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NT

Client:

LumCAT: 2-2685-L

Luminaire: 92.70.411.00

Report No: 2024330-B016

Ballast type: AC

Test No: 2024330-C016

Voltage(V): 34.140

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.576

Lamp flux(lm): 2850.0

Power (W): 19.664

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2455.50, Efficiency(%): 86.16% , Luminous Efficacy(lm/W): 124.87

Central intensity(cd): 4115.654, Maximum intensity(cd): 4115.654

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=45.8

[C90/270]Total=45.8

Field angle(10%Imax): [C0/180]Total=70.2

[C90/270]Total=70.2

Maximum s/h(1/2): C0_180=0.73 C90_270=0.73

Maximum s/h(1/4): C0_180=0.72 C90_270=0.72

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 86.16%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.941%

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	4115.653	0.000	0	0.00%	0.00%
1.0	4112.874	3.937	3.937	0.14%	0.16%
2.0	4098.462	11.786	15.723	0.41%	0.64%
3.0	4078.565	19.557	35.28	0.69%	1.44%
4.0	4049.596	27.208	62.487	0.95%	2.54%
5.0	4015.872	34.697	97.184	1.22%	3.96%
6.0	3972.566	41.981	139.166	1.47%	5.67%
7.0	3926.040	49.027	188.192	1.72%	7.66%
8.0	3869.493	55.791	243.983	1.96%	9.94%
9.0	3794.804	62.115	306.098	2.18%	12.47%
10.0	3720.553	68.011	374.11	2.39%	15.24%
11.0	3630.575	73.453	447.563	2.58%	18.23%
12.0	3533.867	78.318	525.88	2.75%	21.42%
13.0	3432.403	82.672	608.552	2.90%	24.78%
14.0	3325.088	86.495	695.047	3.03%	28.31%
15.0	3203.434	89.626	784.674	3.14%	31.96%
16.0	3073.294	91.972	876.646	3.23%	35.70%
17.0	2947.105	93.754	970.399	3.29%	39.52%
18.0	2786.827	94.540	1064.939	3.32%	43.37%
19.0	2648.787	94.569	1159.508	3.32%	47.22%
20.0	2495.751	94.159	1253.667	3.30%	51.06%
21.0	2346.664	92.984	1346.652	3.26%	54.84%
22.0	2189.239	91.151	1437.802	3.20%	58.55%
23.0	2037.739	88.693	1526.496	3.11%	62.17%
24.0	1898.236	86.055	1612.55	3.02%	65.67%
25.0	1759.976	83.180	1695.73	2.92%	69.06%
26.0	1629.032	79.998	1775.728	2.81%	72.32%
27.0	1439.902	75.082	1850.81	2.63%	75.37%
28.0	1296.368	69.277	1920.087	2.43%	78.20%
29.0	1184.086	64.896	1984.982	2.28%	80.84%
30.0	1059.842	60.586	2045.568	2.13%	83.31%
31.0	920.742	55.117	2100.685	1.93%	85.55%
32.0	790.376	49.022	2149.706	1.72%	87.55%
33.0	656.030	42.612	2192.318	1.50%	89.28%
34.0	539.665	36.185	2228.503	1.27%	90.76%
35.0	423.644	29.917	2258.42	1.05%	91.97%
36.0	325.634	23.857	2282.277	0.84%	92.95%
37.0	266.197	19.302	2301.579	0.68%	93.73%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	203.212	15.668	2317.248	0.55%	94.37%
39.0	130.059	11.375	2328.623	0.40%	94.83%
40.0	88.888	7.636	2336.259	0.27%	95.14%
41.0	75.633	5.859	2342.118	0.21%	95.38%
42.0	66.840	5.176	2347.294	0.18%	95.59%
43.0	60.161	4.704	2351.999	0.17%	95.79%
44.0	54.711	4.336	2356.334	0.15%	95.96%
45.0	50.585	4.047	2360.381	0.14%	96.13%
46.0	47.118	3.821	2364.202	0.13%	96.28%
47.0	44.236	3.633	2367.835	0.13%	96.43%
48.0	41.800	3.478	2371.313	0.12%	96.57%
49.0	39.590	3.342	2374.656	0.12%	96.71%
50.0	37.630	3.220	2377.875	0.11%	96.84%
51.0	35.699	3.102	2380.978	0.11%	96.97%
52.0	34.016	2.992	2383.969	0.10%	97.09%
53.0	32.480	2.893	2386.862	0.10%	97.20%
54.0	31.112	2.803	2389.665	0.10%	97.32%
55.0	29.890	2.723	2392.388	0.10%	97.43%
56.0	28.778	2.651	2395.039	0.09%	97.54%
57.0	27.718	2.583	2397.622	0.09%	97.64%
58.0	26.598	2.512	2400.134	0.09%	97.75%
59.0	25.523	2.437	2402.57	0.09%	97.84%
60.0	24.499	2.363	2404.933	0.08%	97.94%
61.0	23.343	2.283	2407.217	0.08%	98.03%
62.0	22.187	2.194	2409.411	0.08%	98.12%
63.0	21.097	2.105	2411.516	0.07%	98.21%
64.0	20.146	2.024	2413.54	0.07%	98.29%
65.0	19.232	1.949	2415.488	0.07%	98.37%
66.0	18.464	1.881	2417.369	0.07%	98.45%
67.0	17.769	1.822	2419.191	0.06%	98.52%
68.0	17.140	1.768	2420.959	0.06%	98.59%
69.0	16.737	1.728	2422.688	0.06%	98.66%
70.0	16.525	1.708	2424.396	0.06%	98.73%
71.0	16.511	1.707	2426.103	0.06%	98.80%
72.0	16.613	1.722	2427.826	0.06%	98.87%
73.0	16.723	1.743	2429.569	0.06%	98.94%
74.0	16.803	1.763	2431.331	0.06%	99.02%
75.0	16.847	1.778	2433.109	0.06%	99.09%

