

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: P642718

Luminaire Tested: GWS-SA6D-740-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642718  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-740-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

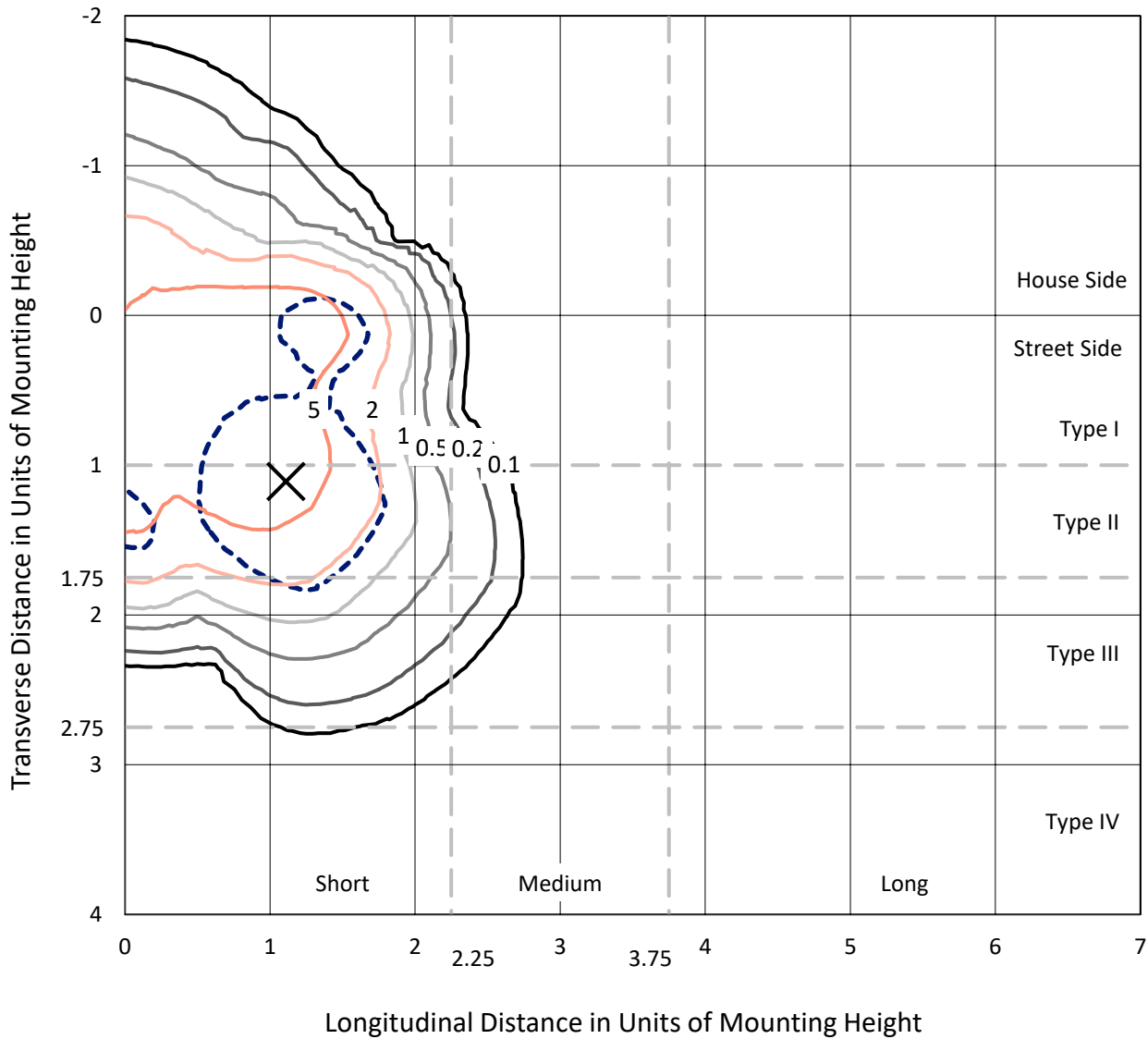
Lumens per Lamp: N/A  
Luminaire Lumens: 19110.7 lumens  
Efficiency: N/A  
Efficacy: 77.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

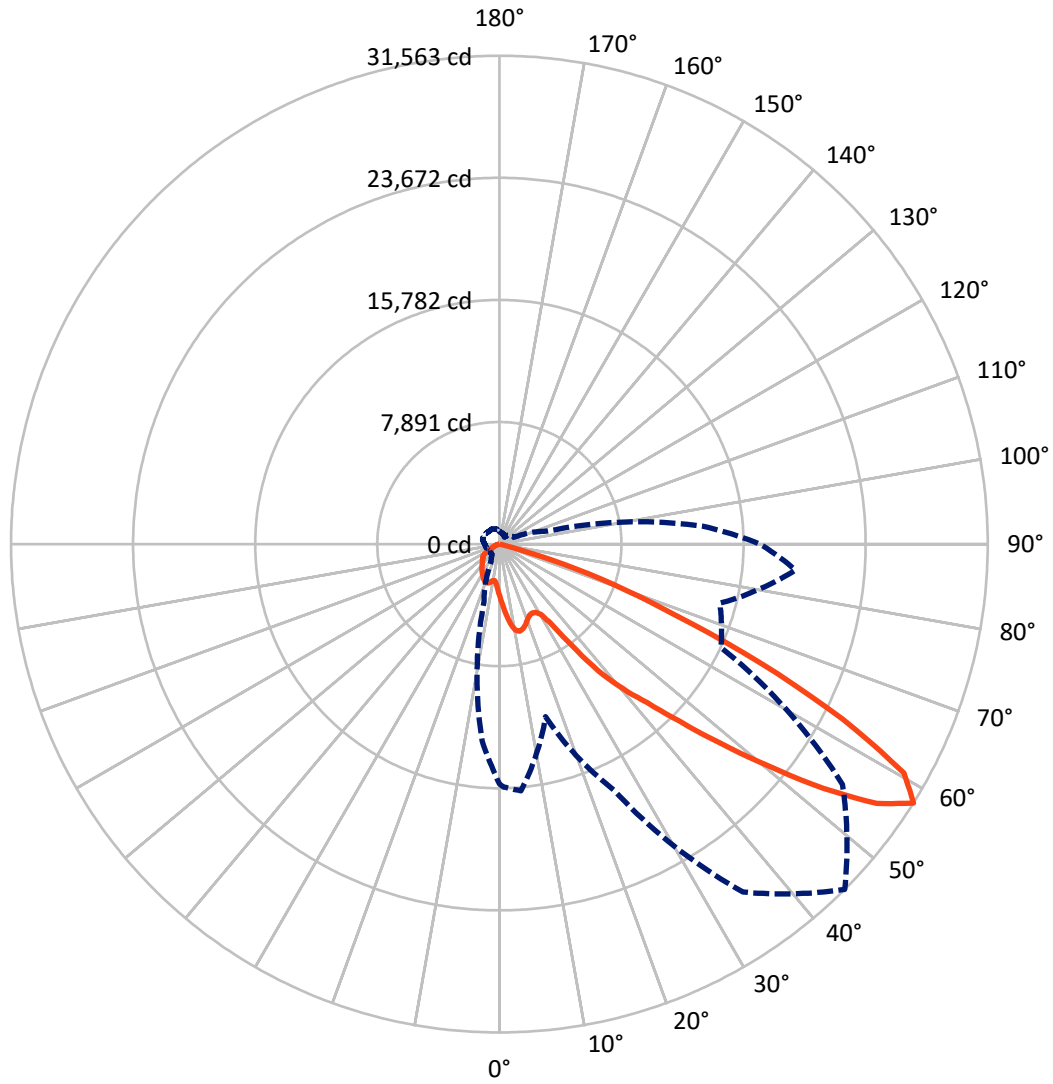
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4279.4	0.0	4279.4
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	14831.3	0.0	14831.3
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	19110.7	0.0	19110.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	330.4	1.7
10°-20°	1068.9	5.6
20°-30°	1736.5	9.1
30°-40°	2683.1	14.0
40°-50°	4302.3	22.5
50°-60°	5880.1	30.8
60°-70°	2847.9	14.9
70°-80°	260.8	1.4
80°-90°	0.8	0.0
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°	19110.7	100.0
0°-180°	19110.7	100.0

**Coefficient of Utilization**



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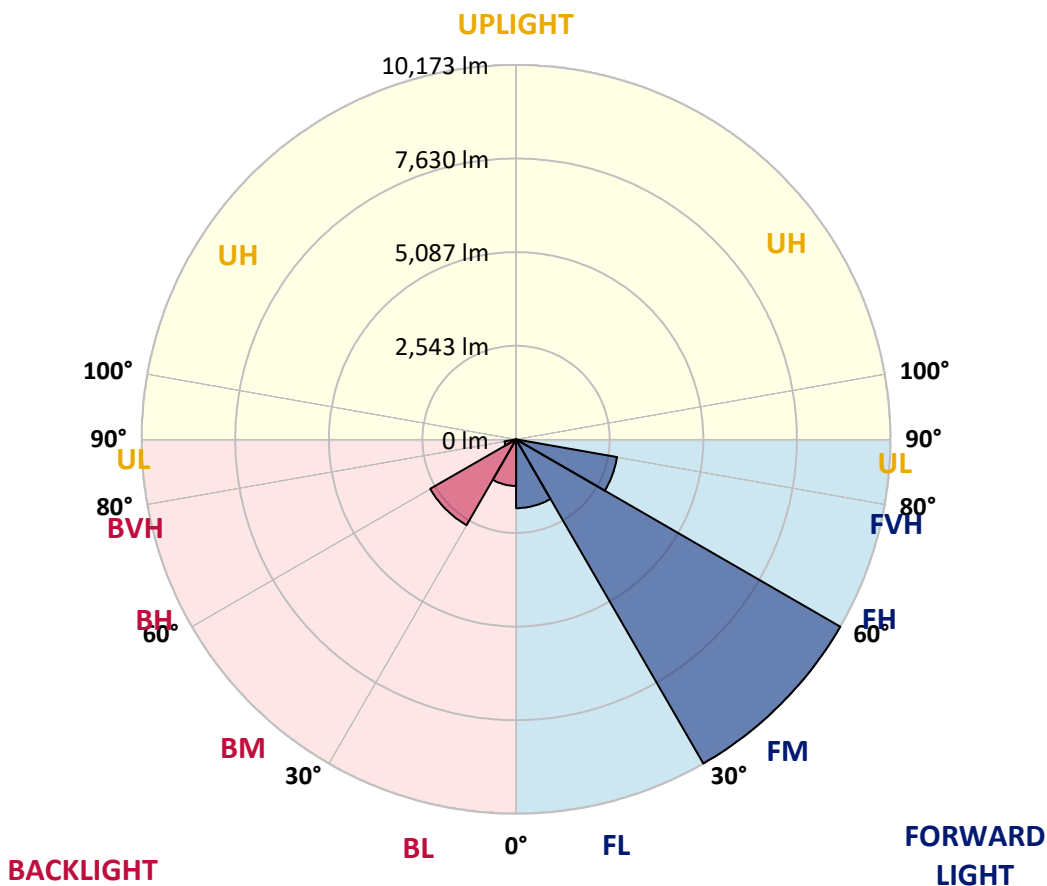
CATALOG NUMBER: GWS-SA6D-740-U-SLR-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1869.6	9.8			
FM (30°-60°)	10173.1	53.2			
FH (60°-80°)	2787.9	14.6			G2/5000
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	1266.2	6.6	B3/2500		
BM (30°-60°)	2692.4	14.1	B3/5000		
BH (60°-80°)	320.8	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9
2.5°	3638.8	3661.9	3700.5	3782.6	3852.0	3898.2	3918.7	3913.6	3885.3	3864.8	3823.7
5°	4029.2	4029.2	4103.6	4291.1	4434.9	4524.8	4571.0	4542.7	4486.3	4396.4	4257.7
