

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: P638262

Luminaire Tested: GWS-SA4E-740-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P638262  
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-SA4E-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**

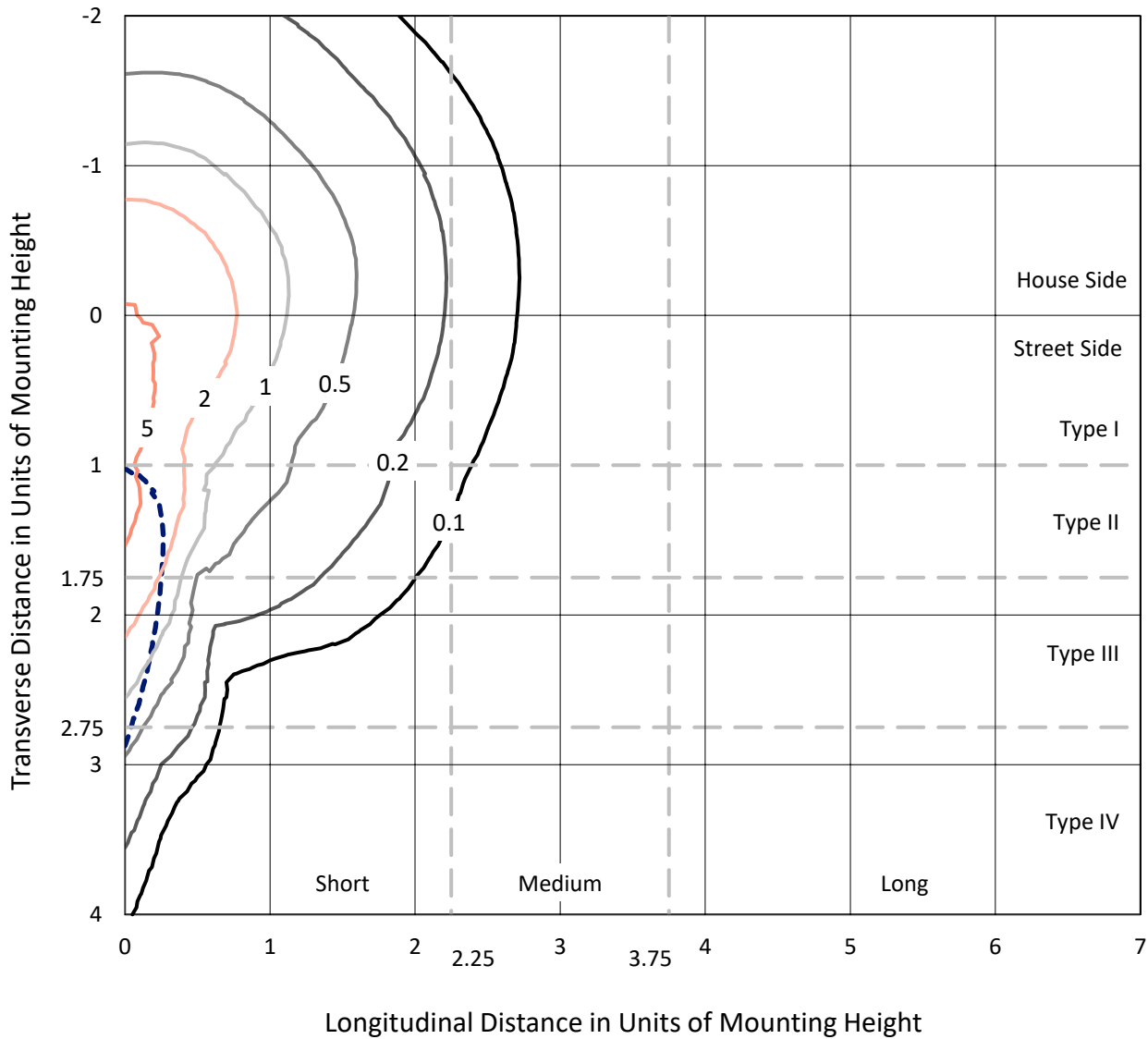
Lumens per Lamp: N/A  
Luminaire Lumens: 28681.9 lumens  
Efficiency: N/A  
Efficacy: 141.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 202.6  
Input Voltage (V): 120  
Input Current (Ain): 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

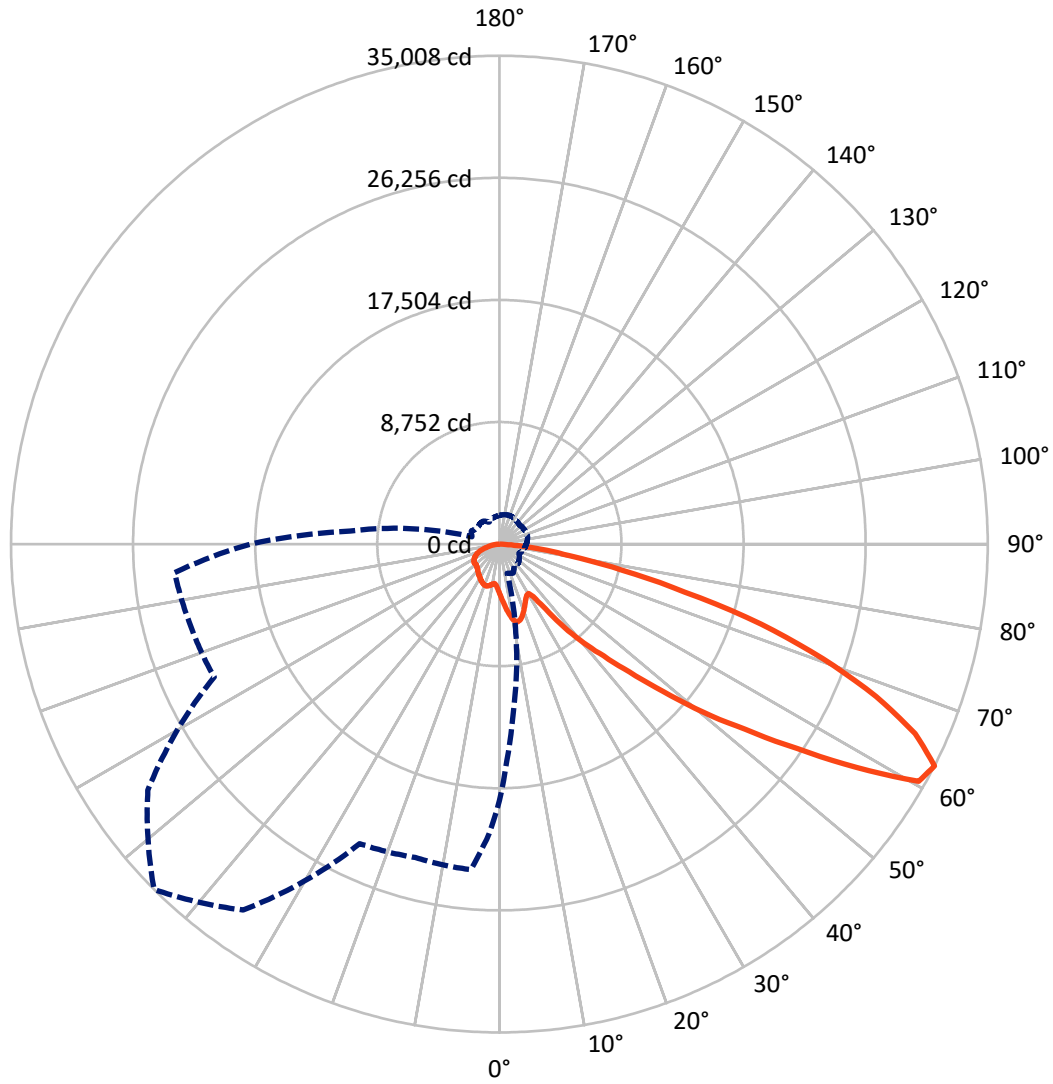
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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	6857.9	0.0	6857.9
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	21824.0	0.0	21824.0
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	28681.9	0.0	28681.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	352.3	1.2
10°-20°	1145.0	4.0
20°-30°	1802.4	6.3
30°-40°	2470.6	8.6
40°-50°	3854.8	13.4
50°-60°	6646.5	23.2
60°-70°	7702.4	26.9
70°-80°	4065.7	14.2
80°-90°	642.2	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°	28681.9	100.0
0°-180°	28681.9	100.0

**Coefficient of Utilization**



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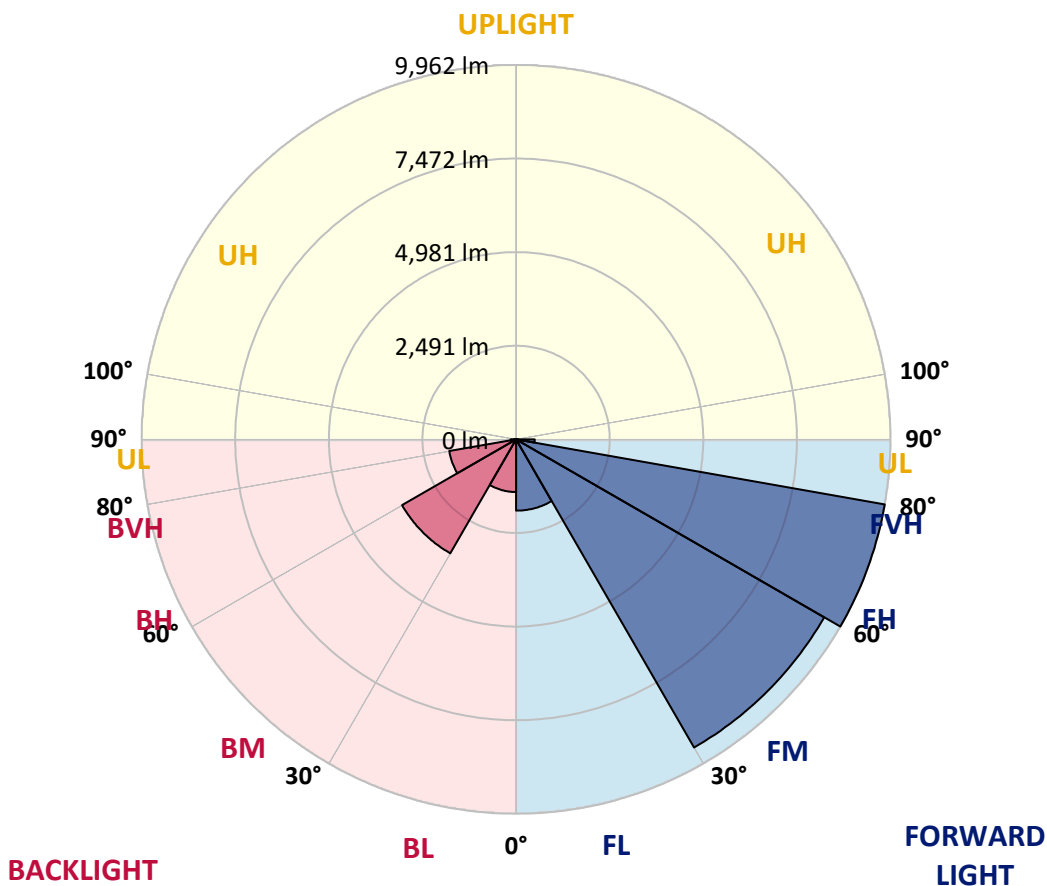
CATALOG NUMBER: GWS-SA4E-740-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1897.0	6.6			
FM (30°-60°)	9468.9	33.0			
FH (60°-80°)	9962.4	34.7			G4/12000
FVH (80°-90°)	495.7	1.7			G3/500
BL (0°-30°)	1402.7	4.9	B3/2500		
BM (30°-60°)	3503.0	12.2	B3/5000		
BH (60°-80°)	1805.7	6.3	B3/2500		G3/2500