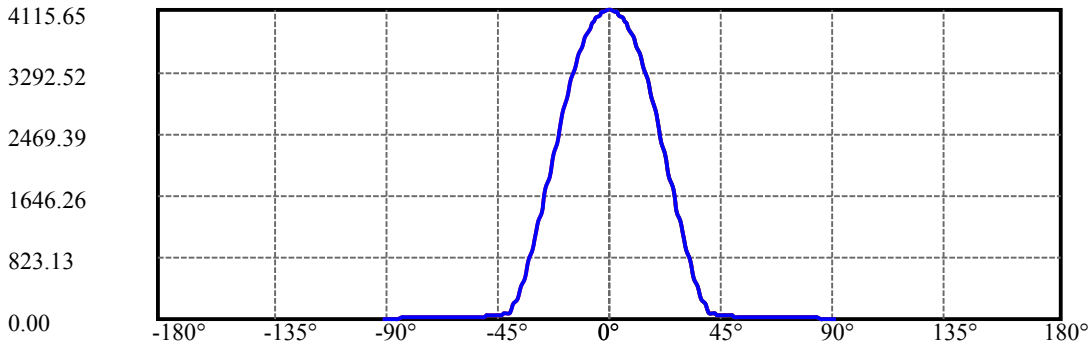
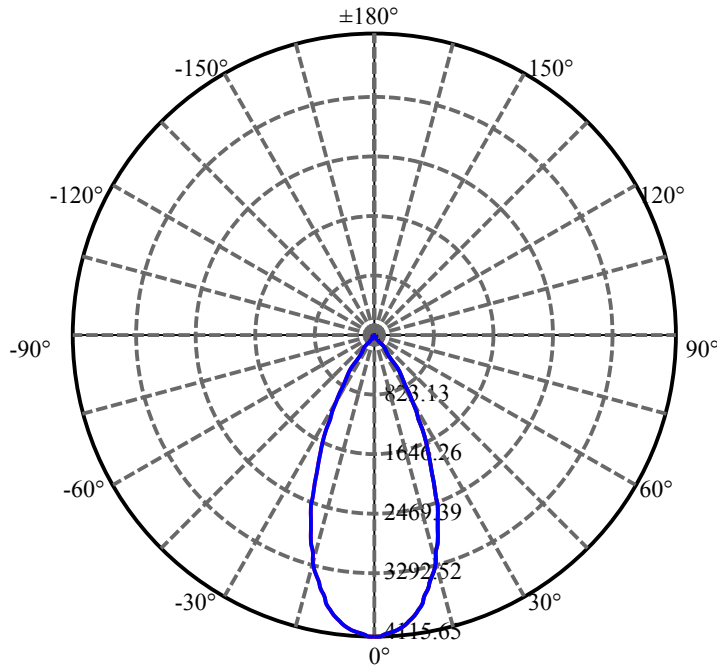
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.803	1.786	2434.896	0.06%	99.16%
77.0	16.679	1.785	2436.681	0.06%	99.23%
78.0	16.496	1.776	2438.457	0.06%	99.31%
79.0	16.240	1.759	2440.216	0.06%	99.38%
80.0	15.882	1.732	2441.947	0.06%	99.45%
81.0	15.362	1.690	2443.637	0.06%	99.52%
82.0	14.660	1.628	2445.265	0.06%	99.58%
83.0	13.753	1.545	2446.81	0.05%	99.65%
84.0	12.743	1.443	2448.253	0.05%	99.71%
85.0	11.836	1.341	2449.595	0.05%	99.76%
86.0	11.178	1.258	2450.853	0.04%	99.81%
87.0	10.761	1.201	2452.053	0.04%	99.86%
88.0	10.490	1.164	2453.217	0.04%	99.91%
89.0	10.366	1.143	2454.36	0.04%	99.95%
90.0	10.337	1.135	2455.495	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2045.57	71.77%	83.31%
0-40	2336.26	81.97%	95.14%
0-60	2404.93	84.38%	97.94%
0-90	2454.36	86.12%	99.95%
0-120	2454.36	86.12%	99.95%
0-180	2455.50	86.16%	100.00%
60-90	49.43	1.73%	2.01%
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%
0-28.68	1964.40	68.93%	80.00%

ZONAL LUMEN SUMMARY

0-10	374.11
10-20	879.56
20-30	791.90
30-40	290.69
40-50	41.62
50-60	27.06
60-70	19.46
70-80	17.55
80-90	12.41
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: —————

