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NT

Client:

LumCAT: 2-2686-L

Luminaire: 92.70.411.00

Report No: 2024403-B019

Ballast type: AC

Test No: 2024403-C019

Voltage(V): 34.410

LampCAT: Fortimo\_SLM\_C\_1208

Current(A): 0.578

Lamp flux(lm): 3438.0

Power (W): 19.888

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2915.11, Efficiency(%): 84.79% , Luminous Efficacy(lm/W): 146.58

Central intensity(cd): 15143.280, Maximum intensity(cd): 15143.280

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.8

[C90/270]Total=18.8

Field angle(10%Imax): [C0/180]Total=46.8

[C90/270]Total=46.8

Maximum s/h(1/2): C0\_180=0.32 C90\_270=0.32

Maximum s/h(1/4): C0\_180=0.34 C90\_270=0.34

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.79%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.117%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/4/03  
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	15143.282	0.000	0	0.00%	0.00%
1.0	15039.405	14.442	14.442	0.42%	0.50%
2.0	14671.444	42.644	57.086	1.24%	1.96%
3.0	13871.376	68.265	125.351	1.99%	4.30%
4.0	12961.951	89.820	215.17	2.61%	7.38%
5.0	12259.981	108.503	323.674	3.16%	11.10%
6.0	11444.324	124.572	448.246	3.62%	15.38%
7.0	10358.804	135.332	583.578	3.94%	20.02%
8.0	9143.731	139.576	723.154	4.06%	24.81%
9.0	8024.781	139.141	862.295	4.05%	29.58%
10.0	6885.421	134.932	997.227	3.92%	34.21%
11.0	5974.957	128.502	1125.729	3.74%	38.62%
12.0	5061.128	120.640	1246.369	3.51%	42.76%
13.0	4376.342	111.999	1358.368	3.26%	46.60%
14.0	3837.350	105.135	1463.503	3.06%	50.20%
15.0	3373.925	99.000	1562.502	2.88%	53.60%
16.0	3017.669	93.655	1656.157	2.72%	56.81%
17.0	2792.284	90.477	1746.633	2.63%	59.92%
18.0	2554.478	88.157	1834.79	2.56%	62.94%
19.0	2305.252	84.549	1919.339	2.46%	65.84%
20.0	2064.074	79.971	1999.31	2.33%	68.58%
21.0	1884.849	75.827	2075.137	2.21%	71.19%
22.0	1732.690	72.696	2147.833	2.11%	73.68%
23.0	1589.969	69.718	2217.552	2.03%	76.07%
24.0	1416.918	65.741	2283.293	1.91%	78.33%
25.0	1291.621	61.586	2344.879	1.79%	80.44%
26.0	1190.545	58.592	2403.471	1.70%	82.45%
27.0	1082.608	55.613	2459.084	1.62%	84.36%
28.0	955.351	51.597	2510.681	1.50%	86.13%
29.0	834.567	46.829	2557.511	1.36%	87.73%
30.0	721.180	42.005	2599.515	1.22%	89.17%
31.0	618.415	37.279	2636.794	1.08%	90.45%
32.0	521.070	32.645	2669.439	0.95%	91.57%
33.0	436.373	28.207	2697.646	0.82%	92.54%
34.0	360.550	24.117	2721.763	0.70%	93.37%
35.0	296.212	20.397	2742.16	0.59%	94.07%
36.0	255.151	17.555	2759.715	0.51%	94.67%
37.0	211.295	15.213	2774.928	0.44%	95.19%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	155.238	12.234	2787.162	0.36%	95.61%
39.0	117.835	9.321	2796.483	0.27%	95.93%
40.0	93.299	7.364	2803.847	0.21%	96.18%
41.0	73.980	5.957	2809.804	0.17%	96.39%
42.0	61.149	4.909	2814.713	0.14%	96.56%
43.0	50.944	4.152	2818.865	0.12%	96.70%
44.0	44.360	3.597	2822.462	0.10%	96.82%
45.0	39.378	3.218	2825.68	0.09%	96.93%
46.0	35.962	2.946	2828.627	0.09%	97.03%
47.0	33.131	2.748	2831.375	0.08%	97.13%
48.0	30.922	2.589	2833.964	0.08%	97.22%
49.0	28.947	2.459	2836.423	0.07%	97.30%
50.0	27.337	2.347	2838.769	0.07%	97.38%
51.0	26.050	2.259	2841.028	0.07%	97.46%
52.0	25.004	2.191	2843.219	0.06%	97.53%
53.0	24.214	2.141	2845.36	0.06%	97.61%
54.0	23.614	2.108	2847.468	0.06%	97.68%
55.0	23.204	2.090	2849.558	0.06%	97.75%
56.0	22.970	2.086	2851.644	0.06%	97.82%
57.0	22.882	2.096	2853.741	0.06%	97.89%
58.0	22.912	2.118	2855.858	0.06%	97.97%
59.0	23.094	2.151	2858.009	0.06%	98.04%
60.0	23.292	2.191	2860.201	0.06%	98.12%
61.0	23.409	2.229	2862.429	0.06%	98.19%
62.0	23.446	2.258	2864.687	0.07%	98.27%
63.0	23.226	2.270	2866.957	0.07%	98.35%
64.0	22.751	2.256	2869.213	0.07%	98.43%
65.0	22.078	2.219	2871.431	0.06%	98.50%
66.0	21.200	2.159	2873.591	0.06%	98.58%
67.0	20.307	2.087	2875.678	0.06%	98.65%
68.0	19.437	2.013	2877.691	0.06%	98.72%
69.0	18.903	1.956	2879.647	0.06%	98.78%
70.0	18.625	1.927	2881.574	0.06%	98.85%
71.0	18.369	1.912	2883.486	0.06%	98.92%
72.0	18.193	1.901	2885.388	0.06%	98.98%
73.0	18.135	1.900	2887.287	0.06%	99.05%
74.0	18.127	1.906	2889.194	0.06%	99.11%
75.0	17.930	1.905	2891.099	0.06%	99.18%

