

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: P642171

Luminaire Tested: GWS-SA6C-735-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-735-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26516.9 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

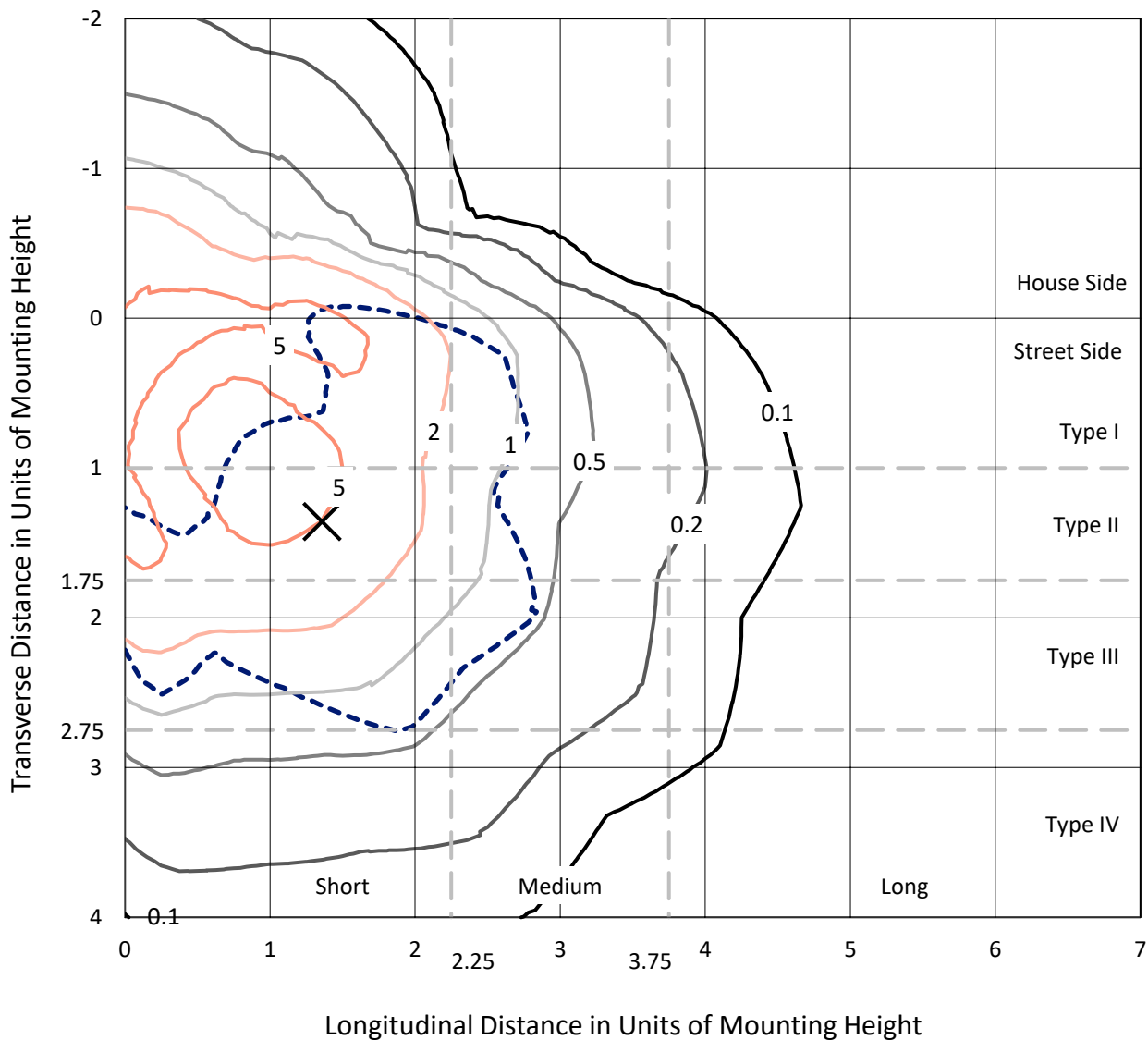
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

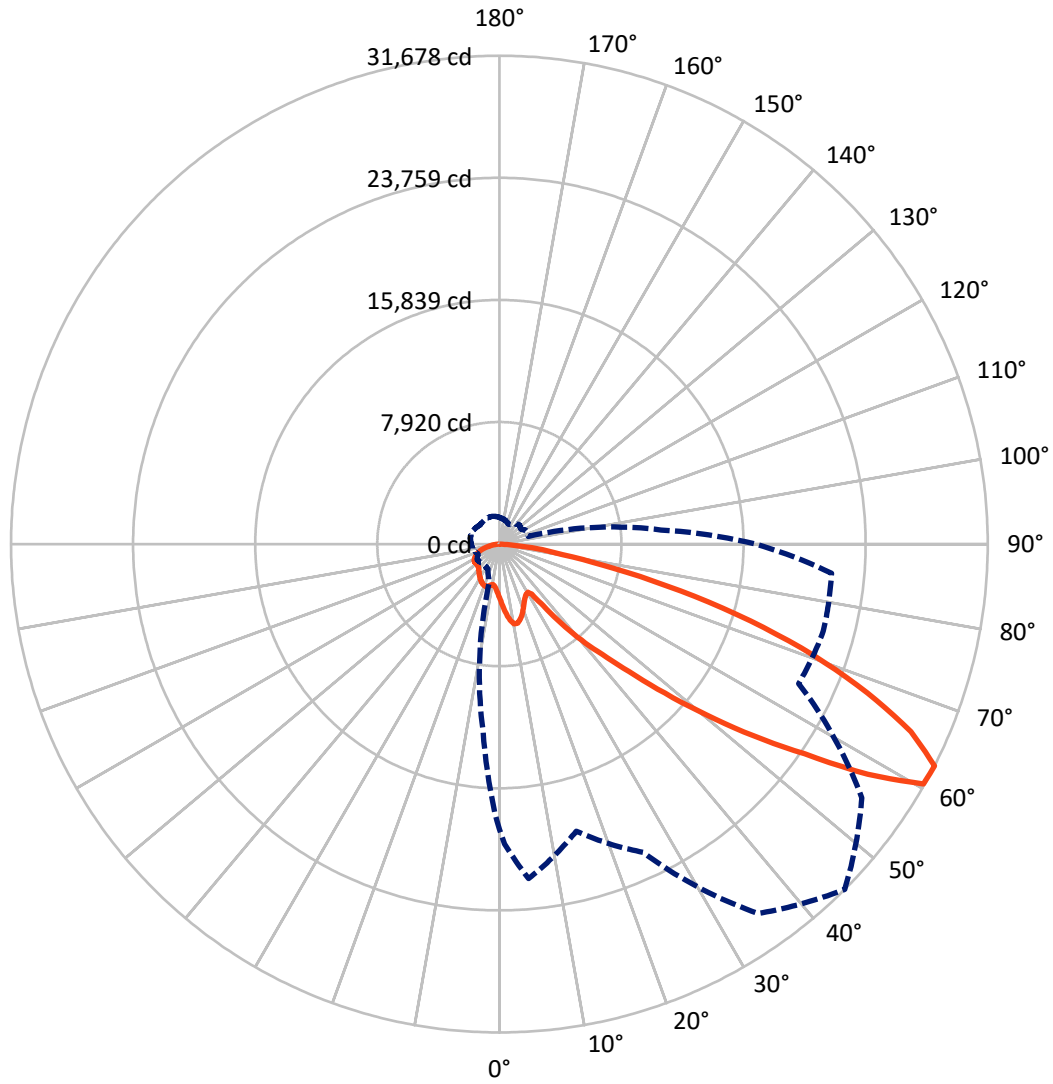
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6327.4	0.0	6327.4
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	20189.5	0.0	20189.5
	% Fixture	76.1	0.0	76.1
Total	Lumens	26516.9	0.0	26516.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.7	1.3
10°-20°	1077.5	4.1
20°-30°	1673.6	6.3
30°-40°	2272.2	8.6
40°-50°	3601.3	13.6
50°-60°	6352.7	24.0
60°-70°	7068.3	26.7
70°-80°	3584.8	13.5
80°-90°	542.8	2.0
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°	26516.9	100.0
0°-180°	26516.9	100.0

Coefficient of Utilization



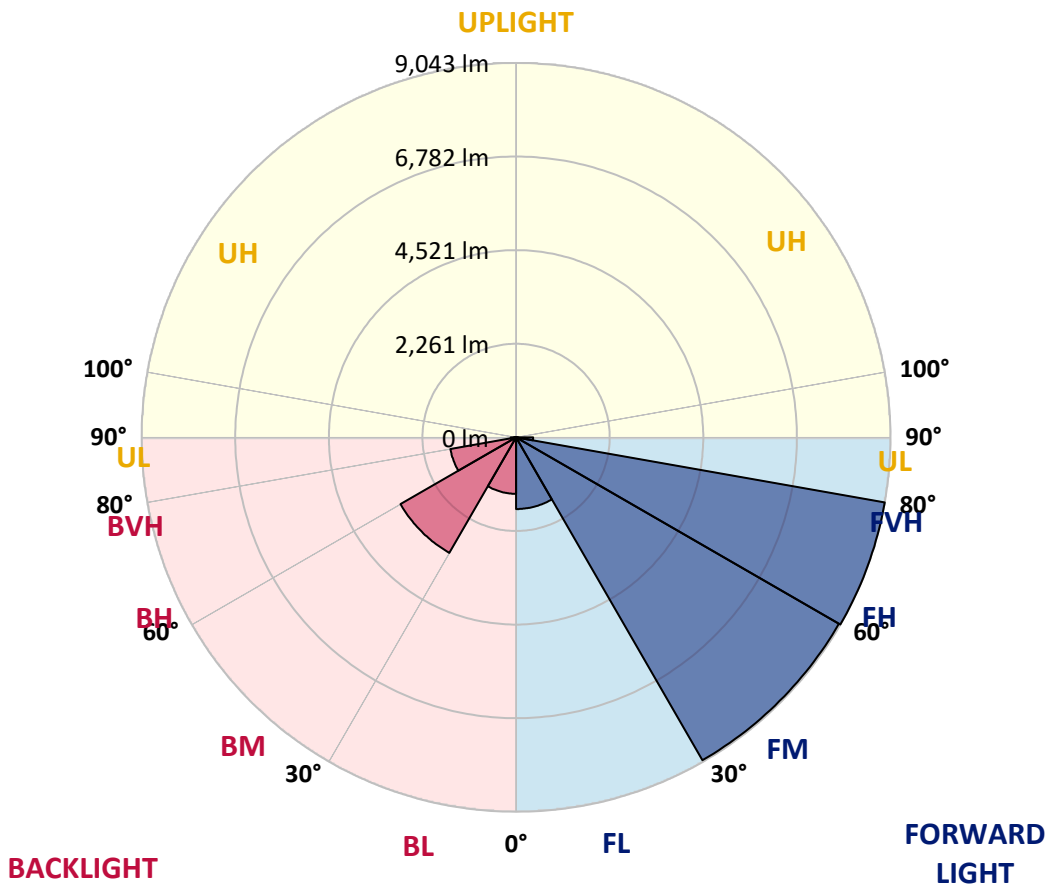
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1731.3	6.5			
FM (30°-60°)	9003.6	34.0			
FH (60°-80°)	9042.5	34.1			G4/12000
FVH (80°-90°)	412.0	1.6			G3/500
BL (0°-30°)	1363.4	5.1	B3/2500		
BM (30°-60°)	3222.6	12.2	B3/5000		
BH (60°-80°)	1610.6	6.1	B3/2500		G3/2500
BVH (80°-90°)	130.8	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3
2.5°	3782.3	3780.3	3818.5	3876.7	3930.9	3955.0	3995.1	3991.1	3959.0	3916.8	3902.8
5°	4079.5	4087.5	4153.7	4282.2	4424.8	4485.0	4511.1	4501.1	4442.8	4368.6	4238.1
7.5°	4348.5	4362.5	4464.9	4657.6	4834.3	4914.6	4978.9	4966.8	4882.5	4744.0	4551.2