7.5°	4370.7	4383.5	4509.4	4776.4	4994.7	5123.1	5197.6	5182.2	5082.0	4910.0	4632.6
10°	4637.8	4653.2	4820.1	5146.2	5403.0	5534.0	5644.4	5654.7	5544.3	5315.7	4997.3
12.5°	4897.1	4912.5	5087.2	5400.5	5626.4	5680.4	5777.9	5816.5	5788.2	5626.4	5295.2
15°	5177.0	5213.0	5361.9	5595.6	5690.6	5626.4	5690.6	5760.0	5855.0	5839.6	5541.7
17.5°	5451.8	5477.5	5629.0	5711.2	5605.9	5439.0	5469.8	5552.0	5767.7	5978.2	5785.6
20°	5706.0	5742.0	5867.8	5760.0	5441.5	5182.2	5184.7	5292.6	5621.3	6063.0	6034.7
22.5°	5973.1	6027.0	6116.9	5813.9	5290.0	4979.3	4992.1	5089.7	5505.7	6142.6	6317.2
25°	6322.4	6373.7	6432.8	5947.4	5241.2	4879.2	4927.9	5017.8	5505.7	6278.7	6666.5
27.5°	6794.9	6830.8	6833.4	6196.5	5326.0	4894.6	4997.3	5100.0	5670.1	6550.9	7133.8
30°	7388.1	7444.6	7370.1	6584.3	5590.5	5100.0	5251.5	5379.9	6024.5	7010.6	7822.1
32.5°	8109.7	8189.3	8089.1	7159.5	6142.6	5808.8	6083.5	6158.0	6589.4	7675.7	8602.7
35°	8957.1	9023.9	8916.0	7955.6	7431.7	7493.3	7991.5	7896.5	7724.5	8494.9	9514.3
37.5°	9886.7	9948.3	9740.3	9162.5	9337.2	9604.2	10400.3	10074.2	9519.5	9550.3	10503.0
40°	10739.3	10806.0	10479.9	10474.8	10834.3	11322.2	12282.6	11833.2	11078.2	10931.9	11430.1
42.5°	11622.7	11668.9	11373.6	11173.3	11989.9	12994.0	14010.9	13404.8	12110.6	11951.4	12590.8
45°	12883.5	12981.1	12454.7	11517.4	13029.9	14917.4	16334.9	15151.0	12814.2	12685.8	14367.8
47.5°	14737.6	14809.5	13736.1	11733.1	13998.0	17313.3	19239.3	17416.0	13433.1	13140.3	16797.1
50°	16270.7	16319.5	14914.8	11969.3	15027.8	19896.7	22549.4	20102.1	14129.0	13892.7	19064.6
52.5°	17400.6	17585.5	16463.3	12454.7	16381.1	22934.6	26213.9	23283.8	15215.2	15346.2	20944.4
55°	17634.3	17885.9	17521.3	12752.6	17572.6	26029.0	29598.5	26131.7	16298.9	16447.9	21576.1