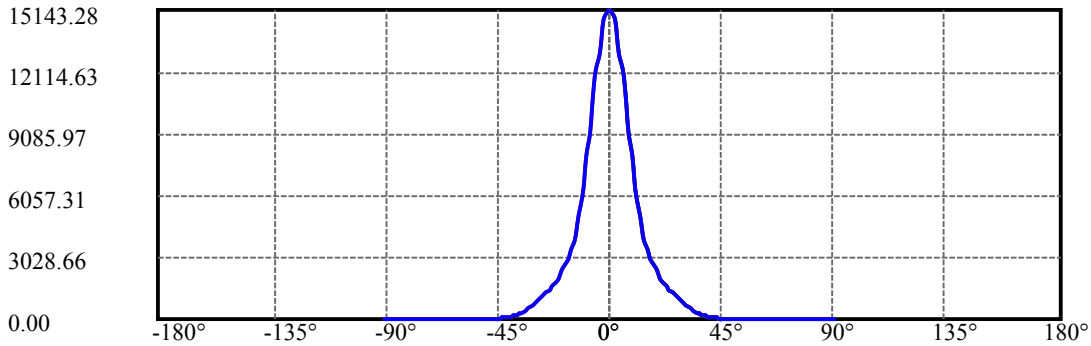
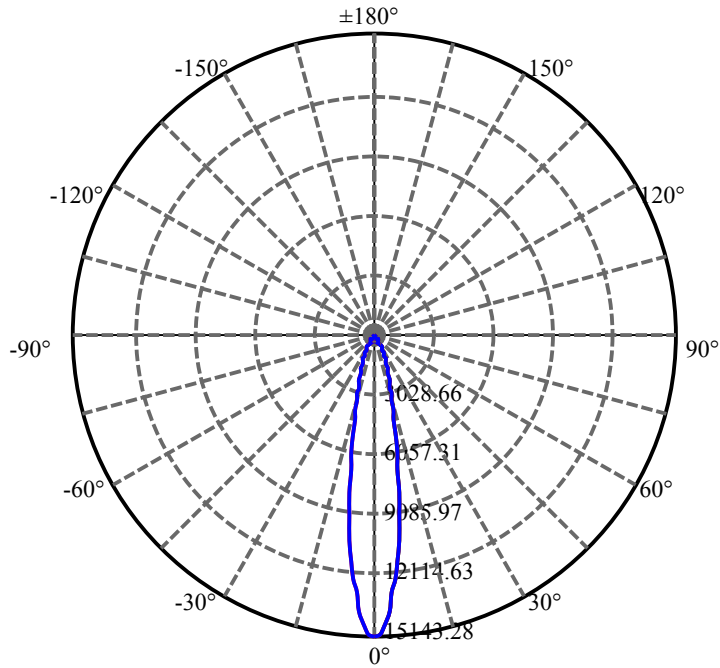
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.718	1.892	2892.991	0.06%	99.24%
77.0	17.410	1.873	2894.864	0.05%	99.31%
78.0	17.045	1.844	2896.708	0.05%	99.37%
79.0	16.591	1.807	2898.516	0.05%	99.43%
80.0	15.984	1.756	2900.272	0.05%	99.49%
81.0	15.238	1.688	2901.96	0.05%	99.55%
82.0	14.418	1.608	2903.568	0.05%	99.60%
83.0	13.914	1.540	2905.109	0.04%	99.66%
84.0	13.606	1.499	2906.608	0.04%	99.71%
85.0	13.350	1.471	2908.079	0.04%	99.76%
86.0	13.109	1.446	2909.525	0.04%	99.81%
87.0	12.868	1.422	2910.947	0.04%	99.86%
88.0	12.685	1.400	2912.347	0.04%	99.91%
89.0	12.568	1.384	2913.731	0.04%	99.95%
90.0	12.495	1.374	2915.105	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2599.52	75.61%	89.17%
0-40	2803.85	81.55%	96.18%
0-60	2860.20	83.19%	98.12%
0-90	2913.73	84.75%	99.95%
0-120	2913.73	84.75%	99.95%
0-180	2915.11	84.79%	100.00%
60-90	53.53	1.56%	1.84%
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%
0-24.79	2332.08	67.83%	80.00%

ZONAL LUMEN SUMMARY

0-10	997.23
10-20	1002.08
20-30	600.21
30-40	204.33
40-50	34.92
50-60	21.43
60-70	21.37
70-80	18.70
80-90	13.46
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