10°	4545.2	4561.3	4683.7	4910.6	5107.4	5177.6	5259.9	5263.9	5189.7	5003.0	4806.2
12.5°	4742.0	4758.0	4872.5	5079.2	5207.7	5209.7	5257.9	5284.0	5288.0	5201.7	5005.0
15°	4946.7	4960.8	5065.2	5181.6	5175.6	5063.2	5063.2	5113.4	5223.8	5286.0	5149.5
17.5°	5121.4	5139.5	5219.8	5181.6	5003.0	4800.2	4776.1	4840.3	5033.1	5272.0	5257.9
20°	5266.0	5280.0	5324.2	5071.2	4746.0	4481.0	4434.8	4509.1	4770.1	5185.6	5340.2
22.5°	5404.5	5412.5	5388.4	4926.7	4468.9	4165.8	4109.6	4187.9	4468.9	5033.1	5410.5
25°	5569.1	5561.1	5446.6	4776.1	4216.0	3916.8	3858.6	3947.0	4240.1	4830.3	5486.8
27.5°	5759.8	5729.7	5496.8	4613.5	4021.2	3732.1	3692.0	3786.3	4059.4	4643.6	5547.0
30°	5922.4	5864.2	5504.9	4468.9	3920.9	3653.8	3629.8	3718.1	3971.0	4517.1	5623.3
32.5°	6103.1	6022.8	5551.0	4430.8	3977.1	3842.6	3874.7	3880.7	3995.1	4481.0	5737.7
35°	6362.1	6257.7	5677.5	4541.2	4555.3	4782.1	4898.6	4742.0	4358.5	4561.3	5954.6
37.5°	6753.6	6621.1	5934.5	5019.0	5749.8	6257.7	6538.8	6181.4	5462.7	4864.4	6281.8
40°	7229.4	7060.8	6263.7	5902.4	6866.0	7679.1	8179.0	7655.0	6599.0	5621.3	6741.5
42.5°	7893.9	7717.2	6902.2	6769.6	7899.9	9110.5	9763.0	8982.0	7600.8	6599.0	7478.3
45°	9052.3	8881.7	8072.6	7638.9	9110.5	10873.2	11788.7	10702.6	8618.7	7580.7	8855.6
47.5°	11192.4	10991.6	9811.2	8602.6	10491.8	13161.9	14442.7	12860.7	9676.7	8705.0	11168.3
50°	13762.1	13569.4	11993.4	9742.9	12017.5	15609.1	17389.9	15396.3	10895.3	10072.2	13932.8
52.5°	16853.9	16817.7	15107.2	11184.4	13605.5	18219.0	20660.3	18205.0	12230.3	11913.1	17064.7
55°	19640.4	19993.8	19062.2	13382.7	15657.3	21497.5	24023.0	21268.6	14041.2	14956.7	20732.6
