

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: P638871

Luminaire Tested: GWS-SA4F-760-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638871
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-760-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32502.6 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

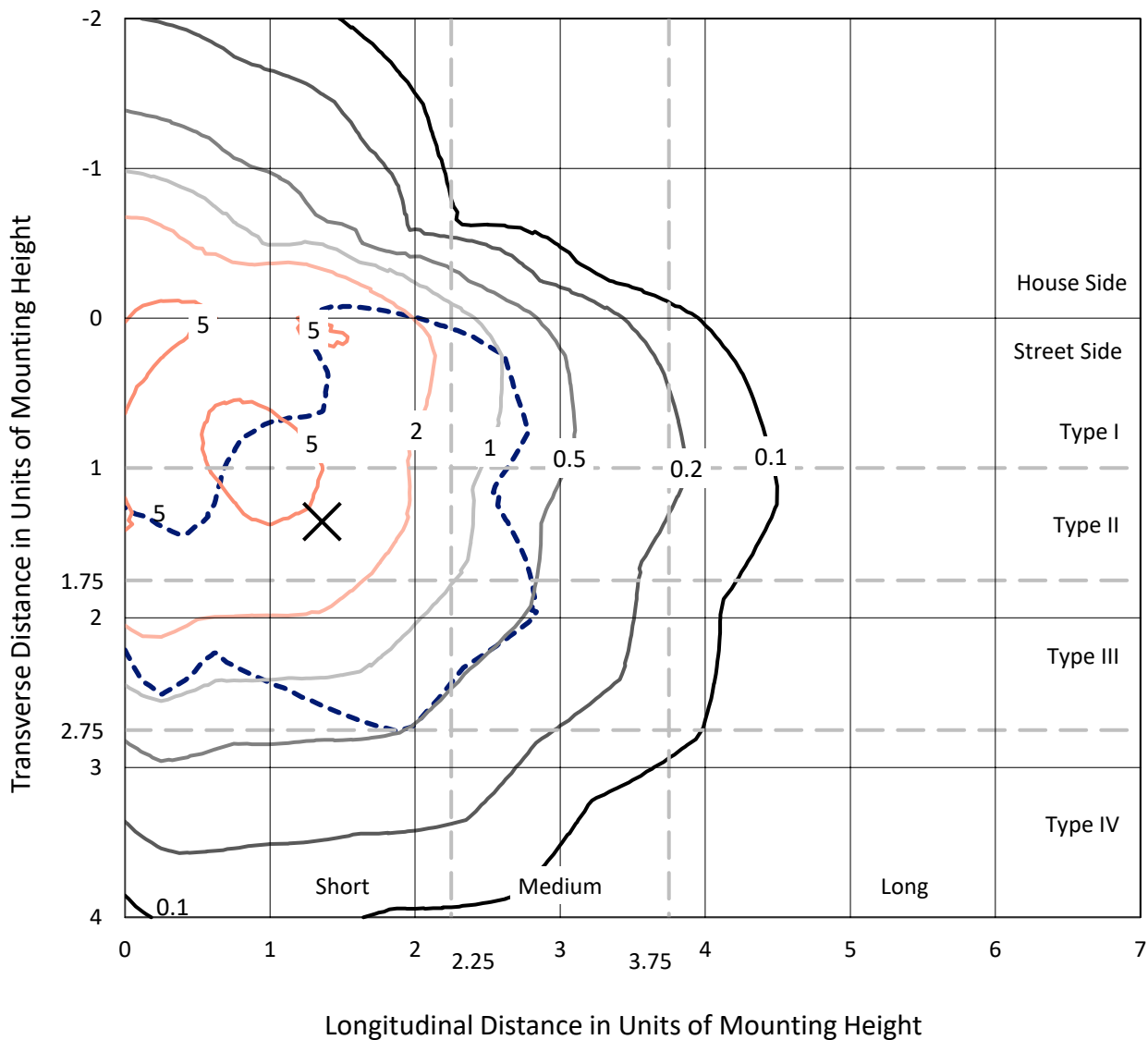
Input Watts (W): 225.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

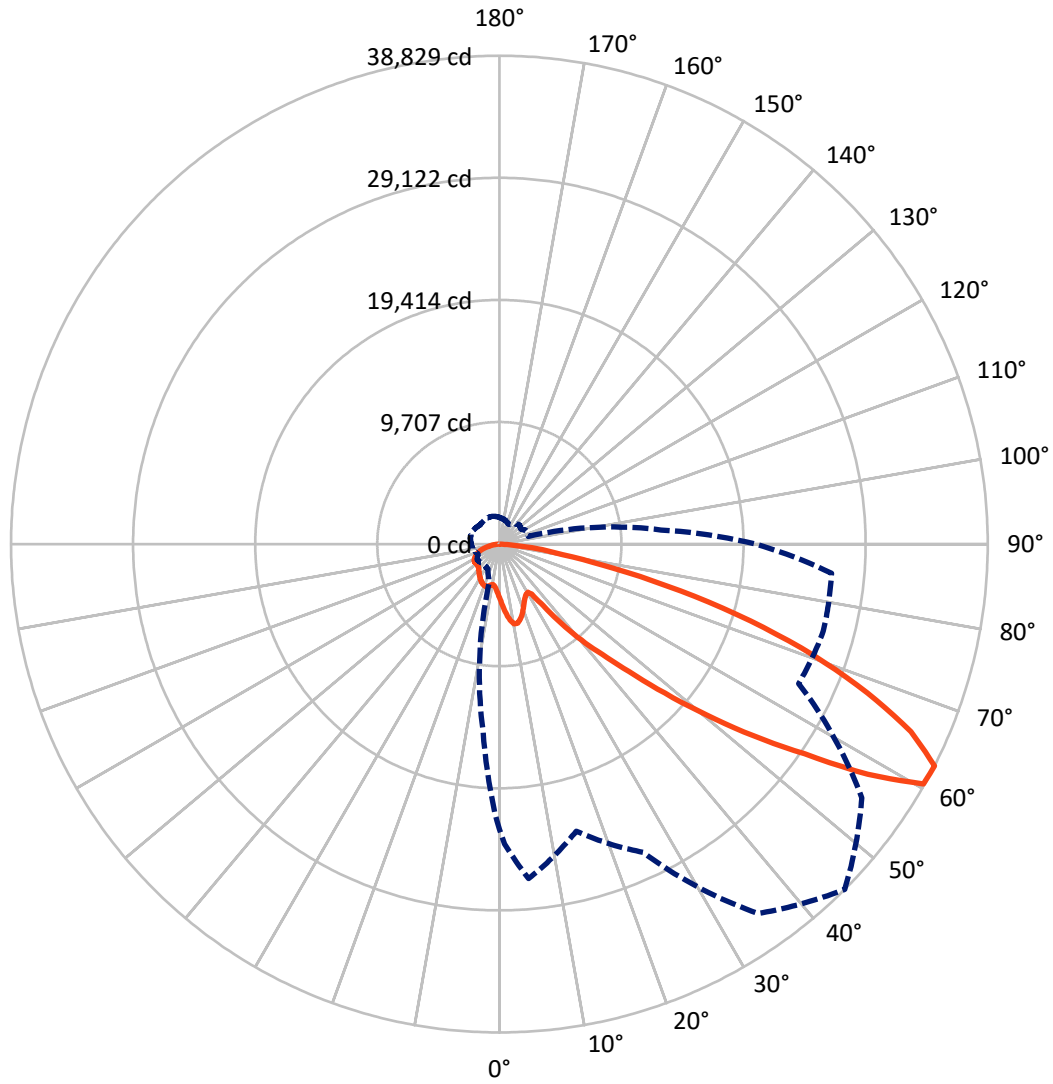
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.8 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	7755.7	0.0	7755.7
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	24746.9	0.0	24746.9
	% Fixture	76.1	0.0	76.1
Total	Lumens	32502.6	0.0	32502.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.3	1.3
10°-20°	1320.7	4.1
20°-30°	2051.3	6.3
30°-40°	2785.2	8.6
40°-50°	4414.2	13.6
50°-60°	7786.7	24.0
60°-70°	8663.9	26.7
70°-80°	4394.0	13.5
80°-90°	665.3	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°	32502.6	100.0
0°-180°	32502.6	100.0

Coefficient of Utilization



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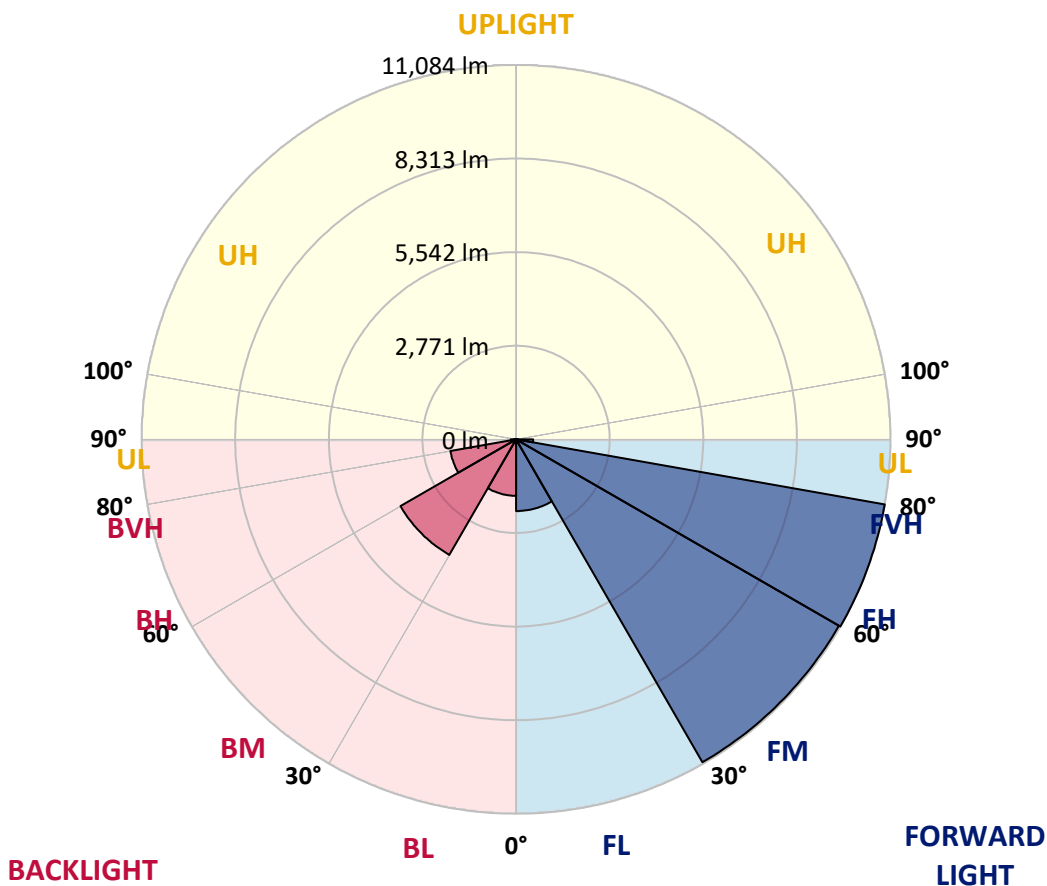
CATALOG NUMBER: GWS-SA4F-760-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2122.1	6.5			
FM (30°-60°)	11036.0	34.0			
FH (60°-80°)	11083.7	34.1			G4/12000
FVH (80°-90°)	505.0	1.6			G4/750
BL (0°-30°)	1671.2	5.1	B3/2500		
BM (30°-60°)	3950.0	12.2	B3/5000		
BH (60°-80°)	1974.2	6.1	B3/2500		G3/2500
BVH (80°-90°)	160.3	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°	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8