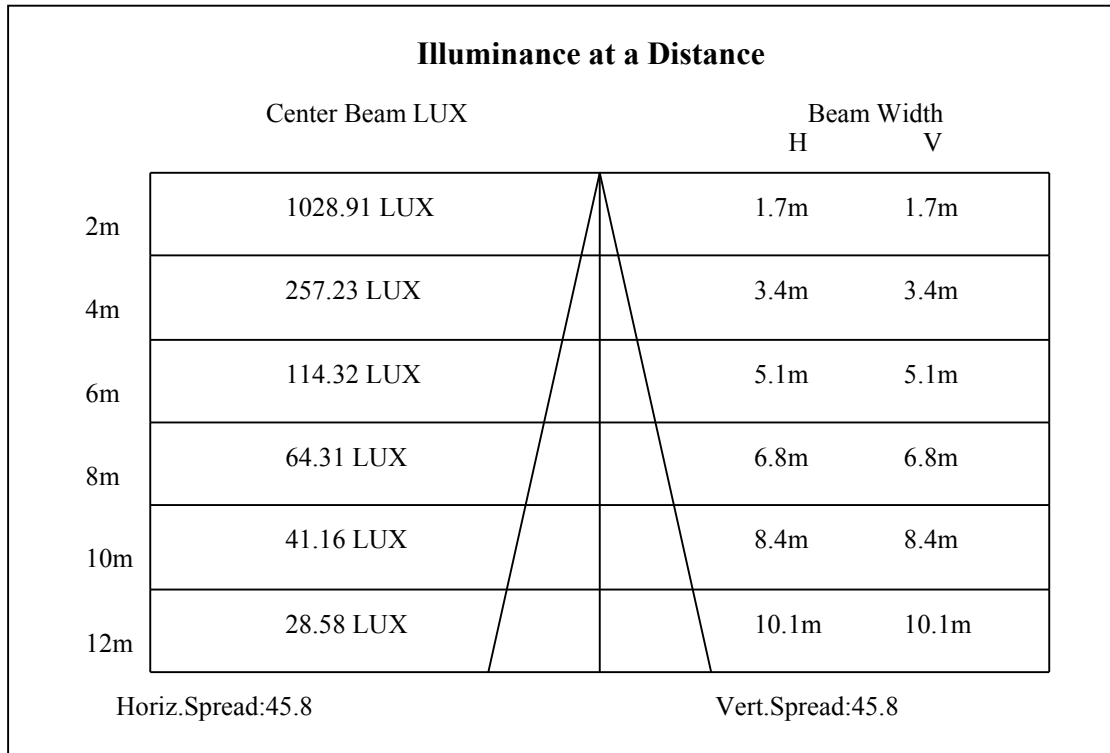
C90/C270: —————

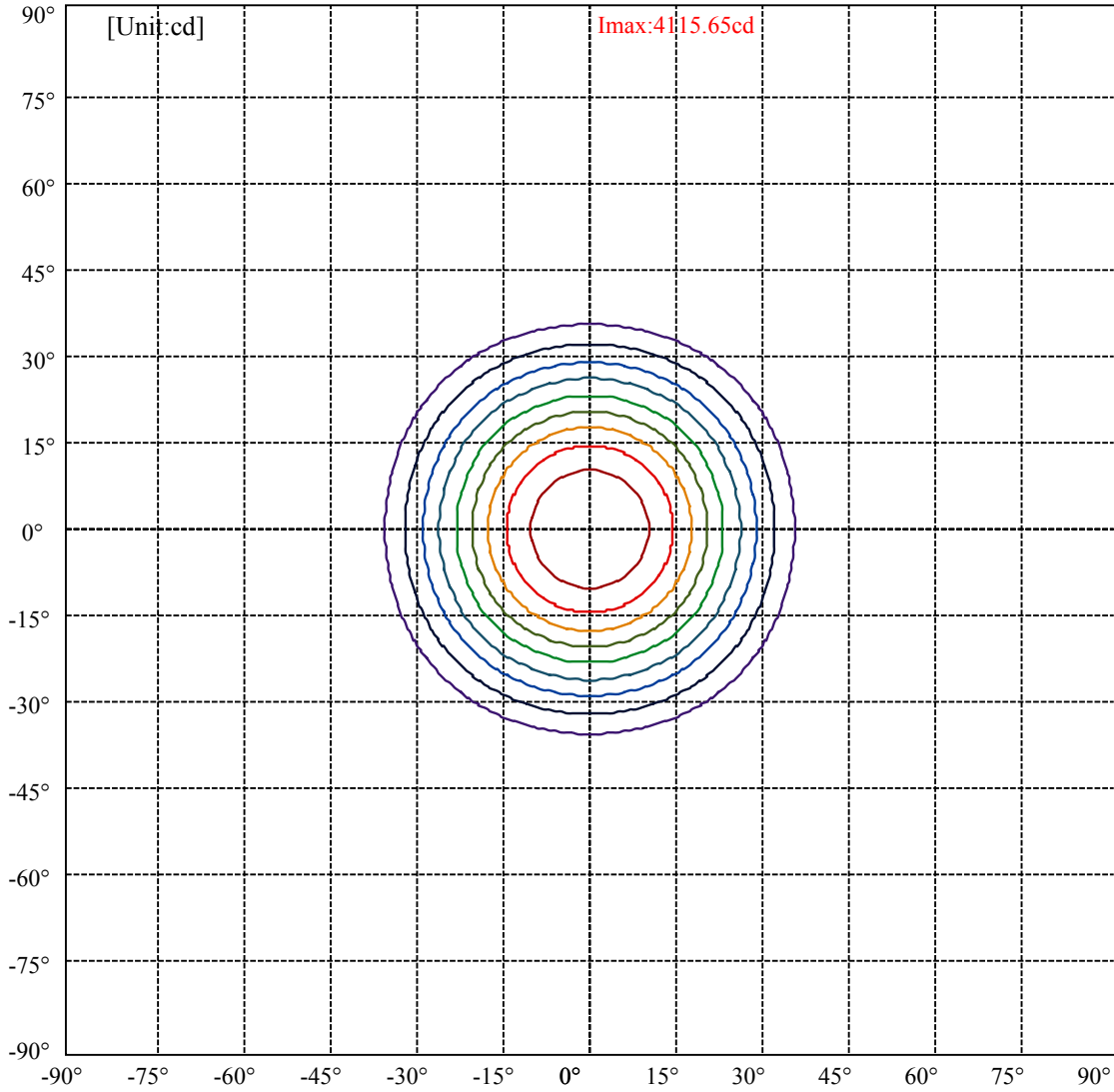
Field angle(10%Imax):C0/180Left:35.1 Right:35.1

