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NT

Client:

LumCAT: 2-2689-L

Luminaire: 92.70.411.00

Report No: 2024330-B024

Ballast type: AC

Test No: 2024330-C024

Voltage(V): 34.150

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.576

Lamp flux(lm): 2850.0

Power (W): 19.670

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2382.21, Efficiency(%): 83.59% , Luminous Efficacy(lm/W): 121.11

Central intensity(cd): 4408.412, Maximum intensity(cd): 4408.412

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

Beam Angle(50%Imax): [C0/180]Total=43.6

[C90/270]Total=43.6

Field angle(10%Imax): [C0/180]Total=65.6

[C90/270]Total=65.6

Maximum s/h(1/2): C0\_180=0.70 C90\_270=0.70

Maximum s/h(1/4): C0\_180=0.68 C90\_270=0.68

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.59%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.748%

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	4408.412	0.000	0	0.00%	0.00%
1.0	4407.242	4.218	4.218	0.15%	0.18%
2.0	4399.561	12.640	16.858	0.44%	0.71%
3.0	4383.394	21.006	37.864	0.74%	1.59%
4.0	4355.157	29.251	67.115	1.03%	2.82%
5.0	4314.703	37.297	104.412	1.31%	4.38%
6.0	4261.521	45.070	149.483	1.58%	6.27%
7.0	4193.122	52.478	201.961	1.84%	8.48%
8.0	4117.775	59.480	261.44	2.09%	10.97%
9.0	4027.211	66.011	327.451	2.32%	13.75%
10.0	3925.089	71.965	399.416	2.53%	16.77%
11.0	3797.145	77.161	476.577	2.71%	20.01%
12.0	3677.320	81.707	558.284	2.87%	23.44%
13.0	3533.793	85.578	643.862	3.00%	27.03%
14.0	3387.999	88.598	732.46	3.11%	30.75%
15.0	3252.520	91.164	823.624	3.20%	34.57%
16.0	3102.702	93.122	916.746	3.27%	38.48%
17.0	2958.444	94.388	1011.134	3.31%	42.45%
18.0	2804.091	95.012	1106.146	3.33%	46.43%
19.0	2648.055	94.856	1201.002	3.33%	50.42%
20.0	2489.020	94.023	1295.025	3.30%	54.36%
21.0	2331.302	92.560	1387.585	3.25%	58.25%
22.0	2168.463	90.425	1478.009	3.17%	62.04%
23.0	2009.209	87.659	1565.668	3.08%	65.72%
24.0	1853.247	84.447	1650.115	2.96%	69.27%
25.0	1697.869	80.745	1730.86	2.83%	72.66%
26.0	1470.926	74.800	1805.66	2.62%	75.80%
27.0	1311.028	68.061	1873.721	2.39%	78.65%
28.0	1190.201	63.326	1937.047	2.22%	81.31%
29.0	1023.522	57.917	1994.964	2.03%	83.74%
30.0	843.902	50.420	2045.384	1.77%	85.86%
31.0	684.435	42.531	2087.915	1.49%	87.65%
32.0	539.892	35.076	2122.991	1.23%	89.12%
33.0	409.445	27.968	2150.959	0.98%	90.29%
34.0	308.845	21.738	2172.696	0.76%	91.21%
35.0	242.408	17.120	2189.816	0.60%	91.92%
36.0	215.751	14.588	2204.404	0.51%	92.54%
37.0	139.803	11.596	2216	0.41%	93.02%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	123.080	8.775	2224.775	0.31%	93.39%
39.0	110.747	7.981	2232.756	0.28%	93.73%
40.0	101.207	7.392	2240.148	0.26%	94.04%
41.0	93.278	6.926	2247.074	0.24%	94.33%
42.0	86.182	6.520	2253.594	0.23%	94.60%
43.0	79.956	6.154	2259.748	0.22%	94.86%
44.0	74.177	5.817	2265.565	0.20%	95.10%
45.0	69.203	5.510	2271.076	0.19%	95.33%
46.0	64.514	5.229	2276.305	0.18%	95.55%
47.0	60.381	4.967	2281.272	0.17%	95.76%
48.0	56.672	4.732	2286.004	0.17%	95.96%
49.0	53.124	4.509	2290.513	0.16%	96.15%
50.0	49.912	4.296	2294.809	0.15%	96.33%
51.0	47.016	4.101	2298.91	0.14%	96.50%
52.0	44.214	3.915	2302.825	0.14%	96.67%
53.0	41.697	3.737	2306.562	0.13%	96.82%
54.0	39.276	3.569	2310.131	0.13%	96.97%
55.0	37.125	3.410	2313.541	0.12%	97.12%
56.0	35.040	3.261	2316.802	0.11%	97.25%
57.0	33.182	3.119	2319.921	0.11%	97.39%
58.0	31.544	2.993	2322.915	0.11%	97.51%
59.0	29.964	2.875	2325.79	0.10%	97.63%
60.0	28.508	2.762	2328.552	0.10%	97.75%
61.0	27.081	2.653	2331.205	0.09%	97.86%
62.0	25.728	2.545	2333.75	0.09%	97.97%
63.0	24.177	2.427	2336.177	0.09%	98.07%
64.0	22.853	2.308	2338.485	0.08%	98.16%
65.0	21.492	2.195	2340.679	0.08%	98.26%
66.0	20.315	2.086	2342.765	0.07%	98.34%
67.0	19.283	1.991	2344.756	0.07%	98.43%
68.0	18.566	1.917	2346.674	0.07%	98.51%
69.0	18.230	1.877	2348.551	0.07%	98.59%
70.0	18.164	1.869	2350.42	0.07%	98.67%
71.0	18.244	1.882	2352.302	0.07%	98.74%
72.0	18.281	1.899	2354.201	0.07%	98.82%
73.0	18.222	1.909	2356.11	0.07%	98.90%
74.0	18.010	1.905	2358.015	0.07%	98.98%
75.0	17.652	1.884	2359.899	0.07%	99.06%

