

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: P638757

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P638757  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4F-740-U-SLL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (64) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

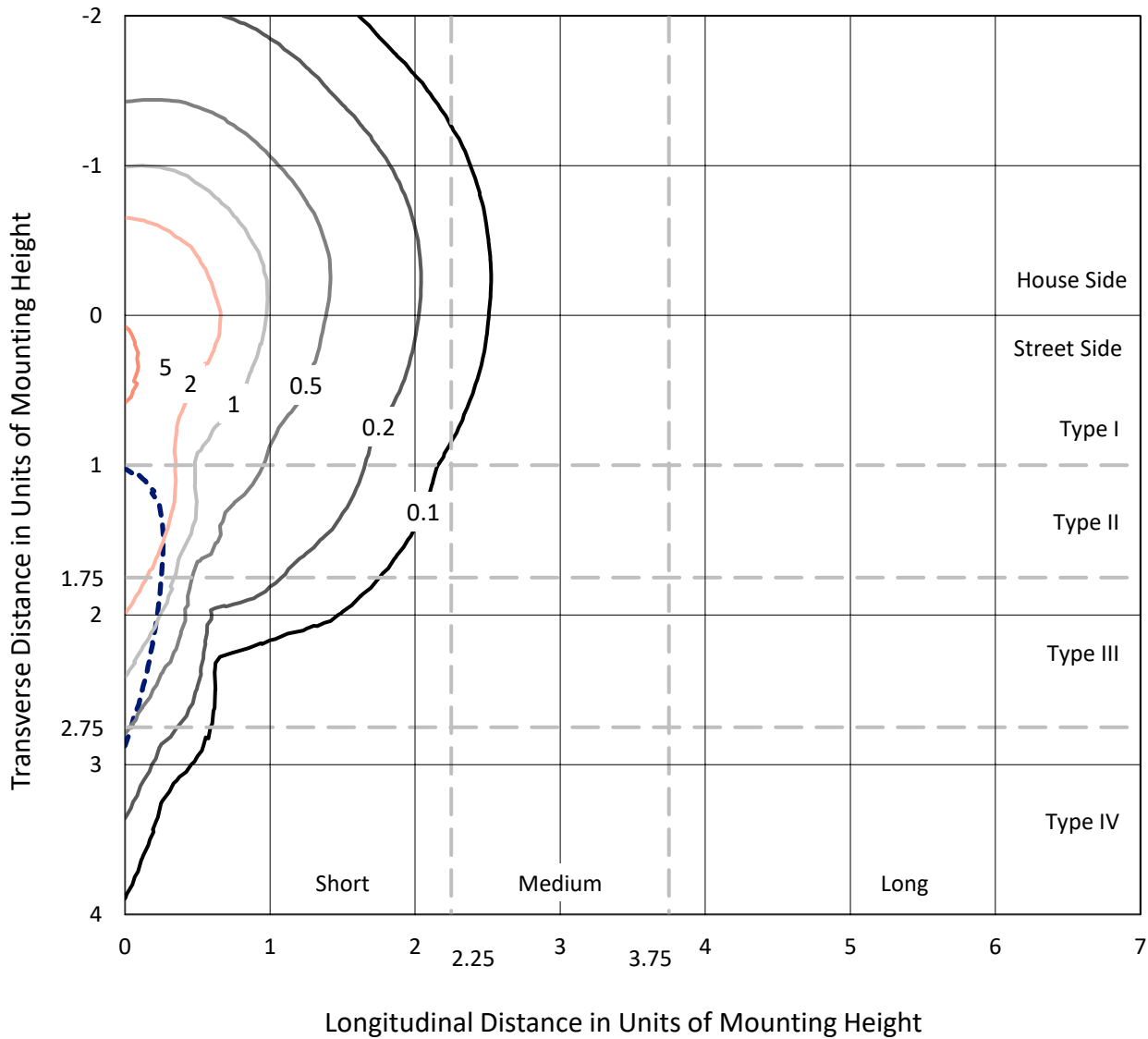
Lumens per Lamp: N/A  
Luminaire Lumens: 31889.1 lumens  
Efficiency: N/A  
Efficacy: 141.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 225.3  
Input Voltage (V): 120  
Input Current (Ain): 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

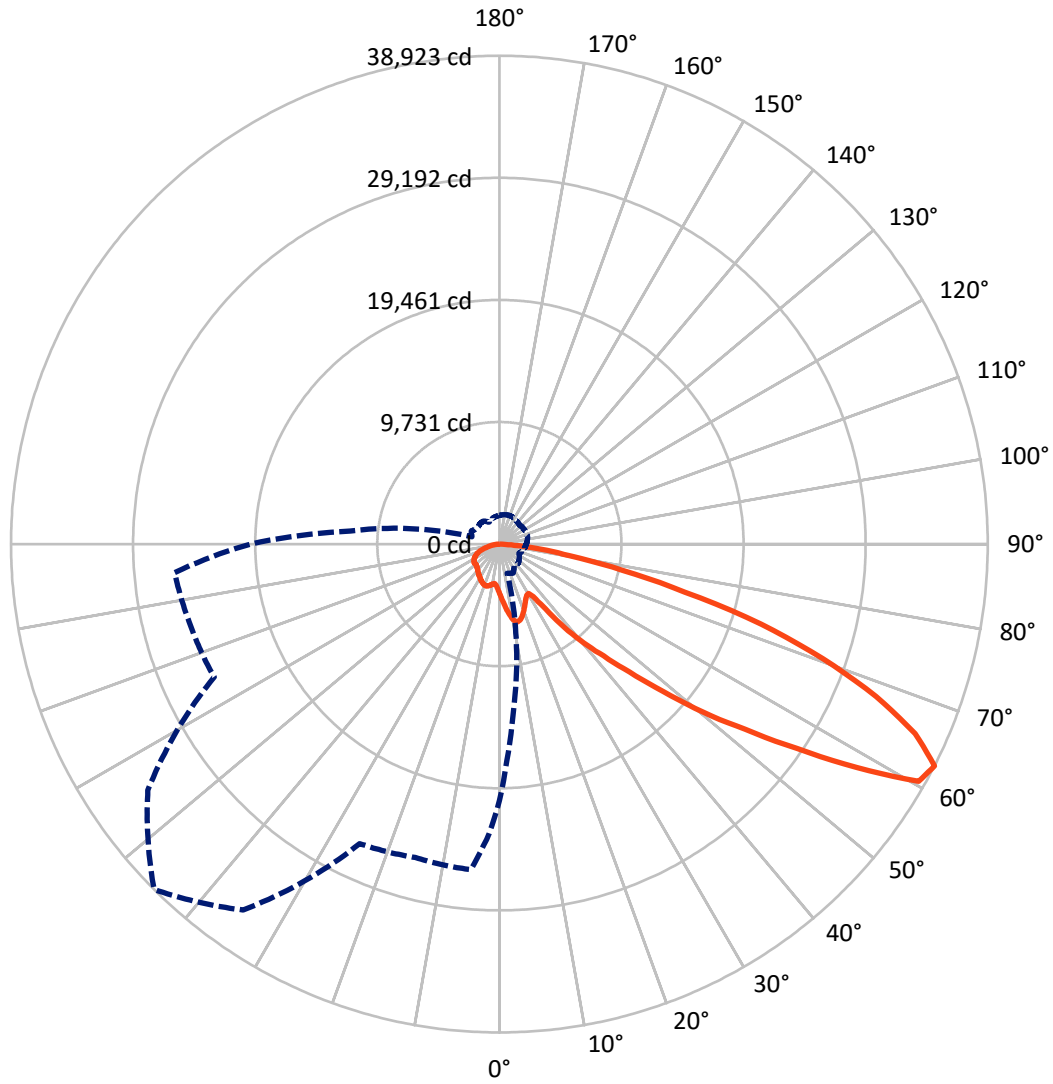
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7624.7	0.0	7624.7
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	24264.4	0.0	24264.4
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	31889.1	0.0	31889.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	391.7	1.2
10°-20°	1273.0	4.0
20°-30°	2003.9	6.3
30°-40°	2746.8	8.6
40°-50°	4285.9	13.4
50°-60°	7389.7	23.2
60°-70°	8563.7	26.9
70°-80°	4520.3	14.2
80°-90°	714.1	2.2
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°	31889.1	100.0
0°-180°	31889.1	100.0

**Coefficient of Utilization**



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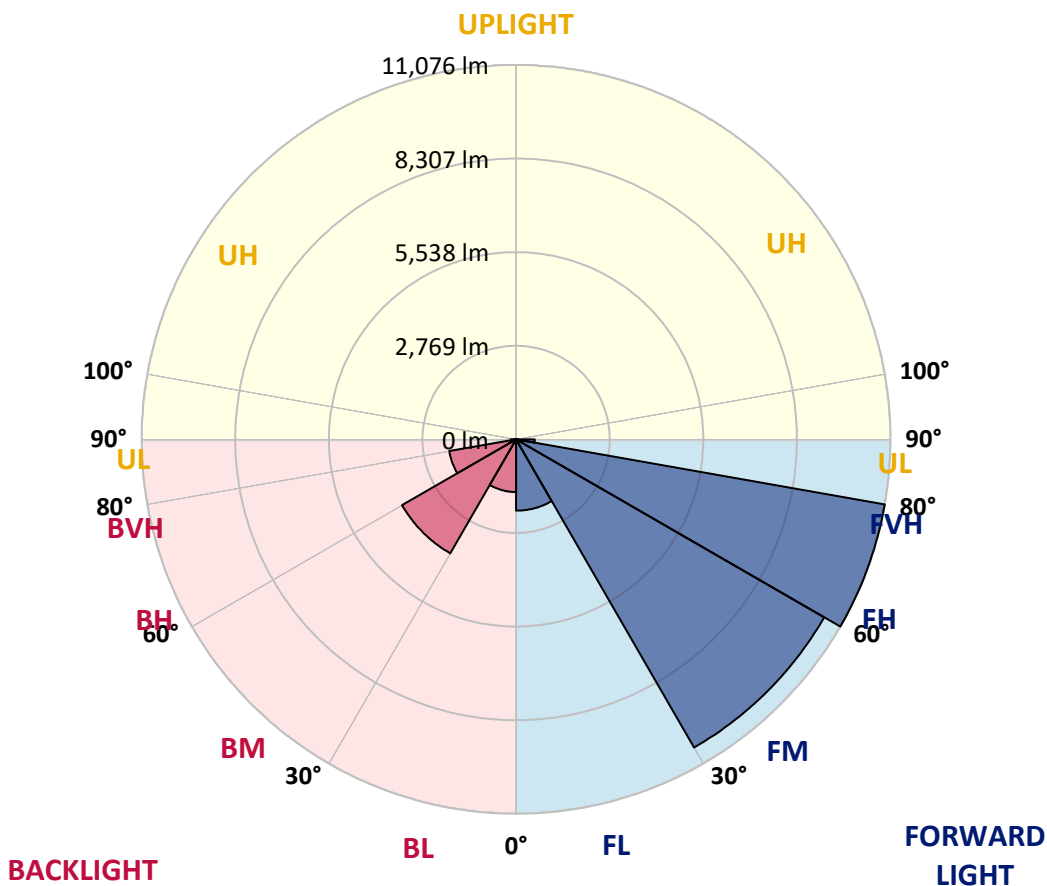
CATALOG NUMBER: GWS-SA4F-740-U-SLL-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2109.1	6.6			
FM (30°-60°)	10527.7	33.0			
FH (60°-80°)	11076.4	34.7			G4/12000
FVH (80°-90°)	551.2	1.7			G4/750
BL (0°-30°)	1559.5	4.9	B3/2500		
BM (30°-60°)	3894.7	12.2	B3/5000		