BVH (80°-90°)	146.5	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°	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0
2.5°	3885.4	3870.0	3848.1	3773.5	3727.4	3674.8	3619.9	3556.3	3483.9	3433.4	3383.0
5°	4214.5	4190.3	4137.7	3960.0	3837.1	3703.3	3591.4	3464.2	3339.1	3253.5	3168.0
7.5°	4530.4	4499.7	4418.5	4146.5	3946.8	3753.7	3584.8	3400.5	3214.0	3086.8	2985.9
10°	4846.3	4782.7	4679.6	4324.2	4060.9	3837.1	3644.0	3418.1	3170.2	2996.9	2889.4
12.5°	5087.6	5028.4	4916.5	4486.5	4175.0	3894.2	3677.0	3468.5	3257.9	3073.6	2963.9
15°	5313.6	5236.8	5109.6	4637.9	4269.3	3892.0	3611.1	3429.0	3398.3	3352.3	3209.7
17.5°	5475.9	5405.7	5274.1	4760.7	4322.0	3823.9	3429.0	3321.5	3459.8	3600.2	3464.2
20°	5618.5	5537.4	5403.5	4846.3	4332.9	3672.6	3207.5	3209.7	3426.9	3619.9	3587.0
22.5°	5739.2	5649.3	5530.8	4942.8	4328.5	3462.0	3014.4	3146.0	3363.2	3514.6	3519.0
25°	5888.4	5813.8	5715.1	5085.4	4328.5	3247.0	2874.0	3069.3	3255.7	3383.0	3378.6
27.5°	6070.5	6020.0	5938.9	5302.6	4368.0	3067.1	2795.0	2970.5	3117.5	3227.2	3225.0
30°	6274.5	6228.5	6167.0	5533.0	4436.0	2933.2	2751.1	2847.7	2955.2	3042.9	3042.9
32.5°	6482.9	6465.4	6399.6	5717.3	4383.4	2891.5	2713.8	2724.8	2781.9	2854.2	2847.7
35°	6772.5	6755.0	6671.6	5859.9	4155.2	2832.3	2654.6	2599.8	2606.3	2652.4	2667.8
37.5°	7196.0	7169.6	7046.8	6026.6	3810.8	2683.1	2558.1	2468.1	2448.4	2468.1	2496.6
40°	7707.1	7667.6	7500.9	6252.6	3413.7	2481.3	2406.7	2332.1	2299.2	2305.8	2338.7
42.5°	8347.7	8264.4	8025.2	6491.7	3021.0	2303.6	2237.8	2191.7	2154.4	2150.0	2213.6
45°	9387.7	9159.5	8779.9	6704.5	2689.7	2209.2	2086.4	2053.5	2022.8	2040.3	2114.9
47.5°	11204.2	10783.0	10043.6	6886.6	2487.9	2211.4	1965.7	1930.6	1928.4	1963.5	2046.9
