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NT

Client:

LumCAT: 2-2689-L

Luminaire: 92.70.411.00

Report No: 2024330-B025

Ballast type: AC

Test No: 2024330-C025

Voltage(V): 34.170

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.576

Lamp flux(lm): 2850.0

Power (W): 19.681

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2381.46, Efficiency(%): 83.56% , Luminous Efficacy(lm/W): 121.00

Central intensity(cd): 4426.409, Maximum intensity(cd): 4426.409

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

Beam Angle(50%Imax): [C0/180]Total=43.2

[C90/270]Total=43.2

Field angle(10%Imax): [C0/180]Total=66.8

[C90/270]Total=66.8

Maximum s/h(1/2): C0\_180=0.69 C90\_270=0.69

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(%): 83.56%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.860%

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	4426.408	0.000	0	0.00%	0.00%
1.0	4422.019	4.234	4.234	0.15%	0.18%
2.0	4414.703	12.683	16.917	0.45%	0.71%
3.0	4398.975	21.079	37.997	0.74%	1.60%
4.0	4374.615	29.368	67.365	1.03%	2.83%
5.0	4331.967	37.455	104.82	1.31%	4.40%
6.0	4273.006	45.221	150.041	1.59%	6.30%
7.0	4204.315	52.619	202.66	1.85%	8.51%
8.0	4122.895	59.596	262.256	2.09%	11.01%
9.0	4025.821	66.041	328.297	2.32%	13.79%
10.0	3914.775	71.859	400.156	2.52%	16.80%
11.0	3801.095	77.097	477.254	2.71%	20.04%
12.0	3663.201	81.595	558.849	2.86%	23.47%
13.0	3524.283	85.297	644.147	2.99%	27.05%
14.0	3375.124	88.312	732.458	3.10%	30.76%
15.0	3223.112	90.584	823.042	3.18%	34.56%
16.0	3078.415	92.335	915.377	3.24%	38.44%
17.0	2937.742	93.688	1009.065	3.29%	42.37%
18.0	2782.511	94.315	1103.379	3.31%	46.33%
19.0	2631.157	94.187	1197.566	3.30%	50.29%
20.0	2481.559	93.577	1291.143	3.28%	54.22%
21.0	2318.208	92.165	1383.308	3.23%	58.09%
22.0	2149.736	89.785	1473.093	3.15%	61.86%
23.0	2001.821	87.111	1560.204	3.06%	65.51%
24.0	1842.932	84.060	1644.264	2.95%	69.04%
25.0	1675.850	80.009	1724.274	2.81%	72.40%
26.0	1377.261	72.069	1796.343	2.53%	75.43%
27.0	1299.792	65.495	1861.838	2.30%	78.18%
28.0	1180.216	62.789	1924.626	2.20%	80.82%
29.0	1012.490	57.367	1981.994	2.01%	83.23%
30.0	869.001	50.800	2032.793	1.78%	85.36%
31.0	721.641	44.265	2077.059	1.55%	87.22%
32.0	596.513	37.764	2114.822	1.33%	88.80%
33.0	481.274	31.752	2146.574	1.11%	90.14%
34.0	388.377	26.318	2172.892	0.92%	91.24%
35.0	302.159	21.446	2194.338	0.75%	92.14%
36.0	253.212	17.683	2212.021	0.62%	92.89%
37.0	233.029	15.858	2227.88	0.56%	93.55%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	149.503	12.768	2240.648	0.45%	94.09%
39.0	118.435	9.145	2249.793	0.32%	94.47%
40.0	98.245	7.557	2257.35	0.27%	94.79%
41.0	81.880	6.414	2263.765	0.23%	95.06%
42.0	71.719	5.581	2269.345	0.20%	95.29%
43.0	63.394	5.005	2274.35	0.18%	95.50%
44.0	57.879	4.577	2278.927	0.16%	95.69%
45.0	53.585	4.284	2283.211	0.15%	95.87%
46.0	50.234	4.060	2287.271	0.14%	96.04%
47.0	47.352	3.881	2291.152	0.14%	96.21%
48.0	44.821	3.726	2294.879	0.13%	96.36%
49.0	42.524	3.587	2298.465	0.13%	96.52%
50.0	40.454	3.460	2301.925	0.12%	96.66%
51.0	38.449	3.338	2305.263	0.12%	96.80%
52.0	36.599	3.220	2308.484	0.11%	96.94%
53.0	34.901	3.110	2311.594	0.11%	97.07%
54.0	33.285	3.005	2314.599	0.11%	97.19%
55.0	31.609	2.897	2317.496	0.10%	97.31%
56.0	30.198	2.793	2320.289	0.10%	97.43%
57.0	28.764	2.696	2322.985	0.09%	97.54%
58.0	27.469	2.600	2325.585	0.09%	97.65%
59.0	26.182	2.508	2328.093	0.09%	97.76%
60.0	24.843	2.411	2330.504	0.08%	97.86%
61.0	23.628	2.313	2332.817	0.08%	97.96%
62.0	22.304	2.213	2335.03	0.08%	98.05%
63.0	21.105	2.111	2337.142	0.07%	98.14%
64.0	19.876	2.011	2339.152	0.07%	98.22%
65.0	18.969	1.922	2341.075	0.07%	98.30%
66.0	18.339	1.861	2342.936	0.07%	98.38%
67.0	17.959	1.825	2344.761	0.06%	98.46%
68.0	17.652	1.804	2346.565	0.06%	98.53%
69.0	17.506	1.794	2348.359	0.06%	98.61%
70.0	17.571	1.801	2350.16	0.06%	98.69%
71.0	17.718	1.824	2351.984	0.06%	98.76%
72.0	17.813	1.847	2353.832	0.06%	98.84%
73.0	17.864	1.866	2355.697	0.07%	98.92%
74.0	17.776	1.874	2357.571	0.07%	99.00%
75.0	17.527	1.865	2359.436	0.07%	99.08%