BH (60°-80°)	2007.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	162.9	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°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9
2.5°	4319.8	4302.8	4278.4	4195.4	4144.2	4085.7	4024.7	3954.0	3873.5	3817.4	3761.3
5°	4685.7	4658.9	4600.3	4402.8	4266.2	4117.4	3993.0	3851.5	3712.5	3617.3	3522.2
7.5°	5037.0	5002.8	4912.6	4610.1	4388.1	4173.5	3985.7	3780.8	3573.4	3432.0	3319.8
10°	5388.2	5317.5	5202.8	4807.7	4515.0	4266.2	4051.5	3800.3	3524.7	3332.0	3212.4
12.5°	5656.5	5590.7	5466.3	4988.2	4641.8	4329.6	4088.1	3856.4	3622.2	3417.3	3295.4
15°	5907.8	5822.4	5680.9	5156.5	4746.7	4327.2	4014.9	3812.5	3778.3	3727.1	3568.6
17.5°	6088.3	6010.2	5863.9	5293.1	4805.2	4251.5	3812.5	3693.0	3846.6	4002.7	3851.5
20°	6246.8	6156.6	6007.8	5388.2	4817.4	4083.2	3566.1	3568.6	3810.0	4024.7	3988.1
22.5°	6381.0	6281.0	6149.2	5495.5	4812.6	3849.1	3351.5	3497.8	3739.3	3907.6	3912.5
25°	6546.8	6463.9	6354.1	5654.1	4812.6	3610.0	3195.4	3412.5	3619.8	3761.3	3756.4
27.5°	6749.3	6693.2	6602.9	5895.6	4856.5	3410.0	3107.6	3302.7	3466.1	3588.1	3585.6
30°	6976.1	6924.9	6856.6	6151.7	4932.1	3261.2	3058.8	3166.1	3285.6	3383.2	3383.2
32.5°	7207.9	7188.3	7115.2	6356.6	4873.5	3214.9	3017.3	3029.5	3092.9	3173.4	3166.1
35°	7529.8	7510.3	7417.6	6515.1	4619.9	3149.0	2951.4	2890.5	2897.8	2949.0	2966.1
37.5°	8000.6	7971.3	7834.7	6700.5	4236.9	2983.2	2844.1	2744.1	2722.2	2744.1	2775.8
40°	8568.9	8525.0	8339.7	6951.7	3795.4	2758.7	2675.8	2592.9	2556.3	2563.6	2600.2
42.5°	9281.2	9188.5	8922.6	7217.6	3358.8	2561.2	2488.0	2436.8	2395.3	2390.4	2461.2
45°	10437.4	10183.7	9761.7	7454.2	2990.5	2456.3	2319.7	2283.1	2249.0	2268.5	2351.4
47.5°	12457.0	11988.7	11166.7	7656.7	2766.1	2458.7	2185.5	2146.5	2144.1	2183.1	2275.8
