

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: P638706

Luminaire Tested: GWS-SA4F-735-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638706
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-SA4F-735-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31774.4 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

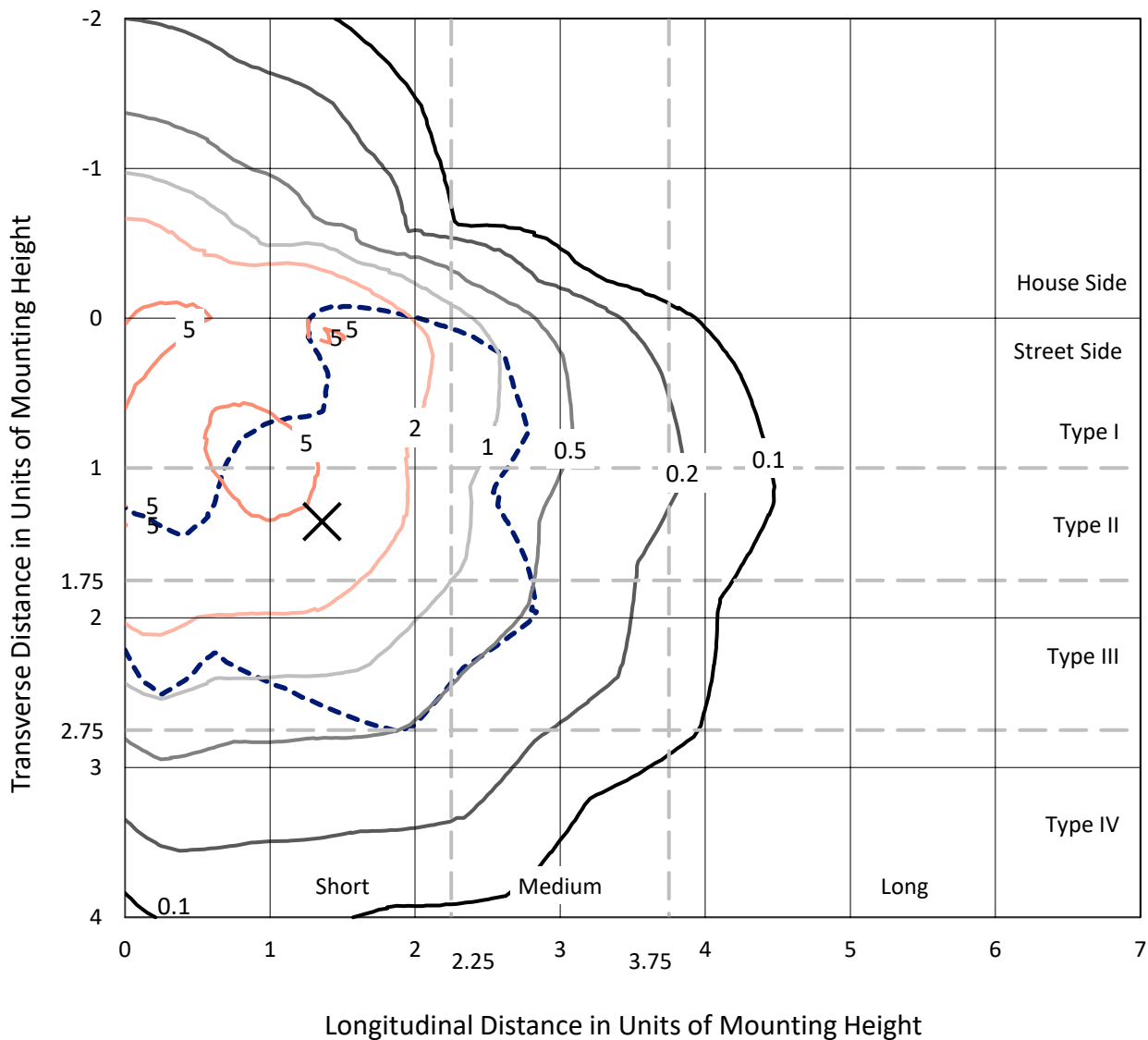
Input Watts (W): 225.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

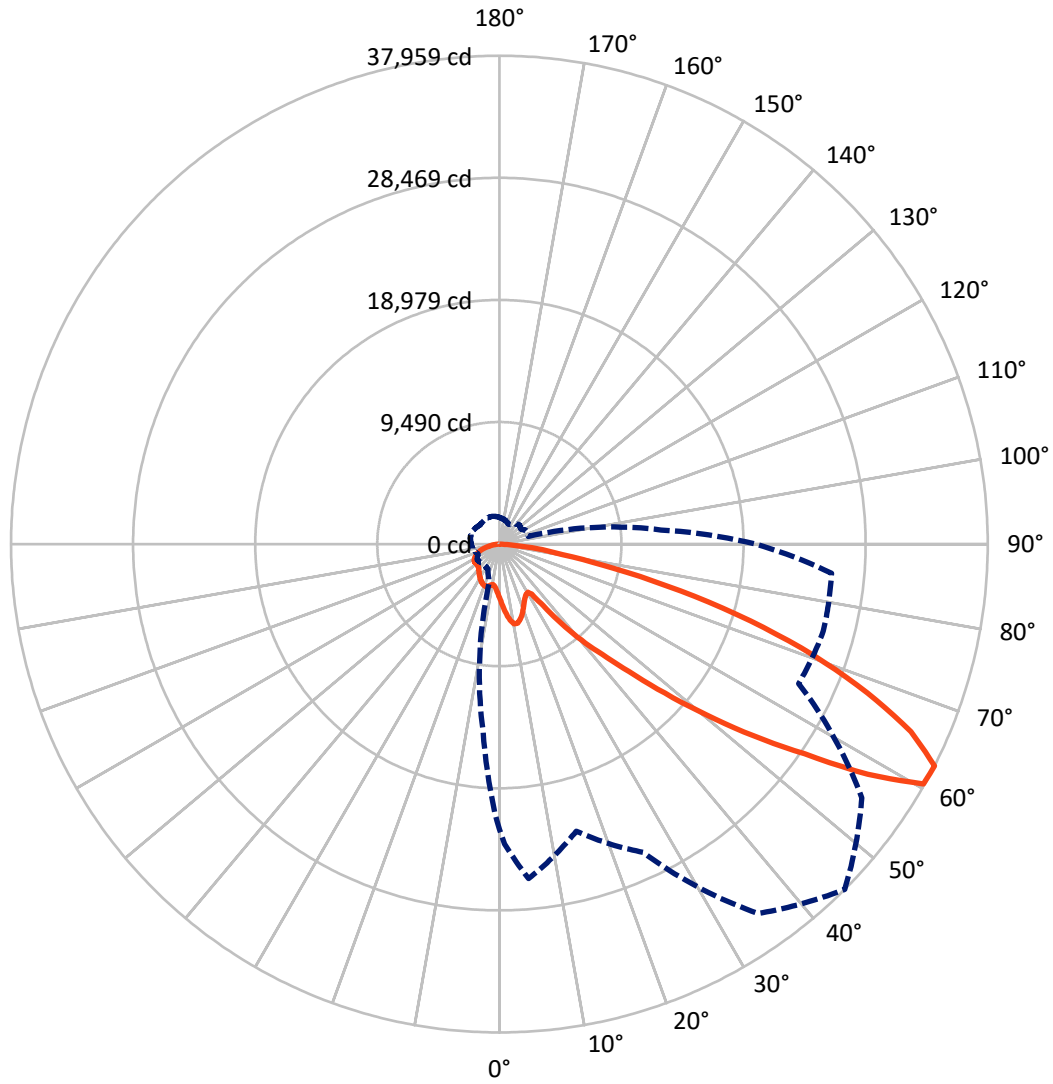
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.7 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	7582.0	0.0	7582.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	24192.4	0.0	24192.4
	% Fixture	76.1	0.0	76.1
Total	Lumens	31774.4	0.0	31774.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.9	1.3
10°-20°	1291.1	4.1
20°-30°	2005.4	6.3
30°-40°	2722.8	8.6
40°-50°	4315.3	13.6
50°-60°	7612.2	24.0
60°-70°	8469.8	26.7
70°-80°	4295.5	13.5
80°-90°	650.4	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°	31774.4	100.0
0°-180°	31774.4	100.0

Coefficient of Utilization



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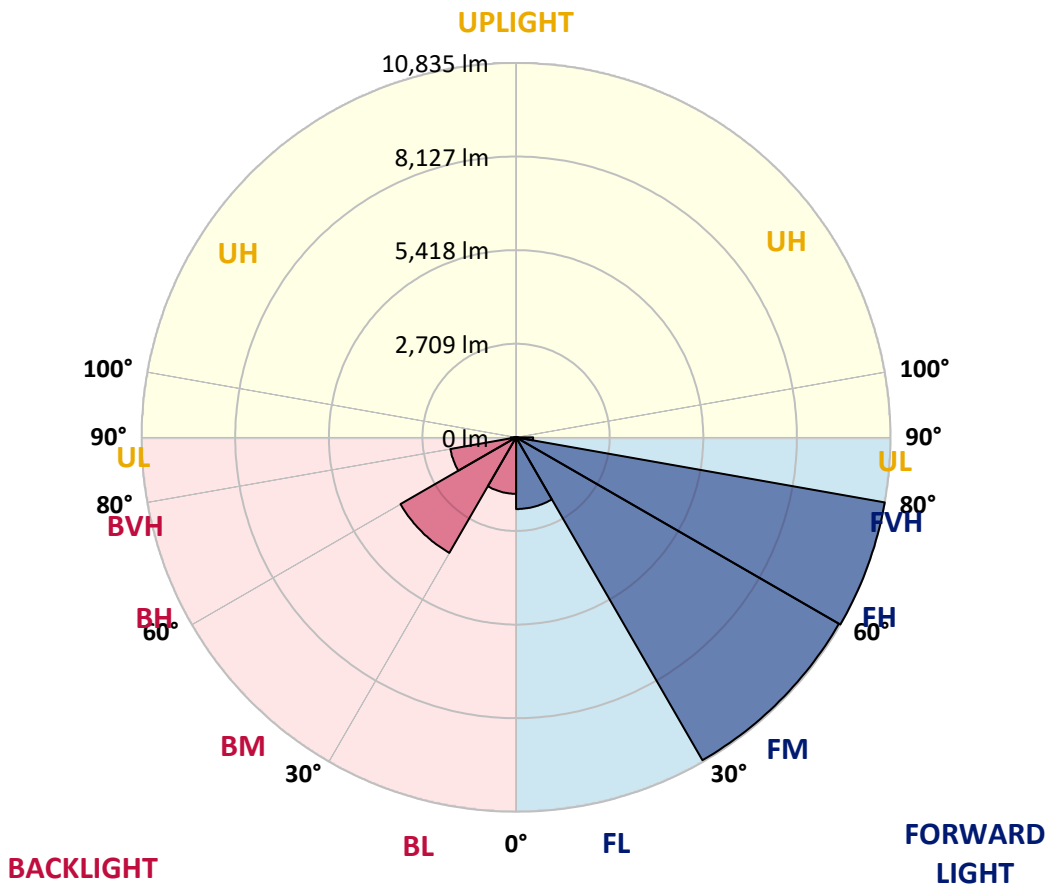
CATALOG NUMBER: GWS-SA4F-735-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2074.6	6.5			
FM (30°-60°)	10788.8	34.0			
FH (60°-80°)	10835.4	34.1			G4/12000
FVH (80°-90°)	493.7	1.6			G3/500
BL (0°-30°)	1633.7	5.1	B3/2500		
BM (30°-60°)	3861.5	12.2	B3/5000		
BH (60°-80°)	1930.0	6.1	B3/2500		G3/2500
BVH (80°-90°)	156.7	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°	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1