:C90/270Left:35.1 Right:35.1

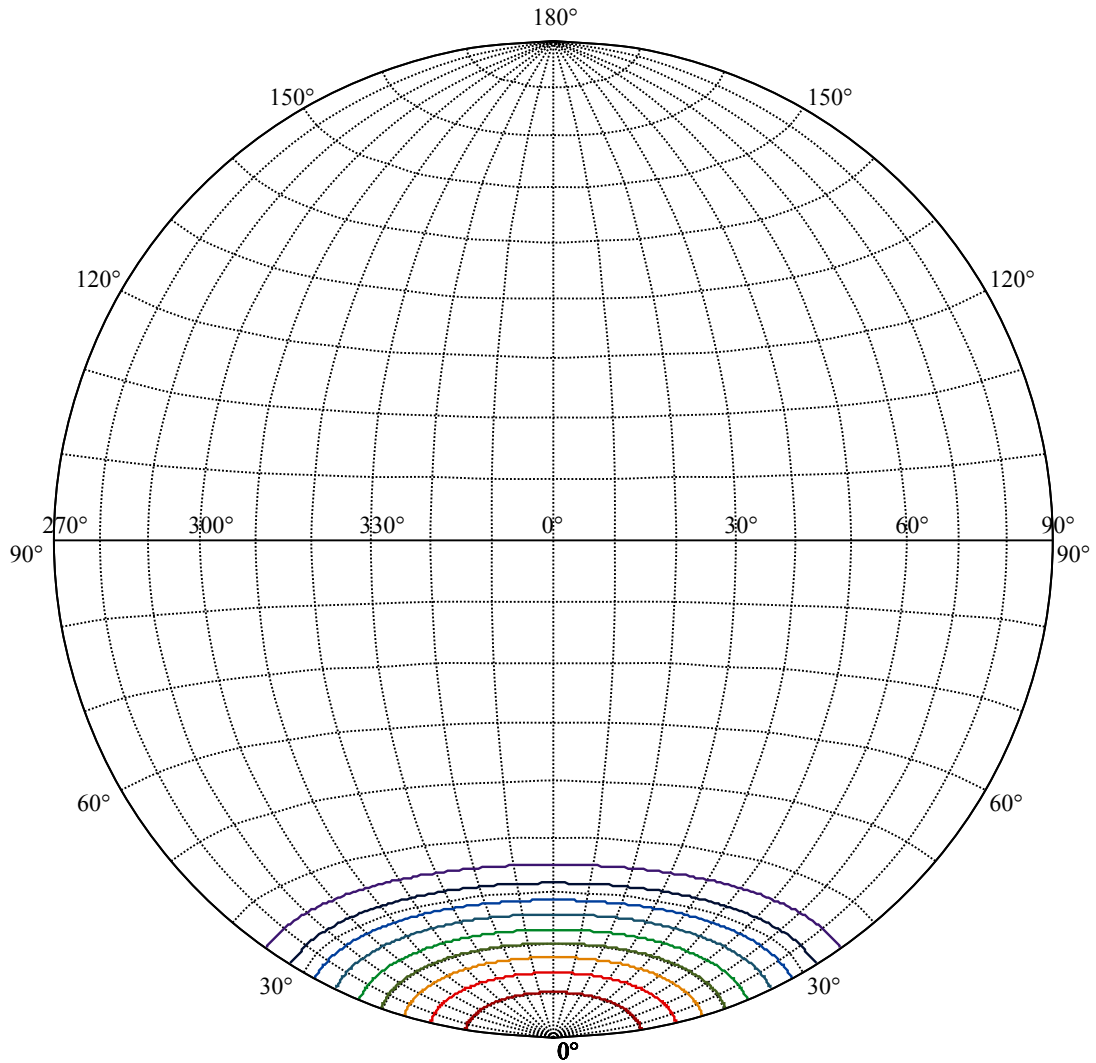
Beam Angle(50%Imax):C0/180Left:22.9 Right:22.9

:C90/270Left:22.9 Right:22.9





(10%Imax) 411.565	—
(20%Imax) 823.131	—
(30%Imax) 1234.7	—
(40%Imax) 1646.26	—
(50%Imax) 2057.83	—
(60%Imax) 2469.39	—
(70%Imax) 2880.96	—
(80%Imax) 3292.52	—
(90%Imax) 3704.09	—