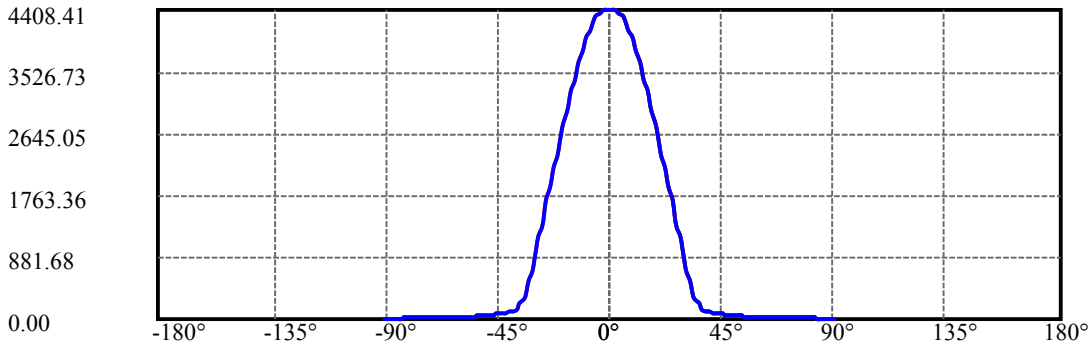
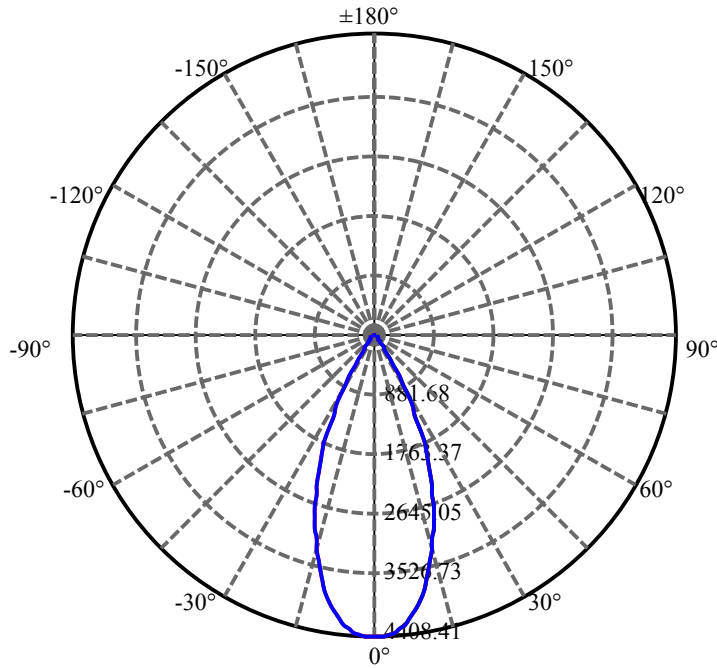
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.293	1.855	2361.754	0.07%	99.14%
77.0	16.818	1.819	2363.573	0.06%	99.22%
78.0	16.328	1.774	2365.347	0.06%	99.29%
79.0	15.618	1.716	2367.063	0.06%	99.36%
80.0	14.923	1.647	2368.71	0.06%	99.43%
81.0	14.258	1.578	2370.288	0.06%	99.50%
82.0	13.921	1.528	2371.816	0.05%	99.56%
83.0	13.687	1.501	2373.317	0.05%	99.63%
84.0	13.131	1.461	2374.778	0.05%	99.69%
85.0	12.385	1.393	2376.171	0.05%	99.75%
86.0	11.705	1.317	2377.487	0.05%	99.80%
87.0	11.222	1.255	2378.742	0.04%	99.85%
88.0	10.666	1.199	2379.941	0.04%	99.90%
89.0	10.234	1.146	2381.087	0.04%	99.95%
90.0	10.234	1.122	2382.209	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2045.38	71.77%	85.86%
0-40	2240.15	78.60%	94.04%
0-60	2328.55	81.70%	97.75%
0-90	2381.09	83.55%	99.95%
0-120	2381.09	83.55%	99.95%
0-180	2382.21	83.59%	100.00%
60-90	52.53	1.84%	2.21%
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%
0-27.51	1905.77	66.87%	80.00%

ZONAL LUMEN SUMMARY

0-10	399.42
10-20	895.61
20-30	750.36
30-40	194.76
40-50	54.66
50-60	33.74
60-70	21.87
70-80	18.29
80-90	12.38
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: —————