2.5°	4532.3	4529.8	4575.6	4645.3	4710.3	4739.1	4787.3	4782.4	4744.0	4693.4	4676.6
5°	4888.3	4897.9	4977.3	5131.3	5302.1	5374.2	5405.5	5393.5	5323.7	5234.7	5078.3
7.5°	5210.6	5227.5	5350.2	5581.1	5792.8	5889.0	5966.0	5951.6	5850.6	5684.6	5453.6
10°	5446.4	5465.6	5612.4	5884.2	6120.0	6204.2	6302.8	6307.6	6218.6	5994.9	5759.1
12.5°	5682.2	5701.4	5838.5	6086.3	6240.3	6242.7	6300.4	6331.7	6336.5	6233.0	5997.3
15°	5927.5	5944.4	6069.5	6209.0	6201.8	6067.1	6067.1	6127.2	6259.5	6334.1	6170.5
17.5°	6136.8	6158.5	6254.7	6209.0	5994.9	5751.9	5723.1	5800.0	6031.0	6317.2	6300.4
20°	6310.0	6326.9	6379.8	6076.7	5687.0	5369.4	5314.1	5403.1	5715.8	6213.8	6399.0
22.5°	6476.0	6485.6	6456.8	5903.5	5355.0	4991.7	4924.4	5018.2	5355.0	6031.0	6483.2
25°	6673.3	6663.7	6526.5	5723.1	5051.9	4693.4	4623.7	4729.5	5080.7	5788.0	6574.7
27.5°	6901.8	6865.7	6586.7	5528.2	4818.5	4472.1	4424.0	4537.1	4864.2	5564.3	6646.8
30°	7096.7	7026.9	6596.3	5355.0	4698.2	4378.3	4349.4	4455.3	4758.4	5412.7	6738.2
32.5°	7313.2	7217.0	6651.6	5309.3	4765.6	4604.4	4642.9	4650.1	4787.3	5369.4	6875.4
35°	7623.5	7498.4	6803.2	5441.6	5458.4	5730.3	5869.8	5682.2	5222.7	5465.6	7135.2
37.5°	8092.6	7933.8	7111.1	6014.1	6889.8	7498.4	7835.2	7407.0	6545.8	5828.9	7527.3
40°	8662.8	8460.7	7505.6	7072.6	8227.3	9201.6	9800.6	9172.8	7907.4	6735.8	8078.2
42.5°	9459.0	9247.3	8270.6	8111.9	9466.2	10916.9	11698.7	10762.9	9107.8	7907.4	8961.1
45°	10847.1	10642.6	9673.1	9153.5	10916.9	13029.0	14126.0	12824.5	10327.5	9083.8	10611.3
47.5°	13411.5	13171.0	11756.4	10308.2	12571.9	15771.5	17306.3	15410.6	11595.3	10430.9	13382.7
50°	16490.8	16259.8	14371.4	11674.6	14400.2	18704.0	20837.8	18449.0	13055.5	12069.2	16695.2
