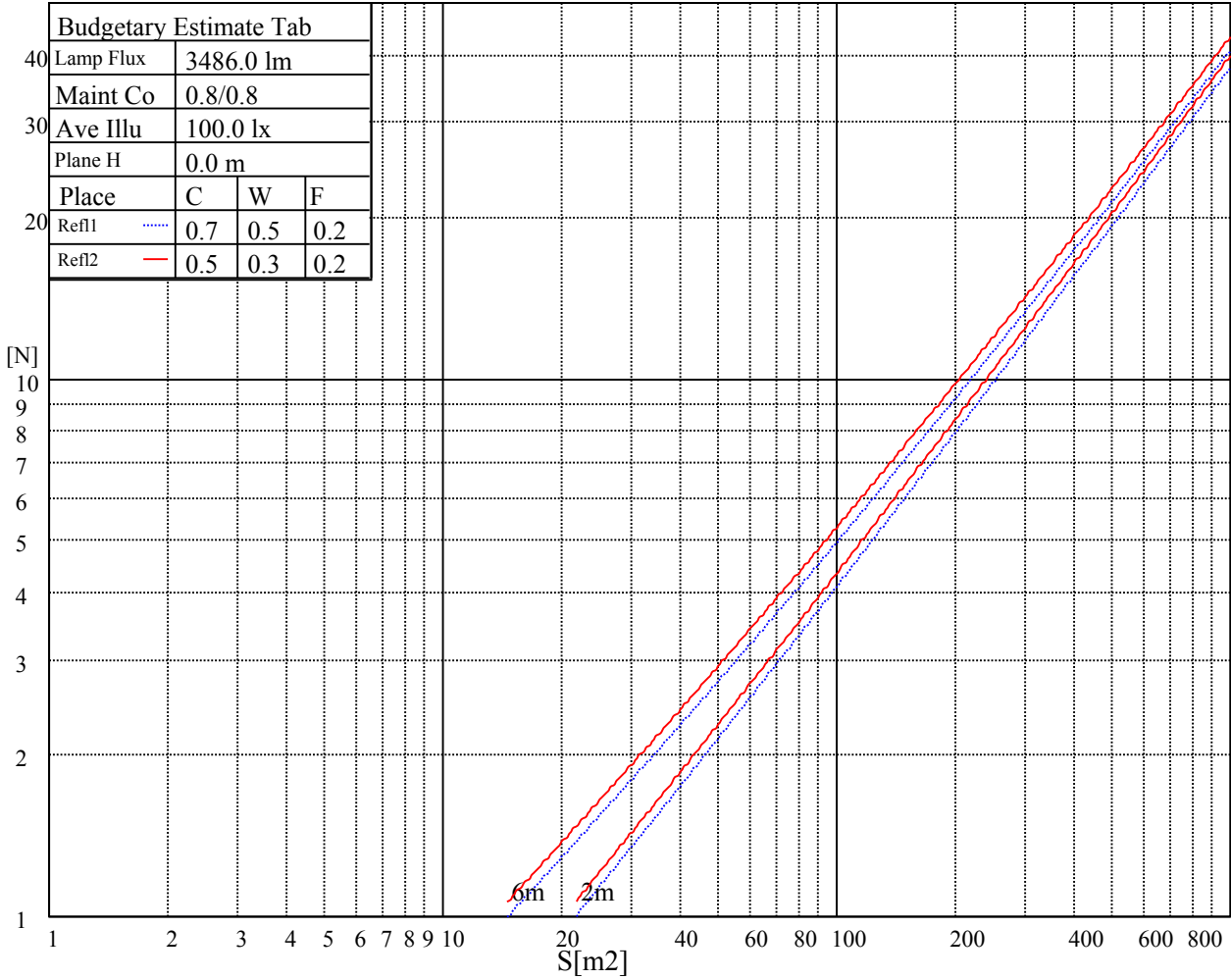
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