57.5°	21142.1	22091.7	23523.1	17867.7	18640.6	25416.3	28172.7	25008.8	17153.0	20023.9	24133.4
60°	20150.3	21226.4	23820.3	21244.5	21599.8	28556.2	31597.7	28152.7	20208.6	23541.2	23940.7
62.5°	18500.1	19465.8	21772.5	19273.0	22057.6	29246.8	31678.0	28700.7	21423.2	21756.4	21625.9
65°	16542.7	17516.4	19959.6	16823.7	20602.1	27606.6	29341.2	27088.6	19240.9	19656.5	19704.7
67.5°	13942.8	14842.2	17329.7	14958.7	18779.2	25199.5	25753.6	24791.9	17719.1	18381.6	17689.0
70°	10417.5	11228.5	13424.9	12156.1	15830.0	22063.6	21615.9	21758.4	16010.7	16669.2	14776.0
72.5°	7119.0	7729.3	9612.4	9552.2	12121.9	17662.9	17038.6	18389.7	13372.7	14246.0	11264.7
75°	4978.9	5454.7	6948.3	7546.6	9162.7	13091.6	12134.0	13764.1	10443.6	11690.3	8219.1
77.5°	3055.6	3370.8	4388.6	5591.2	5894.3	8959.9	7536.6	10357.2	7333.8	8526.3	5482.8
80°	1527.8	1680.4	2132.1	3515.3	3908.8	5280.0	4161.8	6012.8	4962.8	5280.0	3033.5
82.5°	461.7	509.9	624.4	1335.1	2025.7	3039.5	2459.3	3493.2	2710.3	2475.4	1194.5
85°	122.5	138.5	172.7	395.5	710.7	1090.1	831.1	1692.4	1298.9	913.5	449.7
87.5°	10.0	10.0	8.0	8.0	4.0	0.0	0.0	120.5	242.9	138.5	78.3
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°	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3
2.5°	3832.5	3824.5	3742.2	3682.0	3611.7	3543.4	3473.2	3410.9	3340.7	3270.4	3250.3
5°	4141.7	4085.5	3910.8	3764.3	3619.7	3493.2	3382.8	3268.4	3176.0	3085.7	3051.6
7.5°	4414.7	4316.4	4063.4	3840.6	3639.8	3483.2	3320.6	3153.9	3023.5	2895.0	2862.8
10°	4661.7	4531.2	4212.0	3930.9	3708.0	3529.4	3338.6	3115.8	2927.1	2770.5	2728.3
12.5°	4844.4	4701.8	4340.4	4017.2	3764.3	3563.5	3374.8	3178.0	2979.3	2776.5	2730.3
