

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: P638761

Luminaire Tested: GWS-SA4F-740-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638761
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-740-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32215.9 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

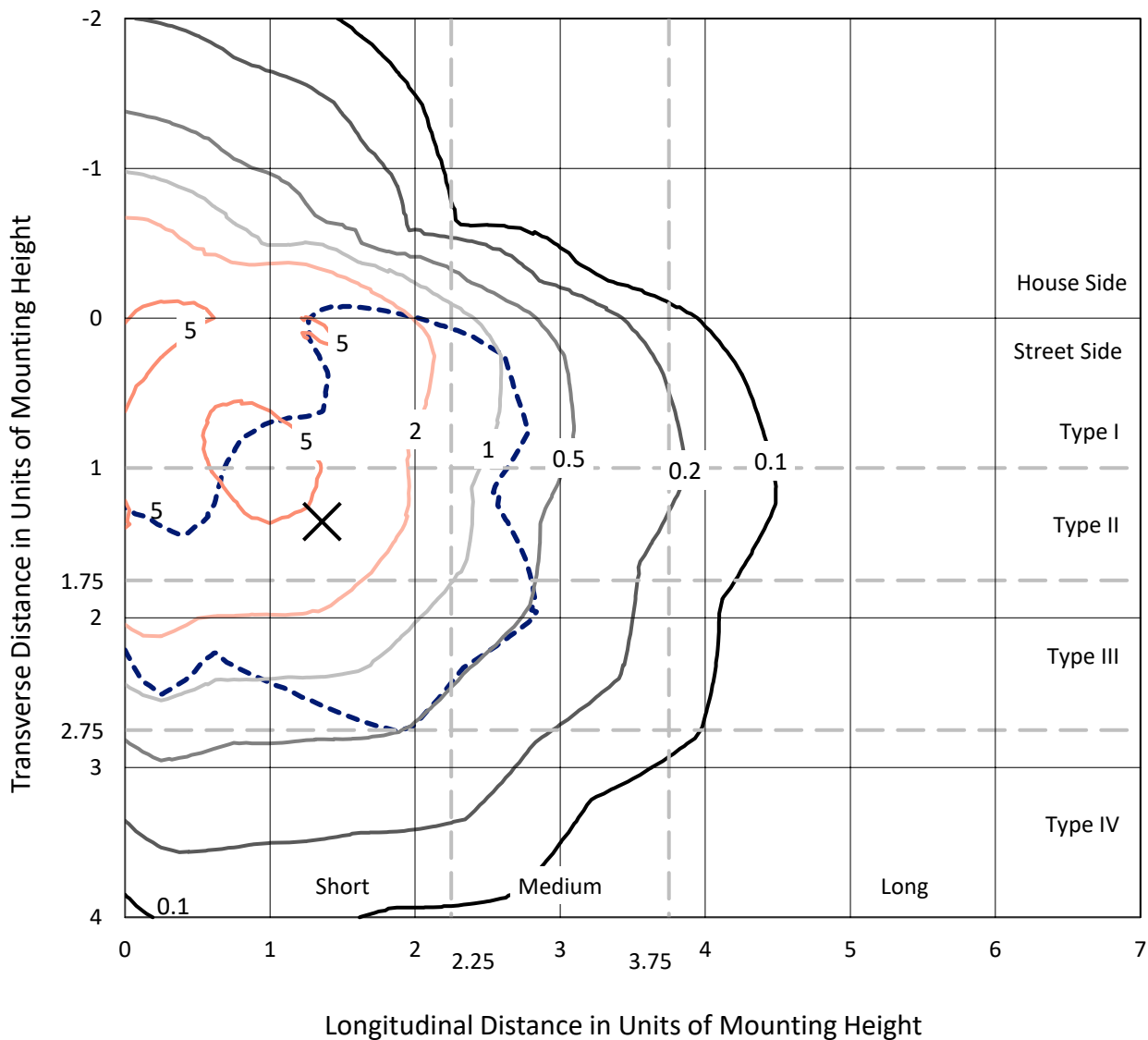
Input Watts (W): 225.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

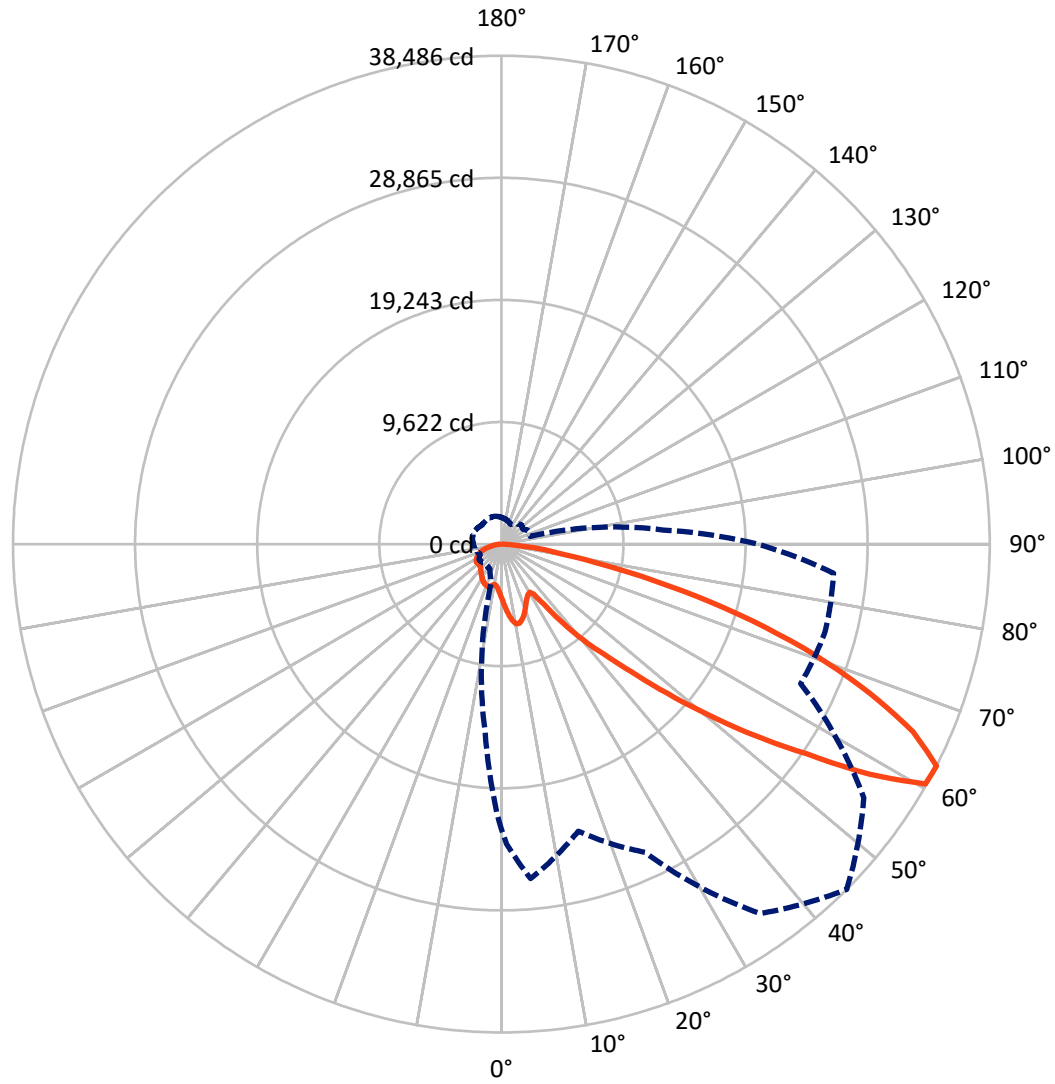
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.8 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	7687.3	0.0	7687.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	24528.6	0.0	24528.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	32215.9	0.0	32215.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.6	1.3
10°-20°	1309.0	4.1
20°-30°	2033.2	6.3
30°-40°	2760.6	8.6
40°-50°	4375.3	13.6
50°-60°	7718.0	24.0
60°-70°	8587.5	26.7
70°-80°	4355.2	13.5
80°-90°	659.5	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°	32215.9	100.0
0°-180°	32215.9	100.0

Coefficient of Utilization



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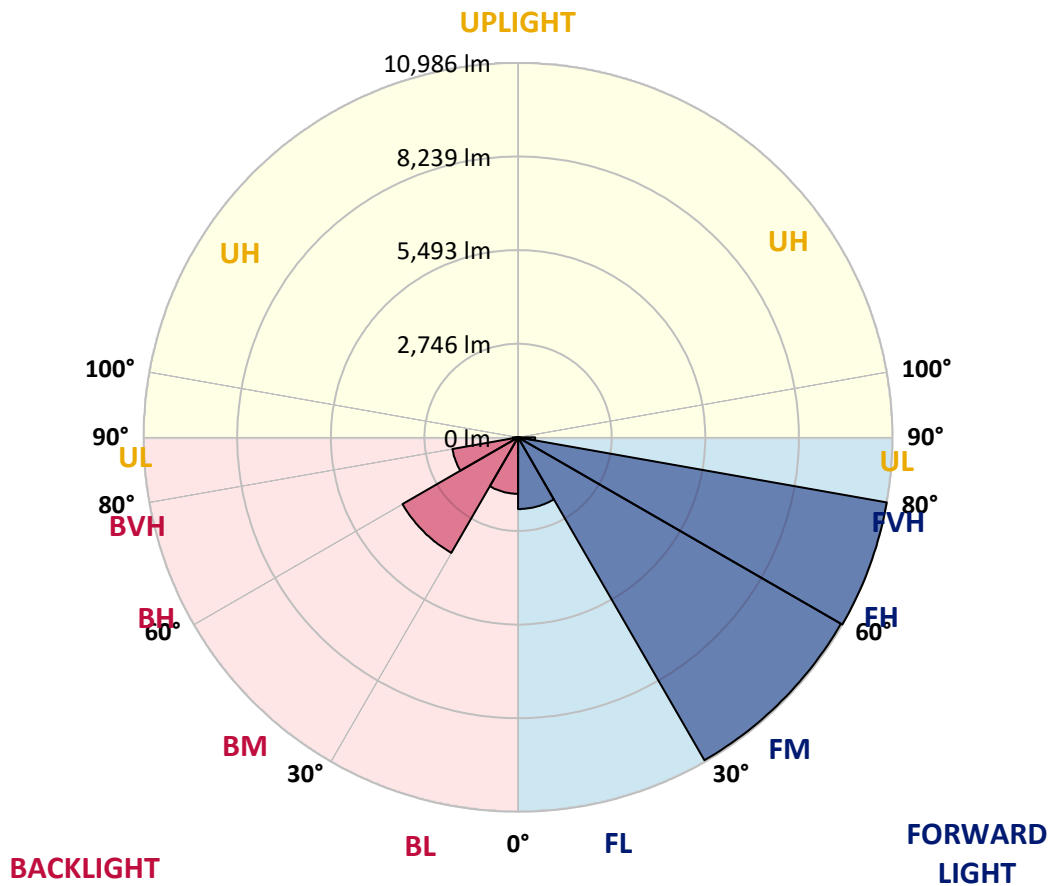
CATALOG NUMBER: GWS-SA4F-740-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2103.4	6.5			
FM (30°-60°)	10938.7	34.0			
FH (60°-80°)	10985.9	34.1			G4/12000
FVH (80°-90°)	500.6	1.6			G4/750
BL (0°-30°)	1656.4	5.1	B3/2500		
BM (30°-60°)	3915.2	12.2	B3/5000		
BH (60°-80°)	1956.8	6.1	B3/2500		G3/2500
BVH (80°-90°)	158.9	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°	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7