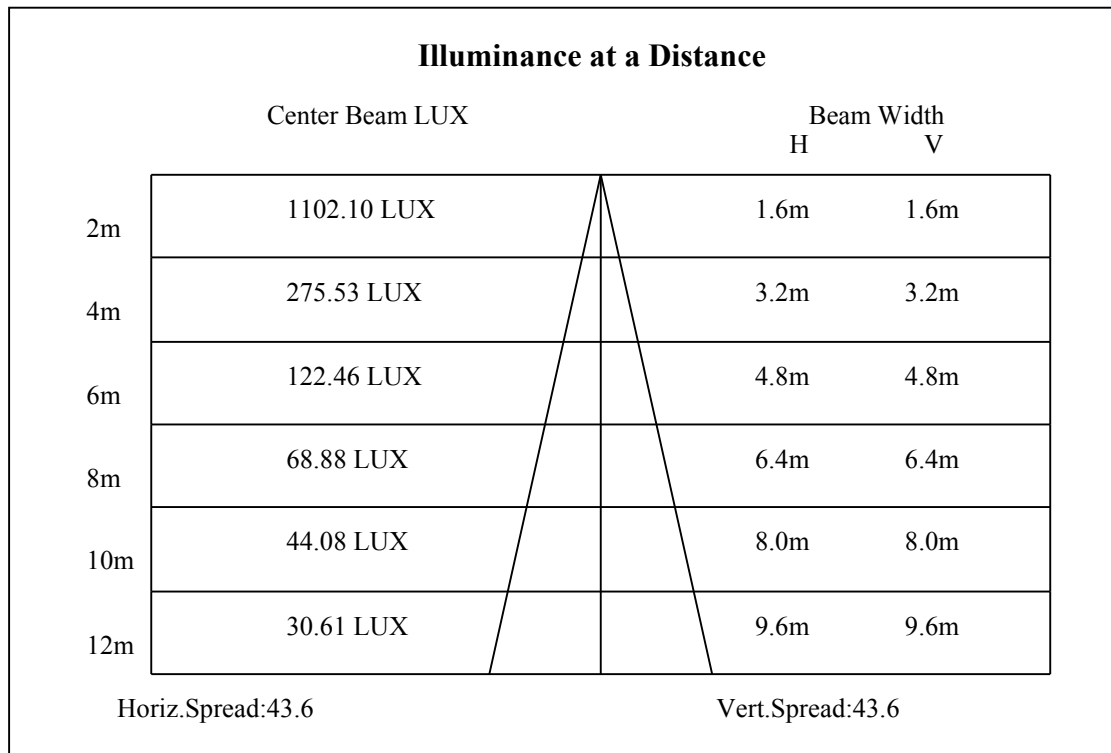
C90/C270: —————

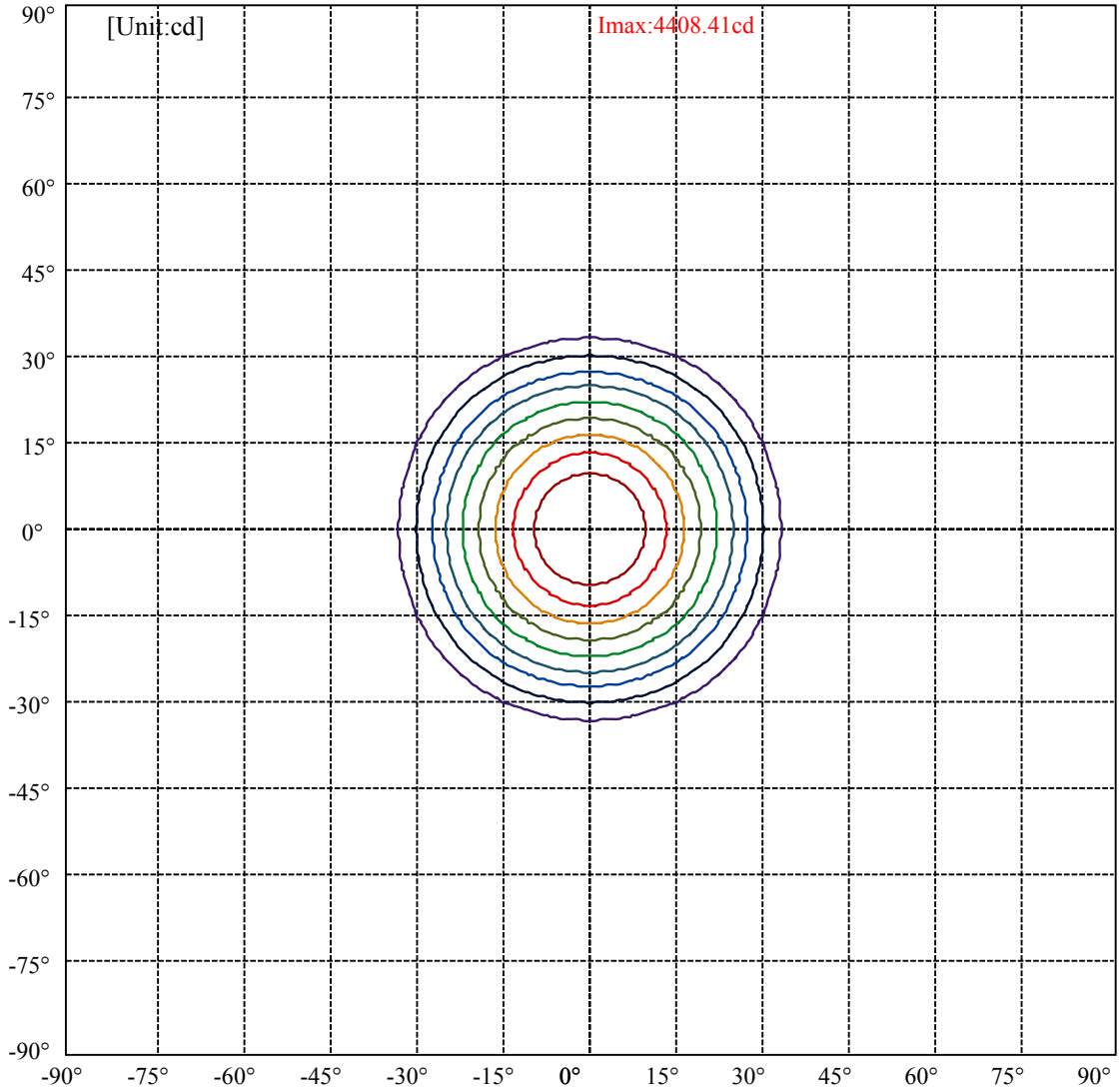
Field angle(10%Imax):C0/180Left:32.8 Right:32.8