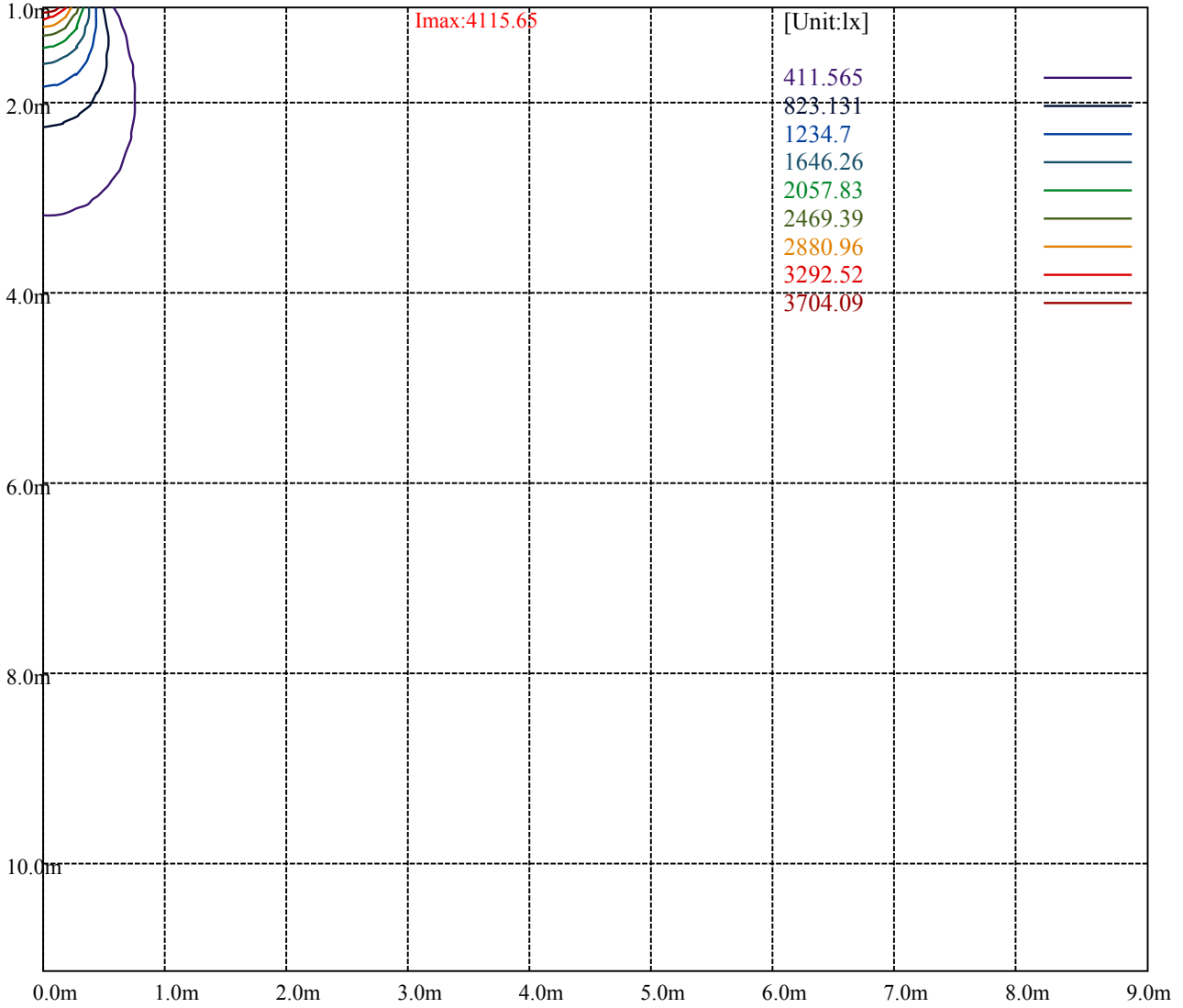
House

[Unit:cd]

Road

Imax:4115.65

(10%Imax)	411.565	—
(20%Imax)	823.131	—
(30%Imax)	1234.7	—
(40%Imax)	1646.26	—
(50%Imax)	2057.83	—
(60%Imax)	2469.39	—
(70%Imax)	2880.96	—
(80%Imax)	3292.52	—
(90%Imax)	3704.09	—



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

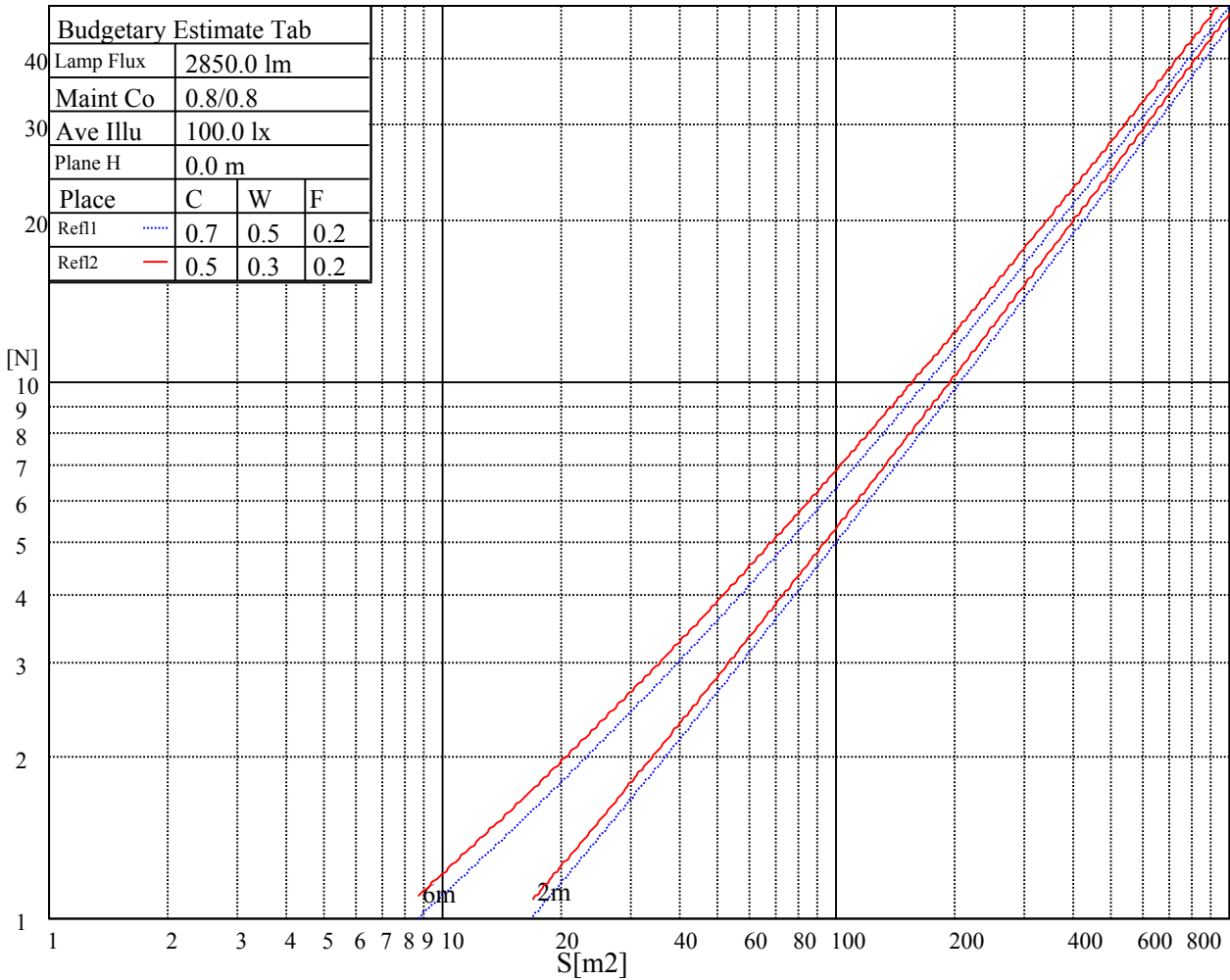
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