57.5°	15497.7	15698.0	16001.0	11550.7	17544.4	27446.5	31563.0	27076.7	15805.9	14750.4	19211.0
60°	11609.8	11748.5	12298.0	8828.7	16134.6	26193.3	30032.5	25469.2	13820.8	11255.4	14637.5
62.5°	6884.7	6946.4	7642.3	5718.9	13392.0	22557.1	24906.8	21976.7	10921.6	7570.4	8964.8
65°	2642.4	2616.8	3148.3	2822.2	9848.2	17968.1	18525.4	16753.5	7493.3	3469.3	3418.0
67.5°	408.3	390.3	526.4	834.6	7103.0	12452.1	12223.6	12074.6	4694.3	808.9	706.2
70°	92.4	92.4	113.0	246.5	4339.9	7316.2	7829.8	7465.1	3004.5	172.1	92.4
72.5°	43.7	43.7	53.9	105.3	1571.6	3014.8	3513.0	3459.1	975.8	56.5	33.4
75°	15.4	18.0	18.0	23.1	95.0	156.6	359.5	256.8	61.6	0.0	0.0
77.5°	5.1	5.1	5.1	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9
2.5°	3733.8	3715.9	3649.1	3559.2	3471.9	3394.9	3315.3	3220.2	3150.9	3071.3	3045.6
5°	4149.8	4036.9	3854.5	3664.5	3489.9	3340.9	3197.1	3043.0	2930.1	2817.1	2778.5
7.5°	4501.7	4334.7	4039.4	3754.4	3515.6	3305.0	3097.0	2886.4	2722.1	2588.5	2547.4
10°	4817.5	4624.9	4229.5	3877.6	3577.2	3333.2	3081.6	2817.1	2603.9	2444.7	2406.2
12.5°	5089.7	4866.3	4391.2	3970.1	3602.9	3323.0	3079.0	2868.4	2675.8	2493.5	2444.7
15°	5318.3	5071.7	4527.3	4031.7	3564.3	3194.6	2981.4	2948.0	2932.6	2732.3	2637.3
17.5°	5541.7	5264.3	4637.8	4060.0	3456.5	2968.6	2814.5	2966.0	3127.8	2996.8	2876.1
20°	5775.4	5459.5	4750.8	4065.1	3276.7	2714.3	2688.7	2927.5	3132.9	3091.8	2978.9
22.5°	6050.1	5703.5	4892.0	4062.5	3050.8	2498.6	2596.2	2853.0	3019.9	3017.4	2927.5
25°	6448.2	6011.6	5082.0	4077.9	2804.2	2331.7	2493.5	2727.2	2863.3	2858.2	2783.7
27.5°	6874.5	6378.8	5328.5	4116.5	2593.7	2234.1	2372.8	2555.1	2673.3	2668.1	2603.9
30°	7472.8	6802.6	5564.8	4119.0	2442.1	2182.8	2239.3	2365.1	2478.1	2465.3	2416.5
