

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: P641674

Luminaire Tested: GWS-SA6B-735-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641674
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-SA6B-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16338.2 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

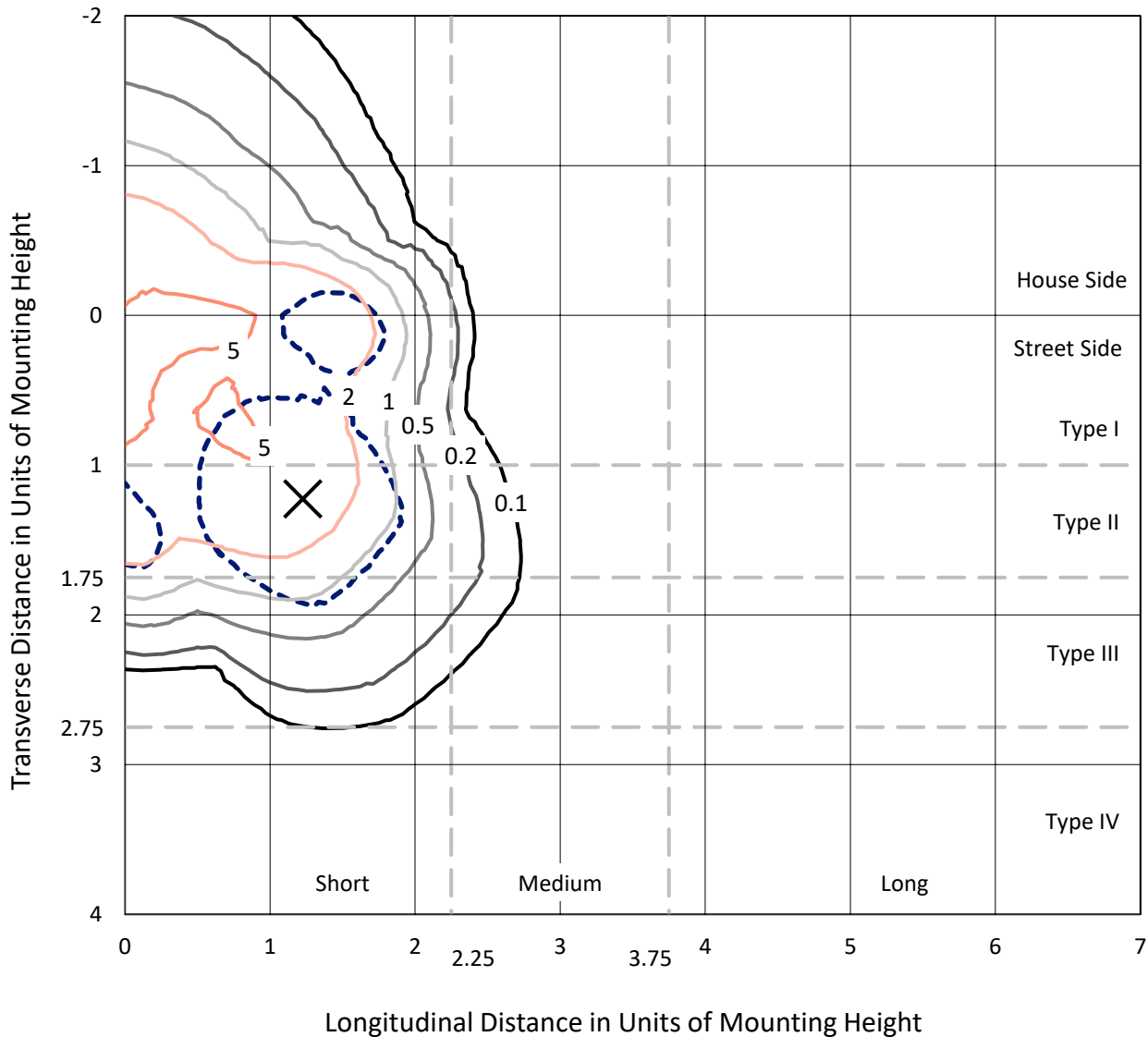
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

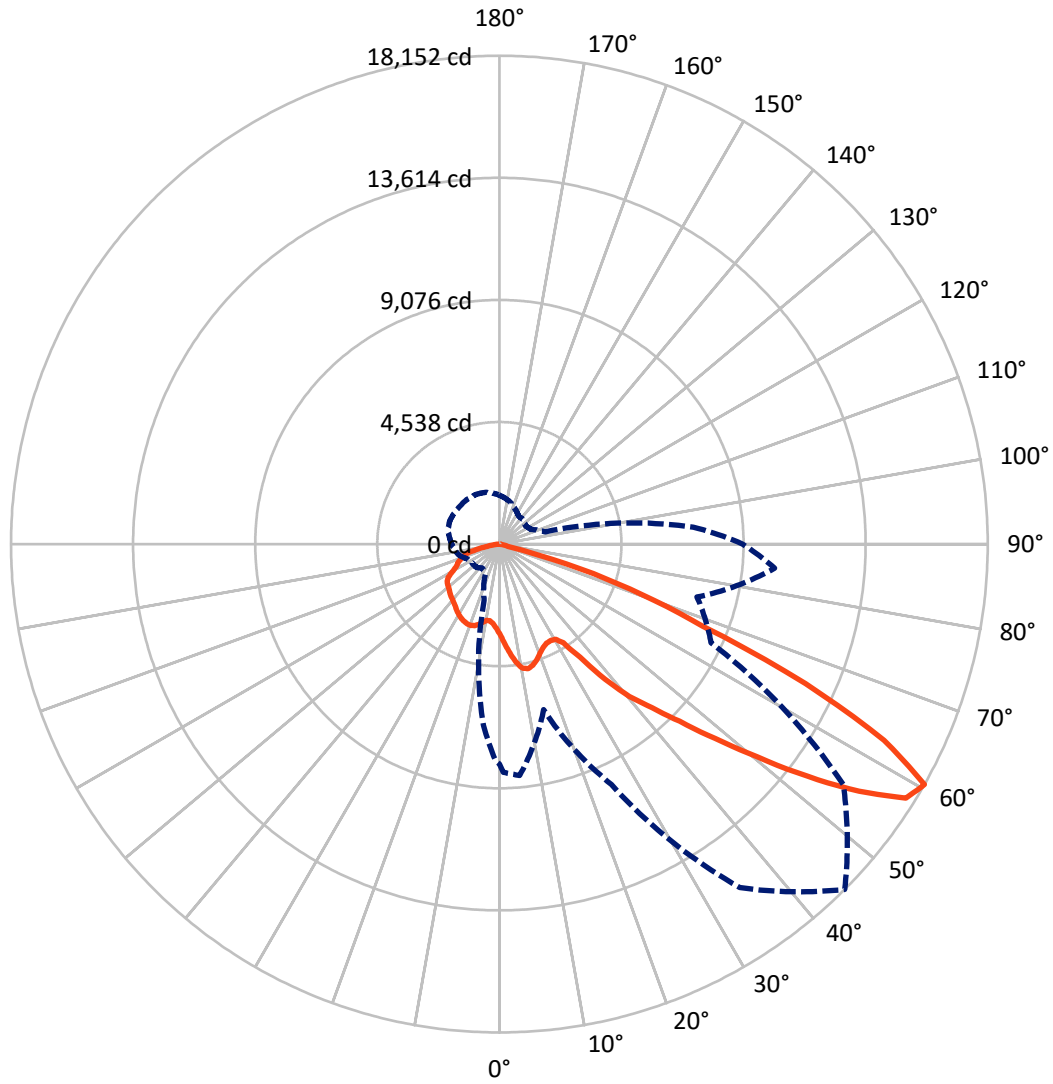
✕ Max cd
 - - - 1/2 Max cd



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	5727.1	0.0	5727.1
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	10611.1	0.0	10611.1
	% Fixture	64.9	0.0	64.9
Total	Lumens	16338.2	0.0	16338.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.5	2.0
10°-20°	1034.8	6.3
20°-30°	1680.9	10.3
30°-40°	2370.6	14.5
40°-50°	3276.1	20.1
50°-60°	4217.3	25.8
60°-70°	2672.1	16.4
70°-80°	685.7	4.2
80°-90°	73.3	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°	16338.2	100.0
0°-180°	16338.2	100.0

Coefficient of Utilization



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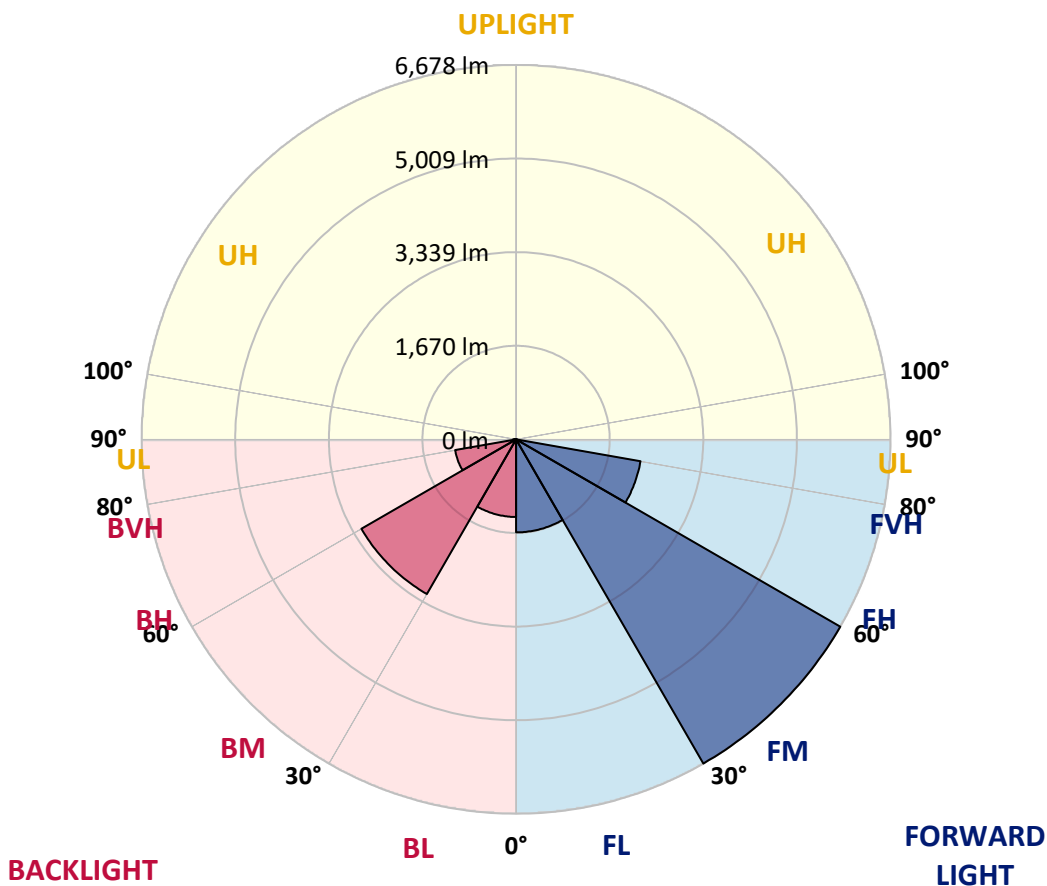
CATALOG NUMBER: GWS-SA6B-735-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1658.9	10.2			
FM (30°-60°)	6678.1	40.9			
FH (60°-80°)	2254.1	13.8			G2/5000
FVH (80°-90°)	19.9	0.1			G1/100
BL (0°-30°)	1384.2	8.5	B3/2500		
BM (30°-60°)	3185.8	19.5	B3/5000		
BH (60°-80°)	1103.7	6.8	B3/2500		G3/2500
BVH (80°-90°)	53.4	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°	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3