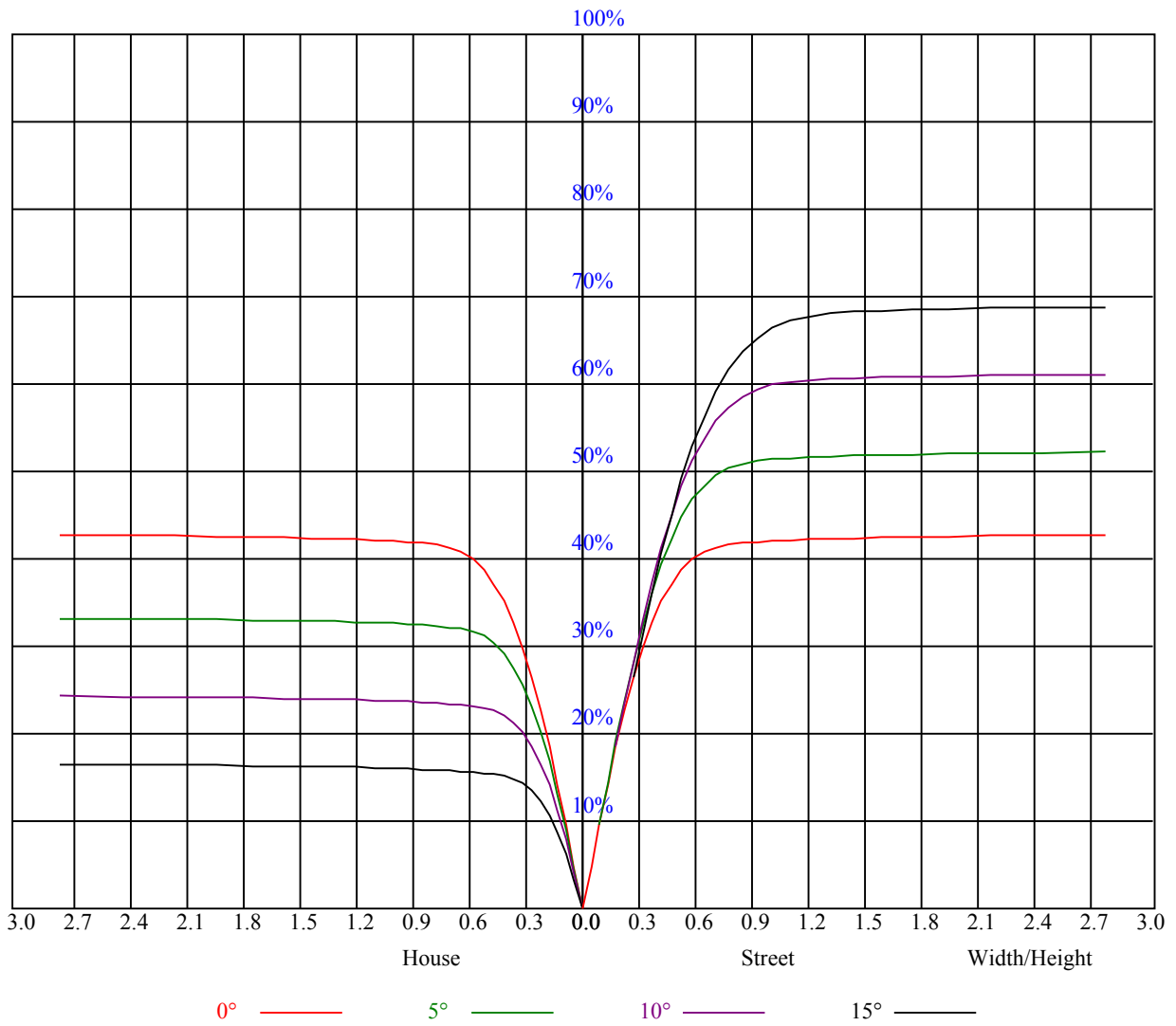


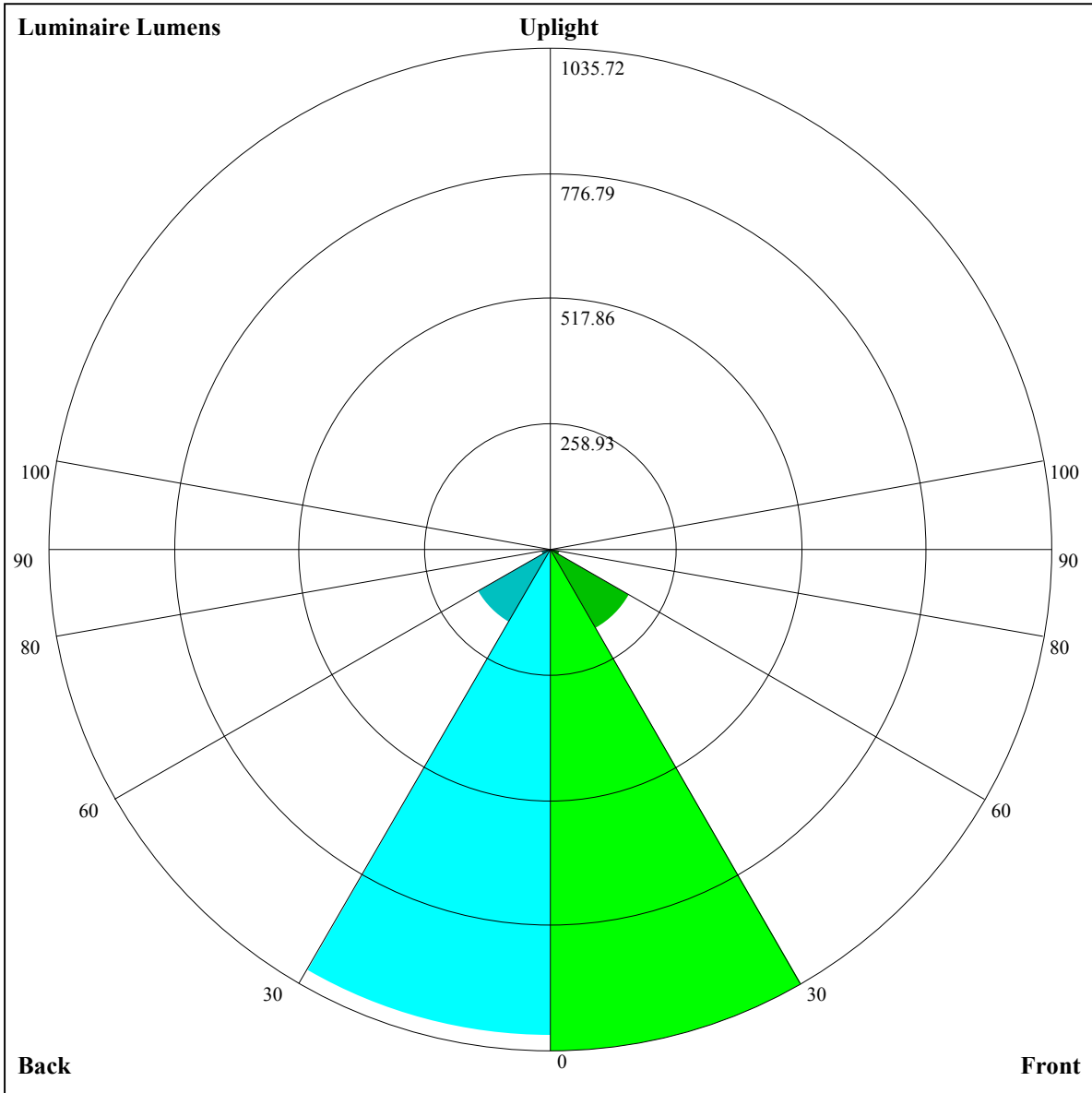
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.03	1.03	1.03	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.86
1	0.96	0.94	0.92	0.94	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	0.86	0.83	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.79	0.80	0.79	0.77	0.76
3	0.84	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.72
4	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.73	0.71	0.69	0.68
5	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
6	0.71	0.67	0.63	0.71	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.61
7	0.68	0.63	0.60	0.67	0.63	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.57
8	0.64	0.60	0.57	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.55
9	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.52
10	0.59	0.54	0.51	0.58	0.54	0.51	0.58	0.54	0.51	0.57	0.53	0.51	0.56	0.53	0.51	0.50