2.5°	4636.1	4633.7	4680.4	4751.8	4818.2	4847.7	4897.0	4892.0	4852.7	4801.0	4783.8
5°	5000.3	5010.2	5091.4	5248.9	5423.6	5497.4	5529.4	5517.1	5445.7	5354.7	5194.7
7.5°	5330.1	5347.3	5472.8	5709.0	5925.6	6024.0	6102.8	6088.0	5984.6	5814.8	5578.6
10°	5571.2	5590.9	5741.0	6019.1	6260.2	6346.4	6447.3	6452.2	6361.1	6132.3	5891.1
12.5°	5812.4	5832.1	5972.3	6225.8	6383.3	6385.7	6444.8	6476.8	6481.7	6375.9	6134.7
15°	6063.4	6080.6	6208.6	6351.3	6343.9	6206.1	6206.1	6267.6	6403.0	6479.3	6311.9
17.5°	6277.5	6299.6	6398.0	6351.3	6132.3	5883.7	5854.2	5933.0	6169.2	6462.0	6444.8
20°	6454.6	6471.9	6526.0	6215.9	5817.3	5492.5	5435.9	5526.9	5846.8	6356.2	6545.7
22.5°	6624.4	6634.3	6604.8	6038.8	5477.7	5106.1	5037.2	5133.2	5477.7	6169.2	6631.8
25°	6826.2	6816.4	6676.1	5854.2	5167.7	4801.0	4729.6	4837.9	5197.2	5920.7	6725.3
27.5°	7060.0	7023.1	6737.6	5654.9	4929.0	4574.6	4525.4	4641.0	4975.7	5691.8	6799.2
30°	7259.3	7188.0	6747.5	5477.7	4805.9	4478.6	4449.1	4557.4	4867.4	5536.8	6892.7
32.5°	7480.8	7382.4	6804.1	5431.0	4874.8	4709.9	4749.3	4756.7	4897.0	5492.5	7032.9
35°	7798.2	7670.3	6959.1	5566.3	5583.5	5861.6	6004.3	5812.4	5342.4	5590.9	7298.7
37.5°	8278.1	8115.7	7274.1	6152.0	7047.7	7670.3	8014.8	7576.8	6695.8	5962.5	7699.8
40°	8861.3	8654.6	7677.7	7234.7	8415.9	9412.5	10025.2	9383.0	8088.6	6890.2	8263.3
42.5°	9675.8	9459.3	8460.2	8297.8	9683.2	11167.0	11966.8	11009.6	9316.5	8088.6	9166.4
45°	11095.7	10886.5	9894.8	9363.3	11167.0	13327.6	14449.7	13118.5	10564.2	9291.9	10854.5
47.5°	13718.9	13472.8	12025.9	10544.5	12860.1	16132.9	17702.9	15763.8	11861.0	10670.0	13689.4
50°	16868.7	16632.5	14700.7	11942.2	14730.3	19132.6	21315.3	18871.8	13354.7	12345.8	17077.9