50°	13700.8	13093.1	11952.3	7009.5	2382.6	2237.8	1893.3	1836.3	1878.0	1913.1	1992.1
52.5°	16092.2	15164.2	13806.1	7007.3	2336.5	2242.2	1913.1	1748.5	1878.0	1886.7	1961.3
55°	18134.7	16454.2	14306.4	6287.7	2270.7	2224.6	1989.9	1680.5	1853.8	1886.7	1946.0
57.5°	19758.2	17274.7	14269.1	5078.9	2470.3	2128.1	2035.9	1665.2	1783.6	1891.1	1959.1
60°	19578.3	16899.5	13349.8	3117.5	2450.6	1956.9	2029.3	1693.7	1665.2	1831.9	1943.8
62.5°	18382.6	15554.7	11768.0	2163.2	2301.4	1858.2	1921.8	1744.1	1555.5	1746.3	1869.2
65°	16708.7	13819.3	9806.7	1658.6	1906.5	1862.6	1739.8	1709.0	1458.9	1610.3	1741.9
67.5°	14495.0	11667.1	7742.2	1314.1	1329.5	1612.5	1579.6	1518.2	1369.0	1489.7	1608.1
70°	10897.0	8514.5	5326.8	1057.5	1007.0	1347.0	1419.4	1364.6	1281.2	1316.3	1441.4
72.5°	7678.6	5559.3	2917.9	838.1	776.6	1035.5	1233.0	1224.2	1132.0	1158.4	1281.2
75°	5706.3	3933.6	1823.1	662.6	631.8	741.5	1033.3	1059.6	982.9	1013.6	1107.9
77.5°	3797.6	2547.1	1013.6	491.4	491.4	541.9	770.1	892.9	835.9	860.0	925.8
80°	2095.2	1296.6	506.8	322.5	331.3	373.0	561.6	642.8	645.0	704.2	721.8
82.5°	662.6	412.5	226.0	188.7	177.7	212.8	362.0	460.7	430.0	548.5	504.6
85°	151.4	96.5	41.7	41.7	46.1	70.2	138.2	245.7	313.7	377.3	274.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	96.5	142.6	127.2
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0
2.5°	3352.3	3308.4	3295.2	3257.9	3253.5	3218.4	3205.3	3205.3	3220.6	3220.6	3236.0
5°	3132.9	3078.0	3047.3	3003.4	2992.5	2966.1	2948.6	2950.8	2970.5	2983.7	3010.0
7.5°	2939.8	2902.5	2880.6	2860.8	2856.4	2852.1	2832.3	2830.1	2836.7	2856.4	2876.2
10°	2858.6	2832.3	2838.9	2854.2	2878.4	2891.5	2874.0	2865.2	2858.6	2871.8	2889.4