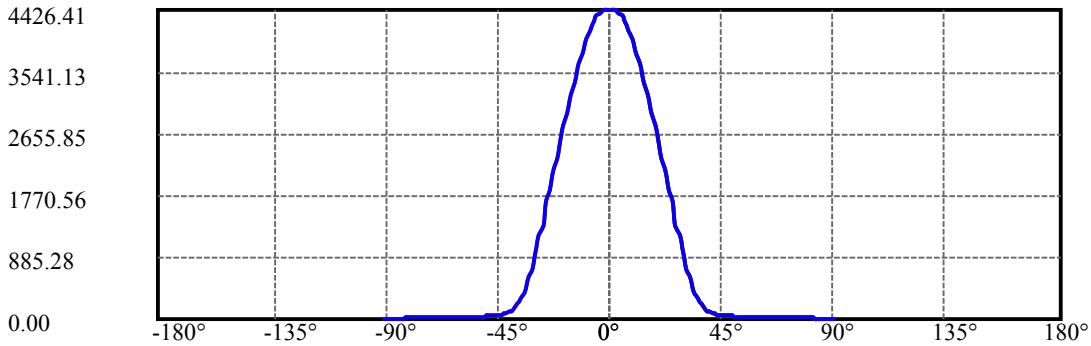
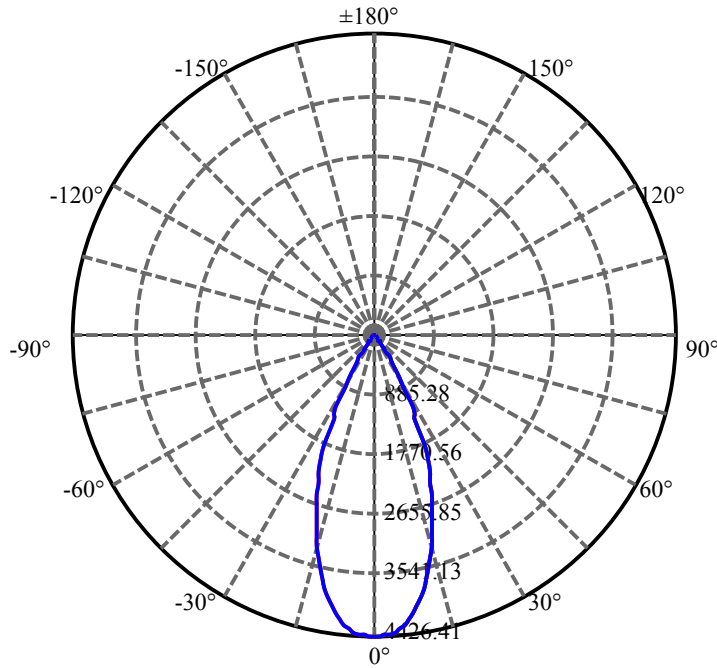
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.301	1.849	2361.285	0.06%	99.15%
77.0	16.986	1.828	2363.113	0.06%	99.23%
78.0	16.525	1.794	2364.907	0.06%	99.31%
79.0	15.860	1.740	2366.647	0.06%	99.38%
80.0	15.055	1.667	2368.314	0.06%	99.45%
81.0	14.243	1.584	2369.898	0.06%	99.51%
82.0	13.694	1.515	2371.413	0.05%	99.58%
83.0	13.182	1.461	2372.874	0.05%	99.64%
84.0	12.553	1.402	2374.276	0.05%	99.70%
85.0	11.873	1.333	2375.609	0.05%	99.75%
86.0	11.127	1.257	2376.867	0.04%	99.81%
87.0	10.702	1.195	2378.061	0.04%	99.86%
88.0	10.424	1.157	2379.219	0.04%	99.91%
89.0	10.154	1.128	2380.346	0.04%	99.95%
90.0	10.117	1.111	2381.458	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2032.79	71.33%	85.36%
0-40	2257.35	79.21%	94.79%
0-60	2330.50	81.77%	97.86%
0-90	2380.35	83.52%	99.95%
0-120	2380.35	83.52%	99.95%
0-180	2381.46	83.56%	100.00%
60-90	49.84	1.75%	2.09%
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%
0-27.69	1905.17	66.85%	80.00%

ZONAL LUMEN SUMMARY

0-10	400.16
10-20	890.99
20-30	741.65
30-40	224.56
40-50	44.57
50-60	28.58
60-70	19.66
70-80	18.15
80-90	12.03
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: —————