50°	15232.9	14557.2	13288.8	7793.3	2649.0	2488.0	2105.0	2041.6	2088.0	2127.0	2214.8
52.5°	17891.6	16859.8	15349.9	7790.8	2597.8	2492.9	2127.0	1944.0	2088.0	2097.7	2180.7
55°	20162.5	18294.1	15906.1	6990.8	2524.6	2473.4	2212.4	1868.4	2061.1	2097.7	2163.6
57.5°	21967.5	19206.3	15864.6	5646.8	2746.5	2366.0	2263.6	1851.4	1983.1	2102.6	2178.2
60°	21767.5	18789.2	14842.6	3466.1	2724.6	2175.8	2256.3	1883.1	1851.4	2036.7	2161.1
62.5°	20438.1	17294.0	13083.9	2405.1	2558.7	2066.0	2136.7	1939.2	1729.4	1941.6	2078.2
65°	18577.0	15364.6	10903.3	1844.0	2119.7	2070.9	1934.3	1900.1	1622.1	1790.4	1936.7
67.5°	16115.9	12971.7	8608.0	1461.1	1478.2	1792.8	1756.2	1687.9	1522.1	1656.2	1787.9
70°	12115.6	9466.6	5922.4	1175.7	1119.6	1497.7	1578.2	1517.2	1424.5	1463.5	1602.6
72.5°	8537.2	6181.0	3244.1	931.8	863.5	1151.3	1370.8	1361.1	1258.6	1287.9	1424.5
75°	6344.4	4373.5	2027.0	736.6	702.5	824.5	1148.9	1178.1	1092.8	1126.9	1231.8
77.5°	4222.3	2831.9	1126.9	546.4	546.4	602.5	856.2	992.8	929.3	956.2	1029.3
80°	2329.4	1441.6	563.5	358.6	368.3	414.7	624.4	714.7	717.1	783.0	802.5
82.5°	736.6	458.6	251.2	209.8	197.6	236.6	402.5	512.2	478.1	609.8	561.0
85°	168.3	107.3	46.3	46.3	51.2	78.1	153.7	273.2	348.8	419.5	304.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	107.3	158.5	141.5
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9
2.5°	3727.1	3678.3	3663.7	3622.2	3617.3	3578.3	3563.7	3563.7	3580.8	3580.8	3597.8
5°	3483.2	3422.2	3388.1	3339.3	3327.1	3297.8	3278.3	3280.7	3302.7	3317.3	3346.6
7.5°	3268.5	3227.1	3202.7	3180.7	3175.8	3171.0	3149.0	3146.6	3153.9	3175.8	3197.8
10°	3178.3	3149.0	3156.3	3173.4	3200.2	3214.9	3195.4	3185.6	3178.3	3192.9	3212.4