:C90/270Left:32.8 Right:32.8

Beam Angle(50%Imax):C0/180Left:21.8 Right:21.8

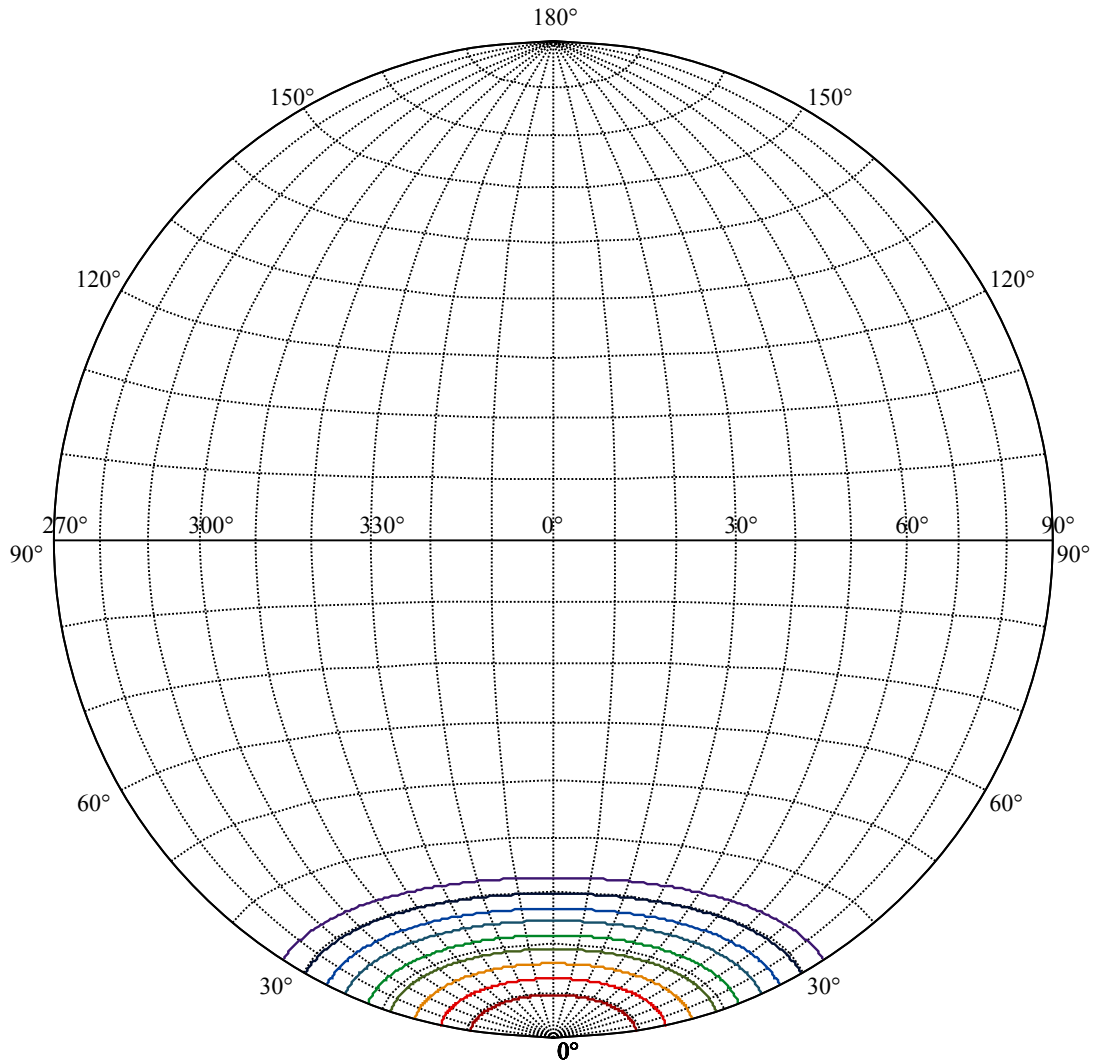
:C90/270Left:21.8 Right:21.8





(10%Imax) 440.841	—
(20%Imax) 881.682	—
(30%Imax) 1322.52	—
(40%Imax) 1763.36	—
(50%Imax) 2204.21	—
(60%Imax) 2645.05	—
(70%Imax) 3085.89	—
(80%Imax) 3526.73	—
(90%Imax) 3967.57	—





House

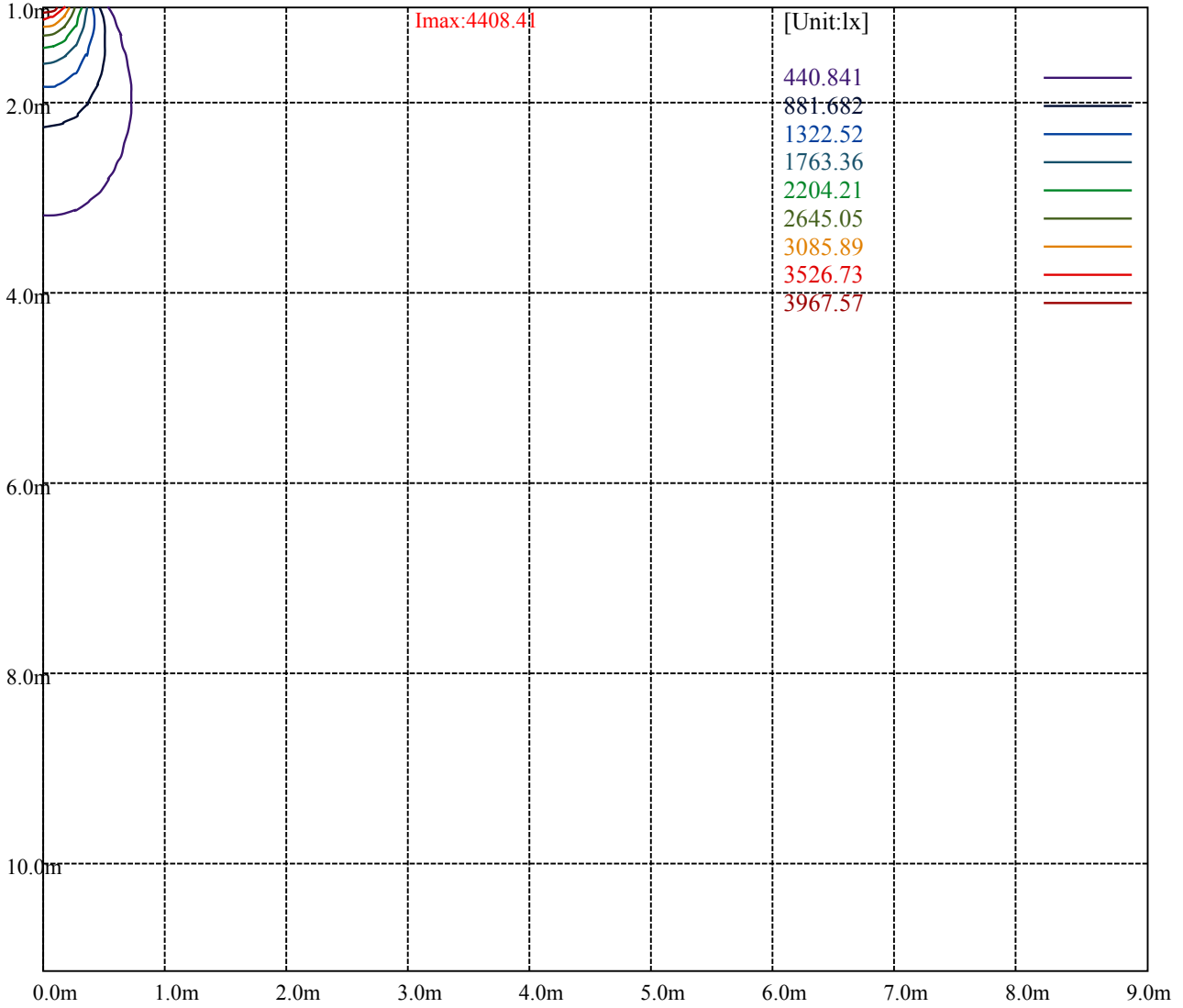
[Unit:cd]