2.5°	4595.2	4592.8	4639.1	4709.9	4775.7	4805.0	4853.8	4848.9	4809.9	4758.6	4741.6
5°	4956.2	4966.0	5046.5	5202.6	5375.7	5448.9	5480.6	5468.4	5397.7	5307.4	5148.9
7.5°	5283.0	5300.1	5424.5	5658.7	5873.3	5970.9	6048.9	6034.3	5931.8	5763.5	5529.4
10°	5522.1	5541.6	5690.4	5966.0	6205.0	6290.4	6390.4	6395.3	6305.0	6078.2	5839.2
12.5°	5761.1	5780.6	5919.6	6170.9	6327.0	6329.4	6388.0	6419.7	6424.5	6319.7	6080.6
15°	6009.9	6027.0	6153.8	6295.3	6287.9	6151.4	6151.4	6212.3	6346.5	6422.1	6256.2
17.5°	6222.1	6244.0	6341.6	6295.3	6078.2	5831.8	5802.6	5880.6	6114.8	6405.0	6388.0
20°	6397.7	6414.8	6468.4	6161.1	5766.0	5444.0	5387.9	5478.2	5795.3	6300.1	6488.0
22.5°	6566.0	6575.8	6546.5	5985.5	5429.4	5061.1	4992.8	5087.9	5429.4	6114.8	6573.3
25°	6766.0	6756.3	6617.2	5802.6	5122.1	4758.6	4687.9	4795.2	5151.3	5868.4	6666.0
27.5°	6997.7	6961.1	6678.2	5605.0	4885.5	4534.3	4485.5	4600.1	4931.8	5641.6	6739.2
30°	7195.3	7124.6	6688.0	5429.4	4763.5	4439.1	4409.9	4517.2	4824.5	5487.9	6831.9
32.5°	7414.8	7317.2	6744.1	5383.1	4831.8	4668.4	4707.4	4714.7	4853.8	5444.0	6970.9
35°	7729.4	7602.6	6897.7	5517.2	5534.3	5809.9	5951.4	5761.1	5295.2	5541.6	7234.3
37.5°	8205.1	8044.1	7209.9	6097.7	6985.5	7602.6	7944.1	7509.9	6636.7	5909.9	7631.9
40°	8783.1	8578.2	7609.9	7170.9	8341.7	9329.5	9936.8	9300.2	8017.3	6829.4	8190.4
42.5°	9590.5	9375.8	8385.6	8224.6	9597.8	11068.5	11861.2	10912.4	9234.4	8017.3	9085.6
45°	10997.8	10790.5	9807.5	9280.7	11068.5	13210.1	14322.3	13002.7	10471.0	9210.0	10758.8
47.5°	13597.9	13354.0	11919.8	10451.5	12746.6	15990.6	17546.7	15624.7	11756.4	10575.9	13568.6
50°	16719.9	16485.7	14571.1	11836.9	14600.3	18963.8	21127.3	18705.3	13236.9	12236.9	16927.2
