

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P642004

Luminaire Tested: GWS-SA6C-722-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-722-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16364.1 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

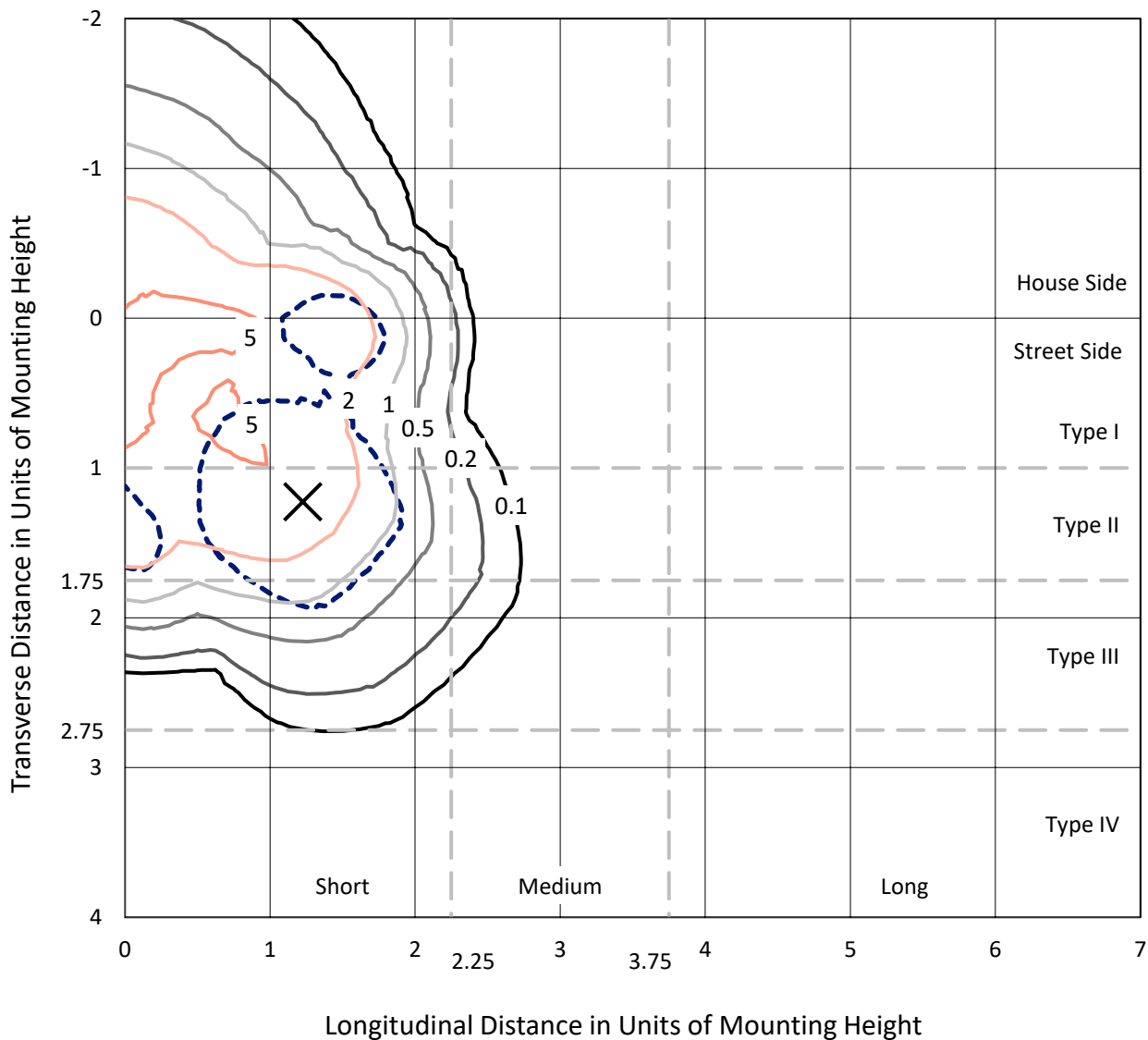
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

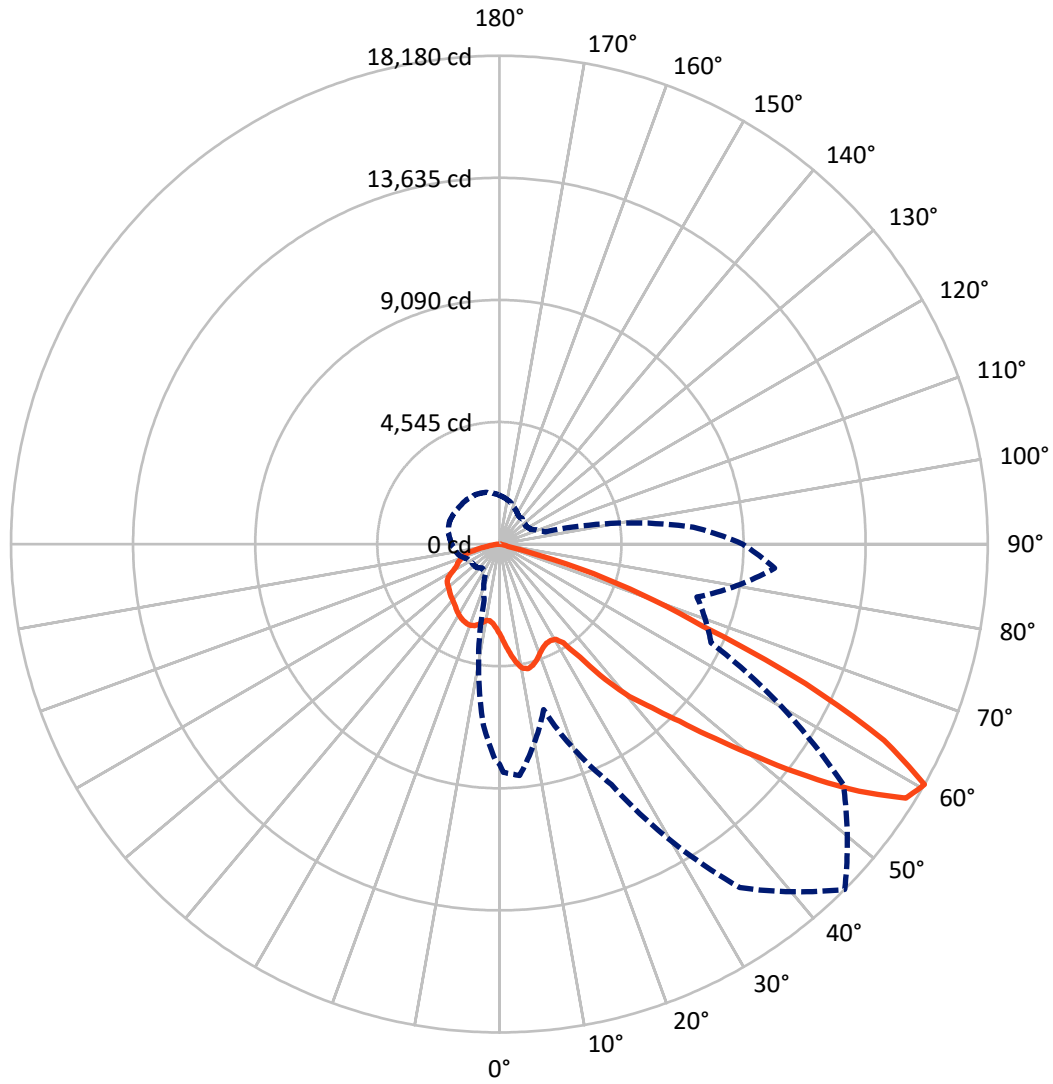
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5736.2	0.0	5736.2
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	10627.9	0.0	10627.9
	% Fixture	64.9	0.0	64.9
Total	Lumens	16364.1	0.0	16364.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.0	2.0
10°-20°	1036.4	6.3
20°-30°	1683.6	10.3
30°-40°	2374.3	14.5
40°-50°	3281.3	20.1
50°-60°	4224.0	25.8
60°-70°	2676.3	16.4
70°-80°	686.8	4.2
80°-90°	73.4	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	16364.1	100.0
0°-180°	16364.1	100.0

Coefficient of Utilization



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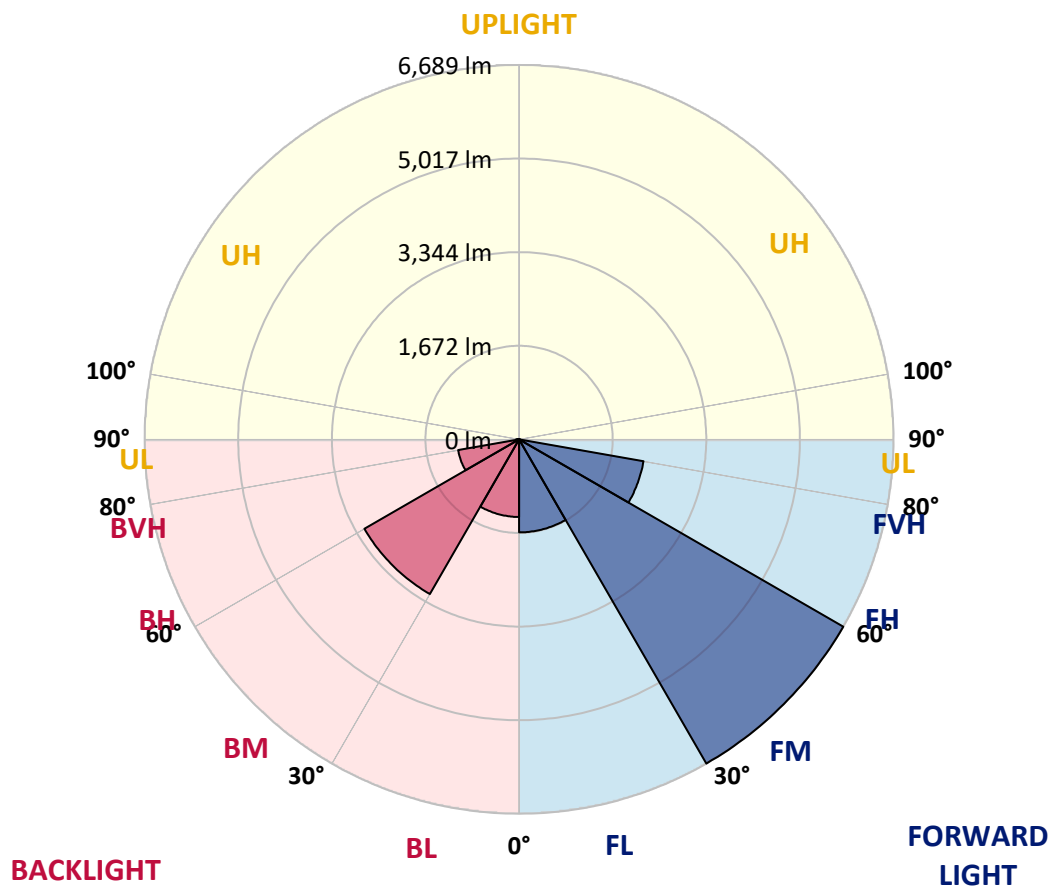
CATALOG NUMBER: GWS-SA6C-722-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1661.6	10.2			
FM (30°-60°)	6688.7	40.9			
FH (60°-80°)	2257.7	13.8			G2/5000
FVH (80°-90°)	20.0	0.1			G1/100
BL (0°-30°)	1386.4	8.5	B3/2500		
BM (30°-60°)	3190.9	19.5	B3/5000		
BH (60°-80°)	1105.4	6.8	B3/2500		G3/2500
BVH (80°-90°)	53.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7
2.5°	3516.1	3540.1	3555.1	3583.6	3634.6	3663.0	3694.5	3660.0	3669.0	3664.5	3609.1
5°	3724.5	3753.0	3792.0	3876.0	3970.4	4022.9	4072.4	4064.9	4018.4	3940.4	3885.0