52.5°	20658.3	20614.0	18517.4	13709.0	16676.8	22331.6	25324.0	22314.4	14991.1	14602.3	20916.7
55°	24073.9	24507.0	23365.2	16403.6	19191.7	26350.1	29445.8	26069.6	17210.7	18332.9	25412.5
57.5°	25914.5	27078.5	28833.0	21901.0	22848.4	31153.6	34532.2	30654.0	21025.0	24543.9	29581.1
60°	24698.9	26017.9	29197.2	26040.0	26475.6	35002.2	38730.3	34507.6	24770.3	28855.2	29344.9
62.5°	22676.1	23859.8	26687.2	23623.6	27036.7	35848.7	38828.8	35179.4	26259.1	26667.5	26507.6
65°	20276.9	21470.4	24465.1	20621.4	25252.6	33838.3	35964.4	33203.4	23584.2	24093.6	24152.6
67.5°	17090.2	18192.6	21241.5	18335.3	23018.2	30887.8	31567.0	30388.3	21718.9	22531.0	21682.0
70°	12769.0	13763.2	16455.3	14900.1	19403.3	27044.0	26495.3	26670.0	19624.8	20431.9	18111.4
72.5°	8725.9	9474.0	11782.2	11708.4	14858.2	21650.0	20884.7	22540.8	16391.3	17461.7	13807.5
75°	6102.8	6686.0	8516.8	9250.1	11231.0	16046.8	14873.0	16871.2	12801.0	14329.2	10074.5
77.5°	3745.3	4131.7	5379.3	6853.3	7224.9	10982.5	9237.8	12695.2	8989.3	10451.0	6720.4
80°	1872.7	2059.7	2613.4	4308.8	4791.2	6471.9	5101.2	7370.1	6083.1	6471.9	3718.2
82.5°	566.0	625.0	765.3	1636.4	2482.9	3725.6	3014.5	4281.8	3322.1	3034.1	1464.2
85°	150.1	169.8	211.6	484.8	871.1	1336.2	1018.8	2074.4	1592.1	1119.7	551.2
87.5°	12.3	12.3	9.8	9.8	4.9	0.0	0.0	147.6	297.8	169.8	96.0
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°	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8
2.5°	4697.6	4687.8	4586.9	4513.1	4427.0	4343.3	4257.2	4180.9	4094.7	4008.6	3984.0
5°	5076.6	5007.7	4793.6	4614.0	4436.8	4281.8	4146.4	4006.2	3893.0	3782.2	3740.4
7.5°	5411.3	5290.7	4980.6	4707.5	4461.4	4269.5	4070.1	3865.9	3705.9	3548.5	3509.1