32.5°	8199.5	7280.2	5762.5	3972.7	2347.1	2134.0	2100.6	2164.8	2252.1	2234.1	2221.3
35°	9077.8	7847.7	5932.0	3651.7	2200.8	2036.4	1946.5	1959.4	2021.0	2031.3	2026.1
37.5°	10079.3	8523.1	6142.6	3227.9	2003.0	1895.2	1774.5	1764.2	1800.2	1833.5	1859.2
40°	11068.0	9283.2	6427.6	2799.1	1823.3	1715.4	1599.8	1574.2	1589.6	1648.6	1702.6
42.5°	12179.9	10164.0	6735.8	2431.9	1700.0	1517.7	1407.3	1358.5	1402.1	1497.1	1561.3
45°	13782.3	11399.2	7036.3	2139.1	1648.6	1343.1	1194.1	1189.0	1237.8	1361.0	1432.9
47.5°	16031.9	12996.5	7234.0	1910.6	1646.1	1206.9	1029.8	1060.6	1117.1	1237.8	1319.9
50°	18224.9	14997.0	7015.7	1736.0	1592.1	1117.1	906.5	968.1	1024.6	1129.9	1214.7
52.5°	19547.4	16073.0	6165.7	1571.6	1425.2	1076.0	785.8	893.7	903.9	998.9	1088.8
55°	19408.8	15377.0	4722.5	1317.4	1178.7	1016.9	660.0	806.3	811.5	883.4	960.4
57.5°	16845.9	13202.0	3243.4	1068.3	886.0	839.7	544.4	680.5	729.3	773.0	829.5
60°	12554.8	9632.5	1445.8	868.0	562.4	567.5	464.8	513.6	588.1	639.4	688.2
62.5°	7398.3	5541.7	588.1	521.3	310.7	356.9	374.9	374.9	421.1	459.7	490.5
65°	2796.5	1938.8	238.8	261.9	161.8	166.9	220.8	272.2	308.2	341.5	382.6
67.5°	490.5	339.0	123.3	97.6	95.0	84.7	113.0	177.2	197.7	223.4	241.4
70°	82.2	69.3	51.4	48.8	43.7	46.2	74.5	125.8	138.7	146.4	154.1
72.5°	23.1	20.5	15.4	12.8	10.3	12.8	46.2	97.6	102.7	107.9	115.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	18.0	69.3	74.5	77.0	84.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	20.5	25.7	20.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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	0.0





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9
2.5°	3030.2	2978.9	2950.6	2935.2	2935.2	2914.7	2891.5	2883.8	2917.2	2917.2	2973.7