7.5°	3919.4	3952.4	4019.9	4156.4	4295.8	4376.8	4436.7	4397.8	4358.8	4235.8	4096.4
10°	4072.4	4091.9	4183.3	4366.3	4528.2	4619.7	4693.1	4684.1	4630.2	4492.2	4304.8
12.5°	4216.3	4229.8	4328.8	4511.7	4657.2	4697.6	4757.6	4777.1	4759.1	4655.7	4471.2
15°	4370.8	4396.3	4487.7	4627.2	4693.1	4651.2	4672.1	4726.1	4777.1	4777.1	4607.7
17.5°	4514.7	4537.2	4630.2	4690.1	4627.2	4516.2	4522.2	4591.2	4712.6	4840.1	4732.1
20°	4642.2	4663.1	4754.6	4697.6	4498.2	4336.3	4331.8	4415.7	4612.2	4880.6	4865.6
22.5°	4781.6	4811.6	4888.1	4703.6	4378.3	4172.8	4171.3	4258.3	4523.7	4921.0	5018.5
25°	4979.5	5026.0	5065.0	4756.1	4313.8	4066.4	4085.9	4168.3	4495.2	4987.0	5244.9
27.5°	5273.4	5310.9	5307.9	4865.6	4310.8	4022.9	4063.4	4159.3	4546.2	5104.0	5483.3
30°	5591.3	5610.8	5579.3	5018.5	4379.8	4049.9	4109.9	4223.8	4675.1	5297.4	5834.2
32.5°	5943.6	5967.6	5907.7	5247.9	4540.2	4249.3	4381.3	4436.7	4856.6	5576.3	6206.0
35°	6348.5	6395.0	6270.5	5550.8	5012.5	4976.5	5168.4	5096.5	5241.9	5906.2	6603.4
37.5°	6774.3	6775.8	6597.4	5999.1	5939.1	6000.6	6384.5	6159.6	6059.1	6273.5	7008.2
40°	7135.7	7126.7	6852.3	6603.4	6745.8	6990.2	7453.5	7108.7	6844.8	6766.8	7344.1
42.5°	7497.0	7464.0	7186.6	6987.2	7302.1	7804.4	8327.7	7904.9	7348.6	7215.1	7675.5
45°	7958.8	7948.3	7614.0	7140.2	7804.4	8716.0	9410.3	8725.0	7647.0	7476.0	8227.2
47.5°	8704.0	8653.1	8030.8	7128.2	8275.2	9930.6	10807.7	9758.1	7855.4	7482.0	9117.9
50°	9432.8	9369.8	8528.6	7126.7	8761.0	11190.1	12457.1	11013.1	8068.3	7518.0	10023.5