52.5°	20476.1	20432.2	18354.1	13588.1	16529.6	22134.7	25100.6	22117.6	14858.9	14473.5	20732.2
55°	23861.5	24290.8	23159.1	16258.9	19022.4	26117.7	29186.0	25839.6	17058.9	18171.1	25188.4
57.5°	25686.0	26839.6	28578.7	21707.8	22646.9	30878.8	34227.6	30383.6	20839.5	24327.4	29320.2
60°	24481.0	25788.4	28939.7	25810.3	26242.1	34693.5	38388.7	34203.2	24551.8	28600.7	29086.0
62.5°	22476.1	23649.3	26451.8	23415.2	26798.2	35532.5	38486.2	34869.1	26027.4	26432.3	26273.8
65°	20098.0	21281.0	24249.3	20439.5	25029.8	33539.8	35647.2	32910.5	23376.1	23881.0	23939.6
67.5°	16939.4	18032.1	21054.1	18173.6	22815.2	30615.3	31288.5	30120.2	21527.3	22332.2	21490.7
70°	12656.4	13641.8	16310.1	14768.6	19232.1	26805.5	26261.6	26434.8	19451.7	20251.7	17951.6
72.5°	8649.0	9390.5	11678.3	11605.1	14727.2	21459.0	20700.5	22342.0	16246.7	17307.7	13685.7
75°	6048.9	6627.0	8441.7	9168.5	11132.0	15905.2	14741.8	16722.3	12688.1	14202.8	9985.6
77.5°	3712.3	4095.2	5331.8	6792.8	7161.1	10885.6	9156.3	12583.2	8910.0	10358.8	6661.1
80°	1856.1	2041.5	2590.3	4270.8	4748.9	6414.8	5056.2	7305.0	6029.4	6414.8	3685.5
82.5°	561.0	619.5	758.6	1622.0	2461.0	3692.8	2987.9	4244.0	3292.8	3007.4	1451.3
85°	148.8	168.3	209.8	480.5	863.4	1324.4	1009.8	2056.1	1578.1	1109.8	546.4
87.5°	12.2	12.2	9.8	9.8	4.9	0.0	0.0	146.3	295.1	168.3	95.1
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°	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7
2.5°	4656.2	4646.4	4546.4	4473.3	4387.9	4305.0	4219.6	4144.0	4058.6	3973.3	3948.9
5°	5031.8	4963.5	4751.3	4573.3	4397.7	4244.0	4109.9	3970.8	3858.6	3748.9	3707.4
7.5°	5363.5	5244.0	4936.7	4666.0	4422.1	4231.8	4034.2	3831.8	3673.3	3517.2	3478.1