12.5°	2937.6	2911.3	2924.5	2950.8	2983.7	2996.9	2990.3	2988.1	2994.7	3045.1	3082.4
15°	3110.9	3060.5	3042.9	3053.9	3080.2	3093.4	3086.8	3095.6	3137.3	3268.9	3363.2
17.5°	3325.9	3203.1	3132.9	3113.1	3124.1	3135.1	3135.1	3157.0	3229.4	3422.5	3540.9
20°	3442.2	3282.1	3163.6	3115.3	3119.7	3130.7	3130.7	3161.4	3242.6	3448.8	3525.6
22.5°	3411.5	3264.5	3119.7	3067.1	3069.3	3078.0	3078.0	3104.4	3176.8	3358.8	3393.9
25°	3290.8	3161.4	3018.8	2972.7	2977.1	2992.5	2988.1	3003.4	3058.3	3207.5	3227.2
27.5°	3146.0	3032.0	2891.5	2856.4	2876.2	2906.9	2880.6	2882.8	2933.2	3058.3	3060.5
30°	2990.3	2895.9	2770.9	2744.6	2781.9	2797.2	2773.1	2773.1	2823.5	2909.1	2906.9
32.5°	2821.3	2762.1	2672.2	2643.6	2685.3	2709.5	2678.7	2683.1	2722.6	2779.7	2757.7
35°	2663.4	2632.7	2591.0	2571.2	2597.6	2619.5	2599.8	2608.5	2645.8	2661.2	2630.5
37.5°	2512.0	2507.6	2512.0	2512.0	2518.6	2525.2	2512.0	2533.9	2566.9	2547.1	2512.0
40°	2380.4	2397.9	2439.6	2428.6	2422.1	2428.6	2419.9	2457.2	2490.1	2455.0	2413.3
42.5°	2270.7	2303.6	2367.2	2367.2	2354.0	2358.4	2354.0	2400.1	2424.2	2376.0	2329.9
45°	2176.3	2224.6	2305.8	2316.7	2294.8	2294.8	2303.6	2360.6	2369.4	2303.6	2255.3
47.5°	2110.5	2169.8	2261.9	2281.6	2248.7	2246.5	2270.7	2332.1	2332.1	2255.3	2200.5
50°	2064.4	2130.3	2240.0	2266.3	2233.4	2224.6	2264.1	2323.3	2310.2	2218.0	2163.2
52.5°	2033.7	2101.7	2237.8	2275.1	2253.1	2244.3	2283.8	2325.5	2292.6	2193.9	2136.8
55°	2014.0	2088.6	2244.3	2275.1	2250.9	2235.6	2275.1	2312.4	2294.8	2180.7	2125.9
57.5°	2025.0	2099.6	2235.6	2250.9	2222.4	2196.1	2242.2	2294.8	2288.2	2185.1	2130.3
60°	2007.4	2075.4	2187.3	2191.7	2143.4	2101.7	2169.8	2248.7	2248.7	2169.8	2121.5