52.5°	10169.0	10169.0	9345.8	7296.1	9270.8	12596.5	14362.8	12577.0	8431.2	7988.8	11137.6
55°	10606.8	10723.7	10264.9	7582.5	9867.6	14251.8	16247.6	14265.3	8991.9	8839.0	12166.2
57.5°	10050.5	10269.4	10203.5	7383.1	10219.9	15467.9	17845.9	15545.8	9269.3	8939.5	12011.7
60°	8189.7	8494.1	8645.6	6375.5	9872.1	15608.8	18180.3	15629.8	8696.5	7612.5	10288.9
62.5°	5444.3	5694.7	5925.6	4555.2	8546.6	14041.9	16079.6	14046.4	7263.1	5681.2	7128.2
65°	2670.4	2856.4	3105.3	2692.9	6676.9	11732.8	12536.5	11350.5	5253.9	3180.2	3636.1
67.5°	698.7	751.2	785.7	1045.1	4783.1	8429.7	8176.3	8302.2	3375.2	1039.1	950.6
70°	362.9	365.9	364.4	431.8	3232.7	5357.4	5634.8	5213.4	2355.6	434.8	374.9
72.5°	259.4	260.9	256.4	290.9	1560.9	3069.3	3180.2	3145.8	1234.0	257.9	256.4
75°	169.4	170.9	167.9	170.9	235.4	349.4	322.4	338.9	205.4	163.4	163.4
77.5°	100.5	102.0	100.5	103.5	100.5	100.5	93.0	93.0	88.5	88.5	90.0
80°	67.5	67.5	66.0	69.0	63.0	63.0	60.0	58.5	54.0	52.5	52.5
82.5°	40.5	42.0	40.5	40.5	37.5	37.5	34.5	33.0	28.5	28.5	27.0
85°	21.0	21.0	19.5	19.5	16.5	15.0	12.0	12.0	9.0	7.5	7.5
87.5°	3.0	3.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7
2.5°	3594.1	3564.1	3519.1	3475.6	3435.1	3393.2	3345.2	3295.7	3253.7	3210.2	3187.7
5°	3811.5	3750.0	3633.1	3529.6	3436.6	3360.2	3277.7	3207.2	3141.3	3087.3	3060.3
7.5°	4007.9	3911.9	3735.0	3571.6	3445.6	3340.7	3226.7	3121.8	3033.3	2967.3	2941.8
10°	4189.3	4075.4	3843.0	3636.1	3489.1	3372.2	3232.7	3090.3	2973.3	2886.4	2865.4
12.5°	4336.3	4205.8	3928.4	3688.5	3514.6	3388.7	3265.7	3142.8	3027.3	2914.8	2896.9
15°	4466.7	4312.3	3992.9	3721.5	3505.6	3345.2	3241.7	3226.7	3226.7	3099.3	3063.3