52.5°	20195.5	20152.2	18102.5	13401.9	16303.1	21831.3	24756.6	21814.5	14655.2	14275.2	20448.1
55°	23534.5	23957.9	22841.7	16036.1	18761.7	25759.7	28786.1	25485.5	16825.1	17922.1	24843.2
57.5°	25333.9	26471.8	28187.0	21410.3	22336.5	30455.6	33758.5	29967.2	20553.9	23994.0	28918.4
60°	24145.6	25435.0	28543.1	25456.6	25882.4	34218.0	37862.6	33734.5	24215.3	28208.7	28687.4
62.5°	22168.1	23325.2	26089.3	23094.3	26430.9	35045.6	37958.8	34391.2	25670.7	26070.1	25913.7
65°	19822.6	20989.3	23917.0	20159.4	24686.8	33080.2	35158.6	32459.5	23055.8	23553.8	23611.5
67.5°	16707.3	17785.0	20765.6	17924.5	22502.5	30195.8	30859.7	29707.4	21232.3	22026.2	21196.2
70°	12482.9	13454.8	16086.6	14566.2	18968.6	26438.1	25901.7	26072.5	19185.1	19974.1	17705.6
72.5°	8530.4	9261.8	11518.3	11446.1	14525.3	21164.9	20416.8	22035.8	16024.1	17070.5	13498.1
75°	5966.0	6536.2	8326.0	9042.9	10979.4	15687.3	14539.8	16493.2	12514.2	14008.1	9848.7
77.5°	3661.4	4039.1	5258.8	6699.7	7063.0	10736.4	9030.8	12410.8	8787.9	10216.8	6569.8
80°	1830.7	2013.5	2554.8	4212.3	4683.8	6326.9	4986.9	7204.9	5946.8	6326.9	3634.9
82.5°	553.3	611.0	748.2	1599.8	2427.3	3642.2	2946.9	4185.8	3247.6	2966.2	1431.4
85°	146.7	166.0	206.9	473.9	851.6	1306.3	995.9	2028.0	1556.5	1094.6	538.9
87.5°	12.0	12.0	9.6	9.6	4.8	0.0	0.0	144.3	291.1	166.0	93.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1
2.5°	4592.4	4582.8	4484.1	4412.0	4327.8	4246.0	4161.8	4087.2	4003.0	3918.8	3894.8
5°	4962.9	4895.5	4686.2	4510.6	4337.4	4185.8	4053.5	3916.4	3805.7	3697.5	3656.6
7.5°	5290.0	5172.2	4869.0	4602.0	4361.5	4173.8	3979.0	3779.3	3622.9	3469.0	3430.5
10°	5585.9	5429.6	5047.1	4710.3	4443.2	4229.1	4000.6	3733.6	3507.4	3319.8	3269.3