2.5°	3510.5	3534.5	3549.5	3577.9	3628.8	3657.2	3688.7	3654.3	3663.2	3658.7	3603.4
5°	3718.6	3747.1	3786.0	3869.8	3964.1	4016.5	4065.9	4058.5	4012.0	3934.2	3878.8
7.5°	3913.2	3946.2	4013.5	4149.8	4289.0	4369.8	4429.7	4390.8	4351.9	4229.1	4089.9
10°	4065.9	4085.4	4176.7	4359.4	4521.0	4612.4	4685.7	4676.7	4622.8	4485.1	4298.0
12.5°	4209.7	4223.1	4321.9	4504.6	4649.8	4690.2	4750.1	4769.5	4751.6	4648.3	4464.1
15°	4363.8	4389.3	4480.6	4619.8	4685.7	4643.8	4664.8	4718.6	4769.5	4769.5	4600.4
17.5°	4507.6	4530.0	4622.8	4682.7	4619.8	4509.1	4515.0	4583.9	4705.2	4832.4	4724.6
20°	4634.8	4655.8	4747.1	4690.2	4491.1	4329.4	4324.9	4408.8	4604.9	4872.8	4857.9
22.5°	4774.0	4804.0	4880.3	4696.2	4371.3	4166.2	4164.7	4251.6	4516.5	4913.3	5010.6
25°	4971.6	5018.1	5057.0	4748.6	4307.0	4060.0	4079.4	4161.7	4488.1	4979.1	5236.6
27.5°	5265.1	5302.5	5299.5	4857.9	4304.0	4016.5	4057.0	4152.8	4539.0	5095.9	5474.6
30°	5582.4	5601.9	5570.5	5010.6	4372.8	4043.5	4103.4	4217.1	4667.7	5289.0	5825.0
32.5°	5934.2	5958.2	5898.3	5239.6	4533.0	4242.6	4374.3	4429.7	4848.9	5567.5	6196.2
35°	6338.4	6384.8	6260.6	5542.0	5004.6	4968.6	5160.3	5088.4	5233.6	5896.8	6592.9
37.5°	6763.6	6765.1	6586.9	5989.6	5929.7	5991.1	6374.4	6149.8	6049.5	6263.6	6997.1
40°	7124.4	7115.4	6841.4	6592.9	6735.1	6979.2	7441.7	7097.4	6833.9	6756.1	7332.5
42.5°	7485.2	7452.2	7175.3	6976.2	7290.5	7792.1	8314.5	7892.4	7337.0	7203.7	7663.3
45°	7946.2	7935.8	7601.9	7128.9	7792.1	8702.2	9395.4	8711.2	7634.9	7464.2	8214.2
47.5°	8690.3	8639.4	8018.1	7116.9	8262.1	9914.8	10790.6	9742.7	7842.9	7470.2	9103.5