5°	2729.8	2688.7	2642.4	2614.2	2570.5	2578.2	2552.6	2550.0	2583.4	2598.8	2657.9
7.5°	2521.8	2470.4	2442.1	2424.2	2401.1	2390.8	2367.7	2360.0	2377.9	2403.6	2460.1
10°	2383.1	2375.4	2372.8	2385.6	2385.6	2372.8	2352.3	2339.4	2344.6	2393.4	2457.6
12.5°	2419.0	2434.4	2439.6	2460.1	2470.4	2460.1	2444.7	2449.8	2483.2	2573.1	2668.1
15°	2575.7	2562.8	2557.7	2568.0	2575.7	2565.4	2560.3	2598.8	2714.3	2842.7	2950.6
17.5°	2742.6	2660.4	2624.5	2624.5	2629.6	2624.5	2629.6	2704.1	2891.5	3019.9	3099.5
20°	2827.3	2675.8	2619.3	2606.5	2616.8	2619.3	2637.3	2722.1	2927.5	3017.4	3035.3
22.5°	2801.7	2611.6	2547.4	2537.2	2547.4	2557.7	2575.7	2647.6	2840.2	2886.4	2878.7
25°	2673.3	2485.8	2434.4	2434.4	2457.6	2455.0	2462.7	2514.0	2673.3	2701.5	2688.7
27.5°	2511.5	2334.3	2290.6	2316.3	2336.9	2331.7	2334.3	2377.9	2496.1	2503.8	2490.9
30°	2347.1	2193.1	2152.0	2182.8	2211.0	2205.9	2208.5	2252.1	2326.6	2318.9	2300.9
32.5°	2180.2	2067.2	2036.4	2054.4	2098.0	2092.9	2103.2	2149.4	2177.6	2144.3	2123.7
35°	2026.1	1967.1	1944.0	1954.2	1987.6	1995.3	2013.3	2044.1	2044.1	2003.0	1967.1
37.5°	1882.3	1874.6	1859.2	1846.4	1877.2	1900.3	1926.0	1961.9	1910.6	1851.5	1818.1
40°	1748.8	1782.2	1761.6	1728.2	1746.2	1779.6	1831.0	1859.2	1797.6	1738.5	1682.0
42.5°	1625.5	1682.0	1674.3	1633.2	1648.6	1679.5	1738.5	1761.6	1689.7	1623.0	1569.0
45°	1507.4	1587.0	1592.1	1540.8	1556.2	1587.0	1656.3	1664.0	1571.6	1499.7	1461.2
47.5°	1404.7	1492.0	1494.6	1456.0	1461.2	1504.8	1569.0	1571.6	1466.3	1399.5	1350.8
50°	1307.1	1407.3	1415.0	1381.6	1386.7	1438.1	1492.0	1481.7	1368.7	1299.4	1255.7
52.5°	1189.0	1325.1	1343.1	1327.6	1348.2	1389.3	1422.7	1386.7	1255.7	1186.4	1147.9