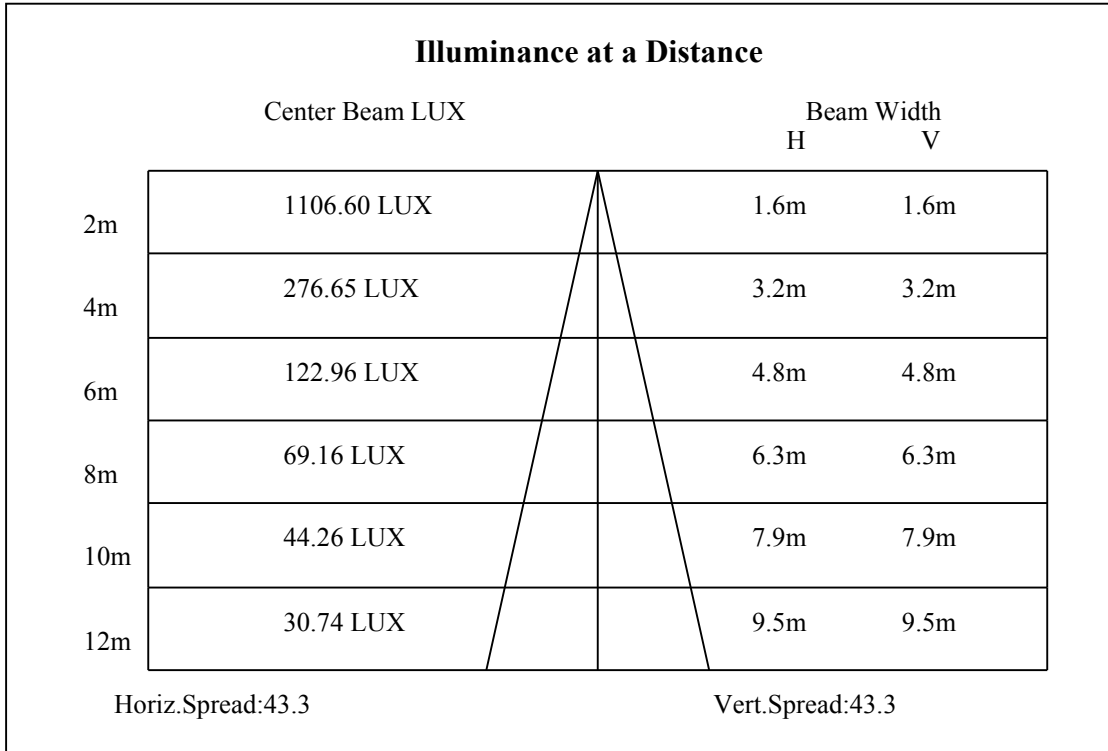
C90/C270: —————

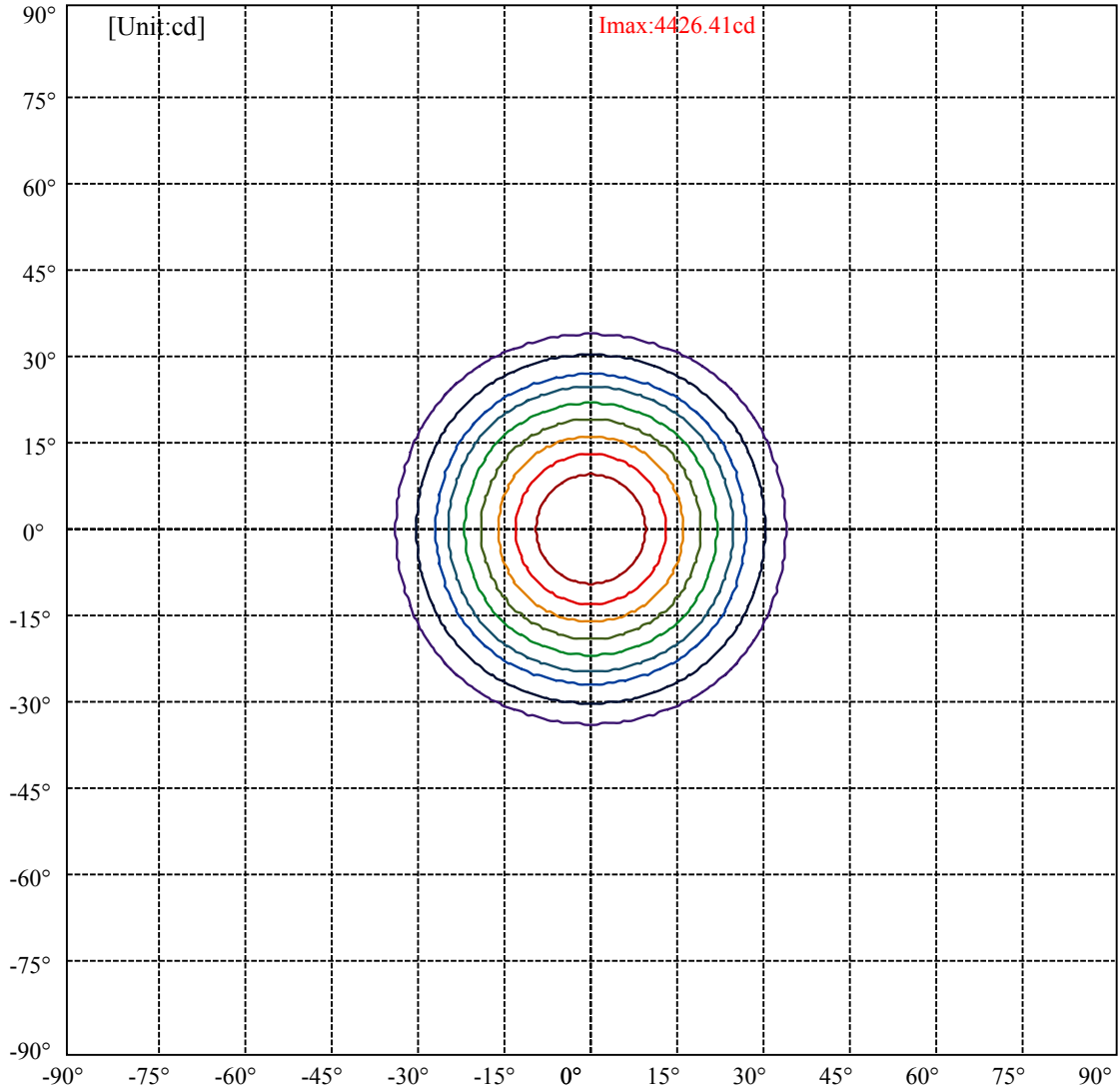
Field angle(10%Imax):C0/180Left:33.4 Right:33.4