Road

**Imax:4408.41**

(10%Imax)	440.841	—
(20%Imax)	881.682	—
(30%Imax)	1322.52	—
(40%Imax)	1763.36	—
(50%Imax)	2204.21	—
(60%Imax)	2645.05	—
(70%Imax)	3085.89	—
(80%Imax)	3526.73	—
(90%Imax)	3967.57	—





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

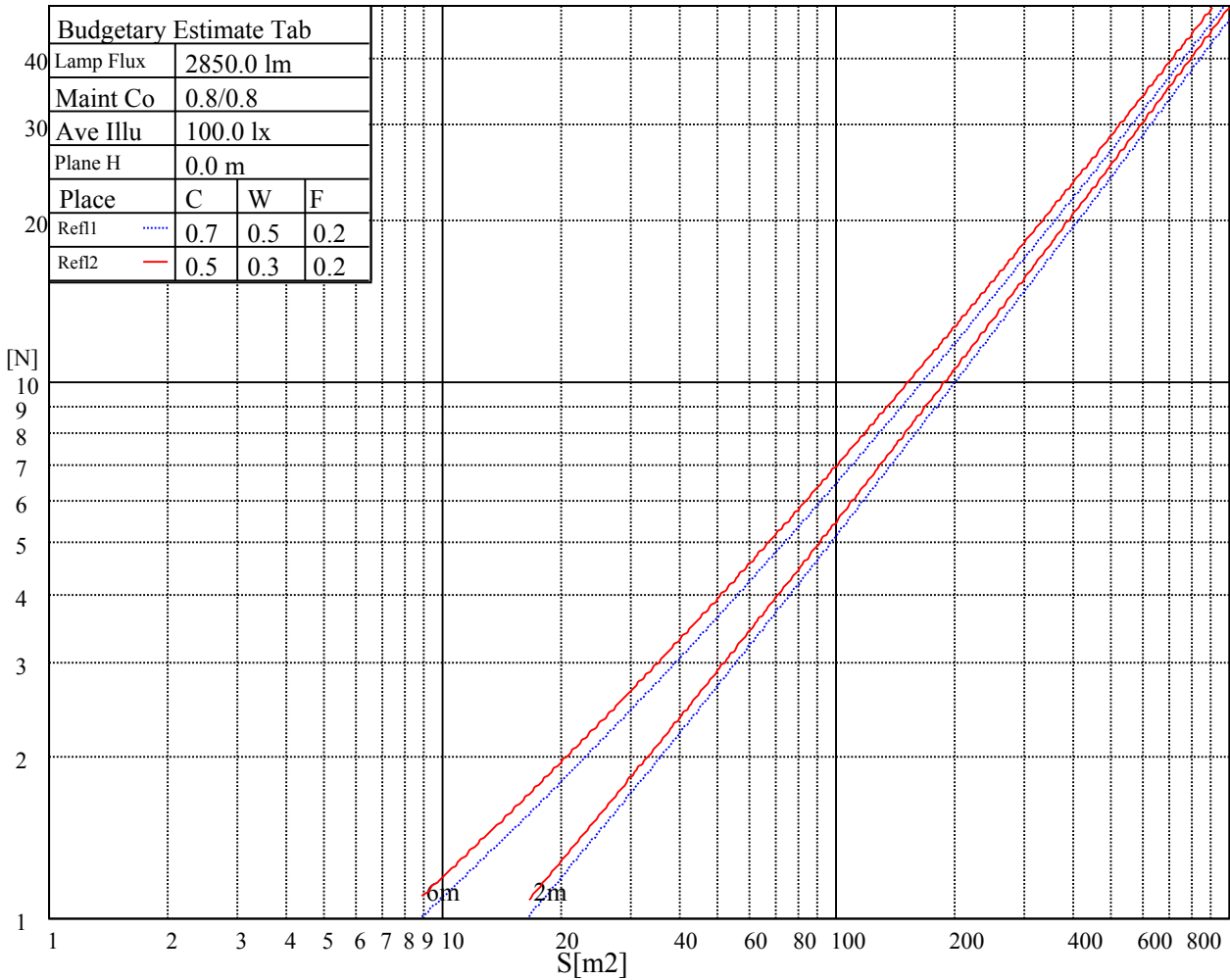
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