55°	1060.6	1237.8	1276.3	1266.0	1289.1	1322.5	1330.2	1307.1	1142.7	1073.4	1037.5
57.5°	911.6	1019.5	1086.3	1065.7	1083.7	1117.1	1140.2	1122.2	998.9	945.0	914.2
60°	755.0	826.9	842.3	808.9	793.5	852.6	906.5	883.4	778.1	744.7	708.8
62.5°	552.1	634.3	644.6	600.9	582.9	647.1	693.4	670.2	554.7	518.7	490.5
65°	441.7	518.7	539.3	498.2	487.9	536.7	565.0	508.5	426.3	387.8	356.9
67.5°	290.2	351.8	405.7	403.2	382.6	398.0	377.5	331.3	272.2	251.7	231.1
70°	179.8	215.7	249.1	261.9	259.4	254.2	226.0	192.6	174.6	166.9	156.6
72.5°	138.7	174.6	200.3	208.0	210.6	202.9	179.8	148.9	131.0	120.7	113.0
75°	102.7	131.0	151.5	161.8	166.9	161.8	138.7	118.1	100.2	92.4	84.7
77.5°	36.0	43.7	53.9	59.1	56.5	53.9	48.8	48.8	38.5	36.0	30.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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	0.0



REPORT NUMBER: P642718

CATALOG NUMBER: GWS-SA6D-740-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9	3358.9
2.5°	3037.9	3084.1	3168.9	3245.9	3328.1	3412.8	3505.3	3600.3	3644.0	3638.8
5°	2747.7	2847.9	2986.6	3138.1	3307.6	3489.9	3692.7	3900.8	3990.6	4029.2
7.5°	2565.4	2706.6	2889.0	3081.6	3305.0	3564.3	3869.9	4196.1	4327.0	4370.7
10°	2588.5	2752.9	2904.4	3091.8	3330.7	3667.1	4047.1	4434.9	4589.0	4637.8
12.5°	2776.0	2811.9	2853.0	3007.1	3307.6	3744.1	4208.9	4671.1	4848.3	4897.1
15°	2945.5	2778.5	2701.5	2842.7	3225.4	3798.0	4373.3	4925.4	5120.5	5177.0
17.5°	2953.2	2701.5	2529.5	2639.9	3091.8	3821.1	4535.0	5184.7	5397.9	5451.8
20°	2858.2	2616.8	2395.9	2398.5	2909.5	3816.0	4668.6	5418.4	5657.2	5706.0
22.5°	2719.5	2516.6	2288.1	2208.5	2714.3	3805.7	4815.0	5667.5	5926.9	5973.1
25°	2565.4	2388.2	2185.3	2064.7	2519.2	3816.0	5020.4	5993.7	6278.7	6322.4
27.5°	2398.5	2247.0	2105.7	2008.2	2354.8	3854.5	5266.9	6409.7	6748.6	6794.9