:C90/270Left:33.4 Right:33.4

Beam Angle(50%Imax):C0/180Left:21.6 Right:21.6

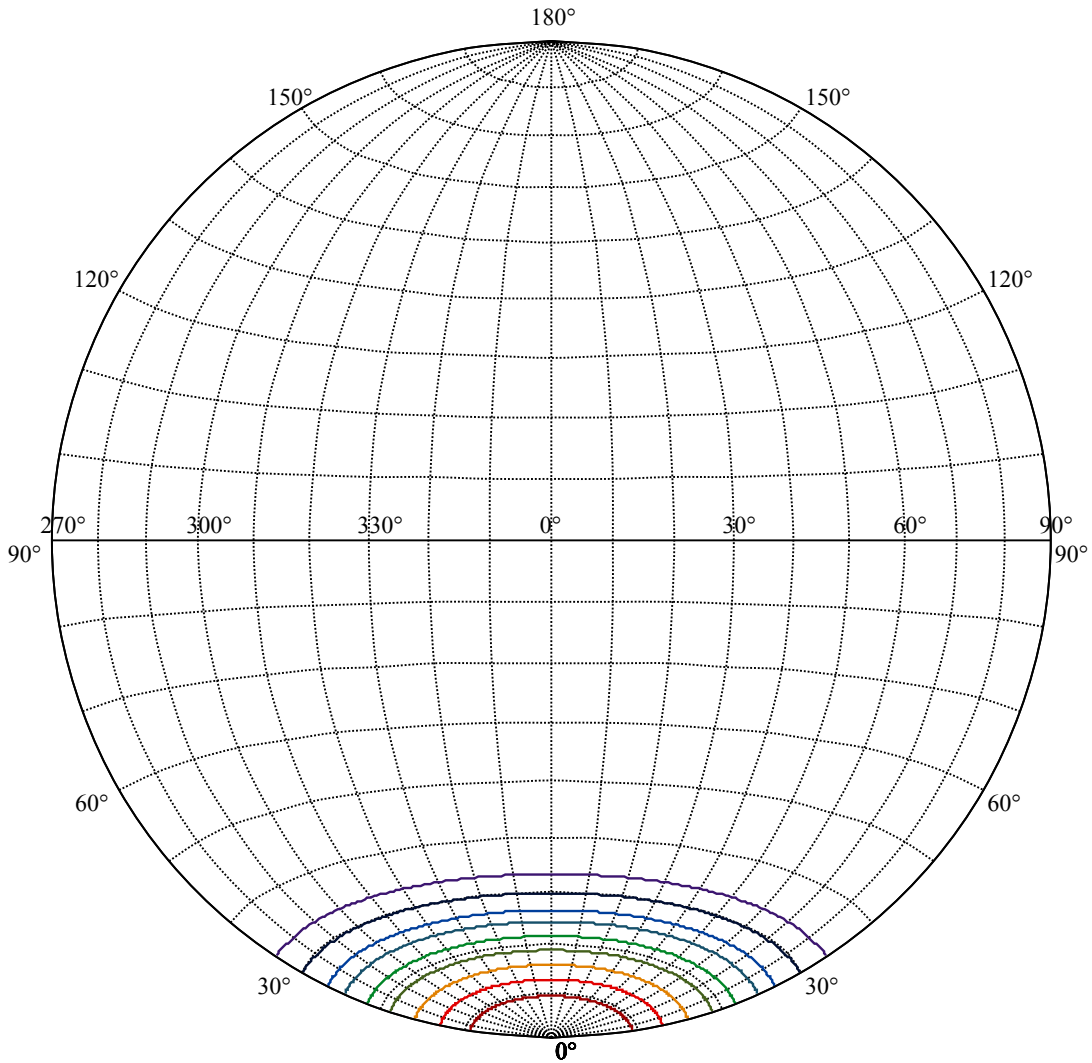
:C90/270Left:21.6 Right:21.6





(10%Imax) 442.641	—
(20%Imax) 885.282	—
(30%Imax) 1327.92	—
(40%Imax) 1770.56	—
(50%Imax) 2213.2	—
(60%Imax) 2655.85	—
(70%Imax) 3098.49	—
(80%Imax) 3541.13	—
(90%Imax) 3983.77	—





House

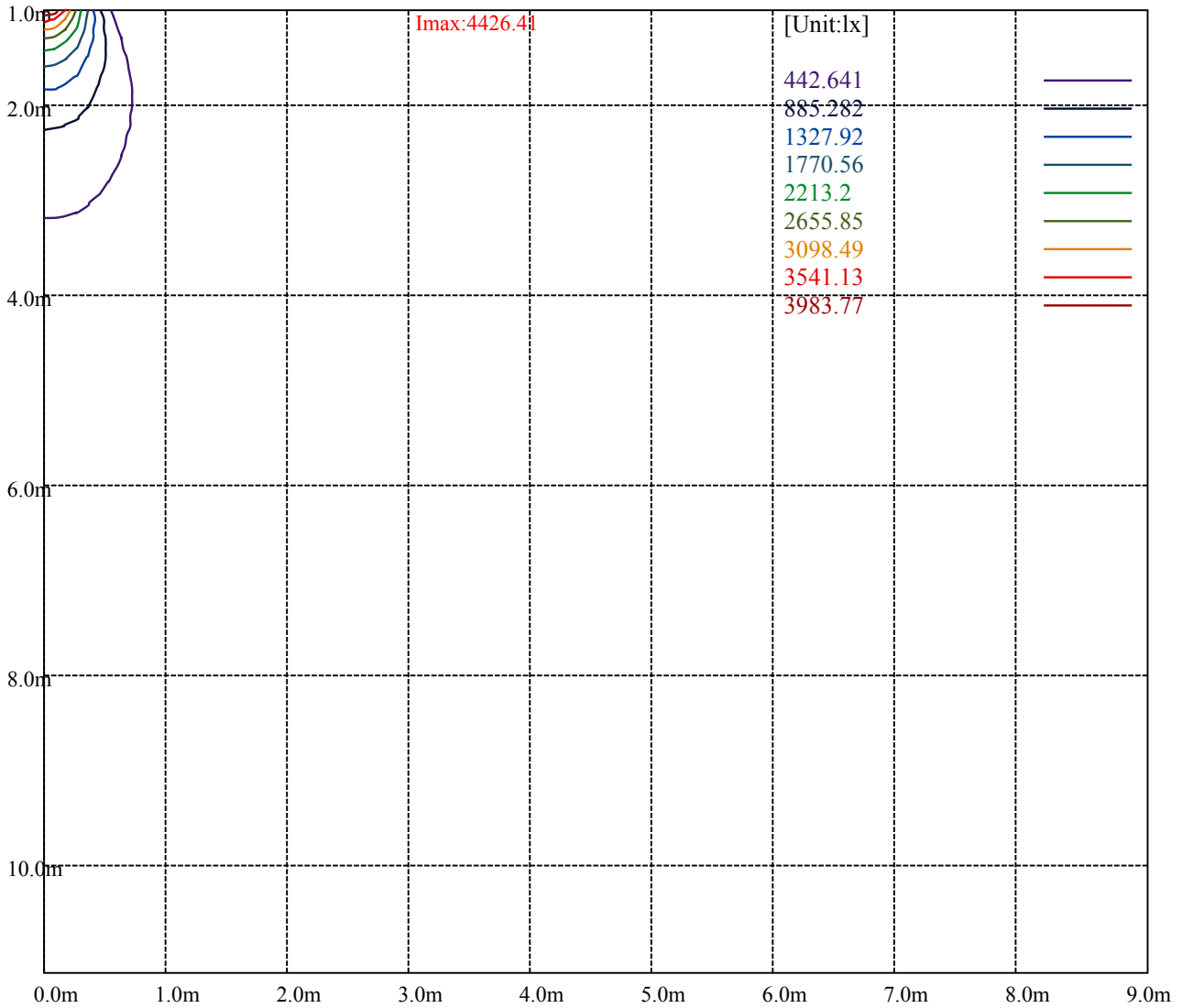
[Unit:cd]