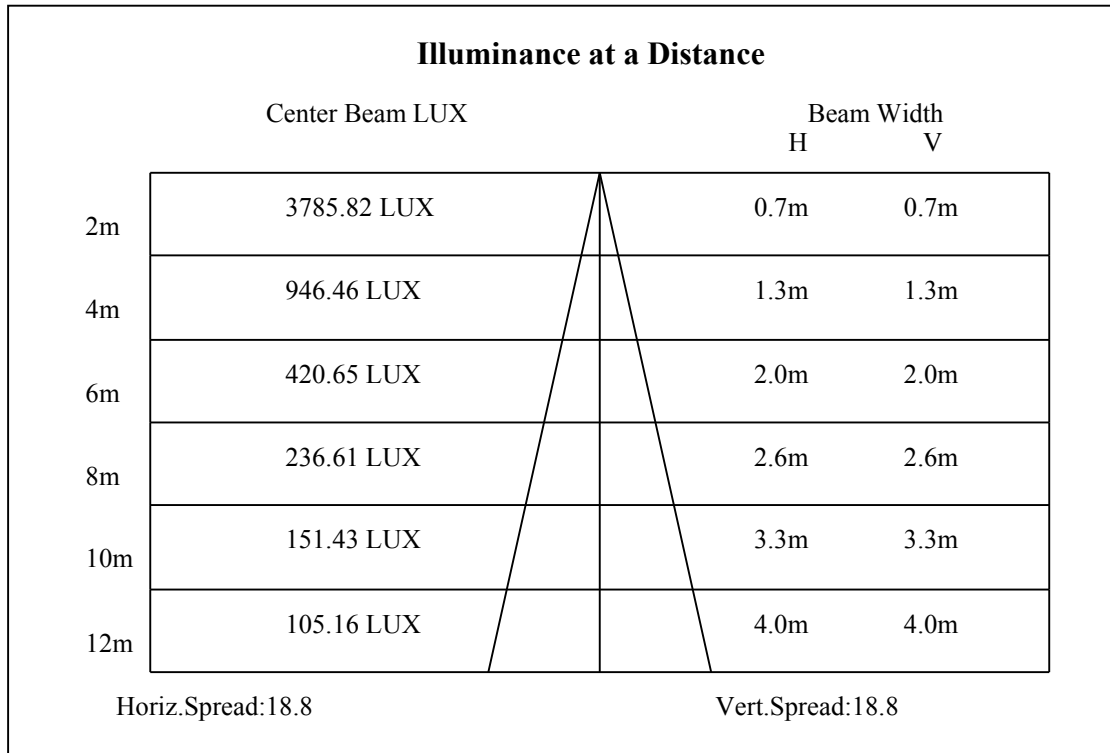
C0(Max): —————

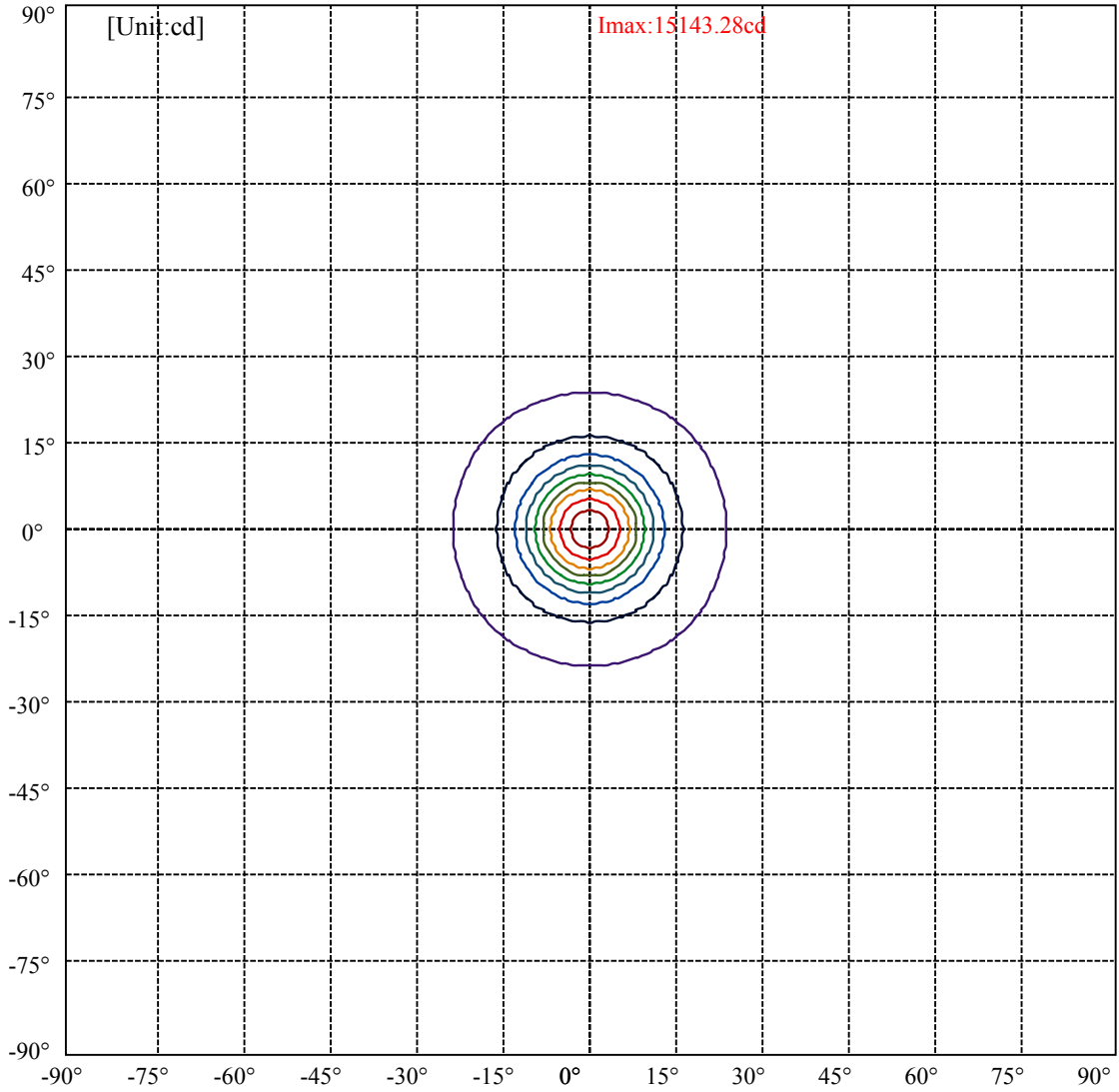
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:23.4 Right:23.4  
:C90/270Left:23.4 Right:23.4