15°	4988.9	4840.3	4446.8	4083.5	3766.3	3507.3	3324.6	3256.3	3194.1	2995.3	2911.0
17.5°	5105.3	4948.7	4539.2	4123.6	3712.1	3336.6	3178.0	3278.4	3437.0	3312.6	3153.9
20°	5211.7	5053.1	4609.5	4151.7	3591.6	3101.8	3013.4	3226.2	3465.1	3461.1	3318.6
22.5°	5328.2	5173.6	4711.9	4167.8	3423.0	2862.8	2915.0	3149.9	3344.7	3402.9	3314.6
25°	5476.8	5340.2	4854.4	4203.9	3232.2	2698.2	2842.8	3051.6	3214.2	3228.2	3176.0
27.5°	5649.4	5547.0	5067.2	4288.2	3047.5	2613.9	2758.5	2913.0	3061.6	3067.6	3005.4
30°	5838.1	5769.9	5263.9	4358.5	2909.0	2587.8	2650.0	2774.5	2868.9	2884.9	2830.7
32.5°	6079.0	6018.8	5438.6	4312.3	2826.7	2581.8	2549.7	2613.9	2692.2	2692.2	2650.0
35°	6410.3	6326.0	5623.3	4135.7	2726.3	2557.7	2443.3	2461.3	2495.5	2501.5	2477.4
37.5°	6880.1	6741.5	5810.0	3786.3	2561.7	2471.4	2320.8	2298.7	2310.8	2326.8	2320.8
40°	7462.3	7235.4	6083.0	3366.8	2365.0	2304.7	2194.3	2152.2	2142.1	2174.2	2186.3
42.5°	8195.0	7847.7	6376.2	2975.3	2186.3	2114.0	2045.8	2009.6	1993.6	2047.8	2079.9
45°	9365.5	8793.3	6657.2	2587.8	2085.9	1951.4	1905.2	1879.1	1887.2	1951.4	1991.5
47.5°	11387.1	10236.8	6924.2	2342.9	2077.9	1835.0	1778.7	1784.8	1806.8	1875.1	1923.3
50°	13944.8	12170.1	7102.9	2240.5	2102.0	1764.7	1690.4	1722.5	1756.7	1822.9	1879.1
52.5°	16548.7	13970.9	6890.1	2184.3	2100.0	1766.7	1608.1	1704.5	1720.5	1786.8	1847.0
55°	18339.5	14171.7	5952.6	2097.9	2067.8	1847.0	1543.8	1696.4	1706.5	1766.7	1820.9
57.5°	19022.1	13485.1	4539.2	2122.0	1971.5	1909.2	1515.7	1640.2	1712.5	1764.7	1820.9
60°	18196.9	12190.2	2758.5	2184.3	1816.9	1905.2	1533.8	1537.8	1662.3	1750.6	1806.8