10°	5713.9	5554.0	5162.7	4818.2	4545.1	4326.1	4092.3	3819.1	3587.8	3395.9	3344.2
12.5°	5937.9	5763.2	5320.2	4924.0	4614.0	4367.9	4136.6	3895.4	3651.8	3403.3	3346.7
15°	6115.1	5933.0	5450.6	5005.2	4616.4	4299.0	4075.1	3991.4	3915.1	3671.5	3568.1
17.5°	6257.8	6065.8	5563.8	5054.5	4550.0	4089.8	3895.4	4018.5	4212.9	4060.3	3865.9
20°	6388.2	6193.8	5650.0	5088.9	4402.3	3801.9	3693.6	3954.5	4247.3	4242.4	4067.7
22.5°	6530.9	6341.4	5775.5	5108.6	4195.6	3509.1	3573.1	3861.0	4099.7	4171.0	4062.8
25°	6713.0	6545.7	5950.2	5152.9	3961.9	3307.3	3484.5	3740.4	3939.7	3956.9	3893.0
27.5°	6924.7	6799.2	6211.0	5256.2	3735.5	3203.9	3381.1	3570.6	3752.7	3760.1	3683.8
30°	7156.0	7072.3	6452.2	5342.4	3565.7	3172.0	3248.2	3400.8	3516.5	3536.2	3469.7
32.5°	7451.3	7377.4	6666.3	5285.8	3464.8	3164.6	3125.2	3203.9	3299.9	3299.9	3248.2
35°	7857.3	7753.9	6892.7	5069.2	3341.7	3135.0	2994.8	3016.9	3058.8	3066.1	3036.6
37.5°	8433.1	8263.3	7121.5	4641.0	3140.0	3029.2	2844.7	2817.6	2832.4	2852.1	2844.7
40°	9146.7	8868.7	7456.2	4126.7	2898.8	2825.0	2689.6	2638.0	2625.7	2665.0	2679.8
42.5°	10044.9	9619.2	7815.5	3646.9	2679.8	2591.2	2507.5	2463.2	2443.6	2510.0	2549.4
45°	11479.6	10778.2	8160.0	3172.0	2556.8	2391.9	2335.3	2303.3	2313.1	2391.9	2441.1
47.5°	13957.6	12547.6	8487.3	2871.7	2546.9	2249.2	2180.3	2187.6	2214.7	2298.4	2357.4
50°	17092.6	14917.3	8706.3	2746.2	2576.4	2163.0	2072.0	2111.4	2153.2	2234.4	2303.3
52.5°	20284.3	17124.6	8445.4	2677.3	2574.0	2165.5	1971.1	2089.2	2108.9	2190.1	2263.9
55°	22479.3	17370.7	7296.2	2571.5	2534.6	2263.9	1892.3	2079.4	2091.7	2165.5	2231.9
57.5°	23316.0	16529.1	5563.8	2601.1	2416.5	2340.2	1857.9	2010.5	2099.1	2163.0	2231.9