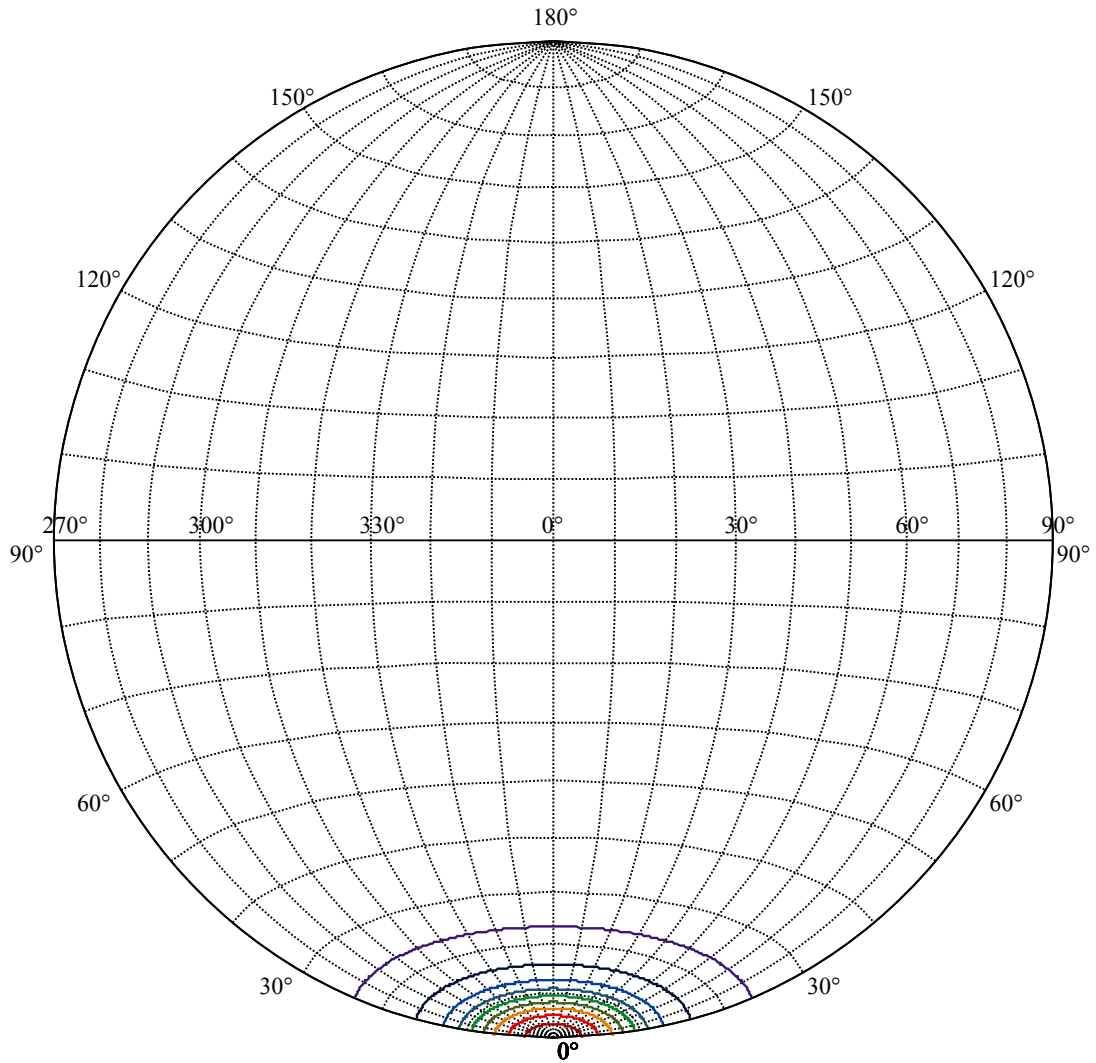
Beam Angle(50%Imax):C0/180Left:9.4 Right:9.4  
:C90/270Left:9.4 Right:9.4





(10%Imax) 1514.33	—
(20%Imax) 3028.66	—
(30%Imax) 4542.98	—
(40%Imax) 6057.31	—
(50%Imax) 7571.64	—
(60%Imax) 9085.97	—
(70%Imax) 10600.3	—
(80%Imax) 12114.6	—
(90%Imax) 13629	—





House

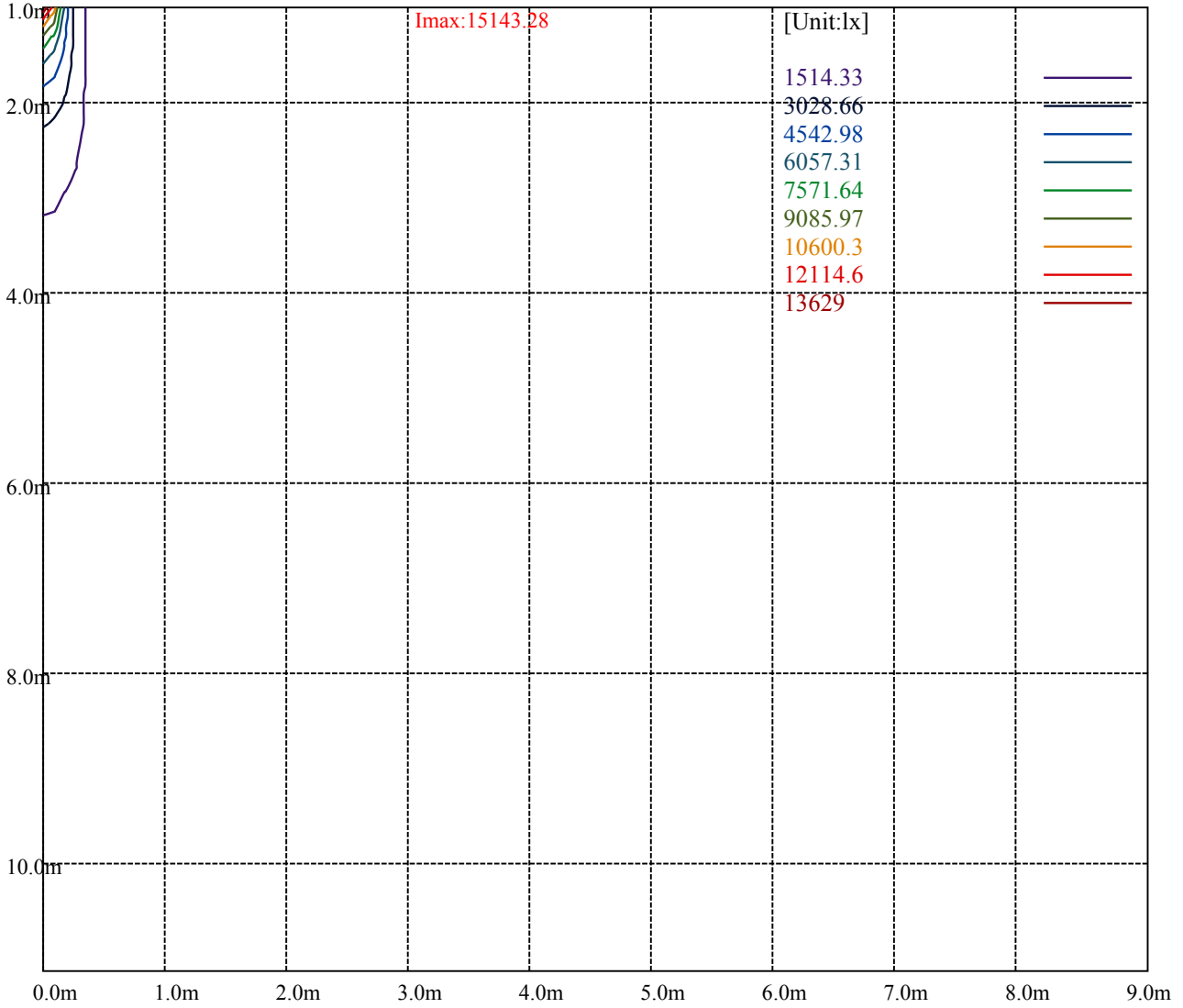
[Unit:cd]