62.5°	1926.2	1994.2	2093.0	2097.4	2042.5	1996.4	2075.4	2169.8	2167.6	2103.9	2053.5
65°	1792.4	1856.0	1967.9	1978.9	1924.0	1875.8	1956.9	2044.7	2051.3	1994.2	1950.4
67.5°	1645.4	1702.5	1785.8	1829.7	1783.6	1733.2	1807.8	1891.1	1888.9	1820.9	1774.9
70°	1469.9	1522.6	1599.3	1636.6	1608.1	1559.9	1627.9	1671.7	1652.0	1619.1	1588.4
72.5°	1296.6	1347.0	1419.4	1419.4	1388.7	1342.7	1362.4	1441.4	1465.5	1441.4	1421.6
75°	1114.5	1158.4	1208.8	1219.8	1151.8	1068.4	1160.6	1228.6	1257.1	1246.1	1222.0
77.5°	928.0	960.9	1035.5	1015.8	888.5	844.6	919.2	1020.2	1039.9	1033.3	1000.4
80°	715.2	735.0	813.9	774.4	675.7	647.2	680.1	759.1	763.5	741.5	699.9
82.5°	480.5	506.8	559.4	482.7	480.5	454.1	427.8	436.6	476.1	471.7	443.2
85°	245.7	258.9	309.3	289.6	247.9	215.0	204.0	217.2	195.3	177.7	153.6
87.5°	103.1	111.9	153.6	85.6	26.3	0.0	0.0	13.2	19.7	28.5	30.7
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°	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0
2.5°	3271.1	3295.2	3354.5	3429.0	3501.4	3576.0	3657.2	3707.7	3769.1	3848.1	3850.3
5°	3042.9	3097.8	3183.3	3297.4	3415.9	3551.9	3709.9	3841.5	3999.5	4124.5	4175.0
7.5°	2902.5	2981.5	3089.0	3233.8	3389.6	3558.5	3764.7	3986.3	4245.2	4411.9	4510.6
10°	2915.7	3036.3	3143.8	3266.7	3407.1	3589.2	3854.7	4148.6	4466.8	4686.1	4809.0
12.5°	3150.4	3277.7	3257.9	3251.3	3345.7	3567.3	3927.1	4313.2	4701.5	4920.9	5067.9
15°	3446.6	3494.9	3308.4	3168.0	3225.0	3488.3	3966.6	4460.2	4896.8	5164.4	5309.2
17.5°	3598.0	3501.4	3275.5	3064.9	3049.5	3367.6	3986.3	4609.4	5116.1	5383.8	5537.4
20°	3527.8	3387.4	3196.5	2996.9	2887.2	3203.1	3975.3	4727.8	5315.8	5614.2	5739.2
22.5°	3376.4	3253.5	3104.4	2913.5	2755.5	3023.2	3946.8	4846.3	5493.5	5794.1	5903.8