Luminaire Lumens:

FL=1035.72,FM=190.1,FH=18.72,FVH=6.9

BL=1005.51,BM=173.29,BH=18.37,BVH=6.66

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	4121.21	4127.07	4117.12	4099.56	4070.88	4031.67	3995.97	3950.91	3904.68
45.0	4111.26	4117.12	4117.70	4106.58	4086.10	4060.35	4032.26	3991.88	3948.57
90.0	4111.26	4104.83	4085.51	4065.62	4038.11	4010.02	3964.37	3919.90	3861.96
135.0	4118.87	4114.78	4099.56	4076.74	4043.38	4010.02	3981.93	3940.96	3876.00
180.0	4121.21	4111.85	4087.86	4062.11	4036.94	3993.05	3949.74	3901.17	3840.89
225.0	4111.26	4091.95	4070.88	4043.38	4003.00	3962.62	3897.66	3834.45	3766.57
270.0	4111.26	4117.70	4111.26	4097.80	4067.96	4035.77	3997.73	3952.67	3898.24
315.0	4118.87	4117.70	4097.80	4076.74	4050.40	4023.48	3960.86	3916.38	3859.03
360.0	4121.21	4127.07	4117.12	4099.56	4070.88	4031.67	3995.97	3950.91	3904.68
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3826.84	3754.28	3670.59	3561.74	3463.42	3367.44	3256.84	3114.63	2989.97
45.0	3897.66	3840.89	3752.52	3673.52	3587.49	3469.27	3373.88	3236.94	3121.65
90.0	3774.76	3703.95	3589.83	3503.22	3406.65	3276.15	3166.71	3047.33	2916.23
135.0	3813.97	3748.42	3670.00	3562.91	3470.44	3375.64	3238.11	3121.06	2993.48
180.0	3763.06	3688.15	3604.46	3513.16	3390.27	3286.10	3136.28	3020.40	2900.43
225.0	3685.81	3600.95	3490.93	3394.36	3295.46	3183.68	3030.94	2906.29	2769.34
270.0	3809.29	3738.48	3660.64	3547.69	3450.55	3351.06	3239.86	3100.58	2980.61
315.0	3787.05	3689.32	3605.63	3514.33	3394.95	3291.36	3184.85	3039.13	2905.12
360.0	3826.84	3754.28	3670.59	3561.74	3463.42	3367.44	3256.84	3114.63	2989.97
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2827.28	2692.09	2552.22	2402.41	2222.16	2083.46	1950.03	1793.19	1672.63
45.0	3003.43	2872.93	2701.46	2562.17	2414.70	2267.22	2093.99	1963.49	1833.57
90.0	2748.86	2612.50	2470.29	2323.99	2147.25	2010.31	1877.46	1725.30	1600.65
135.0	2830.79	2689.75	2551.64	2368.46	2222.74	2085.22	1918.43	1788.51	1661.51
180.0	2723.70	2583.24	2443.96	2301.16	2111.55	1981.63	1855.22	1731.74	1570.22
225.0	2590.85	2445.13	2264.88	2122.08	1990.41	1830.06	1704.82	1581.34	1446.73
270.0	2837.81	2705.55	2525.89	2388.95	2245.57	2055.95	1933.64	1767.44	1646.88
315.0	2731.89	2589.09	2455.66	2304.09	2159.54	1988.07	1852.30	1728.81	1600.06
360.0	2827.28	2692.09	2552.22	2402.41	2222.16	2083.46	1950.03	1793.19	1672.63
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1545.05	1306.28	1136.57	1103.62	977.91	857.82	706.48	584.58	445.77
45.0	1674.39	1544.47	1408.70	1240.15	1110.82	984.41	829.32	711.11	596.99
90.0	1331.45	1160.15	1160.15	1032.57	870.58	751.31	630.76	517.69	390.40
135.0	1538.03	1362.46	1229.62	1099.70	974.46	817.62	697.06	553.68	448.34
180.0	1433.86	1305.70	1145.34	1007.23	877.90	722.81	602.26	494.57	368.75
225.0	1145.11	1145.11	1016.42	884.68	735.16	614.08	504.76	403.69	291.91
270.0	1518.13	1385.29	1214.40	1076.87	948.71	822.88	672.48	556.61	451.27
315.0	1333.20	1161.50	1161.50	1033.92	870.41	752.07	605.12	495.39	395.73
360.0	1545.05	1306.28	1136.57	1103.62	977.91	857.82	706.48	584.58	445.77
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	349.73	265.69	176.15	122.55	91.70	77.72	68.82	60.22	55.13
45.0	458.29	361.14	296.18	296.18	121.38	91.24	77.43	68.76	60.40
90.0	300.57	221.74	145.55	104.76	84.16	74.62	65.02	58.87	54.31
135.0	353.53	309.06	309.06	117.51	89.19	74.79	67.65	61.68	55.65
180.0	305.55	305.55	131.38	95.63	79.18	71.10	62.68	57.24	53.08
225.0	215.54	140.75	102.18	82.87	71.87	65.14	59.46	54.13	49.80
270.0	333.64	311.40	311.40	117.69	90.18	77.48	68.24	62.27	55.65
315.0	288.22	214.25	153.80	103.29	83.45	72.98	65.43	58.11	53.67
360.0	349.73	265.69	176.15	122.55	91.70	77.72	68.82	60.22	55.13