Road

**Imax:4426.41**

(10%Imax)	442.641	—
(20%Imax)	885.282	—
(30%Imax)	1327.92	—
(40%Imax)	1770.56	—
(50%Imax)	2213.2	—
(60%Imax)	2655.85	—
(70%Imax)	3098.49	—
(80%Imax)	3541.13	—
(90%Imax)	3983.77	—





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

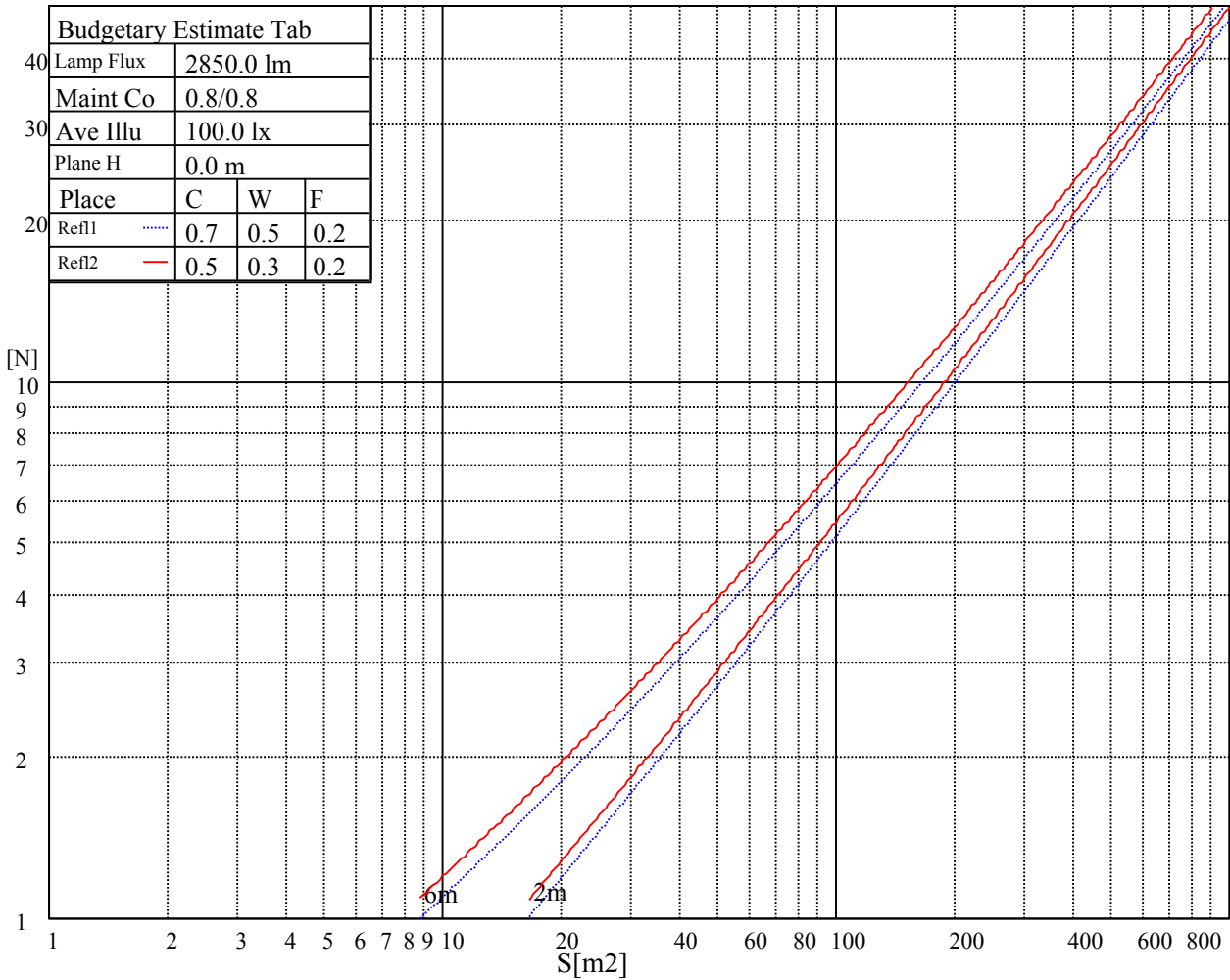
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