17.5°	4579.2	4409.7	4045.4	3736.5	3448.6	3216.2	3153.2	3283.7	3430.6	3339.2	3258.2
20°	4708.1	4502.7	4088.9	3736.5	3343.7	3052.8	3046.8	3268.7	3486.1	3487.6	3402.1
22.5°	4838.6	4610.7	4139.9	3723.0	3199.7	2863.9	2974.8	3208.7	3402.1	3484.6	3426.1
25°	5050.0	4760.6	4220.8	3712.5	3031.8	2734.9	2910.3	3129.3	3292.7	3379.7	3342.2
27.5°	5318.4	4958.5	4343.8	3729.0	2865.4	2658.4	2841.4	3025.8	3174.2	3250.7	3223.7
30°	5618.3	5186.4	4475.7	3757.5	2745.4	2619.5	2758.9	2907.3	3039.3	3115.8	3103.8
32.5°	6000.6	5433.8	4589.7	3718.5	2677.9	2600.0	2671.9	2778.4	2905.8	2953.8	2964.3
35°	6457.9	5706.7	4676.6	3565.6	2616.5	2579.0	2577.5	2643.5	2733.4	2809.9	2817.4
37.5°	6879.3	6026.1	4772.6	3303.2	2505.5	2526.5	2466.5	2505.5	2594.0	2670.4	2700.4
40°	7296.1	6350.0	4906.1	2968.8	2360.1	2409.5	2339.1	2366.1	2436.5	2537.0	2585.0
42.5°	7700.9	6642.4	5047.0	2627.0	2214.6	2246.1	2193.6	2220.6	2294.1	2420.0	2474.0
45°	8141.8	7038.2	5156.5	2304.6	2088.7	2075.2	2033.2	2072.2	2183.1	2321.1	2385.6
47.5°	8975.4	7662.0	5228.4	2090.2	2021.2	1923.7	1875.8	1959.7	2085.7	2225.1	2303.1
50°	9993.5	8564.6	5207.4	1953.7	1962.7	1767.8	1751.3	1862.3	1997.2	2142.6	2228.1
52.5°	10800.2	9450.7	4969.0	1823.3	1848.8	1668.8	1620.9	1782.8	1911.7	2060.2	2148.6
55°	11416.5	9749.1	4237.3	1668.8	1662.8	1596.9	1496.4	1700.3	1826.3	1964.2	2060.2
57.5°	10914.2	9084.9	3141.3	1455.9	1419.9	1454.4	1357.0	1560.9	1721.3	1857.8	1943.2
60°	9057.9	7243.6	1749.8	1289.5	1187.5	1271.5	1256.5	1413.9	1607.4	1751.3	1824.8