10°	5663.5	5505.0	5117.2	4775.7	4505.0	4287.9	4056.2	3785.5	3556.2	3365.9	3314.7
12.5°	5885.5	5712.3	5273.3	4880.6	4573.3	4329.4	4100.1	3861.1	3619.6	3373.2	3317.1
15°	6061.1	5880.6	5402.6	4961.1	4575.7	4261.1	4039.1	3956.2	3880.6	3639.1	3536.7
17.5°	6202.6	6012.3	5514.8	5009.9	4509.9	4053.8	3861.1	3983.0	4175.7	4024.5	3831.8
20°	6331.9	6139.2	5600.1	5044.0	4363.5	3768.4	3661.1	3919.6	4209.9	4205.0	4031.8
22.5°	6473.3	6285.5	5724.5	5063.5	4158.6	3478.1	3541.5	3826.9	4063.5	4134.2	4026.9
25°	6653.8	6488.0	5897.7	5107.4	3926.9	3278.1	3453.7	3707.4	3905.0	3922.0	3858.6
27.5°	6863.6	6739.2	6156.2	5209.9	3702.5	3175.7	3351.3	3539.1	3719.6	3726.9	3651.3
30°	7092.8	7009.9	6395.3	5295.2	3534.2	3144.0	3219.6	3370.8	3485.4	3505.0	3439.1
32.5°	7385.5	7312.4	6607.5	5239.1	3434.2	3136.7	3097.6	3175.7	3270.8	3270.8	3219.6
35°	7788.0	7685.5	6831.9	5024.5	3312.3	3107.4	2968.4	2990.3	3031.8	3039.1	3009.8
37.5°	8358.7	8190.4	7058.7	4600.1	3112.3	3002.5	2819.6	2792.7	2807.4	2826.9	2819.6
40°	9066.1	8790.4	7390.4	4090.3	2873.2	2800.1	2665.9	2614.7	2602.5	2641.5	2656.2
42.5°	9956.3	9534.4	7746.5	3614.7	2656.2	2568.4	2485.4	2441.5	2422.0	2487.9	2526.9
45°	11378.3	10683.2	8088.0	3144.0	2534.2	2370.8	2314.7	2283.0	2292.7	2370.8	2419.6
47.5°	13834.5	12436.9	8412.4	2846.4	2524.4	2229.3	2161.0	2168.3	2195.2	2278.1	2336.6
50°	16941.9	14785.7	8629.5	2722.0	2553.7	2144.0	2053.7	2092.7	2134.2	2214.7	2283.0
52.5°	20105.3	16973.6	8370.9	2653.7	2551.3	2146.4	1953.7	2070.8	2090.3	2170.8	2244.0
55°	22281.0	17217.5	7231.9	2548.8	2512.3	2244.0	1875.7	2061.0	2073.2	2146.4	2212.2
57.5°	23110.3	16383.3	5514.8	2578.1	2395.2	2319.6	1841.5	1992.7	2080.5	2144.0	2212.2