Road

**Imax:15143.28**

(10%Imax)	1514.33	—
(20%Imax)	3028.66	—
(30%Imax)	4542.98	—
(40%Imax)	6057.31	—
(50%Imax)	7571.64	—
(60%Imax)	9085.97	—
(70%Imax)	10600.3	—
(80%Imax)	12114.6	—
(90%Imax)	13629	—





Luminance Table

$\gamma$	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

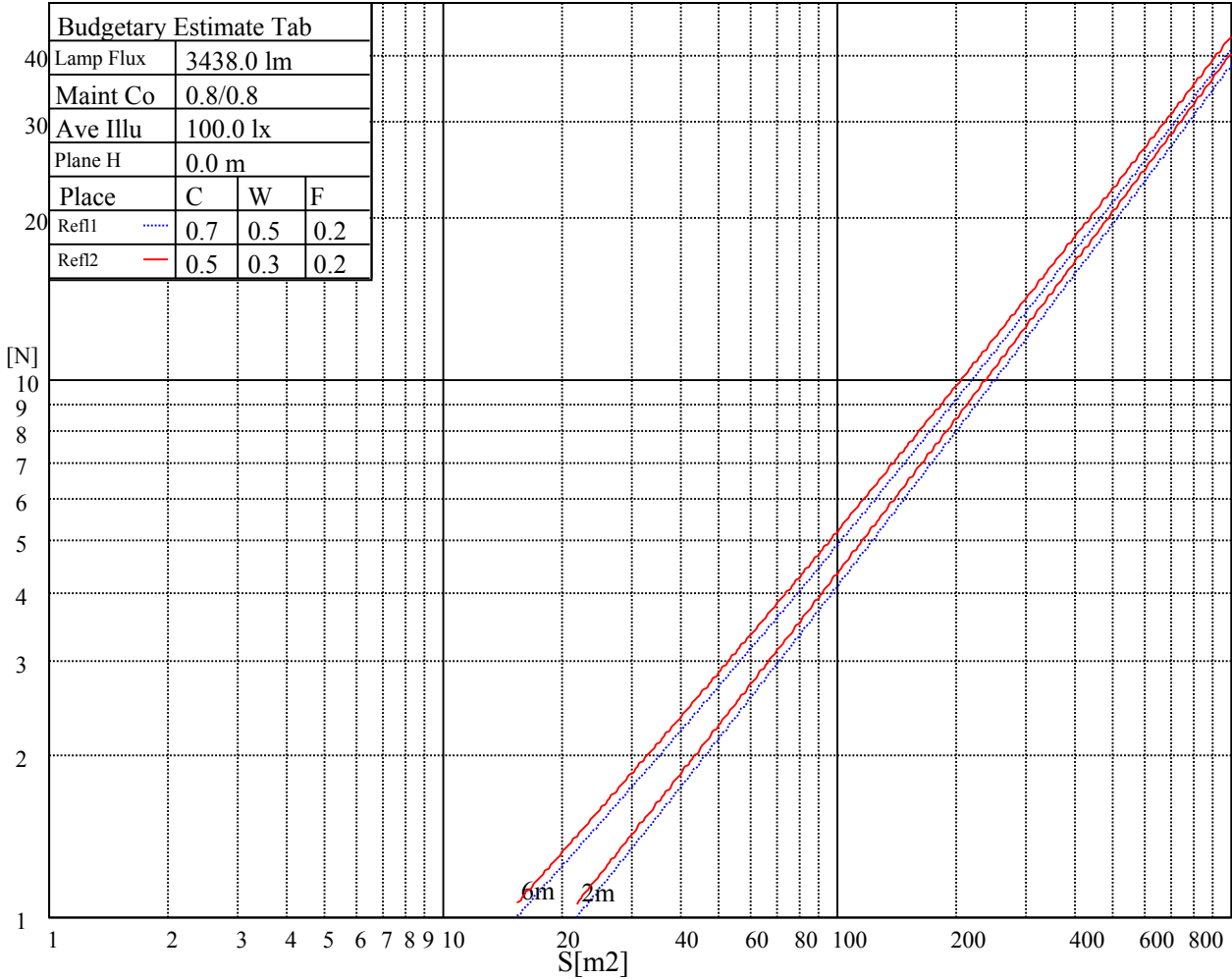
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