60°	22304.6	14941.9	3381.1	2677.3	2227.0	2335.3	1880.0	1885.0	2037.5	2145.8	2214.7
62.5°	20397.5	12904.4	2374.7	2460.8	2089.2	2204.9	1931.7	1737.3	1929.3	2059.7	2121.2
65°	18212.3	10507.6	1811.1	2118.7	2022.8	2003.1	1948.9	1606.9	1781.6	1909.6	1963.7
67.5°	15936.1	8167.4	1471.6	1579.8	1828.4	1811.1	1781.6	1491.2	1606.9	1697.9	1759.5
70°	13069.2	5713.9	1242.7	1186.1	1567.5	1624.1	1557.7	1346.1	1383.0	1476.5	1525.7
72.5°	9560.2	3560.8	1021.2	979.4	1259.9	1419.9	1385.4	1186.1	1203.3	1291.9	1331.3
75°	6875.4	2037.5	819.4	807.1	962.2	1215.6	1146.7	1021.2	1040.9	1107.4	1134.4
77.5°	4370.4	1134.4	632.4	649.6	689.0	908.0	979.4	873.6	873.6	913.0	935.1
80°	2340.2	649.6	462.6	470.0	482.3	693.9	772.7	676.7	676.7	649.6	676.7
82.5°	954.8	374.0	317.4	295.3	322.4	474.9	541.4	430.6	450.3	406.0	415.9
85°	315.0	187.0	157.5	155.0	152.6	209.2	260.8	214.1	255.9	162.4	169.8
87.5°	41.8	34.5	19.7	14.8	17.2	7.4	14.8	17.2	17.2	12.3	12.3
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8
2.5°	3966.8	3947.1	3875.7	3893.0	3880.7	3861.0	3880.7	3843.7	3873.3	3883.1	3944.6
5°	3708.4	3661.7	3592.7	3558.3	3550.9	3531.2	3533.7	3516.5	3521.4	3563.2	3632.1
7.5°	3477.1	3432.8	3378.7	3354.1	3331.9	3309.8	3307.3	3304.8	3324.5	3361.4	3427.9
10°	3309.8	3285.1	3263.0	3272.8	3263.0	3253.2	3235.9	3235.9	3267.9	3334.4	3415.6
12.5°	3309.8	3304.8	3309.8	3339.3	3336.8	3339.3	3317.1	3329.4	3418.0	3531.2	3646.9
15°	3486.9	3447.6	3447.6	3462.3	3457.4	3457.4	3457.4	3509.1	3710.9	3885.6	4008.6
17.5°	3703.5	3587.8	3538.6	3531.2	3528.8	3528.8	3538.6	3649.3	3964.3	4148.9	4220.2
20°	3853.6	3634.6	3553.4	3521.4	3523.8	3528.8	3558.3	3710.9	4057.8	4151.3	4134.1