12.5°	3266.1	3236.8	3251.5	3280.7	3317.3	3332.0	3324.6	3322.2	3329.5	3385.6	3427.1
15°	3458.8	3402.7	3383.2	3395.4	3424.6	3439.3	3432.0	3441.7	3488.1	3634.4	3739.3
17.5°	3697.8	3561.2	3483.2	3461.2	3473.4	3485.6	3485.6	3510.0	3590.5	3805.2	3936.9
20°	3827.1	3649.1	3517.3	3463.7	3468.6	3480.8	3480.8	3514.9	3605.2	3834.4	3919.8
22.5°	3793.0	3629.5	3468.6	3410.0	3412.5	3422.2	3422.2	3451.5	3532.0	3734.4	3773.5
25°	3658.8	3514.9	3356.4	3305.1	3310.0	3327.1	3322.2	3339.3	3400.3	3566.1	3588.1
27.5°	3497.8	3371.0	3214.9	3175.8	3197.8	3232.0	3202.7	3205.1	3261.2	3400.3	3402.7
30°	3324.6	3219.8	3080.7	3051.5	3092.9	3110.0	3083.2	3083.2	3139.3	3234.4	3232.0
32.5°	3136.8	3071.0	2971.0	2939.2	2985.6	3012.4	2978.3	2983.2	3027.1	3090.5	3066.1
35°	2961.2	2927.1	2880.7	2858.8	2888.0	2912.4	2890.5	2900.2	2941.7	2958.8	2924.6
37.5°	2792.9	2788.0	2792.9	2792.9	2800.2	2807.5	2792.9	2817.3	2853.9	2831.9	2792.9
40°	2646.5	2666.1	2712.4	2700.2	2692.9	2700.2	2690.4	2731.9	2768.5	2729.5	2683.1
42.5°	2524.6	2561.2	2631.9	2631.9	2617.3	2622.1	2617.3	2668.5	2695.3	2641.7	2590.4
45°	2419.7	2473.4	2563.6	2575.8	2551.4	2551.4	2561.2	2624.6	2634.3	2561.2	2507.5
47.5°	2346.5	2412.4	2514.8	2536.8	2500.2	2497.7	2524.6	2592.9	2592.9	2507.5	2446.5
50°	2295.3	2368.5	2490.4	2519.7	2483.1	2473.4	2517.3	2583.1	2568.5	2466.0	2405.1
52.5°	2261.1	2336.8	2488.0	2529.5	2505.1	2495.3	2539.2	2585.6	2549.0	2439.2	2375.8
55°	2239.2	2322.1	2495.3	2529.5	2502.6	2485.6	2529.5	2570.9	2551.4	2424.6	2363.6
57.5°	2251.4	2334.3	2485.6	2502.6	2470.9	2441.6	2492.9	2551.4	2544.1	2429.5	2368.5
60°	2231.9	2307.5	2431.9	2436.8	2383.1	2336.8	2412.4	2500.2	2500.2	2412.4	2358.7