25°	3211.9	3119.7	2996.9	2830.1	2680.9	2865.2	3927.1	5004.3	5697.5	5984.9	6055.1
27.5°	3047.3	2979.3	2878.4	2748.9	2663.4	2755.5	3933.6	5210.5	5960.8	6232.8	6204.3
30°	2885.0	2825.7	2755.5	2698.5	2661.2	2729.2	3916.1	5429.9	6250.4	6502.7	6333.8
32.5°	2731.4	2676.5	2632.7	2641.4	2663.4	2740.2	3826.1	5629.5	6515.9	6730.9	6474.2
35°	2599.8	2542.7	2542.7	2573.4	2654.6	2702.9	3593.6	5785.3	6809.8	7024.8	6673.8
37.5°	2476.9	2426.4	2459.3	2509.8	2586.6	2602.0	3295.2	5936.7	7237.6	7439.5	6983.1
40°	2369.4	2318.9	2378.2	2441.8	2481.3	2474.7	2992.5	6147.3	7742.2	7950.7	7393.4
42.5°	2283.8	2237.8	2290.4	2371.6	2378.2	2384.8	2770.9	6349.1	8328.0	8593.5	8099.8
45°	2213.6	2180.7	2207.1	2288.2	2288.2	2389.1	2632.7	6518.0	9209.9	9679.4	9396.4
47.5°	2158.8	2139.0	2152.2	2178.5	2222.4	2468.1	2544.9	6647.5	10815.9	11737.3	11452.1
50°	2128.1	2108.3	2125.9	2071.0	2202.7	2507.6	2516.4	6746.2	12933.0	14376.6	14023.3
52.5°	2101.7	2095.2	2106.1	1978.9	2246.5	2481.3	2494.5	6614.6	14352.4	16974.1	17322.9
55°	2093.0	2097.4	2044.7	1910.9	2299.2	2393.5	2428.6	5673.4	14738.5	19214.1	21379.4
57.5°	2097.4	2084.2	1950.4	1917.5	2301.4	2218.0	2523.0	4047.7	14176.9	20188.2	25348.2
60°	2082.0	2016.2	1836.3	1976.7	2200.5	2011.8	2455.0	2639.2	12696.0	19440.1	25578.6
62.5°	2014.0	1917.5	1737.6	2009.6	2020.6	1888.9	2229.0	2033.7	10721.5	17838.5	23358.3
65°	1915.3	1785.8	1654.2	1941.6	1838.5	1831.9	1676.1	1630.1	8622.0	15932.0	21252.2
67.5°	1752.9	1623.5	1592.8	1785.8	1654.2	1623.5	1347.0	1351.4	6880.0	13900.5	19135.1
70°	1568.6	1439.2	1463.3	1614.7	1472.1	1349.2	1090.4	1125.5	5219.3	11581.5	16280.9
72.5°	1448.0	1274.6	1276.8	1421.6	1294.4	1092.6	897.3	928.0	3312.8	8729.5	12943.9