22.5°	3880.7	3597.7	3499.2	3452.5	3459.9	3464.8	3509.1	3671.5	3929.9	3944.6	3910.2
25°	3755.2	3494.3	3388.5	3351.6	3361.4	3359.0	3398.3	3516.5	3701.0	3696.1	3676.4
27.5°	3568.1	3329.4	3250.7	3226.1	3243.3	3223.6	3235.9	3327.0	3469.7	3464.8	3457.4
30°	3376.2	3169.5	3098.1	3085.8	3108.0	3078.4	3080.9	3157.2	3255.6	3250.7	3248.2
32.5°	3184.3	3009.5	2945.6	2945.6	2967.7	2935.7	2940.6	3007.1	3073.5	3053.8	3053.8
35°	3002.2	2879.1	2827.4	2817.6	2834.8	2812.7	2822.5	2884.0	2908.6	2881.6	2864.4
37.5°	2842.2	2788.1	2736.4	2701.9	2704.4	2706.9	2736.4	2783.1	2768.4	2729.0	2706.9
40°	2694.6	2694.6	2645.3	2581.4	2574.0	2591.2	2640.4	2692.1	2650.3	2606.0	2578.9
42.5°	2588.7	2610.9	2564.1	2500.2	2485.4	2514.9	2569.1	2606.0	2556.8	2507.5	2470.6
45°	2490.3	2544.5	2512.5	2441.1	2421.4	2455.9	2524.8	2539.5	2473.1	2426.3	2399.3
47.5°	2421.4	2495.2	2473.1	2404.2	2374.7	2423.9	2495.2	2492.8	2409.1	2359.9	2337.7
50°	2372.2	2465.7	2463.2	2404.2	2372.2	2433.7	2497.7	2465.7	2374.7	2323.0	2300.8
52.5°	2332.8	2463.2	2480.5	2446.0	2423.9	2478.0	2517.4	2455.9	2350.1	2295.9	2278.7
55°	2315.6	2473.1	2485.4	2453.4	2433.7	2482.9	2517.4	2475.6	2350.1	2300.8	2286.1
57.5°	2320.5	2460.8	2463.2	2419.0	2384.5	2446.0	2500.2	2487.9	2377.1	2320.5	2303.3
60°	2291.0	2394.3	2399.3	2330.4	2291.0	2364.8	2460.8	2453.4	2364.8	2305.8	2273.8
62.5°	2192.6	2283.6	2286.1	2222.1	2165.5	2271.3	2377.1	2374.7	2293.5	2234.4	2197.5
65°	2027.7	2123.7	2148.3	2086.7	2042.5	2155.6	2266.4	2261.5	2180.3	2126.1	2089.2
67.5°	1823.4	1926.8	1973.6	1931.7	1914.5	2017.8	2121.2	2118.7	2052.3	2000.6	1968.6
70°	1574.9	1661.0	1739.8	1739.8	1727.5	1845.6	1956.3	1946.5	1885.0	1845.6	1821.0