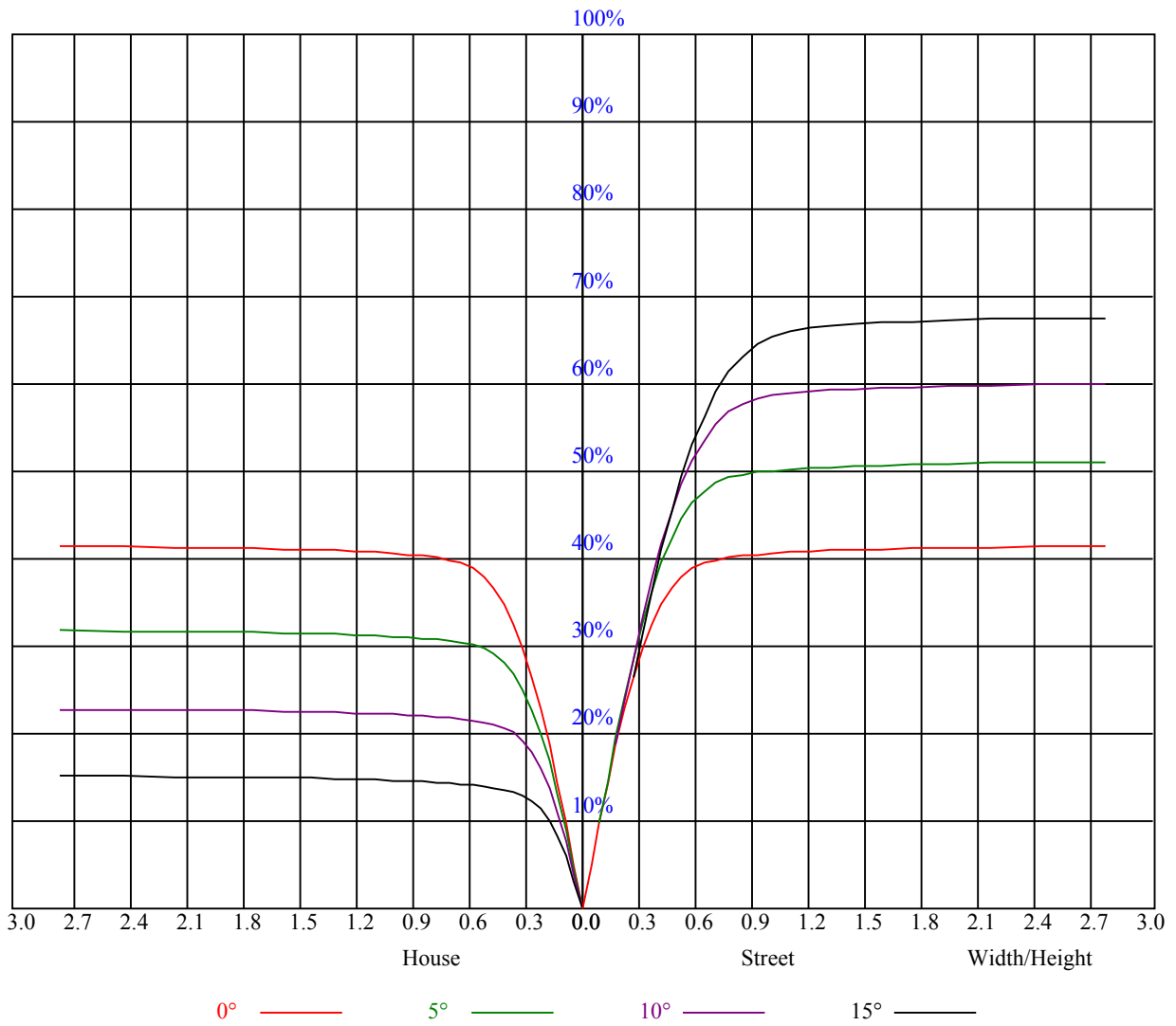


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

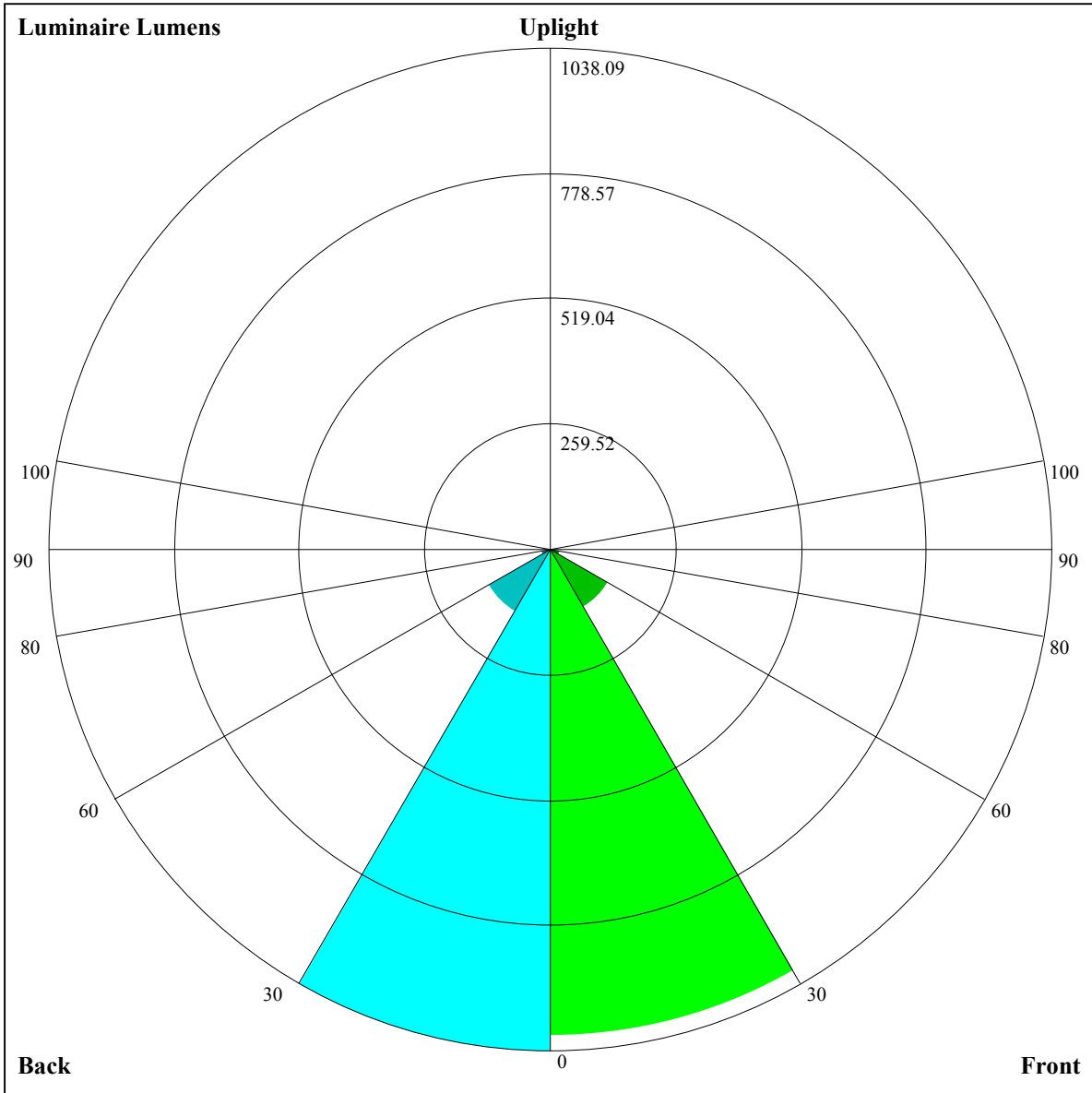
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.00	1.00	1.00	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.84
1	0.93	0.91	0.89	0.91	0.89	0.88	0.88	0.86	0.85	0.85	0.83	0.82	0.82	0.81	0.80	0.79
2	0.87	0.84	0.81	0.86	0.83	0.80	0.83	0.81	0.79	0.80	0.79	0.77	0.78	0.77	0.75	0.74
3	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
4	0.77	0.73	0.70	0.77	0.73	0.70	0.75	0.71	0.69	0.73	0.70	0.68	0.72	0.69	0.67	0.66
5	0.73	0.69	0.66	0.73	0.69	0.65	0.71	0.68	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.63
6	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.60
7	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.57
8	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.60	0.57	0.55	0.54
9	0.61	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.52
10	0.58	0.54	0.51	0.58	0.54	0.51	0.57	0.53	0.51	0.56	0.53	0.50	0.56	0.53	0.50	0.49