50°	9417.8	9355.0	8515.1	7115.4	8747.2	11172.3	12437.3	10995.7	8055.5	7506.1	10007.7
52.5°	10152.9	10152.9	9331.0	7284.6	9256.1	12576.6	14340.1	12557.1	8417.8	7976.2	11120.0
55°	10590.0	10706.8	10248.7	7570.5	9852.0	14229.3	16221.8	14242.8	8977.7	8825.0	12146.9
57.5°	10034.6	10253.2	10187.3	7371.4	10203.8	15443.4	17817.7	15521.2	9254.7	8925.3	11992.7
60°	8176.8	8480.7	8631.9	6365.4	9856.5	15584.1	18151.5	15605.1	8682.8	7600.4	10272.6
62.5°	5435.7	5685.7	5916.3	4548.0	8533.1	14019.7	16054.2	14024.2	7251.6	5672.3	7116.9
65°	2666.2	2851.8	3100.4	2688.7	6666.3	11714.3	12516.7	11332.5	5245.6	3175.2	3630.3
67.5°	697.6	750.0	784.4	1043.4	4775.5	8416.3	8163.3	8289.1	3369.8	1037.4	949.1
70°	362.3	365.3	363.8	431.1	3227.6	5348.9	5625.8	5205.2	2351.8	434.1	374.3
72.5°	259.0	260.5	256.0	290.4	1558.4	3064.4	3175.2	3140.8	1232.1	257.5	256.0
75°	169.2	170.7	167.7	170.7	235.0	348.8	321.9	338.3	205.1	163.2	163.2
77.5°	100.3	101.8	100.3	103.3	100.3	100.3	92.8	92.8	88.3	88.3	89.8
80°	67.4	67.4	65.9	68.9	62.9	62.9	59.9	58.4	53.9	52.4	52.4
82.5°	40.4	41.9	40.4	40.4	37.4	37.4	34.4	32.9	28.4	28.4	26.9
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°	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3
2.5°	3588.4	3558.4	3513.5	3470.1	3429.7	3387.8	3339.9	3290.5	3248.6	3205.1	3182.7
5°	3805.5	3744.1	3627.3	3524.0	3431.2	3354.8	3272.5	3202.2	3136.3	3082.4	3055.4
7.5°	4001.6	3905.8	3729.1	3565.9	3440.2	3335.4	3221.6	3116.8	3028.5	2962.6	2937.2
10°	4182.7	4068.9	3836.9	3630.3	3483.6	3366.8	3227.6	3085.4	2968.6	2881.8	2860.8
12.5°	4329.4	4199.2	3922.2	3682.7	3509.0	3383.3	3260.5	3137.8	3022.5	2910.2	2892.3