60°	22107.8	14810.1	3351.3	2653.7	2207.4	2314.7	1863.5	1868.3	2019.6	2126.9	2195.2
62.5°	20217.5	12790.5	2353.7	2439.1	2070.8	2185.4	1914.7	1722.0	1912.2	2041.5	2102.5
65°	18051.6	10414.9	1795.2	2100.0	2004.9	1985.4	1931.8	1592.7	1765.9	1892.7	1946.4
67.5°	15795.5	8095.3	1458.6	1565.9	1812.2	1795.2	1765.9	1478.1	1592.7	1683.0	1743.9
70°	12954.0	5663.5	1231.7	1175.6	1553.7	1609.8	1543.9	1334.2	1370.8	1463.4	1512.2
72.5°	9475.8	3529.3	1012.2	970.8	1248.8	1407.3	1373.2	1175.6	1192.7	1280.5	1319.5
75°	6814.8	2019.6	812.2	800.0	953.7	1204.9	1136.6	1012.2	1031.7	1097.6	1124.4
77.5°	4331.8	1124.4	626.8	643.9	682.9	900.0	970.8	865.9	865.9	904.9	926.9
80°	2319.6	643.9	458.5	465.9	478.1	687.8	765.9	670.7	670.7	643.9	670.7
82.5°	946.4	370.7	314.6	292.7	319.5	470.7	536.6	426.8	446.4	402.4	412.2
85°	312.2	185.4	156.1	153.7	151.2	207.3	258.5	212.2	253.7	161.0	168.3
87.5°	41.5	34.1	19.5	14.6	17.1	7.3	14.6	17.1	17.1	12.2	12.2
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°	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7
2.5°	3931.8	3912.3	3841.6	3858.6	3846.4	3826.9	3846.4	3809.8	3839.1	3848.9	3909.8
5°	3675.7	3629.4	3561.1	3526.9	3519.6	3500.1	3502.5	3485.4	3490.3	3531.8	3600.1
7.5°	3446.4	3402.5	3348.9	3324.5	3302.5	3280.6	3278.1	3275.7	3295.2	3331.8	3397.6
10°	3280.6	3256.2	3234.2	3244.0	3234.2	3224.5	3207.4	3207.4	3239.1	3305.0	3385.4
12.5°	3280.6	3275.7	3280.6	3309.8	3307.4	3309.8	3287.9	3300.1	3387.9	3500.1	3614.7
15°	3456.2	3417.2	3417.2	3431.8	3426.9	3426.9	3426.9	3478.1	3678.1	3851.3	3973.3
17.5°	3670.8	3556.2	3507.4	3500.1	3497.6	3497.6	3507.4	3617.2	3929.4	4112.3	4183.0