62.5°	16641.0	10527.9	1937.3	2007.6	1704.5	1798.8	1576.0	1417.4	1574.0	1680.4	1730.6
65°	14858.3	8572.5	1477.6	1728.5	1650.3	1634.2	1590.0	1311.0	1453.5	1557.9	1602.1
67.5°	13001.3	6663.2	1200.5	1288.9	1491.7	1477.6	1453.5	1216.6	1311.0	1385.2	1435.4
70°	10662.4	4661.7	1013.8	967.7	1278.8	1325.0	1270.8	1098.2	1128.3	1204.6	1244.7
72.5°	7799.6	2905.0	833.2	799.0	1027.9	1158.4	1130.3	967.7	981.7	1054.0	1086.1
75°	5609.3	1662.3	668.5	658.5	785.0	991.8	935.5	833.2	849.2	903.4	925.5
77.5°	3565.5	925.5	516.0	530.0	562.1	740.8	799.0	712.7	712.7	744.8	762.9
80°	1909.2	530.0	377.4	383.5	393.5	566.1	630.4	552.1	552.1	530.0	552.1
82.5°	779.0	305.2	259.0	240.9	263.0	387.5	441.7	351.3	367.4	331.3	339.3
85°	257.0	152.6	128.5	126.5	124.5	170.6	212.8	174.7	208.8	132.5	138.5
87.5°	34.1	28.1	16.1	12.0	14.1	6.0	12.0	14.1	14.1	10.0	10.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3
2.5°	3236.3	3220.2	3162.0	3176.0	3166.0	3149.9	3166.0	3135.9	3160.0	3168.0	3218.2
5°	3025.5	2987.3	2931.1	2903.0	2897.0	2880.9	2882.9	2868.9	2872.9	2907.0	2963.2
7.5°	2836.7	2800.6	2756.4	2736.4	2718.3	2700.2	2698.2	2696.2	2712.3	2742.4	2796.6
10°	2700.2	2680.2	2662.1	2670.1	2662.1	2654.1	2640.0	2640.0	2666.1	2720.3	2786.6
12.5°	2700.2	2696.2	2700.2	2724.3	2722.3	2724.3	2706.3	2716.3	2788.6	2880.9	2975.3
15°	2844.8	2812.7	2812.7	2824.7	2820.7	2820.7	2820.7	2862.8	3027.5	3170.0	3270.4
17.5°	3021.4	2927.1	2886.9	2880.9	2878.9	2878.9	2886.9	2977.3	3234.3	3384.8	3443.0
20°	3143.9	2965.2	2899.0	2872.9	2874.9	2878.9	2903.0	3027.5	3310.5	3386.8	3372.8
22.5°	3166.0	2935.1	2854.8	2816.7	2822.7	2826.7	2862.8	2995.3	3206.1	3218.2	3190.1