15°	4459.7	4305.5	3986.6	3715.6	3500.1	3339.9	3236.6	3221.6	3221.6	3094.4	3058.4
17.5°	4571.9	4402.8	4039.0	3730.6	3443.2	3211.1	3148.3	3278.5	3425.2	3333.9	3253.0
20°	4700.7	4495.6	4082.4	3730.6	3338.4	3048.0	3042.0	3263.5	3480.6	3482.1	3396.8
22.5°	4830.9	4603.4	4133.3	3717.1	3194.7	2859.3	2970.1	3203.6	3396.8	3479.1	3420.7
25°	5042.0	4753.1	4214.1	3706.7	3027.0	2730.6	2905.7	3124.3	3287.5	3374.3	3336.9
27.5°	5310.0	4950.7	4336.9	3723.1	2860.8	2654.2	2836.9	3021.0	3169.2	3245.6	3218.6
30°	5609.4	5178.2	4468.6	3751.6	2741.1	2615.3	2754.5	2902.7	3034.5	3110.8	3098.9
32.5°	5991.1	5425.2	4582.4	3712.6	2673.7	2595.9	2667.7	2774.0	2901.2	2949.2	2959.6
35°	6447.7	5697.7	4669.2	3559.9	2612.3	2574.9	2573.4	2639.3	2729.1	2805.4	2812.9
37.5°	6868.4	6016.6	4765.1	3298.0	2501.5	2522.5	2462.6	2501.5	2589.9	2666.2	2696.2
40°	7284.6	6339.9	4898.3	2964.1	2356.3	2405.7	2335.4	2362.3	2432.7	2533.0	2580.9
42.5°	7688.8	6631.9	5039.0	2622.8	2211.1	2242.6	2190.2	2217.1	2290.5	2416.2	2470.1
45°	8128.9	7027.1	5148.3	2300.9	2085.4	2071.9	2030.0	2068.9	2179.7	2317.4	2381.8
47.5°	8961.2	7649.8	5220.1	2086.9	2018.0	1920.7	1872.8	1956.6	2082.4	2221.6	2299.4
50°	9977.7	8551.0	5199.2	1950.6	1959.6	1765.0	1748.5	1859.3	1994.0	2139.3	2224.6
52.5°	10783.1	9435.8	4961.2	1820.4	1845.8	1666.2	1618.3	1780.0	1908.7	2056.9	2145.2
55°	11398.4	9733.7	4230.6	1666.2	1660.2	1594.3	1494.0	1697.6	1823.4	1961.1	2056.9
57.5°	10896.9	9070.5	3136.3	1453.6	1417.7	1452.1	1354.8	1558.4	1718.6	1854.8	1940.2
60°	9043.6	7232.2	1747.0	1287.4	1185.6	1269.5	1254.5	1411.7	1604.8	1748.5	1821.9