75°	1222.0	1123.3	1075.0	1151.8	1099.1	851.2	754.7	748.1	1963.5	6257.0	9692.6
77.5°	1020.2	943.4	919.2	950.0	820.5	629.6	607.7	596.7	1112.3	4008.2	6351.3
80°	739.3	719.6	717.4	732.8	631.8	462.9	462.9	465.1	598.9	2176.3	3580.4
82.5°	469.5	513.4	454.1	504.6	430.0	329.1	307.1	348.8	344.4	928.0	1509.4
85°	195.3	267.7	250.1	265.5	204.0	179.9	193.1	208.4	199.6	357.6	588.0
87.5°	37.3	43.9	48.3	46.1	46.1	57.0	63.6	76.8	76.8	103.1	177.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P638262

CATALOG NUMBER: GWS-SA4E-740-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0
2.5°	3933.6	3997.3	3984.1	4012.6	3975.3	3988.5	3913.9	3894.2	3881.0	3885.4
5°	4337.3	4466.8	4490.9	4539.2	4506.2	4506.2	4374.6	4275.9	4240.8	4214.5
7.5°	4747.6	4934.1	5056.9	5070.1	5052.5	5017.4	4826.6	4648.9	4585.2	4530.4
10°	5111.8	5335.5	5473.8	5539.6	5506.7	5451.8	5214.9	4971.4	4894.6	4846.3
12.5°	5390.4	5587.8	5680.0	5723.9	5719.5	5699.7	5506.7	5243.4	5162.2	5087.6
15°	5570.3	5669.0	5633.9	5631.7	5662.4	5741.4	5682.2	5475.9	5381.6	5313.6
17.5°	5686.6	5592.2	5436.5	5364.1	5429.9	5616.4	5752.4	5636.1	5550.5	5475.9
20°	5728.2	5392.6	5166.6	5032.8	5109.6	5379.4	5715.1	5752.4	5680.0	5618.5
22.5°	5680.0	5149.1	4841.9	4684.0	4758.5	5081.0	5605.4	5846.7	5798.4	5739.2
25°	5561.5	4894.6	4526.0	4383.4	4464.6	4793.6	5410.1	5934.5	5936.7	5888.4
27.5°	5414.5	4659.8	4304.4	4170.6	4249.6	4556.7	5219.3	6011.3	6088.0	6070.5
30°	5265.3	4519.4	4199.1	4104.8	4164.0	4436.0	5024.0	6090.2	6243.8	6274.5
32.5°	5197.3	4587.4	4447.0	4488.7	4411.9	4506.2	4953.8	6202.1	6432.5	6482.9
35°	5287.3	5190.7	5546.2	5710.7	5438.7	5081.0	5043.8	6371.1	6697.9	6772.5