25°	3063.6	2850.8	2764.5	2734.4	2742.4	2740.4	2772.5	2868.9	3019.4	3015.4	2999.4
27.5°	2911.0	2716.3	2652.0	2632.0	2646.0	2630.0	2640.0	2714.3	2830.7	2826.7	2820.7
30°	2754.4	2585.8	2527.6	2517.5	2535.6	2511.5	2513.5	2575.8	2656.1	2652.0	2650.0
32.5°	2597.8	2455.3	2403.1	2403.1	2421.2	2395.1	2399.1	2453.3	2507.5	2491.4	2491.4
35°	2449.3	2348.9	2306.7	2298.7	2312.8	2294.7	2302.7	2352.9	2373.0	2350.9	2336.9
37.5°	2318.8	2274.6	2232.5	2204.4	2206.4	2208.4	2232.5	2270.6	2258.6	2226.4	2208.4
40°	2198.3	2198.3	2158.2	2106.0	2100.0	2114.0	2154.2	2196.3	2162.2	2126.1	2104.0
42.5°	2112.0	2130.1	2091.9	2039.7	2027.7	2051.8	2095.9	2126.1	2085.9	2045.8	2015.6
45°	2031.7	2075.9	2049.8	1991.5	1975.5	2003.6	2059.8	2071.8	2017.6	1979.5	1957.4
47.5°	1975.5	2035.7	2017.6	1961.4	1937.3	1977.5	2035.7	2033.7	1965.4	1925.3	1907.2
50°	1935.3	2011.6	2009.6	1961.4	1935.3	1985.5	2037.7	2011.6	1937.3	1895.2	1877.1
52.5°	1903.2	2009.6	2023.7	1995.6	1977.5	2021.7	2053.8	2003.6	1917.3	1873.1	1859.0
55°	1889.2	2017.6	2027.7	2001.6	1985.5	2025.7	2053.8	2019.7	1917.3	1877.1	1865.1
57.5°	1893.2	2007.6	2009.6	1973.5	1945.4	1995.6	2039.7	2029.7	1939.3	1893.2	1879.1
60°	1869.1	1953.4	1957.4	1901.2	1869.1	1929.3	2007.6	2001.6	1929.3	1881.1	1855.0
62.5°	1788.8	1863.1	1865.1	1812.9	1766.7	1853.0	1939.3	1937.3	1871.1	1822.9	1792.8
65°	1654.3	1732.6	1752.6	1702.5	1666.3	1758.7	1849.0	1845.0	1778.7	1734.6	1704.5
67.5°	1487.6	1572.0	1610.1	1576.0	1561.9	1646.2	1730.6	1728.5	1674.3	1632.2	1606.1
70°	1284.9	1355.1	1419.4	1419.4	1409.3	1505.7	1596.0	1588.0	1537.8	1505.7	1485.6
72.5°	1116.2	1170.4	1190.5	1210.6	1240.7	1341.1	1417.4	1423.4	1387.3	1371.2	1387.3