62.5°	2141.6	2217.2	2327.0	2331.9	2270.9	2219.7	2307.5	2412.4	2409.9	2339.2	2283.1
65°	1992.8	2063.6	2188.0	2200.2	2139.2	2085.5	2175.8	2273.3	2280.7	2217.2	2168.5
67.5°	1829.4	1892.8	1985.5	2034.3	1983.1	1927.0	2009.9	2102.6	2100.2	2024.5	1973.3
70°	1634.3	1692.8	1778.2	1819.6	1787.9	1734.3	1809.9	1858.7	1836.7	1800.1	1766.0
72.5°	1441.6	1497.7	1578.2	1578.2	1544.0	1492.8	1514.7	1602.6	1629.4	1602.6	1580.6
75°	1239.1	1287.9	1344.0	1356.2	1280.6	1187.9	1290.3	1366.0	1397.7	1385.5	1358.6
77.5°	1031.8	1068.4	1151.3	1129.4	987.9	939.1	1022.0	1134.2	1156.2	1148.9	1112.3
80°	795.2	817.1	904.9	861.0	751.3	719.6	756.2	844.0	848.8	824.5	778.1
82.5°	534.2	563.5	622.0	536.6	534.2	504.9	475.6	485.4	529.3	524.4	492.7
85°	273.2	287.8	343.9	322.0	275.6	239.0	226.8	241.5	217.1	197.6	170.7
87.5°	114.6	124.4	170.7	95.1	29.3	0.0	0.0	14.6	22.0	31.7	34.1
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9
2.5°	3636.9	3663.7	3729.6	3812.5	3893.0	3975.9	4066.2	4122.3	4190.6	4278.4	4280.8
5°	3383.2	3444.2	3539.3	3666.1	3797.8	3949.1	4124.7	4271.1	4446.7	4585.7	4641.8
7.5°	3227.1	3314.9	3434.4	3595.4	3768.6	3956.4	4185.7	4432.0	4719.9	4905.2	5015.0
10°	3241.7	3375.9	3495.4	3632.0	3788.1	3990.5	4285.7	4612.5	4966.2	5210.2	5346.7
12.5°	3502.7	3644.2	3622.2	3614.9	3719.8	3966.2	4366.2	4795.5	5227.2	5471.1	5634.6
15°	3832.0	3885.7	3678.3	3522.2	3585.6	3878.3	4410.1	4958.9	5444.3	5741.9	5902.9
17.5°	4000.3	3893.0	3641.7	3407.6	3390.5	3744.2	4432.0	5124.8	5688.2	5985.8	6156.6
20°	3922.2	3766.1	3553.9	3332.0	3210.0	3561.2	4419.8	5256.5	5910.2	6241.9	6381.0
22.5°	3753.9	3617.3	3451.5	3239.3	3063.6	3361.2	4388.1	5388.2	6107.8	6442.0	6563.9