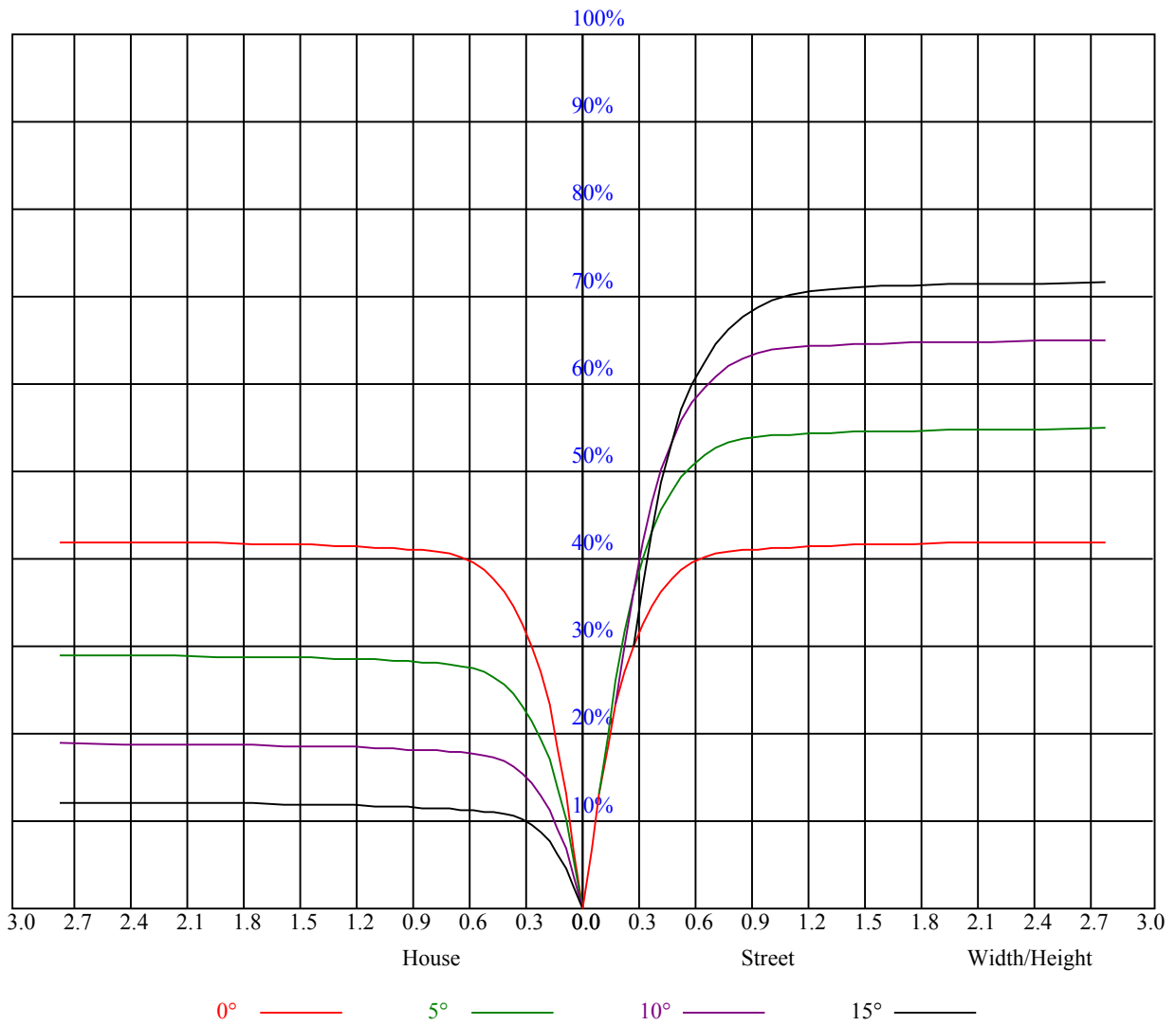


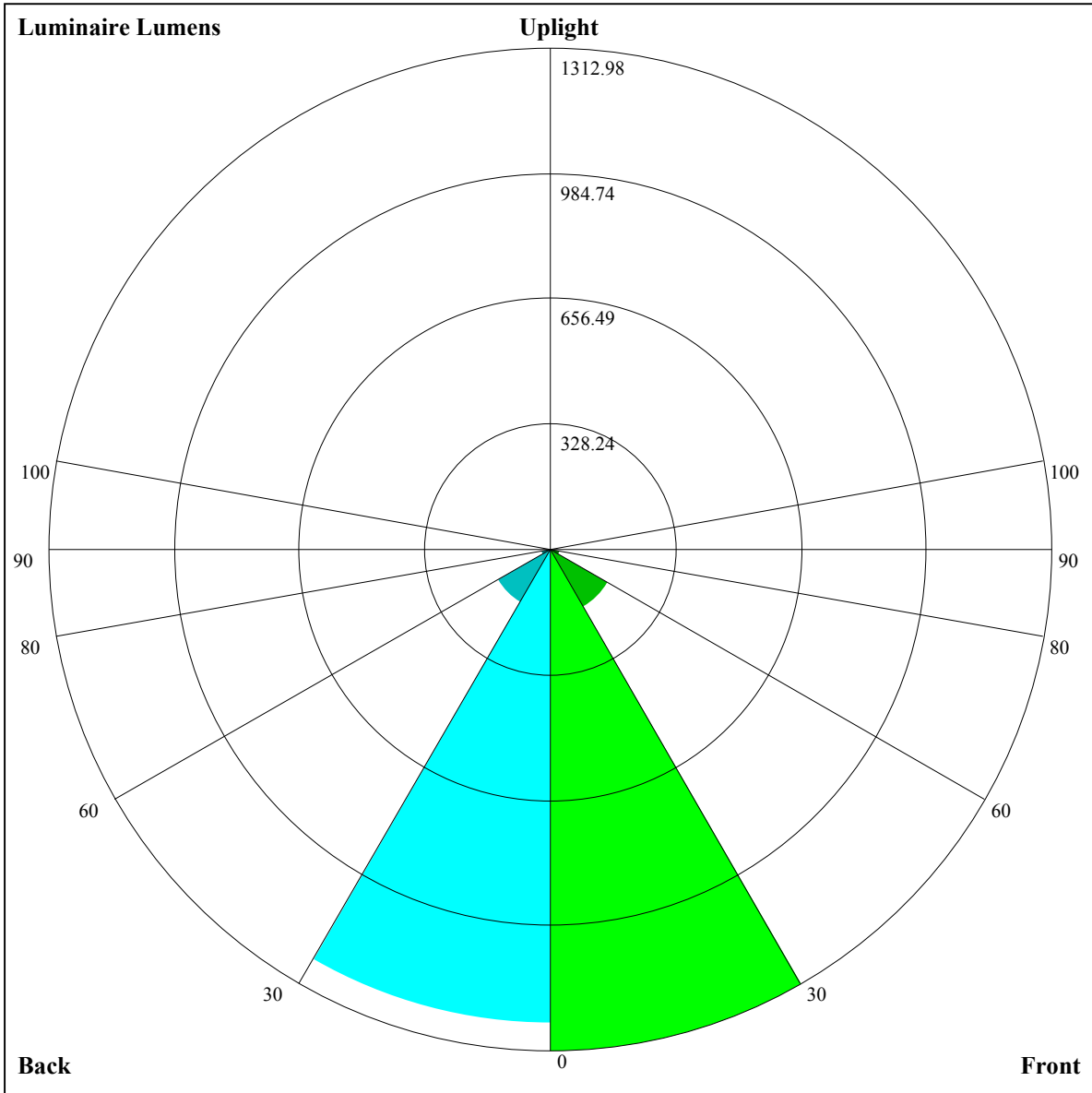
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.85
1	0.95	0.93	0.91	0.93	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.80
2	0.89	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.79	0.80	0.79	0.78	0.76
3	0.85	0.81	0.78	0.84	0.80	0.78	0.81	0.79	0.76	0.79	0.77	0.75	0.78	0.76	0.74	0.73
4	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.73	0.76	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.72	0.70	0.68	0.67
6	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
7	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.68	0.65	0.63	0.62
8	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.65	0.63	0.61	0.60
9	0.66	0.62	0.59	0.65	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.63	0.61	0.59	0.58
10	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.56





Luminaire Lumens:

FL=1312.98,FM=176.02,FH=23.66,FVH=7.63

BL=1238.92,BM=158.72,BH=24.17,BVH=7.57

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	12433.69	12433.69	12316.65	11574.64	11574.64	11180.20	10546.40	9609.45	8786.04
45.0	12322.50	12421.99	12416.13	12263.98	12024.03	11672.90	11187.16	10391.26	9653.87
90.0	12392.72	12328.35	11619.12	11619.12	11387.95	10814.43	9947.13	9159.41	8328.98
135.0	12386.87	12369.32	12193.75	11947.95	11596.82	10947.22	10280.06	9513.42	8489.27
180.0	12433.69	12293.24	12070.85	11748.98	11292.50	10537.56	9811.88	8992.57	8143.99
225.0	12322.50	11621.46	11621.46	11248.67	10640.62	9714.79	8886.11	8022.91	6946.68
270.0	12392.72	12357.61	12217.16	11906.99	11509.03	10976.48	10133.76	9332.00	8495.13
315.0	12386.87	12304.94	11667.69	11667.69	11311.29	10707.34	9969.37	8934.69	8065.04
360.0	12433.69	12433.69	12316.65	11574.64	11574.64	11180.20	10546.40	9609.45	8786.04
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7943.32	6887.57	6079.38	5359.55	4599.93	4092.54	3660.64	3289.61	2902.19
45.0	8852.11	7810.41	6979.39	5990.36	5288.09	4667.75	4146.90	3596.79	3233.95
90.0	7496.21	6471.48	5706.59	4879.08	4326.04	3752.52	3370.37	3043.81	2763.49
135.0	7664.11	6844.79	5879.17	5188.60	4603.38	4094.23	3561.68	3210.54	2976.45
180.0	7090.59	6265.42	5346.62	4726.28	4199.57	3649.46	3280.77	2976.45	2976.45
225.0	6124.44	5233.14	4636.21	4127.07	3686.98	3317.11	2927.35	2664.00	2428.74
270.0	7435.87	6593.14	5808.94	4966.22	4404.40	3912.81	3509.01	3081.79	2999.86
315.0	7200.08	6182.96	5457.28	4831.68	4171.54	3732.04	3356.91	2961.88	2691.51
360.0	7943.32	6887.57	6079.38	5359.55	4599.93	4092.54	3660.64	3289.61	2902.19
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2643.52	2418.21	2221.57	2004.45	1852.30	1690.19	1580.75	1487.70	1385.87
45.0	2999.86	2999.86	2393.04	2198.75	2026.11	1875.70	1715.35	1608.26	1513.45
90.0	2469.12	2265.46	2083.46	1924.28	1751.64	1636.35	1536.27	1451.42	1289.31
135.0	2976.45	2377.83	2182.95	2013.23	1828.30	1705.99	1574.90	1487.12	1405.18
180.0	2420.55	2209.28	2034.30	1878.63	1716.52	1603.58	1505.26	1401.67	1303.94
225.0	2219.23	1994.51	1839.42	1705.99	1569.05	1478.34	1374.75	1157.81	1157.81
270.0	2999.86	2330.42	2091.65	1934.81	1782.65	1628.74	1535.69	1425.08	1344.32
315.0	2455.08	2202.26	2026.11	1870.44	1737.01	1598.31	1503.50	1420.40	1166.29
360.0	2643.52	2418.21	2221.57	2004.45	1852.30	1690.19	1580.75	1487.70	1385.87
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1147.33	1147.33	1067.16	959.71	850.57	742.30	608.28	506.69	411.59
45.0	1408.70	1325.59	1229.62	1101.45	995.53	858.58	749.15	643.22	540.22
90.0	1157.11	1157.11	1025.55	916.81	780.28	673.42	568.84	467.36	351.31
135.0	1313.30	1185.72	1076.87	966.26	853.32	716.37	612.79	513.30	418.49
180.0	1203.28	1068.09	957.49	842.78	704.08	597.57	496.33	381.63	300.28
225.0	1078.34	943.56	833.24	723.69	592.07	491.94	399.42	314.27	222.27
270.0	1250.68	1152.37	1016.01	904.23	792.45	682.43	550.17	453.02	362.31
315.0	1166.29	1113.51	1004.25	864.38	754.12	623.32	523.66	430.43	340.66
360.0	1147.33	1147.33	1067.16	959.71	850.57	742.30	608.28	506.69	411.59
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	323.51	229.35	165.79	117.40	85.56	76.49	70.87	65.19	61.62
45.0	419.08	329.54	308.47	308.47	126.94	91.88	80.41	74.62	68.71
90.0	270.26	200.15	142.50	96.62	81.05	75.26	68.88	64.90	61.27
135.0	308.47	308.47	215.19	106.75	86.61	78.19	72.68	68.24	63.79
180.0	300.28	213.90	112.83	91.94	83.69	77.72	71.57	67.53	63.79
225.0	161.05	115.76	91.00	79.71	74.15	69.41	64.90	61.51	57.53
270.0	299.11	299.11	132.90	97.73	78.24	72.68	67.65	62.79	59.17
315.0	242.93	177.91	126.58	94.16	77.43	71.57	66.48	62.50	58.17
360.0	323.51	229.35	165.79	117.40	85.56	76.49	70.87	65.19	61.62