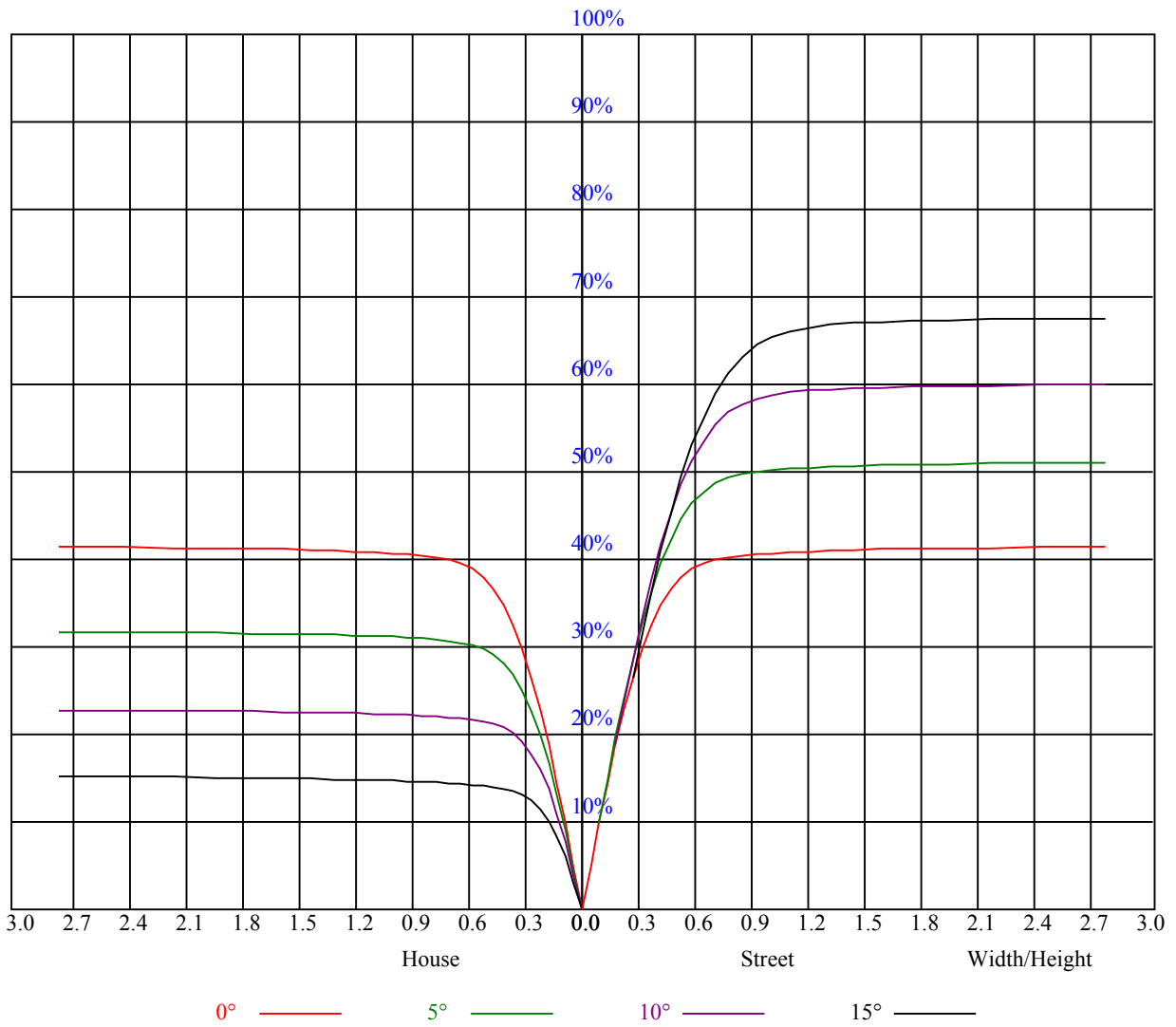


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

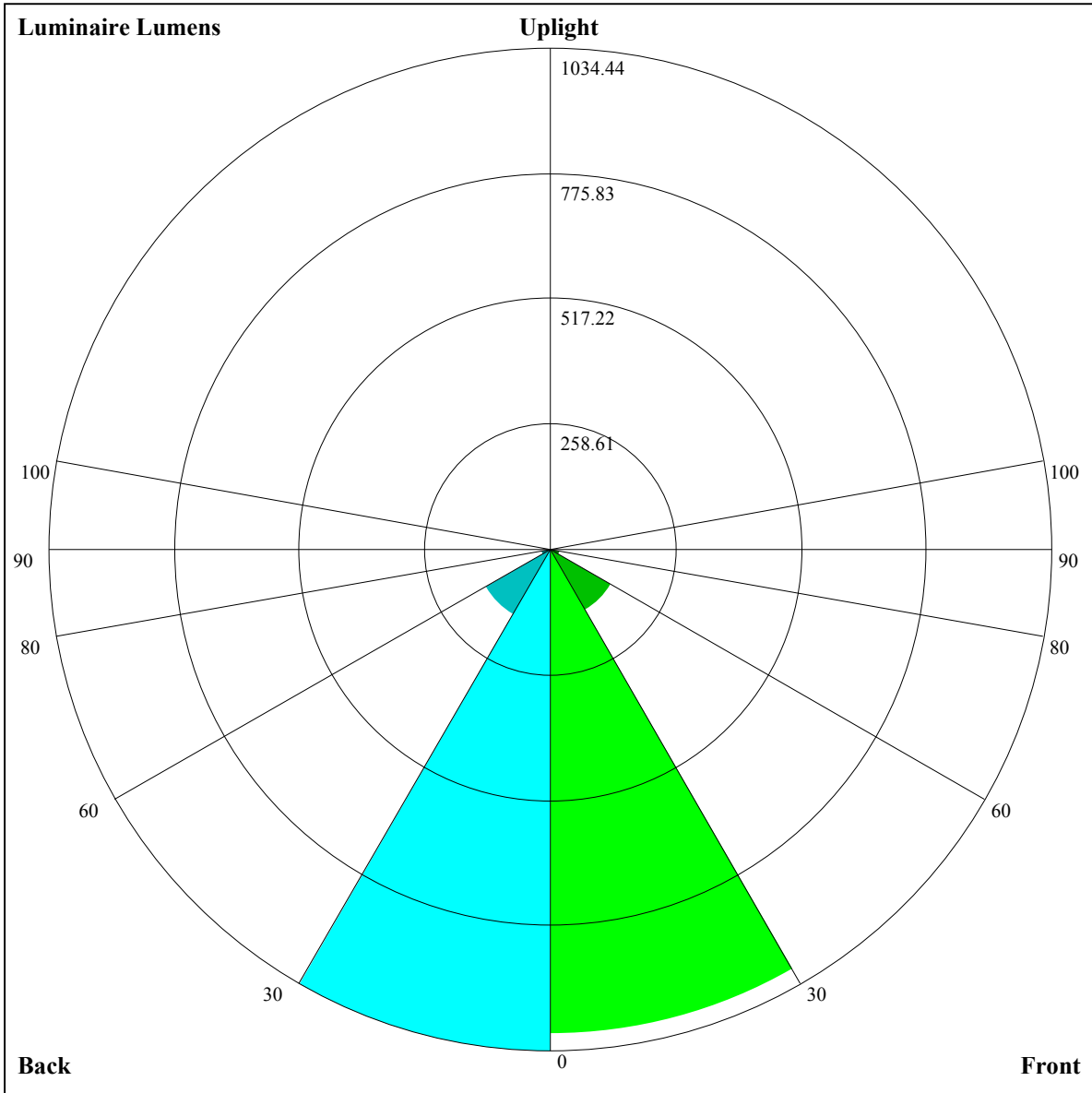
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	0.99	0.99	0.99	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	0.75	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	0.72	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	0.66	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	0.62	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=1001.14,FM=145,FH=19.65,FVH=6.62