Luminaire Lumens:

FL=1006.5,FM=138.02,FH=20.88,FVH=6.83

BL=1038.09,BM=148.22,BH=19.63,BVH=6.7

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	4412.66	4412.07	4405.63	4382.22	4341.84	4290.34	4225.38	4148.13	4065.62
45.0	4405.05	4408.56	4411.48	4406.80	4389.25	4355.30	4302.05	4248.21	4182.66
90.0	4409.73	4410.31	4400.37	4382.81	4357.06	4314.92	4252.89	4186.17	4112.43
135.0	4406.22	4408.56	4408.56	4394.51	4383.39	4359.98	4323.70	4261.67	4206.07
180.0	4412.66	4409.14	4401.54	4395.68	4378.13	4347.11	4301.46	4251.72	4177.98
225.0	4405.05	4395.10	4383.39	4361.16	4327.80	4277.47	4223.04	4154.57	4064.45
270.0	4409.73	4407.97	4402.12	4385.15	4352.96	4312.58	4268.10	4194.37	4124.72
315.0	4406.22	4406.22	4383.39	4358.81	4310.83	4259.91	4195.54	4100.14	4008.26
360.0	4412.66	4412.07	4405.63	4382.22	4341.84	4290.34	4225.38	4148.13	4065.62
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3939.79	3829.77	3705.70	3579.29	3412.51	3279.07	3142.72	3005.77	2830.21
45.0	4081.42	3989.54	3885.37	3772.42	3616.75	3482.15	3346.38	3208.85	3036.79
90.0	4025.24	3923.41	3780.03	3657.13	3496.19	3362.18	3228.74	3054.93	2919.16
135.0	4134.67	4050.99	3929.84	3819.24	3666.49	3540.67	3408.99	3235.77	3099.41
180.0	4107.17	4019.97	3887.71	3774.17	3646.60	3480.39	3342.28	3208.26	3080.10
225.0	3973.15	3869.57	3722.67	3593.34	3465.18	3296.05	3164.96	3024.50	2885.80
270.0	4043.96	3952.67	3818.07	3702.19	3575.20	3440.60	3303.07	3132.18	3002.85
315.0	3912.29	3764.81	3647.77	3520.77	3391.44	3222.89	3083.02	2951.35	2813.24
360.0	3939.79	3829.77	3705.70	3579.29	3412.51	3279.07	3142.72	3005.77	2830.21
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2697.95	2517.70	2367.88	2214.55	2023.18	1880.97	1739.93	1550.32	1142.30
45.0	2899.85	2761.74	2580.90	2435.76	2285.95	2099.26	1955.88	1778.56	1634.59
90.0	2778.71	2600.21	2452.74	2304.67	2154.86	1967.00	1824.20	1683.75	1531.59
135.0	2963.05	2825.52	2648.20	2505.41	2357.34	2205.19	2020.84	1875.12	1732.32
180.0	2935.55	2752.96	2613.67	2477.90	2271.32	2132.62	1988.65	1840.01	1658.00
225.0	2707.89	2561.00	2411.77	2224.50	2075.27	1929.55	1753.98	1603.58	1331.45
270.0	2820.26	2680.97	2546.37	2350.32	2190.56	2040.74	1858.73	1722.96	1574.31
315.0	2629.47	2484.34	2290.63	2137.30	1989.24	1818.35	1683.75	1528.67	1162.84
360.0	2697.95	2517.70	2367.88	2214.55	2023.18	1880.97	1739.93	1550.32	1142.30
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1142.30	1060.60	858.70	706.95	569.48	446.59	314.73	230.99	174.57
45.0	1470.14	1308.62	1141.83	938.76	780.75	635.61	474.68	362.90	312.57
90.0	1162.73	1162.73	1001.38	804.51	656.97	490.89	373.20	276.17	191.08
135.0	1538.03	1376.51	1212.64	1013.08	853.90	702.91	532.03	409.72	304.96
180.0	1461.37	1305.70	1151.20	986.75	780.75	631.52	505.69	392.74	312.57
225.0	1130.42	1090.45	927.64	729.19	586.63	457.76	345.87	254.16	178.55
270.0	1420.40	1217.33	1054.05	886.67	731.00	555.44	432.54	324.86	301.45
315.0	1162.84	999.68	840.73	685.30	515.99	398.42	296.83	219.23	163.51
360.0	1142.30	1060.60	858.70	706.95	569.48	446.59	314.73	230.99	174.57
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	141.33	125.41	114.00	103.12	96.15	89.66	82.46	77.13	72.33
45.0	312.57	148.24	129.86	116.87	105.28	97.85	91.18	83.75	78.30
90.0	155.73	135.95	121.38	110.96	100.60	93.40	86.79	80.76	73.97
135.0	304.96	161.05	137.59	121.67	110.43	99.37	92.00	85.38	78.01
180.0	312.57	152.10	130.10	113.36	103.06	94.75	86.03	79.82	74.38
225.0	147.01	128.28	114.88	102.65	94.81	88.02	80.41	73.74	69.00
270.0	210.56	144.55	124.24	112.95	103.99	94.51	87.84	81.76	76.14
315.0	141.27	122.84	112.60	104.40	95.33	88.66	82.75	77.31	71.28
360.0	141.33	125.41	114.00	103.12	96.15	89.66	82.46	77.13	72.33