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	58.41	54.48	51.62	49.10	46.88	44.54	43.07	41.90	40.85
45.0	64.84	60.34	57.00	53.84	50.50	48.05	45.94	44.30	42.60
90.0	57.24	54.19	51.44	48.52	46.58	44.95	43.48	42.14	41.43
135.0	60.40	57.18	54.19	50.91	48.57	46.53	44.83	43.54	42.19
180.0	59.46	56.30	52.67	50.27	48.11	46.23	44.36	43.01	42.08
225.0	54.54	51.85	49.51	46.94	45.30	43.89	42.66	41.67	40.97
270.0	55.36	52.49	49.98	47.75	45.24	43.54	42.08	41.14	40.03
315.0	55.13	51.62	49.04	46.70	44.30	42.66	41.20	40.09	39.09
360.0	58.41	54.48	51.62	49.10	46.88	44.54	43.07	41.90	40.85
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	40.03	39.56	38.92	38.74	38.33	37.75	36.93	35.87	34.41
45.0	41.61	40.85	40.15	39.68	39.27	38.80	38.10	37.22	35.82
90.0	40.67	40.20	39.80	39.33	38.92	38.04	37.22	35.46	34.18
135.0	41.26	40.50	39.85	39.56	38.86	38.22	37.34	35.87	34.35
180.0	41.38	40.50	40.03	39.27	38.68	37.51	36.40	34.88	32.95
225.0	40.44	40.09	39.56	39.15	38.04	37.16	35.58	33.71	31.54
270.0	39.21	38.98	38.62	38.22	37.92	37.28	36.69	35.46	33.71
315.0	38.45	38.04	37.63	37.28	36.87	36.28	35.41	34.06	32.71
360.0	40.03	39.56	38.92	38.74	38.33	37.75	36.93	35.87	34.41
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	32.71	30.61	28.79	26.39	24.35	22.77	21.89	21.13	20.37
45.0	34.29	32.83	30.61	28.03	25.81	24.11	22.65	21.54	20.89
90.0	32.19	29.85	27.27	25.46	23.58	22.30	21.36	20.72	20.13
135.0	32.60	30.78	28.03	26.10	24.29	23.12	21.89	21.24	20.83
180.0	30.84	28.44	26.45	24.87	23.58	22.59	22.06	21.77	21.65
225.0	29.67	27.27	25.28	24.17	23.82	23.94	24.58	24.64	23.99
270.0	31.95	30.02	27.74	25.22	23.29	22.24	21.30	20.48	19.96
315.0	30.37	28.73	25.87	24.23	22.53	21.65	20.66	20.07	19.61
360.0	32.71	30.61	28.79	26.39	24.35	22.77	21.89	21.13	20.37
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.90	19.31	18.84	18.32	17.97	17.67	17.26	16.68	16.15
45.0	20.37	19.78	19.20	18.67	18.14	17.73	17.32	16.91	16.56
90.0	19.49	19.08	18.55	18.02	17.62	17.26	16.80	16.39	15.98
135.0	21.30	21.36	21.24	21.07	20.72	20.01	19.49	18.79	17.56
180.0	21.77	21.89	21.83	21.54	21.07	20.48	19.20	18.20	16.97
225.0	23.41	22.82	21.77	20.95	20.19	19.02	18.08	17.26	16.33
270.0	19.43	18.84	18.38	17.85	17.44	17.09	16.68	16.21	15.80
315.0	19.14	18.61	18.26	17.97	17.62	16.91	16.44	15.98	15.51
360.0	19.90	19.31	18.84	18.32	17.97	17.67	17.26	16.68	16.15
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.74	15.27	14.75	14.34	13.99	13.64	13.17	12.93	12.70
45.0	16.04	15.63	15.22	14.75	14.28	13.93	13.34	13.05	12.87
90.0	15.51	15.10	14.69	14.22	13.81	13.28	13.05	12.82	12.52
135.0	15.80	14.98	14.57	14.22	13.87	13.34	13.05	12.82	12.52
180.0	15.98	15.04	14.34	13.93	13.46	13.11	12.82	12.58	12.35
225.0	15.16	14.51	14.10	13.69	13.23	12.99	12.76	12.41	12.35
270.0	15.39	14.92	14.51	14.10	13.69	13.28	12.93	12.76	12.41
315.0	15.10	14.57	14.16	13.87	13.52	13.17	12.93	12.64	12.41
360.0	15.74	15.27	14.75	14.34	13.99	13.64	13.17	12.93	12.70

Intensity data(cd)

C/γ(°)	90.0
0.0	12.58
45.0	12.58
90.0	12.41
135.0	12.35
180.0	12.29
225.0	12.41
270.0	12.35
315.0	12.35
360.0	12.58