BL=1034.44,BM=156.61,BH=18.54,BVH=6.57

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	4431.97	4430.21	4420.85	4396.85	4361.16	4295.02	4227.72	4150.47	4065.03
45.0	4423.77	4424.36	4420.26	4419.68	4400.95	4369.35	4323.12	4250.55	4175.64
90.0	4425.53	4420.26	4410.90	4397.44	4372.27	4324.87	4255.81	4187.34	4104.83
135.0	4424.36	4424.94	4422.02	4415.58	4398.02	4372.27	4333.65	4283.32	4200.80
180.0	4431.97	4425.53	4420.26	4412.66	4395.10	4371.69	4323.12	4268.10	4200.80
225.0	4423.77	4411.48	4400.95	4378.71	4353.55	4304.97	4248.79	4161.59	4079.08
270.0	4425.53	4422.60	4418.51	4403.29	4382.81	4337.75	4280.98	4224.21	4139.94
315.0	4424.36	4416.75	4403.88	4367.59	4333.06	4279.81	4190.85	4108.92	4017.04
360.0	4431.97	4430.21	4420.85	4396.85	4361.16	4295.02	4227.72	4150.47	4065.03
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3939.79	3825.09	3699.85	3568.76	3396.70	3258.01	3085.95	2954.86	2819.67
45.0	4090.78	3970.81	3860.79	3741.99	3585.15	3446.45	3308.92	3137.45	3000.51
90.0	3981.34	3874.25	3754.28	3594.51	3460.49	3327.06	3151.50	3015.14	2884.63
135.0	4129.41	4040.45	3939.21	3800.51	3675.27	3509.07	3370.37	3233.43	3065.47
180.0	4108.34	4013.53	3911.70	3764.81	3638.40	3505.56	3329.40	3190.12	3065.47
225.0	3991.29	3855.52	3738.48	3609.14	3475.71	3301.90	3162.03	3025.67	2891.07
270.0	4050.99	3962.62	3855.52	3702.19	3575.78	3437.67	3296.63	3120.48	2995.83
315.0	3914.63	3775.93	3648.94	3523.70	3386.76	3215.28	3080.10	2950.18	2779.29
360.0	3939.79	3825.09	3699.85	3568.76	3396.70	3258.01	3085.95	2954.86	2819.67
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2645.86	2503.07	2354.42	2207.53	2023.18	1869.85	1716.52	1523.40	1137.97
45.0	2864.73	2724.87	2542.28	2393.63	2248.49	2099.26	1913.16	1759.24	1563.19
90.0	2713.75	2565.10	2420.55	2268.39	2087.56	1934.81	1780.90	1628.15	1160.44
135.0	2934.96	2798.02	2651.13	2466.78	2315.79	2168.90	2019.67	1828.89	1669.71
180.0	2889.90	2758.81	2617.18	2462.10	2266.05	2122.67	1977.53	1825.38	1634.01
225.0	2717.26	2568.61	2421.72	2235.03	2087.56	1941.25	1755.15	1601.23	1143.65
270.0	2857.13	2680.97	2542.28	2357.93	2198.75	2055.37	1909.06	1720.62	1569.05
315.0	2636.50	2449.81	2302.92	2154.27	1970.51	1822.45	1671.46	1519.89	1140.08
360.0	2645.86	2503.07	2354.42	2207.53	2023.18	1869.85	1716.52	1523.40	1137.97
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1137.97	1062.07	881.99	751.90	633.62	498.44	405.44	326.50	248.84
45.0	1406.35	1247.76	1055.80	912.42	780.75	662.53	527.93	431.37	350.02
90.0	1160.44	1122.11	939.23	800.76	644.86	533.55	433.18	348.79	264.87
135.0	1511.69	1315.64	1160.56	1011.33	834.00	707.01	563.63	461.22	372.85
180.0	1484.19	1295.16	1139.49	979.73	829.91	666.04	550.76	446.00	340.66
225.0	1143.65	1105.61	957.25	813.17	657.09	544.03	441.08	355.29	269.20
270.0	1413.96	1266.49	1080.97	931.15	788.36	663.12	525.59	429.61	323.69
315.0	1140.08	1026.89	884.63	751.55	604.54	497.38	402.58	308.24	247.14
360.0	1137.97	1062.07	881.99	751.90	633.62	498.44	405.44	326.50	248.84
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	199.50	160.18	122.78	100.95	85.74	74.62	66.66	59.46	55.25
45.0	298.52	298.52	167.43	134.08	109.20	87.14	75.44	67.24	60.04
90.0	212.14	170.24	136.83	106.45	89.89	77.89	69.12	61.21	56.65
135.0	300.86	300.86	177.79	141.74	114.94	91.41	78.36	69.29	62.56
180.0	306.13	306.13	173.81	133.78	110.14	92.47	79.06	66.83	59.81
225.0	215.60	172.23	132.03	108.38	90.71	75.61	67.18	59.52	55.13
270.0	304.96	304.96	162.93	125.94	103.94	84.68	73.97	66.01	59.81
315.0	187.97	151.11	122.43	96.15	81.40	71.22	63.97	57.59	53.78
360.0	199.50	160.18	122.78	100.95	85.74	74.62	66.66	59.46	55.25