62.5°	6149.1	4823.6	1037.6	1019.6	962.6	1082.6	1162.0	1265.5	1455.9	1572.9	1641.8
65°	3064.8	2343.6	689.7	763.2	770.7	890.6	1040.6	1154.5	1313.5	1433.4	1502.4
67.5°	889.1	728.7	524.8	583.3	664.2	760.2	880.2	1015.1	1169.5	1312.0	1392.9
70°	383.8	388.3	416.8	485.8	565.3	664.2	784.2	916.1	1046.6	1156.0	1217.5
72.5°	271.4	281.9	313.4	383.8	458.8	553.3	673.2	800.7	895.1	1006.1	1070.6
75°	173.9	181.4	206.9	260.9	316.4	407.8	521.8	638.7	736.2	815.7	877.2
77.5°	96.0	97.5	118.5	149.9	187.4	245.9	329.9	421.3	493.3	538.3	593.8
80°	55.5	55.5	66.0	85.5	108.0	143.9	190.4	235.4	278.9	307.4	334.4
82.5°	30.0	30.0	34.5	46.5	58.5	79.5	106.5	128.9	155.9	170.9	188.9
85°	9.0	9.0	12.0	16.5	21.0	30.0	42.0	54.0	66.0	76.5	87.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7
2.5°	3183.2	3162.2	3150.2	3135.3	3139.8	3126.3	3118.8	3123.3	3096.3	3123.3	3150.2
5°	3049.8	3019.8	2995.8	2976.3	2967.3	2949.3	2938.8	2938.8	2922.3	2949.3	2982.3
7.5°	2932.8	2908.8	2896.9	2884.9	2871.4	2854.9	2836.9	2830.9	2820.4	2848.9	2877.4
10°	2854.9	2857.9	2865.4	2881.9	2878.9	2868.4	2841.4	2826.4	2826.4	2859.4	2902.8
12.5°	2890.9	2922.3	2940.3	2970.3	2976.3	2967.3	2940.3	2928.3	2958.3	3007.8	3079.8
15°	3030.3	3051.3	3066.3	3090.3	3088.8	3081.3	3060.3	3069.3	3168.2	3264.2	3328.7
17.5°	3181.7	3157.7	3154.7	3169.7	3174.2	3165.2	3153.2	3193.7	3357.2	3447.1	3480.1
20°	3291.2	3208.7	3190.7	3196.7	3208.7	3204.2	3204.2	3270.2	3439.6	3481.6	3439.6
22.5°	3324.2	3207.2	3180.2	3181.7	3198.2	3199.7	3207.2	3276.2	3375.2	3376.7	3312.2
25°	3271.7	3159.2	3139.8	3142.8	3162.2	3160.7	3163.7	3202.7	3246.2	3228.2	3180.2