12.5°	5804.8	5634.0	5201.0	4813.7	4510.6	4270.0	4043.9	3808.2	3570.0	3327.0	3271.7
15°	5978.1	5800.0	5328.5	4893.1	4513.0	4202.7	3983.8	3902.0	3827.4	3589.2	3488.2
17.5°	6117.6	5929.9	5439.2	4941.2	4448.1	3998.2	3808.2	3928.4	4118.5	3969.3	3779.3
20°	6245.1	6055.0	5523.4	4974.9	4303.7	3716.7	3610.9	3865.9	4152.2	4147.3	3976.5
22.5°	6384.6	6199.4	5646.1	4994.1	4101.6	3430.5	3493.0	3774.5	4007.8	4077.6	3971.7
25°	6562.6	6399.0	5816.9	5037.4	3873.1	3233.2	3406.4	3656.6	3851.5	3868.3	3805.7
27.5°	6769.5	6646.8	6071.9	5138.5	3651.8	3132.2	3305.4	3490.6	3668.6	3675.8	3601.3
30°	6995.6	6913.9	6307.6	5222.7	3485.8	3100.9	3175.5	3324.6	3437.7	3456.9	3392.0
32.5°	7284.3	7212.2	6516.9	5167.3	3387.2	3093.7	3055.2	3132.2	3226.0	3226.0	3175.5
35°	7681.3	7580.2	6738.2	4955.6	3266.9	3064.8	2927.7	2949.3	2990.2	2997.4	2968.6
37.5°	8244.2	8078.2	6962.0	4537.1	3069.6	2961.4	2780.9	2754.5	2768.9	2788.2	2780.9
40°	8941.8	8670.0	7289.1	4034.3	2833.9	2761.7	2629.4	2578.9	2566.8	2605.3	2619.8
42.5°	9819.9	9403.7	7640.4	3565.2	2619.8	2533.2	2451.4	2408.1	2388.8	2453.8	2492.3
45°	11222.4	10536.8	7977.1	3100.9	2499.5	2338.3	2283.0	2251.7	2261.3	2338.3	2386.4
47.5°	13644.9	12266.4	8297.1	2807.4	2489.9	2198.8	2131.4	2138.6	2165.1	2246.9	2304.6
50°	16709.7	14583.1	8511.2	2684.7	2518.7	2114.6	2025.6	2064.1	2104.9	2184.3	2251.7
52.5°	19829.8	16740.9	8256.2	2617.4	2516.3	2117.0	1926.9	2042.4	2061.6	2141.0	2213.2
55°	21975.7	16981.5	7132.8	2513.9	2477.8	2213.2	1849.9	2032.8	2044.8	2117.0	2181.9
57.5°	22793.6	16158.8	5439.2	2542.8	2362.4	2287.8	1816.3	1965.4	2052.0	2114.6	2181.9