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	51.09	48.98	45.76	43.07	41.08	39.21	37.10	35.46	33.94
45.0	56.12	52.03	49.33	46.94	44.59	42.02	40.15	38.33	36.75
90.0	53.08	49.39	46.94	44.18	42.14	40.26	38.45	36.40	34.76
135.0	56.47	52.73	49.69	46.58	44.30	42.14	39.68	37.86	36.28
180.0	55.07	50.68	47.87	45.41	42.72	40.67	38.80	36.58	34.94
225.0	51.68	48.87	45.82	43.60	41.43	39.62	37.28	35.52	33.88
270.0	54.48	51.21	48.34	45.88	43.01	41.02	39.15	37.34	35.23
315.0	50.68	47.99	45.06	42.90	40.91	38.68	36.99	35.29	33.42
360.0	51.09	48.98	45.76	43.07	41.08	39.21	37.10	35.46	33.94
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.54	30.78	29.50	28.15	26.92	25.28	24.05	22.94	21.83
45.0	34.82	33.30	31.89	30.14	28.79	27.62	26.10	24.81	23.58
90.0	33.24	31.78	30.08	28.79	27.51	26.28	24.81	23.58	22.18
135.0	34.29	32.77	31.31	29.61	28.32	27.15	25.98	24.70	23.17
180.0	33.36	31.54	30.14	28.85	27.56	26.10	24.93	23.76	22.24
225.0	32.36	30.55	29.20	27.62	26.51	25.28	23.76	22.65	21.48
270.0	33.65	31.84	30.49	29.20	27.62	26.45	25.28	23.99	22.47
315.0	32.01	30.31	28.97	27.74	26.51	25.28	23.82	22.59	21.48
360.0	32.54	30.78	29.50	28.15	26.92	25.28	24.05	22.94	21.83
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.54	19.49	18.79	18.14	17.85	17.50	17.44	17.85	18.49
45.0	22.18	21.01	20.01	19.14	18.67	18.38	18.08	18.08	18.79
90.0	21.01	19.72	19.02	19.31	19.84	20.31	21.13	22.06	22.71
135.0	22.00	20.54	19.49	18.61	17.79	17.32	16.91	16.56	16.15
180.0	21.13	20.01	18.67	17.91	17.32	16.74	16.44	16.15	15.86
225.0	20.37	19.08	18.26	17.67	17.26	16.80	16.44	16.21	15.92
270.0	21.36	20.19	19.20	18.20	17.73	17.38	17.15	17.56	17.97
315.0	20.25	18.96	18.32	17.73	17.21	16.80	16.44	16.09	15.86
360.0	20.54	19.49	18.79	18.14	17.85	17.50	17.44	17.85	18.49
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.20	20.01	20.37	20.37	20.31	19.90	19.02	17.50	15.80
45.0	19.96	21.01	22.12	22.71	22.65	22.53	21.77	20.19	18.43
90.0	22.71	22.41	21.71	20.78	20.31	19.84	19.08	17.73	15.51
135.0	15.86	15.63	15.33	15.10	14.92	14.75	14.57	14.40	14.22
180.0	15.51	15.22	15.04	14.81	14.57	14.40	14.16	14.05	13.93
225.0	15.74	15.68	15.57	15.22	15.10	14.69	14.46	14.34	14.16
270.0	18.02	17.67	17.03	16.39	15.86	15.27	14.75	14.46	14.28
315.0	15.51	15.27	15.04	14.86	14.69	14.51	14.40	14.22	14.10
360.0	19.20	20.01	20.37	20.37	20.31	19.90	19.02	17.50	15.80
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.93	13.58	12.99	12.29	11.70	10.89	10.59	10.24	10.12
45.0	16.33	14.22	13.58	13.05	12.35	11.82	10.94	10.53	10.18
90.0	13.99	13.46	12.99	12.29	11.65	10.89	10.59	10.42	10.07
135.0	14.10	13.93	13.52	13.11	12.41	11.59	11.00	10.65	10.36
180.0	13.75	13.64	13.23	12.70	12.17	11.41	10.89	10.65	10.36
225.0	13.87	13.52	13.05	12.23	11.47	10.89	10.59	10.42	10.01
270.0	14.10	13.75	13.28	12.64	11.88	10.94	10.59	10.36	10.07
315.0	13.87	13.46	12.82	12.11	11.35	10.59	10.42	10.12	10.07
360.0	13.93	13.58	12.99	12.29	11.70	10.89	10.59	10.24	10.12

Intensity data(cd)

C/γ(°)	90.0
0.0	10.24
45.0	10.12
90.0	10.07
135.0	10.07
180.0	10.07
225.0	10.12
270.0	10.07
315.0	10.18
360.0	10.24