25°	3571.0	3468.6	3332.0	3146.6	2980.7	3185.6	4366.2	5563.8	6334.6	6654.2	6732.2
27.5°	3388.1	3312.4	3200.2	3056.3	2961.2	3063.6	4373.5	5793.1	6627.3	6929.8	6898.1
30°	3207.6	3141.7	3063.6	3000.2	2958.8	3034.4	4354.0	6037.0	6949.3	7229.8	7042.0
32.5°	3036.8	2975.8	2927.1	2936.8	2961.2	3046.6	4254.0	6259.0	7244.5	7483.5	7198.1
35°	2890.5	2827.0	2827.0	2861.2	2951.4	3005.1	3995.4	6432.2	7571.3	7810.3	7420.1
37.5°	2753.9	2697.8	2734.4	2790.5	2875.8	2892.9	3663.7	6600.5	8047.0	8271.4	7764.0
40°	2634.3	2578.2	2644.1	2714.8	2758.7	2751.4	3327.1	6834.7	8608.0	8839.7	8220.1
42.5°	2539.2	2488.0	2546.5	2636.8	2644.1	2651.4	3080.7	7059.1	9259.2	9554.4	9005.6
45°	2461.2	2424.6	2453.8	2544.1	2544.1	2656.3	2927.1	7246.9	10239.8	10761.8	10447.1
47.5°	2400.2	2378.2	2392.9	2422.1	2470.9	2744.1	2829.5	7390.8	12025.3	13049.8	12732.7
50°	2366.0	2344.1	2363.6	2302.6	2449.0	2788.0	2797.8	7500.6	14379.1	15984.1	15591.4
52.5°	2336.8	2329.4	2341.6	2200.2	2497.7	2758.7	2773.4	7354.2	15957.3	18872.2	19260.0
55°	2327.0	2331.9	2273.3	2124.6	2556.3	2661.2	2700.2	6307.8	16386.6	21362.6	23770.1
57.5°	2331.9	2317.2	2168.5	2131.9	2558.7	2466.0	2805.1	4500.3	15762.2	22445.6	28182.6
60°	2314.8	2241.6	2041.6	2197.7	2446.5	2236.8	2729.5	2934.4	14115.7	21613.8	28438.7
62.5°	2239.2	2131.9	1931.9	2234.3	2246.5	2100.2	2478.2	2261.1	11920.4	19833.2	25970.3
65°	2129.4	1985.5	1839.2	2158.7	2044.1	2036.7	1863.6	1812.3	9586.1	17713.5	23628.6
67.5°	1948.9	1805.0	1770.9	1985.5	1839.2	1805.0	1497.7	1502.6	7649.4	15454.8	21274.8
70°	1744.0	1600.1	1627.0	1795.3	1636.7	1500.1	1212.3	1251.3	5802.9	12876.6	18101.4
72.5°	1609.9	1417.2	1419.6	1580.6	1439.1	1214.7	997.6	1031.8	3683.2	9705.6	14391.3