30°	2223.9	2110.9	2054.4	1995.3	2252.1	3864.8	5534.0	6895.0	7323.9	7388.1
32.5°	2051.8	1990.2	1992.7	2003.0	2154.5	3792.9	5777.9	7434.3	8006.9	8109.7
35°	1892.6	1874.6	1926.0	1977.3	2013.3	3608.0	5991.1	8071.1	8851.8	8957.1
37.5°	1756.5	1771.9	1836.1	1887.5	1859.2	3346.1	6273.6	8867.2	9796.8	9886.7
40°	1625.5	1664.0	1738.5	1761.6	1741.1	3040.5	6612.5	9635.0	10616.0	10739.3
42.5°	1504.8	1533.1	1638.4	1643.5	1707.7	2729.8	6938.7	10461.9	11558.5	11622.7
45°	1407.3	1402.1	1510.0	1543.4	1751.4	2385.6	7257.1	11563.6	12791.1	12883.5
47.5°	1312.2	1307.1	1332.8	1484.3	1769.3	2067.2	7573.0	13176.3	14578.4	14737.6
50°	1222.4	1230.1	1150.5	1456.0	1671.8	1823.3	7716.8	14668.3	16203.9	16270.7
52.5°	1142.7	1114.5	975.8	1363.6	1463.7	1592.1	7308.5	15346.2	17210.6	17400.6
55°	1029.8	873.1	803.8	1106.8	1155.6	1389.3	5985.9	14953.3	17297.9	17634.3
57.5°	880.8	685.6	683.1	816.6	816.6	1289.1	3834.0	12775.7	14907.1	15497.7
60°	677.9	531.6	565.0	567.5	523.9	939.9	2152.0	9255.0	11021.7	11609.8
62.5°	482.8	405.7	426.3	339.0	300.5	469.9	1032.3	5328.5	6802.6	6884.7
65°	323.6	274.8	223.4	187.5	184.9	200.3	426.3	1926.0	2342.0	2642.4
67.5°	213.1	166.9	118.1	118.1	133.5	133.5	161.8	318.4	446.8	408.3
70°	138.7	115.6	74.5	71.9	87.3	87.3	82.2	87.3	92.4	92.4
72.5°	102.7	87.3	43.7	38.5	48.8	51.4	46.2	43.7	43.7	43.7
75°	77.0	61.6	25.7	18.0	23.1	30.8	25.7	18.0	18.0	15.4
77.5°	30.8	23.1	10.3	7.7	12.8	18.0	15.4	7.7	5.1	5.1
80°	2.6	5.1	5.1	5.1	7.7	10.3	12.8	5.1	2.6	2.6
82.5°	0.0	2.6	2.6	2.6	5.1	7.7	10.3	5.1	2.6	2.6
85°	0.0	0.0	0.0	0.0	5.1	7.7	5.1	2.6	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	2.6	7.7	5.1	2.6	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)