20°	3819.6	3602.5	3522.0	3490.3	3492.8	3497.6	3526.9	3678.1	4022.0	4114.7	4097.7
22.5°	3846.4	3565.9	3468.4	3422.0	3429.3	3434.2	3478.1	3639.1	3895.2	3909.8	3875.7
25°	3722.0	3463.5	3358.6	3322.0	3331.8	3329.3	3368.4	3485.4	3668.4	3663.5	3644.0
27.5°	3536.7	3300.1	3222.0	3197.6	3214.7	3195.2	3207.4	3297.6	3439.1	3434.2	3426.9
30°	3346.4	3141.5	3070.8	3058.6	3080.6	3051.3	3053.7	3129.3	3226.9	3222.0	3219.6
32.5°	3156.2	2983.0	2919.6	2919.6	2941.5	2909.8	2914.7	2980.6	3046.4	3026.9	3026.9
35°	2975.7	2853.7	2802.5	2792.7	2809.8	2787.9	2797.6	2858.6	2883.0	2856.2	2839.1
37.5°	2817.1	2763.5	2712.3	2678.1	2680.5	2683.0	2712.3	2758.6	2744.0	2704.9	2683.0
40°	2670.8	2670.8	2622.0	2558.6	2551.3	2568.4	2617.1	2668.4	2626.9	2583.0	2556.2
42.5°	2565.9	2587.9	2541.5	2478.1	2463.5	2492.7	2546.4	2583.0	2534.2	2485.4	2448.8
45°	2468.3	2522.0	2490.3	2419.6	2400.1	2434.2	2502.5	2517.1	2451.3	2404.9	2378.1
47.5°	2400.1	2473.2	2451.3	2383.0	2353.7	2402.5	2473.2	2470.8	2387.9	2339.1	2317.1
50°	2351.3	2444.0	2441.5	2383.0	2351.3	2412.3	2475.7	2444.0	2353.7	2302.5	2280.5
52.5°	2312.2	2441.5	2458.6	2424.4	2402.5	2456.2	2495.2	2434.2	2329.3	2275.7	2258.6
55°	2295.2	2451.3	2463.5	2431.8	2412.3	2461.0	2495.2	2453.7	2329.3	2280.5	2265.9
57.5°	2300.1	2439.1	2441.5	2397.6	2363.5	2424.4	2478.1	2465.9	2356.2	2300.1	2283.0
60°	2270.8	2373.2	2378.1	2309.8	2270.8	2344.0	2439.1	2431.8	2344.0	2285.4	2253.7
62.5°	2173.2	2263.5	2265.9	2202.5	2146.4	2251.3	2356.2	2353.7	2273.2	2214.7	2178.1
65°	2009.8	2104.9	2129.3	2068.3	2024.4	2136.6	2246.4	2241.5	2161.0	2107.4	2070.8
67.5°	1807.4	1909.8	1956.1	1914.7	1897.6	2000.0	2102.5	2100.0	2034.2	1983.0	1951.3