60°	21804.8	14607.1	3305.4	2617.4	2177.1	2283.0	1837.9	1842.7	1991.9	2097.7	2165.1
62.5°	19940.5	12615.3	2321.5	2405.7	2042.4	2155.5	1888.4	1698.4	1886.0	2013.5	2073.7
65°	17804.2	10272.1	1770.6	2071.3	1977.4	1958.2	1905.3	1570.9	1741.7	1866.8	1919.7
67.5°	15579.0	7984.4	1438.6	1544.4	1787.4	1770.6	1741.7	1457.8	1570.9	1659.9	1720.0
70°	12776.4	5585.9	1214.9	1159.5	1532.4	1587.7	1522.8	1315.9	1352.0	1443.4	1491.5
72.5°	9346.0	3481.0	998.3	957.5	1231.7	1388.1	1354.4	1159.5	1176.4	1263.0	1301.5
75°	6721.4	1991.9	801.1	789.1	940.6	1188.4	1121.0	998.3	1017.6	1082.5	1109.0
77.5°	4272.4	1109.0	618.3	635.1	673.6	887.7	957.5	854.0	854.0	892.5	914.1
80°	2287.8	635.1	452.3	459.5	471.5	678.4	755.4	661.6	661.6	635.1	661.6
82.5°	933.4	365.7	310.3	288.7	315.1	464.3	529.2	421.0	440.2	396.9	406.6
85°	307.9	182.8	154.0	151.6	149.2	204.5	255.0	209.3	250.2	158.8	166.0
87.5°	40.9	33.7	19.2	14.4	16.8	7.2	14.4	16.8	16.8	12.0	12.0
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°	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1
2.5°	3877.9	3858.7	3788.9	3805.7	3793.7	3774.5	3793.7	3757.6	3786.5	3796.1	3856.3
5°	3625.3	3579.6	3512.3	3478.6	3471.4	3452.1	3454.5	3437.7	3442.5	3483.4	3550.7
7.5°	3399.2	3355.9	3303.0	3278.9	3257.3	3235.6	3233.2	3230.8	3250.0	3286.1	3351.1
10°	3235.6	3211.5	3189.9	3199.5	3189.9	3180.3	3163.4	3163.4	3194.7	3259.7	3339.0
12.5°	3235.6	3230.8	3235.6	3264.5	3262.1	3264.5	3242.8	3254.9	3341.5	3452.1	3565.2
15°	3408.8	3370.3	3370.3	3384.8	3379.9	3379.9	3379.9	3430.5	3627.7	3798.5	3918.8
17.5°	3620.5	3507.4	3459.3	3452.1	3449.7	3449.7	3459.3	3567.6	3875.5	4055.9	4125.7
20°	3767.3	3553.2	3473.8	3442.5	3444.9	3449.7	3478.6	3627.7	3966.9	4058.3	4041.5