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	51.03	46.76	43.95	41.14	39.21	37.40	35.35	33.83	32.48
45.0	54.95	50.86	46.88	44.24	41.43	39.39	37.57	35.93	34.00
90.0	49.51	46.47	43.31	41.20	39.21	37.28	35.58	33.65	32.30
135.0	50.97	47.81	45.30	43.01	40.44	38.45	36.28	34.65	33.07
180.0	49.51	45.94	43.48	40.85	38.92	37.10	34.94	33.30	31.89
225.0	46.94	44.42	42.31	39.80	37.86	36.05	34.00	32.54	31.19
270.0	51.73	47.87	45.18	42.84	40.79	38.39	36.64	35.00	33.07
315.0	50.04	46.82	43.48	41.32	38.86	36.99	35.23	33.24	31.84
360.0	51.03	46.76	43.95	41.14	39.21	37.40	35.35	33.83	32.48
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	31.19	29.73	28.73	27.80	26.80	25.63	24.70	23.70	22.71
45.0	32.60	31.37	30.20	29.03	28.09	27.10	26.04	24.87	23.88
90.0	31.02	29.90	28.68	27.68	26.39	25.34	24.40	23.00	21.95
135.0	31.49	30.26	29.26	28.32	27.04	25.98	25.05	23.94	22.59
180.0	30.61	29.26	28.27	27.15	26.10	24.81	23.88	22.77	21.36
225.0	29.67	28.56	27.56	26.22	25.16	24.17	23.12	21.77	20.72
270.0	31.72	30.55	29.26	28.27	26.92	25.87	24.81	23.76	22.41
315.0	30.61	29.50	28.27	27.27	26.28	25.28	23.99	22.94	21.89
360.0	31.19	29.73	28.73	27.80	26.80	25.63	24.70	23.70	22.71
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.36	20.48	19.43	18.79	18.14	17.32	16.74	16.44	16.44
45.0	22.59	21.54	20.66	19.49	18.73	18.26	17.73	16.97	16.74
90.0	21.07	19.96	19.14	18.49	17.91	17.21	16.91	16.85	16.91
135.0	21.54	20.60	19.49	18.73	18.14	17.32	16.80	16.62	16.62
180.0	20.42	19.49	18.49	17.79	17.09	16.56	16.27	16.21	16.27
225.0	19.78	18.96	18.14	17.50	16.68	16.33	16.27	16.27	16.33
270.0	21.36	20.42	19.55	18.79	17.91	17.21	16.74	16.44	16.39
315.0	20.66	19.72	18.96	18.14	17.56	16.91	16.44	16.39	16.39
360.0	21.36	20.48	19.43	18.79	18.14	17.32	16.74	16.44	16.44
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.50	16.68	16.80	16.85	16.85	16.80	16.62	16.39	16.15
45.0	16.80	16.91	17.15	17.32	17.38	17.32	17.21	17.09	16.85
90.0	17.15	17.32	17.38	17.44	17.38	17.26	17.09	16.91	16.33
135.0	16.74	16.85	16.91	17.03	16.97	16.91	16.80	16.62	16.33
180.0	16.39	16.50	16.56	16.56	16.50	16.39	16.15	15.80	15.45
225.0	16.44	16.44	16.39	16.33	16.21	15.98	15.74	15.33	14.86
270.0	16.44	16.50	16.56	16.56	16.50	16.39	16.21	15.92	15.57
315.0	16.44	16.56	16.68	16.68	16.62	16.39	16.15	15.86	15.51
360.0	16.50	16.68	16.80	16.85	16.85	16.80	16.62	16.39	16.15
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	16.04	15.27	14.57	13.46	12.35	11.41	10.83	10.59	10.42
45.0	16.50	16.04	15.27	14.34	13.11	12.06	11.12	10.77	10.59
90.0	15.63	14.69	13.75	12.47	11.59	10.94	10.65	10.48	10.30
135.0	15.86	15.04	13.93	12.82	11.70	11.00	10.65	10.48	10.36
180.0	14.81	14.16	12.87	12.06	11.24	10.71	10.48	10.30	10.30
225.0	14.05	13.28	12.29	11.59	11.06	10.77	10.48	10.30	10.36
270.0	14.98	14.34	13.81	12.70	11.94	11.35	11.12	10.53	10.36
315.0	15.04	14.46	13.52	12.52	11.70	11.18	10.77	10.48	10.24
360.0	16.04	15.27	14.57	13.46	12.35	11.41	10.83	10.59	10.42

Intensity data(cd)

C/ γ (°)	90.0
0.0	10.30
45.0	10.36
90.0	10.30
135.0	10.30
180.0	10.30
225.0	10.42
270.0	10.42
315.0	10.30
360.0	10.30