

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: P642714

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-740-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT 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: 19208.3 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

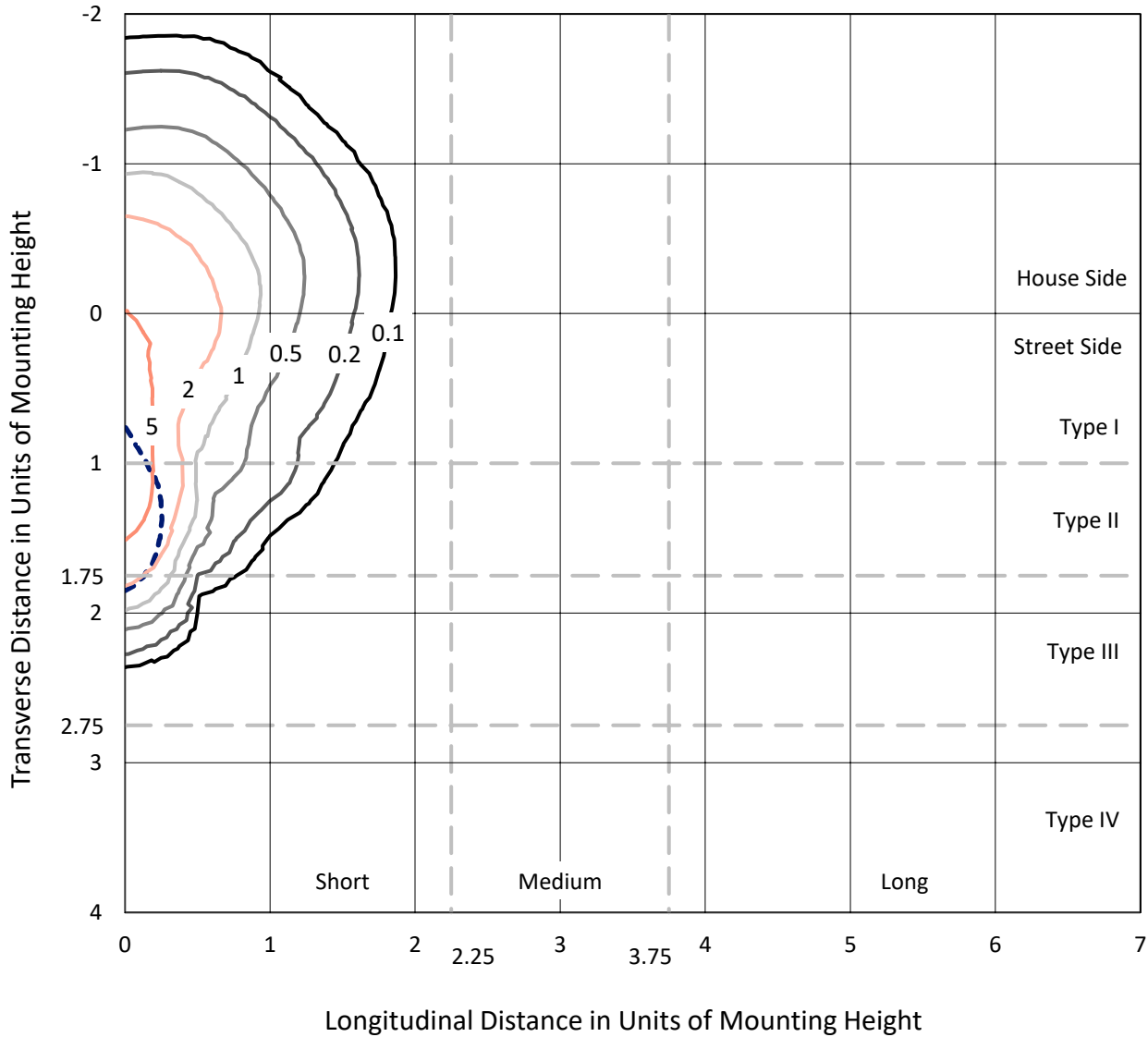
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