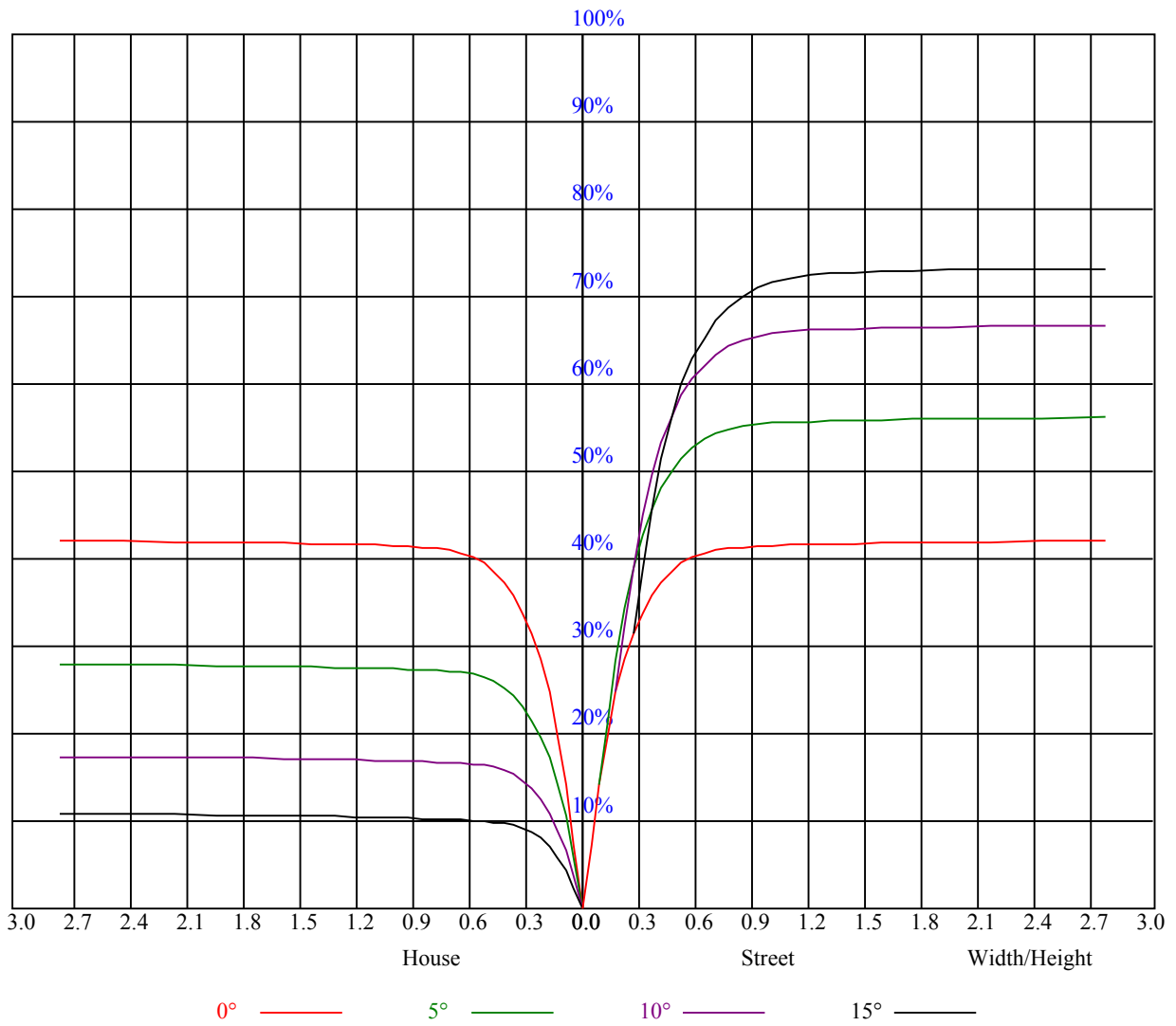


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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					

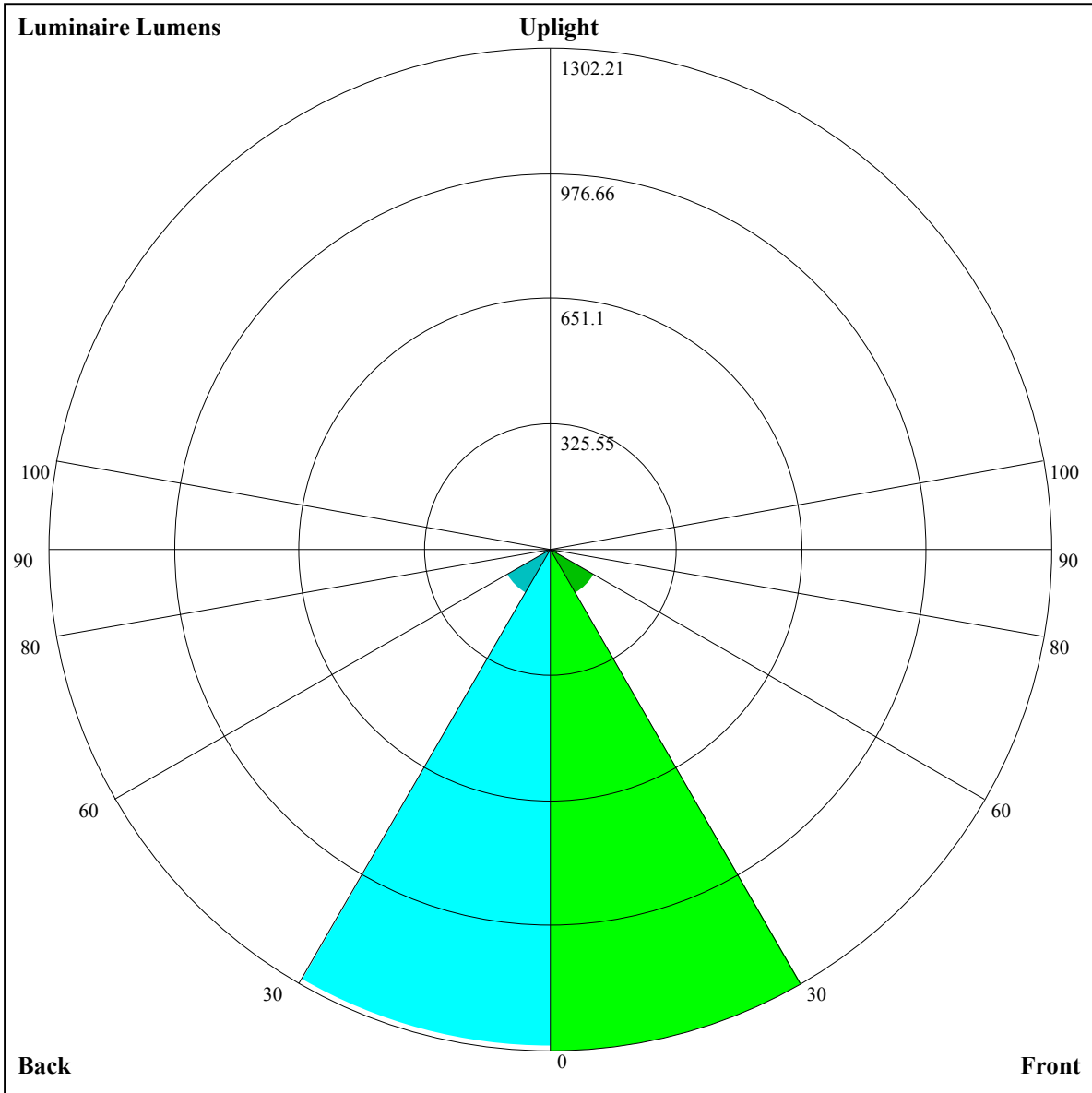
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.01	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	0.88	0.87	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	0.83	0.82	0.80	0.81	0.80	0.79	0.77
3	0.86	0.82	0.80	0.85	0.81	0.79	0.82	0.80	0.78	0.80	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	0.75	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	0.61	0.59	0.64	0.61	0.59	0.58