70°	1561.0	1646.4	1724.4	1724.4	1712.2	1829.3	1939.1	1929.3	1868.3	1829.3	1804.9
72.5°	1356.1	1422.0	1446.4	1470.8	1507.4	1629.3	1722.0	1729.3	1685.4	1665.9	1685.4
75°	1153.7	1195.1	1217.1	1197.6	1261.0	1387.8	1509.8	1522.0	1475.6	1443.9	1451.3
77.5°	948.8	995.1	1017.1	973.2	968.3	1129.3	1278.1	1304.9	1265.9	1217.1	1231.7
80°	685.4	746.4	782.9	753.7	743.9	814.7	1019.5	1048.8	1012.2	973.2	995.1
82.5°	419.5	453.7	463.4	492.7	553.7	582.9	656.1	753.7	726.8	692.7	753.7
85°	165.9	197.6	219.5	248.8	290.3	343.9	404.9	482.9	439.0	424.4	500.0
87.5°	9.8	2.4	0.0	4.9	41.5	80.5	173.2	239.0	200.0	214.6	258.5
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7	4275.7
2.5°	3958.6	4022.0	4107.4	4178.1	4268.4	4353.8	4441.6	4529.4	4575.7	4595.2
5°	3678.1	3795.2	3931.8	4083.0	4258.6	4444.0	4631.8	4824.5	4946.5	4956.2
7.5°	3509.8	3678.1	3865.9	4056.2	4273.3	4529.4	4826.9	5124.5	5248.9	5283.0
10°	3563.5	3751.3	3900.1	4078.1	4317.2	4636.7	4987.9	5336.7	5480.6	5522.1
12.5°	3778.1	3814.7	3861.1	4024.5	4317.2	4729.4	5153.8	5568.4	5722.1	5761.1
15°	3956.2	3780.6	3697.6	3870.8	4258.6	4809.9	5329.4	5787.9	5973.3	6009.9
17.5°	3970.8	3668.4	3487.9	3644.0	4156.2	4866.0	5497.7	6031.8	6187.9	6222.1
20°	3822.0	3548.9	3314.7	3409.8	4017.2	4890.4	5619.6	6209.9	6363.6	6397.7
22.5°	3653.7	3451.3	3197.6	3192.8	3848.9	4917.2	5766.0	6378.2	6544.1	6566.0
25°	3495.2	3317.1	3102.5	3034.2	3653.7	4968.4	5963.6	6631.9	6758.7	6766.0
27.5°	3309.8	3173.2	3026.9	2961.0	3483.0	5066.0	6256.2	6934.3	7009.9	6997.7
30°	3141.5	3039.1	2973.2	2953.7	3375.7	5139.1	6534.3	7231.9	7236.8	7195.3
32.5°	2963.5	2924.5	2924.5	2987.9	3287.9	5122.1	6761.1	7522.1	7475.8	7414.8