75°	949.6	983.7	1001.8	985.7	1037.9	1142.3	1242.7	1252.7	1214.6	1188.5	1194.5
77.5°	781.0	819.1	837.2	801.0	797.0	929.5	1052.0	1074.1	1041.9	1001.8	1013.8
80°	564.1	614.3	644.4	620.4	612.3	670.5	839.2	863.3	833.2	801.0	819.1
82.5°	345.3	373.4	381.4	405.5	455.7	479.8	540.0	620.4	598.3	570.2	620.4
85°	136.5	162.6	180.7	204.8	238.9	283.1	333.3	397.5	361.4	349.3	411.6
87.5°	8.0	2.0	0.0	4.0	34.1	66.3	142.5	196.7	164.6	176.7	212.8
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°	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3	3519.3
2.5°	3258.3	3310.5	3380.8	3439.0	3513.3	3583.6	3655.9	3728.1	3766.3	3782.3
5°	3027.5	3123.8	3236.3	3360.7	3505.3	3657.9	3812.4	3971.0	4071.4	4079.5
7.5°	2888.9	3027.5	3182.1	3338.6	3517.3	3728.1	3973.1	4218.0	4320.4	4348.5
10°	2933.1	3087.7	3210.2	3356.7	3553.5	3816.5	4105.6	4392.6	4511.1	4545.2
12.5°	3109.8	3139.9	3178.0	3312.6	3553.5	3892.7	4242.1	4583.4	4709.8	4742.0
15°	3256.3	3111.8	3043.5	3186.1	3505.3	3959.0	4386.6	4764.1	4916.6	4946.7
17.5°	3268.4	3019.4	2870.9	2999.4	3421.0	4005.2	4525.1	4964.8	5093.3	5121.4
20°	3145.9	2921.1	2728.3	2806.6	3306.5	4025.3	4625.5	5111.4	5237.8	5266.0
22.5°	3007.4	2840.8	2632.0	2628.0	3168.0	4047.3	4746.0	5249.9	5386.4	5404.5
25°	2876.9	2730.3	2553.7	2497.5	3007.4	4089.5	4908.6	5458.7	5563.1	5569.1
27.5°	2724.3	2611.9	2491.4	2437.2	2866.9	4169.8	5149.5	5707.6	5769.9	5759.8
30°	2585.8	2501.5	2447.3	2431.2	2778.5	4230.0	5378.4	5952.6	5956.6	5922.4
32.5°	2439.2	2407.1	2407.1	2459.3	2706.3	4216.0	5565.1	6191.5	6153.3	6103.1
35°	2308.7	2314.8	2356.9	2479.4	2585.8	4075.4	5743.8	6490.6	6434.4	6362.1