22.5°	3793.7	3517.1	3420.8	3375.1	3382.3	3387.2	3430.5	3589.2	3841.8	3856.3	3822.6
25°	3671.0	3416.0	3312.6	3276.5	3286.1	3283.7	3322.2	3437.7	3618.1	3613.3	3594.0
27.5°	3488.2	3254.9	3177.9	3153.8	3170.7	3151.4	3163.4	3252.4	3392.0	3387.2	3379.9
30°	3300.6	3098.5	3028.7	3016.7	3038.3	3009.5	3011.9	3086.5	3182.7	3177.9	3175.5
32.5°	3112.9	2942.1	2879.6	2879.6	2901.2	2869.9	2874.8	2939.7	3004.7	2985.4	2985.4
35°	2934.9	2814.6	2764.1	2754.5	2771.3	2749.7	2759.3	2819.4	2843.5	2817.0	2800.2
37.5°	2778.5	2725.6	2675.1	2641.4	2643.8	2646.2	2675.1	2720.8	2706.4	2667.9	2646.2
40°	2634.2	2634.2	2586.1	2523.5	2516.3	2533.2	2581.3	2631.8	2590.9	2547.6	2521.1
42.5°	2530.7	2552.4	2506.7	2444.1	2429.7	2458.6	2511.5	2547.6	2499.5	2451.4	2415.3
45°	2434.5	2487.4	2456.2	2386.4	2367.2	2400.8	2468.2	2482.6	2417.7	2372.0	2345.5
47.5°	2367.2	2439.3	2417.7	2350.3	2321.5	2369.6	2439.3	2436.9	2355.1	2307.0	2285.4
50°	2319.1	2410.5	2408.1	2350.3	2319.1	2379.2	2441.7	2410.5	2321.5	2270.9	2249.3
52.5°	2280.6	2408.1	2424.9	2391.2	2369.6	2422.5	2461.0	2400.8	2297.4	2244.5	2227.6
55°	2263.7	2417.7	2429.7	2398.4	2379.2	2427.3	2461.0	2420.1	2297.4	2249.3	2234.9
57.5°	2268.5	2405.7	2408.1	2364.8	2331.1	2391.2	2444.1	2432.1	2323.9	2268.5	2251.7
60°	2239.7	2340.7	2345.5	2278.2	2239.7	2311.8	2405.7	2398.4	2311.8	2254.1	2222.8
62.5°	2143.4	2232.4	2234.9	2172.3	2117.0	2220.4	2323.9	2321.5	2242.1	2184.3	2148.2
65°	1982.3	2076.1	2100.1	2040.0	1996.7	2107.4	2215.6	2210.8	2131.4	2078.5	2042.4
67.5°	1782.6	1883.6	1929.3	1888.4	1871.6	1972.6	2073.7	2071.3	2006.3	1955.8	1924.5
70°	1539.6	1623.8	1700.8	1700.8	1688.8	1804.2	1912.5	1902.9	1842.7	1804.2	1780.2