62.5°	6139.3	4816.0	1035.9	1018.0	961.1	1080.9	1160.2	1263.5	1453.6	1570.4	1639.2
65°	3059.9	2339.9	688.6	762.0	769.5	889.2	1038.9	1152.7	1311.4	1431.2	1500.0
67.5°	887.7	727.6	524.0	582.3	663.2	759.0	878.8	1013.5	1167.7	1309.9	1390.7
70°	383.2	387.7	416.2	485.0	564.4	663.2	782.9	914.7	1044.9	1154.2	1215.6
72.5°	271.0	281.4	312.9	383.2	458.1	552.4	672.2	799.4	893.7	1004.5	1068.9
75°	173.7	181.1	206.6	260.5	315.9	407.2	521.0	637.7	735.0	814.4	875.8
77.5°	95.8	97.3	118.3	149.7	187.1	245.5	329.3	420.7	492.5	537.4	592.8
80°	55.4	55.4	65.9	85.3	107.8	143.7	190.1	235.0	278.4	306.9	333.8
82.5°	29.9	29.9	34.4	46.4	58.4	79.3	106.3	128.7	155.7	170.7	188.6
85°	9.0	9.0	12.0	16.5	21.0	29.9	41.9	53.9	65.9	76.3	86.8
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°	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3
2.5°	3178.2	3157.2	3145.3	3130.3	3134.8	3121.3	3113.8	3118.3	3091.4	3118.3	3145.3
5°	3045.0	3015.0	2991.1	2971.6	2962.6	2944.7	2934.2	2934.2	2917.7	2944.7	2977.6
7.5°	2928.2	2904.2	2892.3	2880.3	2866.8	2850.3	2832.4	2826.4	2815.9	2844.4	2872.8
10°	2850.3	2853.3	2860.8	2877.3	2874.3	2863.8	2836.9	2821.9	2821.9	2854.8	2898.3
12.5°	2886.3	2917.7	2935.7	2965.6	2971.6	2962.6	2935.7	2923.7	2953.6	3003.0	3074.9
15°	3025.5	3046.5	3061.4	3085.4	3083.9	3076.4	3055.4	3064.4	3163.2	3259.0	3323.4
17.5°	3176.7	3152.7	3149.8	3164.7	3169.2	3160.2	3148.3	3188.7	3351.9	3441.7	3474.6
20°	3286.0	3203.6	3185.7	3191.7	3203.6	3199.2	3199.2	3265.0	3434.2	3476.1	3434.2
22.5°	3318.9	3202.2	3175.2	3176.7	3193.2	3194.7	3202.2	3271.0	3369.8	3371.3	3306.9