27.5°	3172.7	3075.3	3069.3	3085.8	3111.3	3097.8	3088.8	3099.3	3120.3	3097.8	3055.8
30°	3060.3	2977.8	2980.8	3012.3	3039.3	3016.8	2994.3	3000.3	3001.8	2977.8	2929.8
32.5°	2941.8	2880.4	2890.9	2923.8	2955.3	2931.3	2907.3	2904.3	2875.9	2847.4	2800.9
35°	2823.4	2799.4	2812.9	2839.9	2866.9	2847.4	2832.4	2823.4	2761.9	2719.9	2680.9
37.5°	2715.4	2733.4	2757.4	2773.9	2782.9	2781.4	2772.4	2751.4	2670.4	2621.0	2570.0
40°	2619.5	2674.9	2700.4	2707.9	2721.4	2718.4	2716.9	2686.9	2580.5	2528.0	2469.5
42.5°	2532.5	2610.5	2653.9	2661.4	2668.9	2670.4	2665.9	2622.5	2501.0	2439.5	2384.1
45°	2448.5	2550.5	2606.0	2598.5	2609.0	2609.0	2613.5	2556.5	2423.0	2360.1	2301.6
47.5°	2375.1	2495.0	2546.0	2537.0	2543.0	2547.5	2552.0	2486.0	2337.6	2277.6	2217.6
50°	2307.6	2435.0	2478.5	2481.5	2481.5	2492.0	2490.5	2426.0	2265.6	2201.1	2141.2
52.5°	2235.6	2373.6	2420.0	2439.5	2445.5	2450.0	2429.0	2354.1	2192.1	2114.2	2058.7
55°	2151.6	2310.6	2352.6	2378.1	2390.1	2387.1	2358.6	2282.1	2117.2	2039.2	1976.2
57.5°	2024.2	2175.6	2235.6	2247.6	2267.1	2255.1	2222.1	2157.6	1997.2	1919.2	1854.8
60°	1884.8	1994.2	2042.2	2052.7	2037.7	2042.2	2037.7	1976.2	1836.8	1775.3	1709.3
62.5°	1701.8	1799.3	1850.3	1863.8	1838.3	1854.8	1848.8	1772.3	1632.9	1568.4	1509.9
65°	1563.9	1670.3	1730.3	1737.8	1730.3	1737.8	1716.8	1623.9	1491.9	1425.9	1366.0
67.5°	1455.9	1565.4	1628.4	1649.3	1641.8	1640.3	1607.4	1499.4	1363.0	1291.0	1214.5
70°	1270.0	1366.0	1446.9	1497.9	1497.9	1469.4	1406.4	1306.0	1196.5	1135.0	1075.1
72.5°	1124.6	1246.0	1325.5	1378.0	1388.4	1372.0	1283.5	1177.0	1051.1	989.6	926.6