37.5°	5723.9	6482.9	7013.9	7593.0	7121.4	6333.8	5489.1	6658.5	7077.5	7196.0
40°	6673.8	7610.6	8569.3	9317.4	8604.4	7544.8	6336.0	7086.3	7599.6	7707.1
42.5°	7568.9	8668.1	9988.8	10956.3	10030.5	8534.2	7248.6	7805.9	8288.5	8347.7
45°	8446.5	9705.8	11706.6	13051.4	11794.3	9475.4	8181.0	9021.3	9385.5	9387.7
47.5°	9475.4	10875.1	13861.0	15776.3	14135.2	10517.5	9056.4	10945.3	11452.1	11204.2
50°	10706.2	12037.9	16079.0	18946.4	16989.5	11798.7	10168.7	13290.6	13981.7	13700.8
52.5°	12353.8	13319.1	18523.0	22037.6	20100.4	13257.7	11781.2	16388.4	16616.5	16092.2
55°	14672.7	15168.5	21660.3	25855.0	23573.3	15054.5	14139.6	20275.9	19637.5	18134.7
57.5°	19953.4	18095.2	25688.2	30209.9	27502.6	18319.0	19308.4	24562.8	22292.1	19758.2
60°	24371.9	21649.3	29415.7	34531.8	30870.2	21917.0	24161.3	25308.7	22193.4	19578.3
62.5°	22882.3	22555.4	30760.5	35007.9	32019.8	23687.4	23259.6	23428.5	20745.4	18382.6
65°	20076.3	20806.8	29560.5	32750.4	30745.2	22101.2	21039.4	21691.0	19089.0	16708.7
67.5°	18419.9	18957.4	27425.8	29137.0	28428.4	20385.6	19312.8	18841.1	16517.8	14495.0
70°	16726.2	17171.6	24429.0	24602.3	24815.1	17533.6	15791.6	14387.5	12312.1	10897.0
72.5°	14453.3	14477.5	20640.1	19635.3	20039.0	13720.6	12711.4	10756.6	8962.0	7678.6
75°	12125.6	11463.1	16337.9	13725.0	14534.5	10673.3	10554.8	8106.4	6759.4	5706.3
77.5°	9245.0	8470.6	11934.8	9025.7	10208.2	7108.2	7935.3	5497.9	4756.4	3797.6
80°	6206.5	5723.9	6594.8	5094.2	6678.2	4899.0	5175.4	3115.3	2700.7	2095.2
82.5°	3273.3	2795.0	4076.2	3021.0	4028.0	2691.9	1941.6	963.1	820.5	662.6
85°	1268.1	1467.7	1998.6	1075.0	1562.0	960.9	561.6	239.1	199.6	151.4
87.5°	245.7	379.5	208.4	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)