35°	2804.9	2812.3	2863.5	3012.3	3141.5	4951.3	6978.2	7885.5	7817.3	7729.4
37.5°	2653.7	2709.8	2783.0	2926.9	2948.8	4697.7	7231.9	8400.2	8314.8	8205.1
40°	2524.4	2609.8	2695.2	2765.9	2744.0	4336.7	7585.5	9005.1	8910.0	8783.1
42.5°	2422.0	2504.9	2600.1	2607.4	2614.7	3961.1	7961.2	9746.6	9729.5	9590.5
45°	2356.2	2409.8	2500.1	2487.9	2607.4	3546.4	8307.5	10878.3	11102.7	10997.8
47.5°	2312.2	2353.7	2363.5	2414.7	2670.8	3175.7	8753.9	13093.0	13717.4	13597.9
50°	2287.9	2329.3	2219.6	2419.6	2680.5	2936.7	9370.9	15873.5	16878.4	16719.9
52.5°	2285.4	2275.7	2109.8	2470.8	2626.9	2790.3	9692.9	17902.8	20132.2	20476.1
55°	2290.3	2168.3	2053.7	2485.4	2519.6	2736.6	8614.8	18878.5	23134.7	23861.5
57.5°	2246.4	2051.3	2085.4	2426.9	2317.1	2880.6	6368.4	18529.7	24334.7	25686.0
60°	2163.5	1939.1	2144.0	2268.3	2109.8	2634.2	4385.5	16973.6	23090.8	24481.0
62.5°	2043.9	1861.0	2136.6	2063.5	2034.2	2156.1	3014.7	14795.5	21117.6	22476.1
65°	1909.8	1797.6	2022.0	1865.9	1883.0	1658.6	2131.8	12336.9	18761.4	20098.0
67.5°	1765.9	1758.6	1853.7	1661.0	1590.3	1314.7	1553.7	9888.0	15734.5	16939.4
70°	1602.5	1656.1	1685.4	1475.6	1290.3	1031.7	1153.7	6914.8	11607.6	12656.4
72.5°	1439.1	1443.9	1485.4	1283.0	965.9	826.8	865.9	4187.9	7885.5	8649.0
75°	1273.2	1226.9	1265.9	1043.9	719.5	678.1	668.3	2587.9	5446.5	6048.9
77.5°	1095.1	1043.9	992.7	785.4	578.1	524.4	512.2	1451.3	3341.5	3712.3
80°	890.3	822.0	741.5	575.6	422.0	375.6	373.2	707.3	1665.9	1856.1
82.5°	692.7	563.4	541.5	358.5	261.0	229.3	243.9	270.7	502.5	561.0
85°	485.4	409.8	287.8	143.9	117.1	95.1	92.7	80.5	134.1	148.8
87.5°	270.7	178.1	92.7	17.1	19.5	22.0	17.1	12.2	12.2	12.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)