25°	3266.5	3154.2	3134.8	3137.8	3157.2	3155.7	3158.7	3197.7	3241.1	3223.1	3175.2
27.5°	3167.7	3070.4	3064.4	3080.9	3106.3	3092.9	3083.9	3094.4	3115.3	3092.9	3051.0
30°	3055.4	2973.1	2976.1	3007.5	3034.5	3012.0	2989.6	2995.6	2997.1	2973.1	2925.2
32.5°	2937.2	2875.8	2886.3	2919.2	2950.6	2926.7	2902.7	2899.8	2871.3	2842.9	2796.5
35°	2818.9	2795.0	2808.4	2835.4	2862.3	2842.9	2827.9	2818.9	2757.5	2715.6	2676.7
37.5°	2711.1	2729.1	2753.0	2769.5	2778.5	2777.0	2768.0	2747.1	2666.2	2616.8	2565.9
40°	2615.3	2670.7	2696.2	2703.6	2717.1	2714.1	2712.6	2682.7	2576.4	2524.0	2465.6
42.5°	2528.5	2606.3	2649.7	2657.2	2664.7	2666.2	2661.7	2618.3	2497.0	2435.7	2380.3
45°	2444.7	2546.5	2601.8	2594.4	2604.8	2604.8	2609.3	2552.4	2419.2	2356.3	2297.9
47.5°	2371.3	2491.1	2542.0	2533.0	2539.0	2543.5	2547.9	2482.1	2333.9	2274.0	2214.1
50°	2303.9	2431.2	2474.6	2477.6	2477.6	2488.1	2486.6	2422.2	2262.0	2197.6	2137.8
52.5°	2232.1	2369.8	2416.2	2435.7	2441.7	2446.1	2425.2	2350.3	2188.7	2110.8	2055.4
55°	2148.2	2306.9	2348.8	2374.3	2386.3	2383.3	2354.8	2278.5	2113.8	2036.0	1973.1
57.5°	2021.0	2172.2	2232.1	2244.1	2263.5	2251.5	2218.6	2154.2	1994.0	1916.2	1851.8
60°	1881.8	1991.1	2039.0	2049.4	2034.5	2039.0	2034.5	1973.1	1833.9	1772.5	1706.6
62.5°	1699.1	1796.4	1847.3	1860.8	1835.4	1851.8	1845.8	1769.5	1630.3	1565.9	1507.5
65°	1561.4	1667.7	1727.6	1735.1	1727.6	1735.1	1714.1	1621.3	1489.5	1423.7	1363.8
67.5°	1453.6	1562.9	1625.8	1646.7	1639.2	1637.8	1604.8	1497.0	1360.8	1288.9	1212.6
70°	1268.0	1363.8	1444.6	1495.5	1495.5	1467.1	1404.2	1303.9	1194.6	1133.3	1073.4