75°	1358.6	1248.9	1195.2	1280.6	1222.0	946.4	839.1	831.8	2183.1	6956.6	10776.4
77.5°	1134.2	1048.9	1022.0	1056.2	912.3	700.1	675.7	663.5	1236.7	4456.4	7061.5
80°	822.0	800.1	797.6	814.7	702.5	514.7	514.7	517.1	665.9	2419.7	3980.8
82.5°	522.0	570.8	504.9	561.0	478.1	365.9	341.5	387.8	383.0	1031.8	1678.2
85°	217.1	297.6	278.1	295.1	226.8	200.0	214.7	231.7	222.0	397.6	653.7
87.5°	41.5	48.8	53.7	51.2	51.2	63.4	70.7	85.4	85.4	114.6	197.6
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°	358°	360°
0°	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9	3975.9
2.5°	4373.5	4444.2	4429.6	4461.3	4419.8	4434.5	4351.5	4329.6	4315.0	4319.8
5°	4822.3	4966.2	4993.1	5046.7	5010.1	5010.1	4863.8	4754.0	4715.0	4685.7
7.5°	5278.4	5485.8	5622.4	5637.0	5617.5	5578.5	5366.3	5168.7	5097.9	5037.0
10°	5683.4	5932.2	6085.8	6159.0	6122.4	6061.4	5798.0	5527.2	5441.9	5388.2
12.5°	5993.1	6212.7	6315.1	6363.9	6359.0	6337.1	6122.4	5829.7	5739.5	5656.5
15°	6193.2	6302.9	6263.9	6261.4	6295.6	6383.4	6317.6	6088.3	5983.4	5907.8
17.5°	6322.4	6217.5	6044.4	5963.9	6037.0	6244.4	6395.6	6266.3	6171.2	6088.3
20°	6368.8	5995.6	5744.3	5595.5	5680.9	5980.9	6354.1	6395.6	6315.1	6246.8
22.5°	6315.1	5724.8	5383.3	5207.7	5290.6	5649.2	6232.2	6500.5	6446.8	6381.0
25°	6183.4	5441.9	5032.1	4873.5	4963.8	5329.7	6015.1	6598.1	6600.5	6546.8
27.5°	6020.0	5180.9	4785.7	4636.9	4724.7	5066.2	5802.9	6683.4	6768.8	6749.3
30°	5854.1	5024.8	4668.6	4563.8	4629.6	4932.1	5585.8	6771.2	6942.0	6976.1
32.5°	5778.5	5100.4	4944.3	4990.6	4905.2	5010.1	5507.7	6895.6	7151.8	7207.9
35°	5878.5	5771.2	6166.3	6349.3	6046.8	5649.2	5607.7	7083.5	7446.9	7529.8
37.5°	6363.9	7207.9	7798.2	8442.1	7917.7	7042.0	6102.9	7403.0	7868.9	8000.6