75°	926.6	1045.1	1130.6	1199.5	1213.0	1195.0	1093.1	988.1	871.2	811.2	748.2
77.5°	619.3	689.7	758.7	821.7	808.2	820.2	751.2	671.7	599.8	554.8	526.3
80°	349.4	395.8	416.8	451.3	451.3	451.3	406.3	368.9	328.4	302.9	274.4
82.5°	197.9	227.9	236.9	265.4	272.9	274.4	244.4	220.4	194.9	181.4	161.9
85°	91.5	108.0	109.5	126.0	131.9	143.9	130.4	114.0	99.0	93.0	81.0
87.5°	3.0	9.0	12.0	22.5	30.0	34.5	37.5	37.5	31.5	28.5	24.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7	3361.7
2.5°	3183.2	3219.2	3261.2	3291.2	3345.2	3390.2	3436.6	3487.6	3525.1	3516.1
5°	3022.8	3082.8	3159.2	3229.7	3330.2	3432.1	3544.6	3660.0	3727.5	3724.5
7.5°	2932.8	3018.3	3111.3	3205.7	3324.2	3471.1	3643.6	3823.5	3914.9	3919.4
10°	2980.8	3072.3	3135.3	3214.7	3339.2	3523.6	3730.5	3946.4	4051.4	4072.4
12.5°	3132.3	3124.8	3120.3	3177.2	3327.2	3561.1	3814.5	4072.4	4190.8	4216.3
15°	3276.2	3121.8	3028.8	3067.8	3273.2	3585.1	3897.0	4210.3	4343.8	4370.8
17.5°	3303.2	3069.3	2896.9	2923.8	3187.7	3592.6	3976.4	4345.3	4489.2	4514.7
20°	3228.2	3001.8	2800.9	2763.4	3079.8	3573.1	4025.9	4457.7	4615.2	4642.2
22.5°	3133.8	2941.8	2728.9	2631.5	2947.8	3553.6	4081.4	4576.2	4757.6	4781.6
25°	3034.8	2865.4	2661.4	2513.0	2797.9	3541.6	4174.3	4732.1	4951.0	4979.5
27.5°	2929.8	2772.4	2603.0	2456.0	2659.9	3556.6	4306.3	4984.0	5232.9	5273.4
30°	2817.4	2679.4	2565.5	2436.5	2565.5	3570.1	4451.7	5241.9	5534.3	5591.3
32.5°	2700.4	2594.0	2526.5	2445.5	2507.0	3538.6	4579.2	5531.3	5894.2	5943.6
35°	2583.5	2507.0	2477.0	2462.0	2429.0	3423.1	4682.6	5823.7	6305.0	6348.5