72.5°	1368.2	1434.6	1459.2	1483.9	1520.8	1643.8	1737.3	1744.7	1700.4	1680.7	1700.4
75°	1164.0	1205.8	1227.9	1208.2	1272.2	1400.2	1523.2	1535.5	1488.8	1456.8	1464.2
77.5°	957.2	1004.0	1026.1	981.9	976.9	1139.3	1289.5	1316.5	1277.1	1227.9	1242.7
80°	691.5	753.0	789.9	760.4	750.5	821.9	1028.6	1058.1	1021.2	981.9	1004.0
82.5°	423.3	457.7	467.5	497.1	558.6	588.1	662.0	760.4	733.3	698.9	760.4
85°	167.3	199.3	221.5	251.0	292.8	347.0	408.5	487.2	442.9	428.2	504.5
87.5°	9.8	2.5	0.0	4.9	41.8	81.2	174.7	241.2	201.8	216.5	260.8
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°	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8	4313.8
2.5°	3993.9	4057.8	4144.0	4215.3	4306.4	4392.5	4481.1	4569.7	4616.4	4636.1
5°	3710.9	3829.0	3966.8	4119.4	4296.5	4483.6	4673.0	4867.4	4990.5	5000.3
7.5°	3541.1	3710.9	3900.3	4092.3	4311.3	4569.7	4869.9	5170.1	5295.6	5330.1
10°	3595.2	3784.7	3934.8	4114.4	4355.6	4678.0	5032.3	5384.2	5529.4	5571.2
12.5°	3811.8	3848.7	3895.4	4060.3	4355.6	4771.5	5199.6	5618.0	5773.0	5812.4
15°	3991.4	3814.2	3730.6	3905.3	4296.5	4852.7	5376.8	5839.4	6026.5	6063.4
17.5°	4006.2	3701.0	3518.9	3676.4	4193.2	4909.3	5546.6	6085.5	6243.0	6277.5
20°	3856.1	3580.4	3344.2	3440.2	4052.9	4933.9	5669.7	6265.2	6420.2	6454.6
22.5°	3686.3	3482.0	3226.1	3221.2	3883.1	4960.9	5817.3	6435.0	6602.3	6624.4
25°	3526.3	3346.7	3130.1	3061.2	3686.3	5012.6	6016.6	6690.9	6818.8	6826.2
27.5°	3339.3	3201.5	3053.8	2987.4	3514.0	5111.1	6311.9	6996.0	7072.3	7060.0
30°	3169.5	3066.1	2999.7	2980.0	3405.7	5184.9	6592.4	7296.2	7301.2	7259.3
32.5°	2989.9	2950.5	2950.5	3014.5	3317.1	5167.7	6821.3	7589.1	7542.3	7480.8