37.5°	2184.3	2230.5	2290.7	2409.1	2427.2	3866.7	5952.6	6914.2	6843.9	6753.6
40°	2077.9	2148.1	2218.4	2276.6	2258.6	3569.5	6243.7	7412.1	7333.8	7229.4
42.5°	1993.6	2061.8	2140.1	2146.1	2152.2	3260.4	6552.8	8022.4	8008.3	7893.9
45°	1939.3	1983.5	2057.8	2047.8	2146.1	2919.1	6837.9	8953.9	9138.6	9052.3
47.5°	1903.2	1937.3	1945.4	1987.5	2198.3	2613.9	7205.3	10776.8	11290.8	11192.4
50°	1883.1	1917.3	1826.9	1991.5	2206.4	2417.2	7713.2	13065.5	13892.6	13762.1
52.5°	1881.1	1873.1	1736.6	2033.7	2162.2	2296.7	7978.2	14735.8	16570.8	16853.9
55°	1885.1	1784.8	1690.4	2045.8	2073.9	2252.5	7090.9	15538.9	19042.1	19640.4
57.5°	1849.0	1688.4	1716.5	1997.6	1907.2	2371.0	5241.9	15251.8	20029.9	21142.1
60°	1780.7	1596.0	1764.7	1867.1	1736.6	2168.2	3609.7	13970.9	19006.0	20150.3
62.5°	1682.4	1531.8	1758.7	1698.4	1674.3	1774.7	2481.4	12178.1	17381.9	18500.1
65°	1572.0	1479.6	1664.3	1535.8	1549.9	1365.2	1754.6	10154.5	15442.5	16542.7
67.5°	1453.5	1447.5	1525.8	1367.2	1309.0	1082.1	1278.8	8138.8	12951.1	13942.8
70°	1319.0	1363.2	1387.3	1214.6	1062.0	849.2	949.6	5691.6	9554.2	10417.5
72.5°	1184.5	1188.5	1222.6	1056.0	795.0	680.6	712.7	3447.1	6490.6	7119.0
75°	1048.0	1009.8	1041.9	859.3	592.2	558.1	550.1	2130.1	4483.0	4978.9
77.5°	901.4	859.3	817.1	646.4	475.8	431.6	421.6	1194.5	2750.4	3055.6
80°	732.8	676.6	610.3	473.8	347.3	309.2	307.2	582.2	1371.2	1527.8
82.5°	570.2	463.8	445.7	295.1	214.8	188.7	200.8	222.8	413.6	461.7
85°	399.5	337.3	236.9	118.4	96.4	78.3	76.3	66.3	110.4	122.5
87.5°	222.8	146.6	76.3	14.1	16.1	18.1	14.1	10.0	10.0	10.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)