72.5°	1122.8	1244.0	1323.4	1375.8	1386.3	1369.8	1281.5	1175.2	1049.4	988.0	925.2
75°	925.2	1043.4	1128.8	1197.6	1211.1	1193.1	1091.3	986.5	869.8	809.9	747.0
77.5°	618.3	688.6	757.5	820.4	806.9	818.9	750.0	670.7	598.8	553.9	525.5
80°	348.8	395.2	416.2	450.6	450.6	450.6	405.7	368.3	327.8	302.4	274.0
82.5°	197.6	227.5	236.5	265.0	272.5	274.0	244.0	220.1	194.6	181.1	161.7
85°	91.3	107.8	109.3	125.8	131.7	143.7	130.2	113.8	98.8	92.8	80.8
87.5°	3.0	9.0	12.0	22.5	29.9	34.4	37.4	37.4	31.4	28.4	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°	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3	3356.3
2.5°	3178.2	3214.1	3256.0	3286.0	3339.9	3384.8	3431.2	3482.1	3519.5	3510.5
5°	3018.0	3077.9	3154.2	3224.6	3324.9	3426.7	3539.0	3654.3	3721.6	3718.6
7.5°	2928.2	3013.5	3106.3	3200.7	3318.9	3465.6	3637.8	3817.4	3908.7	3913.2
10°	2976.1	3067.4	3130.3	3209.6	3333.9	3518.0	3724.6	3940.2	4045.0	4065.9
12.5°	3127.3	3119.8	3115.3	3172.2	3321.9	3555.5	3808.4	4065.9	4184.2	4209.7
15°	3271.0	3116.8	3024.0	3062.9	3268.0	3579.4	3890.8	4203.7	4336.9	4363.8
17.5°	3298.0	3064.4	2892.3	2919.2	3182.7	3586.9	3970.1	4338.4	4482.1	4507.6
20°	3223.1	2997.1	2796.5	2759.0	3074.9	3567.4	4019.5	4450.7	4607.9	4634.8
22.5°	3128.8	2937.2	2724.6	2627.3	2943.2	3548.0	4074.9	4568.9	4750.1	4774.0
25°	3030.0	2860.8	2657.2	2509.0	2793.5	3536.0	4167.7	4724.6	4943.2	4971.6
27.5°	2925.2	2768.0	2598.8	2452.1	2655.7	3551.0	4299.5	4976.1	5224.6	5265.1
30°	2812.9	2675.2	2561.4	2432.7	2561.4	3564.4	4444.7	5233.6	5525.5	5582.4