40°	7420.1	8461.6	9527.5	10359.3	9566.6	8388.4	7044.4	7878.6	8449.4	8568.9
42.5°	8415.3	9637.3	11105.7	12181.4	11152.1	9488.5	8059.1	8678.7	9215.3	9281.2
45°	9391.0	10791.1	13015.6	14510.9	13113.2	10534.9	9095.8	10030.0	10434.9	10437.4
47.5°	10534.9	12091.2	15410.9	17540.4	15715.8	11693.6	10069.1	12169.2	12732.7	12457.0
50°	11903.3	13383.9	17877.0	21065.0	18889.2	13118.1	11305.7	14776.7	15545.1	15232.9
52.5°	13735.2	14808.4	20594.2	24501.9	22348.0	14740.1	13098.6	18220.9	18474.6	17891.6
55°	16313.4	16864.7	24082.3	28746.1	26209.3	16737.9	15720.7	22543.2	21833.4	20162.5
57.5°	22184.6	20118.6	28560.7	33587.9	30577.9	20367.4	21467.5	27309.4	24784.8	21967.5
60°	27097.2	24070.1	32704.9	38393.1	34322.1	24367.7	26863.0	28138.7	24675.0	21767.5
62.5°	25440.9	25077.5	34200.1	38922.5	35600.3	26336.1	25860.5	26048.3	23065.2	20438.1
65°	22321.2	23133.5	32865.9	36412.5	34183.1	24572.6	23392.0	24116.5	21223.6	18577.0
67.5°	20479.6	21077.2	30492.6	32395.1	31607.3	22665.1	21472.4	20947.9	18364.8	16115.9
70°	18596.5	19091.7	27160.6	27353.3	27589.9	19494.2	17557.4	15996.3	13688.8	12115.6
72.5°	16069.5	16096.3	22948.1	21830.9	22279.7	15254.8	14132.8	11959.4	9964.2	8537.2
75°	13481.5	12744.9	18164.8	15259.7	16159.8	11866.8	11735.0	9012.9	7515.2	6344.4
77.5°	10278.8	9417.8	13269.3	10034.9	11349.6	7903.0	8822.6	6112.7	5288.2	4222.3
80°	6900.5	6363.9	7332.3	5663.8	7425.0	5446.8	5754.1	3463.7	3002.7	2329.4
82.5°	3639.3	3107.6	4532.1	3358.8	4478.4	2992.9	2158.7	1070.8	912.3	736.6
85°	1409.9	1631.8	2222.1	1195.2	1736.7	1068.4	624.4	265.9	222.0	168.3
87.5°	273.2	422.0	231.7	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

(END OF REPORT)