72.5°	1337.5	1402.5	1426.6	1450.6	1486.7	1607.0	1698.4	1705.6	1662.3	1643.1	1662.3
75°	1137.9	1178.8	1200.4	1181.2	1243.7	1368.8	1489.1	1501.1	1455.4	1424.1	1431.4
77.5°	935.8	981.5	1003.2	959.9	955.0	1113.8	1260.6	1287.0	1248.5	1200.4	1214.9
80°	676.0	736.1	772.2	743.3	733.7	803.5	1005.6	1034.4	998.3	959.9	981.5
82.5°	413.8	447.5	457.1	485.9	546.1	575.0	647.1	743.3	716.9	683.2	743.3
85°	163.6	194.9	216.5	245.4	286.3	339.2	399.3	476.3	433.0	418.6	493.2
87.5°	9.6	2.4	0.0	4.8	40.9	79.4	170.8	235.8	197.3	211.7	255.0
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°	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1	4217.1
2.5°	3904.4	3966.9	4051.1	4120.9	4209.9	4294.1	4380.7	4467.3	4513.0	4532.3
5°	3627.7	3743.2	3877.9	4027.1	4200.3	4383.1	4568.3	4758.4	4878.7	4888.3
7.5°	3461.7	3627.7	3813.0	4000.6	4214.7	4467.3	4760.8	5054.3	5177.0	5210.6
10°	3514.7	3699.9	3846.6	4022.3	4258.0	4573.1	4919.6	5263.6	5405.5	5446.4
12.5°	3726.4	3762.4	3808.2	3969.3	4258.0	4664.6	5083.1	5492.1	5643.7	5682.2
15°	3902.0	3728.8	3647.0	3817.8	4200.3	4744.0	5256.4	5708.6	5891.4	5927.5
17.5°	3916.4	3618.1	3440.1	3594.0	4099.2	4799.3	5422.3	5949.2	6103.1	6136.8
20°	3769.7	3500.2	3269.3	3363.1	3962.1	4823.3	5542.6	6124.8	6276.4	6310.0
22.5°	3603.7	3404.0	3153.8	3149.0	3796.1	4849.8	5687.0	6290.8	6454.4	6476.0
25°	3447.3	3271.7	3060.0	2992.6	3603.7	4900.3	5881.8	6541.0	6666.1	6673.3
27.5°	3264.5	3129.8	2985.4	2920.5	3435.3	4996.5	6170.5	6839.3	6913.9	6901.8
30°	3098.5	2997.4	2932.5	2913.2	3329.4	5068.7	6444.7	7132.8	7137.6	7096.7
32.5°	2922.9	2884.4	2884.4	2946.9	3242.8	5051.9	6668.5	7419.0	7373.3	7313.2