35°	2829.9	2837.3	2889.0	3039.1	3169.5	4995.4	7040.3	7955.7	7886.8	7798.2
37.5°	2677.3	2733.9	2807.8	2952.9	2975.1	4739.5	7296.2	8474.9	8388.8	8278.1
40°	2546.9	2633.0	2719.2	2790.5	2768.4	4375.3	7653.0	9085.2	8989.3	8861.3
42.5°	2443.6	2527.2	2623.2	2630.6	2638.0	3996.3	8032.0	9833.3	9816.1	9675.8
45°	2377.1	2431.3	2522.3	2510.0	2630.6	3578.0	8381.4	10975.1	11201.5	11095.7
47.5°	2332.8	2374.7	2384.5	2436.2	2694.6	3203.9	8831.8	13209.5	13839.5	13718.9
50°	2308.2	2350.1	2239.3	2441.1	2704.4	2962.8	9454.3	16014.8	17028.6	16868.7
52.5°	2305.8	2295.9	2128.6	2492.8	2650.3	2815.1	9779.2	18062.2	20311.3	20658.3
55°	2310.7	2187.6	2072.0	2507.5	2542.0	2761.0	8691.5	19046.5	23340.6	24073.9
57.5°	2266.4	2069.5	2104.0	2448.5	2337.7	2906.2	6425.1	18694.6	24551.3	25914.5
60°	2182.7	1956.3	2163.0	2288.5	2128.6	2657.6	4424.5	17124.6	23296.3	24698.9
62.5°	2062.1	1877.6	2155.6	2081.8	2052.3	2175.3	3041.5	14927.1	21305.5	22676.1
65°	1926.8	1813.6	2040.0	1882.5	1899.7	1673.3	2150.7	12446.7	18928.4	20276.9
67.5°	1781.6	1774.2	1870.2	1675.8	1604.4	1326.4	1567.5	9976.0	15874.5	17090.2
70°	1616.7	1670.9	1700.4	1488.8	1301.8	1040.9	1164.0	6976.3	11710.9	12769.0
72.5°	1451.9	1456.8	1498.6	1294.4	974.5	834.2	873.6	4225.2	7955.7	8725.9
75°	1284.5	1237.8	1277.1	1053.2	725.9	684.1	674.3	2610.9	5494.9	6102.8
77.5°	1104.9	1053.2	1001.5	792.4	583.2	529.1	516.8	1464.2	3371.3	3745.3
80°	898.2	829.3	748.1	580.7	425.7	379.0	376.5	713.6	1680.7	1872.7
82.5°	698.9	568.4	546.3	361.7	263.3	231.3	246.1	273.1	506.9	566.0
85°	489.7	413.4	290.4	145.2	118.1	96.0	93.5	81.2	135.3	150.1
87.5°	273.1	179.6	93.5	17.2	19.7	22.1	17.2	12.3	12.3	12.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)