37.5°	2474.0	2417.0	2408.0	2424.5	2309.1	3234.2	4802.6	6195.5	6708.3	6774.3
40°	2372.1	2319.6	2318.1	2315.1	2177.1	2976.3	4964.5	6573.4	7105.7	7135.7
42.5°	2277.6	2211.6	2223.6	2187.6	2069.2	2697.4	5117.5	6895.8	7476.0	7497.0
45°	2193.6	2106.7	2120.2	2075.2	2018.2	2405.0	5252.4	7276.6	7945.3	7958.8
47.5°	2112.7	2019.7	1982.2	1979.2	2009.2	2135.2	5384.4	8009.8	8680.1	8704.0
50°	2037.7	1937.2	1830.8	1896.7	1953.7	1932.7	5549.3	8795.5	9438.8	9432.8
52.5°	1965.7	1833.8	1682.3	1809.8	1809.8	1782.8	5502.8	9272.3	10065.5	10169.0
55°	1883.3	1667.3	1527.9	1664.3	1598.4	1647.8	4679.6	9428.3	10459.8	10606.8
57.5°	1719.8	1461.9	1340.5	1413.9	1315.0	1527.9	3361.7	8654.6	9789.6	10050.5
60°	1562.4	1310.5	1231.0	1217.5	1088.6	1246.0	2178.6	6775.8	8057.8	8189.7
62.5°	1378.0	1180.0	1112.6	1009.1	875.7	907.1	1319.5	4459.2	5414.4	5444.3
65°	1238.5	1069.1	940.1	817.2	716.7	658.2	779.7	2150.1	2706.4	2670.4
67.5°	1063.1	916.1	793.2	704.7	622.3	548.8	518.8	638.7	722.7	698.7
70°	946.1	805.2	686.7	602.8	526.3	452.8	400.3	376.4	368.9	362.9
72.5°	815.7	692.7	569.8	488.8	416.8	349.4	301.4	272.9	265.4	259.4
75°	650.7	535.3	422.8	346.4	283.4	235.4	203.9	179.9	175.4	169.4
77.5°	430.3	343.4	251.9	205.4	167.9	142.4	121.5	106.5	103.5	100.5
80°	236.9	197.9	154.4	124.5	100.5	87.0	79.5	70.5	69.0	67.5
82.5°	140.9	118.5	88.5	70.5	58.5	52.5	48.0	43.5	42.0	40.5
85°	70.5	55.5	39.0	33.0	30.0	27.0	27.0	22.5	21.0	21.0
87.5°	18.0	15.0	9.0	7.5	7.5	7.5	6.0	4.5	4.5	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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