32.5°	2696.2	2589.9	2522.5	2441.7	2503.0	3533.0	4571.9	5522.6	5884.8	5934.2
35°	2579.4	2503.0	2473.1	2458.1	2425.2	3417.7	4675.2	5814.5	6295.0	6338.4
37.5°	2470.1	2413.2	2404.2	2420.7	2305.4	3229.1	4795.0	6185.7	6697.7	6763.6
40°	2368.3	2315.9	2314.4	2311.4	2173.7	2971.6	4956.7	6563.0	7094.4	7124.4
42.5°	2274.0	2208.1	2220.1	2184.2	2065.9	2693.2	5109.4	6884.8	7464.2	7485.2
45°	2190.2	2103.3	2116.8	2071.9	2015.0	2401.2	5244.1	7265.1	7932.8	7946.2
47.5°	2109.3	2016.5	1979.1	1976.1	2006.0	2131.8	5375.8	7997.1	8666.3	8690.3
50°	2034.5	1934.2	1827.9	1893.7	1950.6	1929.7	5540.5	8781.6	9423.8	9417.8
52.5°	1962.6	1830.9	1679.7	1806.9	1806.9	1780.0	5494.1	9257.6	10049.6	10152.9
55°	1880.3	1664.7	1525.5	1661.7	1595.8	1645.2	4672.2	9413.3	10443.3	10590.0
57.5°	1717.1	1459.6	1338.3	1411.7	1312.9	1525.5	3356.3	8640.9	9774.1	10034.6
60°	1559.9	1308.4	1229.1	1215.6	1086.8	1244.0	2175.2	6765.1	8045.0	8176.8
62.5°	1375.8	1178.2	1110.8	1007.5	874.3	905.7	1317.4	4452.2	5405.8	5435.7
65°	1236.5	1067.4	938.6	815.9	715.6	657.2	778.5	2146.7	2702.1	2666.2
67.5°	1061.4	914.7	791.9	703.6	621.3	547.9	518.0	637.7	721.6	697.6
70°	944.6	803.9	685.6	601.8	525.5	452.1	399.7	375.8	368.3	362.3
72.5°	814.4	691.6	568.9	488.0	416.2	348.8	300.9	272.5	265.0	259.0
75°	649.7	534.4	422.2	345.8	282.9	235.0	203.6	179.6	175.2	169.2
77.5°	429.6	342.8	251.5	205.1	167.7	142.2	121.3	106.3	103.3	100.3
80°	236.5	197.6	154.2	124.3	100.3	86.8	79.3	70.4	68.9	67.4
82.5°	140.7	118.3	88.3	70.4	58.4	52.4	47.9	43.4	41.9	40.4
85°	70.4	55.4	38.9	32.9	29.9	26.9	26.9	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

(END OF REPORT)