35°	2766.5	2773.7	2824.2	2971.0	3098.5	4883.5	6882.6	7777.5	7710.1	7623.5
37.5°	2617.4	2672.7	2744.9	2886.8	2908.4	4633.3	7132.8	8285.1	8200.9	8092.6
40°	2489.9	2574.0	2658.2	2728.0	2706.4	4277.3	7481.6	8881.7	8787.9	8662.8
42.5°	2388.8	2470.6	2564.4	2571.6	2578.9	3906.8	7852.1	9613.0	9596.2	9459.0
45°	2323.9	2376.8	2465.8	2453.8	2571.6	3497.8	8193.7	10729.2	10950.5	10847.1
47.5°	2280.6	2321.5	2331.1	2381.6	2634.2	3132.2	8633.9	12913.6	13529.4	13411.5
50°	2256.5	2297.4	2189.1	2386.4	2643.8	2896.4	9242.5	15656.0	16647.1	16490.8
52.5°	2254.1	2244.5	2080.9	2436.9	2590.9	2752.1	9560.1	17657.5	19856.3	20195.5
55°	2258.9	2138.6	2025.6	2451.4	2485.0	2699.1	8496.8	18619.8	22817.6	23534.5
57.5°	2215.6	2023.2	2056.8	2393.6	2285.4	2841.1	6281.2	18275.8	24001.2	25333.9
60°	2133.8	1912.5	2114.6	2237.3	2080.9	2598.1	4325.4	16740.9	22774.3	24145.6
62.5°	2015.9	1835.5	2107.4	2035.2	2006.3	2126.6	2973.4	14592.7	20828.2	22168.1
65°	1883.6	1773.0	1994.3	1840.3	1857.2	1635.8	2102.5	12167.8	18504.3	19822.6
67.5°	1741.7	1734.5	1828.3	1638.3	1568.5	1296.6	1532.4	9752.5	15518.9	16707.3
70°	1580.5	1633.4	1662.3	1455.4	1272.6	1017.6	1137.9	6820.0	11448.5	12482.9
72.5°	1419.3	1424.1	1465.0	1265.4	952.6	815.5	854.0	4130.5	7777.5	8530.4
75°	1255.8	1210.0	1248.5	1029.6	709.7	668.8	659.1	2552.4	5371.8	5966.0
77.5°	1080.1	1029.6	979.1	774.6	570.1	517.2	505.2	1431.4	3295.7	3661.4
80°	878.1	810.7	731.3	567.7	416.2	370.5	368.1	697.6	1643.1	1830.7
82.5°	683.2	555.7	534.1	353.6	257.4	226.1	240.6	267.0	495.6	553.3
85°	478.7	404.1	283.9	141.9	115.5	93.8	91.4	79.4	132.3	146.7
87.5°	267.0	175.6	91.4	16.8	19.2	21.7	16.8	12.0	12.0	12.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)