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	68.00	62.79	59.05	55.65	51.73	48.81	46.23	43.72	40.91
45.0	73.45	67.89	63.73	59.93	56.53	52.49	49.51	46.88	44.48
90.0	69.17	63.56	59.58	56.12	52.03	48.98	46.35	43.19	40.79
135.0	72.68	68.00	62.74	58.93	55.42	51.32	48.28	45.65	42.72
180.0	68.41	64.20	60.40	56.12	52.96	50.04	47.34	44.18	41.79
225.0	64.84	61.04	56.77	53.67	50.68	47.93	44.83	42.31	40.03
270.0	70.11	65.72	61.62	58.05	53.84	50.80	47.99	44.71	42.14
315.0	66.95	62.91	59.17	54.89	51.79	48.92	45.59	43.07	40.73
360.0	68.00	62.79	59.05	55.65	51.73	48.81	46.23	43.72	40.91
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	38.74	36.34	34.53	32.83	31.31	29.55	28.27	26.98	25.52
45.0	41.55	39.44	36.81	35.00	33.24	31.37	29.90	28.56	27.27
90.0	38.62	36.52	34.65	32.54	30.96	29.55	27.86	26.63	25.34
135.0	40.44	38.33	36.34	34.06	32.42	30.84	29.38	27.68	26.45
180.0	39.62	37.51	35.17	33.42	31.78	29.96	28.56	26.92	25.75
225.0	37.92	35.46	33.71	32.19	30.31	28.97	27.62	26.04	24.76
270.0	39.33	37.34	35.35	33.24	31.66	30.20	28.85	27.56	25.93
315.0	37.98	36.05	33.77	32.19	30.67	29.26	27.62	26.28	24.81
360.0	38.74	36.34	34.53	32.83	31.31	29.55	28.27	26.98	25.52
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.88	22.59	21.36	20.13	19.20	18.61	18.38	18.73	19.37
45.0	25.57	24.35	23.06	22.00	20.37	19.49	18.96	18.67	19.31
90.0	23.76	22.53	21.19	20.54	20.60	20.72	21.42	22.30	23.00
135.0	24.87	23.53	22.36	20.89	19.55	18.43	17.67	17.03	16.62
180.0	24.46	23.12	21.48	20.31	19.02	17.97	17.15	16.68	16.27
225.0	22.94	21.71	20.42	19.14	18.02	17.44	16.97	16.62	16.21
270.0	24.52	23.17	21.65	20.31	19.08	18.14	17.97	18.49	18.73
315.0	23.41	21.83	20.42	19.20	18.43	17.73	17.32	16.80	16.44
360.0	23.88	22.59	21.36	20.13	19.20	18.61	18.38	18.73	19.37
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.96	20.66	20.83	20.78	20.54	19.96	18.96	17.32	15.86
45.0	20.42	21.65	22.41	23.12	22.88	22.53	21.83	20.13	18.32
90.0	22.94	22.41	21.71	20.60	20.07	19.31	18.73	17.44	15.68
135.0	16.27	15.92	15.57	15.22	14.86	14.51	14.28	13.99	13.81
180.0	15.86	15.51	15.22	14.81	14.46	14.10	13.81	13.64	13.52
225.0	16.04	15.80	15.68	15.10	14.86	14.40	14.10	13.93	13.93
270.0	18.67	18.20	17.38	16.62	16.04	15.33	14.63	14.28	14.05
315.0	16.09	15.63	15.27	14.98	14.63	14.40	14.28	14.22	14.22
360.0	19.96	20.66	20.83	20.78	20.54	19.96	18.96	17.32	15.86
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.46	14.16	13.99	12.93	12.23	12.06	11.24	10.42	10.18
45.0	16.50	14.81	14.28	13.93	12.76	12.17	11.59	11.12	10.24
90.0	14.28	14.05	13.75	13.05	12.06	11.47	11.41	10.65	10.12
135.0	13.75	13.69	13.69	13.58	12.99	12.00	11.35	11.18	10.53
180.0	13.46	13.40	13.28	13.28	12.82	11.76	11.29	11.00	10.30
225.0	13.64	13.58	13.52	12.58	11.70	11.29	11.06	10.36	10.12
270.0	13.93	13.69	13.52	13.11	12.23	11.47	11.18	10.48	10.07
315.0	14.05	13.99	13.46	12.58	12.29	11.41	10.65	10.12	10.30
360.0	14.46	14.16	13.99	12.93	12.23	12.06	11.24	10.42	10.18

Intensity data(cd)

C/γ(°)	90.0
0.0	10.36
45.0	10.18
90.0	10.18
135.0	10.12
180.0	10.18
225.0	10.24
270.0	10.18
315.0	10.42
360.0	10.36