Luminaire Lumens:

FL=1302.21,FM=132.16,FH=20.42,FVH=7.47

BL=1292.52,BM=130.26,BH=19.53,BVH=7.4

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	15201.80	15049.65	14669.25	14142.55	11631.41	11631.41	11380.34	10325.77	8988.53
45.0	15043.79	15236.92	15219.36	14885.78	14394.19	13721.19	12925.28	11725.57	10701.42
90.0	15248.62	15195.95	14833.11	14335.67	13668.52	11664.18	11664.18	10608.43	9528.11
135.0	15078.91	15201.80	15037.94	14704.36	13972.83	13217.89	12322.50	11351.02	10040.12
180.0	15201.80	15102.32	14798.00	14347.38	13492.95	12656.08	11725.57	10648.75	9255.92
225.0	15043.79	14657.55	13955.28	11586.93	11586.93	11334.70	9983.41	8859.78	7782.97
270.0	15248.62	15096.46	14721.92	14025.50	13311.53	12217.16	11233.98	10151.31	8752.63
315.0	15078.91	14774.59	14136.70	12942.84	11637.26	11637.26	10319.33	9199.80	8100.16
360.0	15201.80	15049.65	14669.25	14142.55	11631.41	11631.41	11380.34	10325.77	8988.53
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7915.23	6666.36	5751.06	4979.74	4203.14	3713.31	3314.19	2991.14	2659.91
45.0	9390.52	8319.56	7289.56	6119.11	5293.95	4591.68	4024.01	3456.34	3105.20
90.0	8438.42	7137.46	6174.18	5131.90	4465.33	3921.65	3388.51	3043.23	2765.25
135.0	8969.16	7904.05	6909.17	5785.53	5013.04	4363.44	3725.54	3315.88	2994.01
180.0	8196.66	6885.76	5943.55	5135.93	4310.77	3807.47	3374.41	3052.53	2982.31
225.0	6520.05	5632.26	4880.25	4120.63	3637.23	3245.13	2855.96	2606.07	2385.44
270.0	7710.92	6663.37	5756.27	4778.95	4182.02	3690.43	3274.92	2976.45	2976.45
315.0	7057.29	5874.55	5095.61	4437.23	3905.26	3365.69	3033.86	2699.70	2469.71
360.0	7915.23	6666.36	5751.06	4979.74	4203.14	3713.31	3314.19	2991.14	2659.91
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2438.69	2237.96	2054.20	1854.64	1715.35	1584.85	1436.79	1143.12	1143.12
45.0	2953.05	2953.05	2323.40	2132.03	1959.39	1768.02	1635.18	1512.87	1364.22
90.0	2482.58	2284.78	2105.11	1938.32	1756.32	1625.23	1499.99	1299.84	1145.99
135.0	2994.01	2458.59	2261.95	2037.23	1876.88	1739.35	1577.24	1460.19	1344.91
180.0	2687.41	2293.56	2105.70	1893.26	1751.05	1619.38	1465.46	1342.56	1224.35
225.0	2178.27	1952.37	1794.36	1656.83	1529.25	1387.04	1141.48	1141.48	1035.91
270.0	2436.35	2232.11	1998.02	1841.76	1676.14	1549.15	1424.50	1278.19	1168.17
315.0	2265.46	2029.62	1869.85	1724.72	1597.14	1446.73	1154.71	1154.71	1097.71
360.0	2438.69	2237.96	2054.20	1854.64	1715.35	1584.85	1436.79	1143.12	1143.12
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1054.81	938.88	826.63	692.50	598.39	511.08	429.85	340.02	279.15
45.0	1247.76	1101.45	986.16	872.04	763.19	637.95	549.00	465.31	388.06
90.0	1116.90	1000.97	858.64	749.15	646.97	533.32	449.39	374.08	292.44
135.0	1224.93	1076.87	959.83	845.12	735.69	614.54	526.18	443.66	352.36
180.0	1086.24	968.02	850.39	714.03	616.89	530.27	448.93	359.39	298.52
225.0	924.19	784.61	681.38	588.50	483.28	405.62	337.91	279.27	217.76
270.0	1052.88	935.25	788.36	683.60	588.79	502.77	405.62	338.90	308.47
315.0	953.16	836.75	725.15	624.49	514.12	433.01	344.11	283.78	232.92
360.0	1054.81	938.88	826.63	692.50	598.39	511.08	429.85	340.02	279.15
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	228.00	185.98	143.03	115.17	88.13	71.81	59.46	50.86	43.60
45.0	304.96	304.96	237.60	159.94	122.90	99.55	81.00	63.26	53.37
90.0	238.89	194.53	157.19	118.98	95.68	77.13	63.20	51.44	45.18
135.0	304.96	304.96	179.55	144.32	115.29	86.91	70.29	58.17	49.74
180.0	298.52	235.49	151.11	120.73	95.86	72.22	59.11	49.92	42.37
225.0	176.80	141.86	112.95	85.38	69.00	57.24	48.87	41.90	38.04
270.0	308.47	175.33	140.86	106.51	85.27	65.55	54.84	47.29	42.08
315.0	180.60	147.24	119.62	91.65	74.27	61.45	52.44	44.71	40.50
360.0	228.00	185.98	143.03	115.17	88.13	71.81	59.46	50.86	43.60

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	39.56	36.28	33.07	31.08	29.32	27.86	26.34	25.40	24.70
45.0	44.77	40.03	36.64	33.77	30.90	28.97	27.33	25.98	24.70
90.0	40.67	36.40	33.71	31.43	29.09	27.51	25.93	24.93	24.05
135.0	42.78	38.92	35.87	33.30	30.61	28.79	27.33	25.87	24.99
180.0	38.39	35.23	32.13	30.08	28.38	26.69	25.57	24.64	23.88
225.0	34.24	31.78	29.79	27.68	26.34	25.28	24.40	23.58	23.12
270.0	37.40	34.53	32.13	30.08	28.50	26.74	25.63	24.70	23.88
315.0	37.22	34.53	31.72	29.96	28.44	26.86	25.87	24.93	24.40
360.0	39.56	36.28	33.07	31.08	29.32	27.86	26.34	25.40	24.70
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.17	23.70	23.53	23.41	23.47	23.64	23.88	23.99	23.99
45.0	23.88	23.35	22.94	22.65	22.53	22.71	22.88	23.06	23.35
90.0	23.41	22.88	22.59	22.47	22.47	22.65	22.88	23.06	23.23
135.0	24.11	23.58	23.23	23.00	22.88	22.94	23.06	23.29	23.53
180.0	23.17	22.82	22.59	22.47	22.53	22.71	23.06	23.17	23.29
225.0	22.77	22.53	22.47	22.65	22.77	23.00	23.12	23.00	22.71
270.0	23.41	23.00	22.82	22.77	22.88	23.12	23.29	23.41	23.35
315.0	23.99	23.76	23.58	23.64	23.76	23.99	24.17	24.29	24.11
360.0	24.17	23.70	23.53	23.41	23.47	23.64	23.88	23.99	23.99
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.82	23.23	22.53	21.65	20.54	19.78	20.19	21.42	21.54
45.0	23.41	23.23	22.94	22.24	21.30	20.42	19.55	18.61	17.97
90.0	23.06	22.77	21.95	21.13	20.31	19.20	18.49	17.79	17.38
135.0	23.58	23.41	22.82	22.24	21.42	20.31	19.55	18.79	18.26
180.0	23.00	22.53	21.89	21.01	19.96	19.14	18.43	18.02	17.56
225.0	22.18	21.30	20.42	19.55	18.84	17.97	17.50	17.09	16.74
270.0	23.12	22.53	21.89	20.78	19.90	19.14	18.26	17.79	17.50
315.0	23.64	23.00	22.18	21.01	20.19	19.55	19.25	19.49	20.01
360.0	23.82	23.23	22.53	21.65	20.54	19.78	20.19	21.42	21.54
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	21.30	20.78	20.42	19.61	19.02	18.43	17.85	17.26	16.56
45.0	17.50	17.03	16.68	16.44	16.15	15.92	15.57	15.33	15.04
90.0	17.15	17.32	17.62	17.62	17.44	17.03	16.74	16.15	15.57
135.0	18.38	18.67	18.90	18.79	18.49	18.38	17.91	17.50	17.09
180.0	17.26	16.85	16.44	16.15	15.86	15.51	15.22	14.86	14.63
225.0	16.39	16.09	15.86	15.57	15.27	15.04	14.69	14.46	14.22
270.0	17.44	17.85	18.14	18.49	18.49	18.38	18.08	17.50	16.85
315.0	20.13	20.48	20.95	20.78	21.01	20.60	20.31	19.66	17.91
360.0	21.30	20.78	20.42	19.61	19.02	18.43	17.85	17.26	16.56
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.57	14.28	13.93	13.64	13.40	13.28	12.82	12.58	12.47
45.0	14.81	14.46	14.16	13.93	13.64	13.46	13.11	12.93	12.70
90.0	14.92	14.40	13.93	13.58	13.34	13.11	12.99	12.76	12.70
135.0	16.56	15.86	14.46	13.81	13.58	13.23	13.05	12.87	12.70
180.0	14.28	13.99	13.69	13.46	13.17	12.93	12.76	12.58	12.41
225.0	13.93	13.69	13.52	13.23	12.93	12.82	12.64	12.47	12.52
270.0	15.86	14.46	13.75	13.58	13.34	13.05	12.82	12.70	12.52
315.0	15.98	14.22	13.87	13.64	13.40	12.99	12.76	12.58	12.52
360.0	15.57	14.28	13.93	13.64	13.40	13.28	12.82	12.58	12.47

Intensity data(cd)

C/γ(°)	90.0
0.0	12.41
45.0	12.52
90.0	12.52
135.0	12.52
180.0	12.47
225.0	12.47
270.0	12.52
315.0	12.52
360.0	12.41