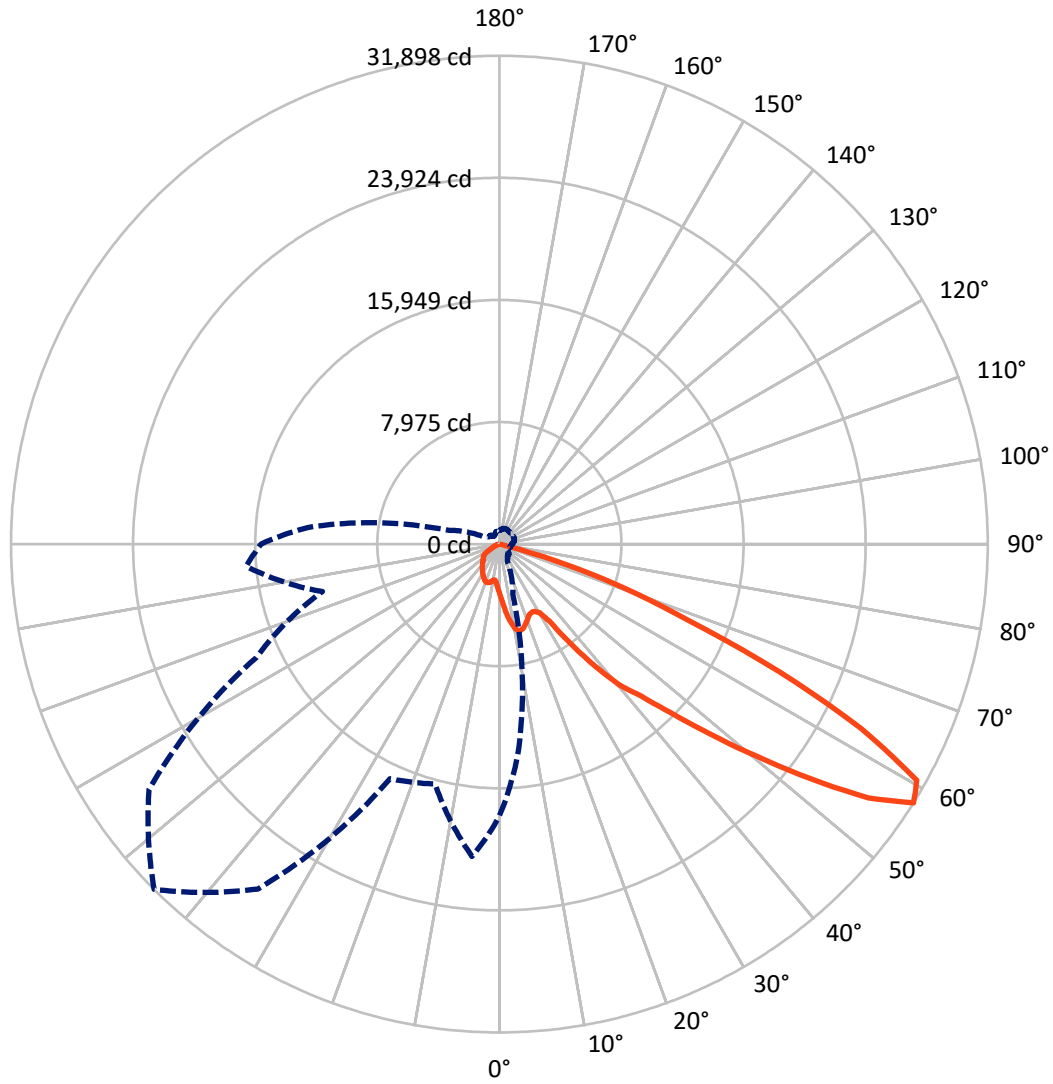
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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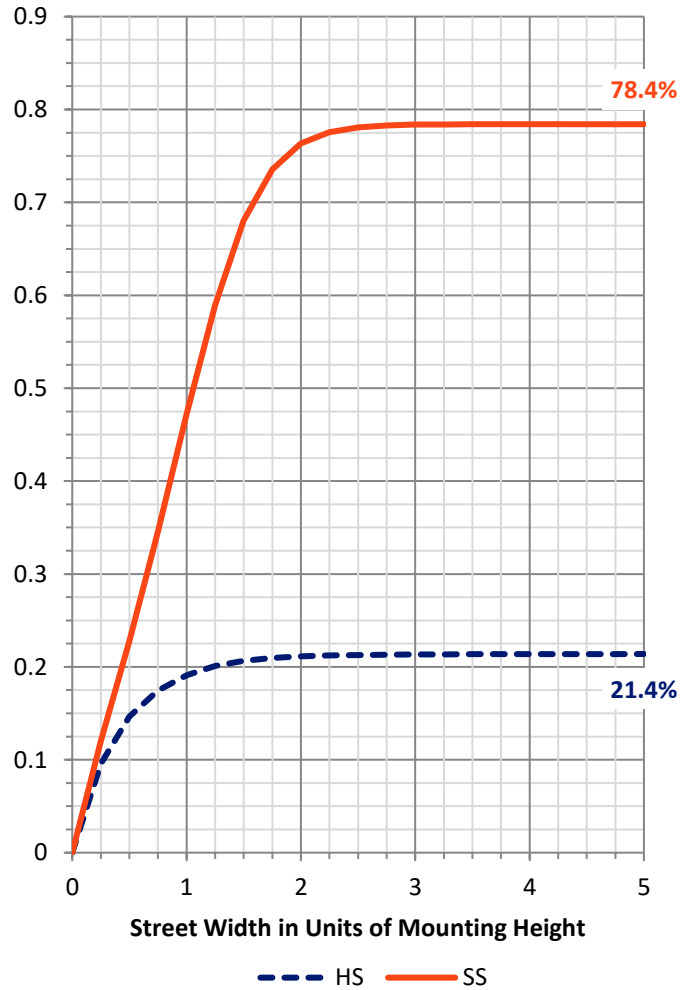
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4138.1	0.0	4138.1
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	15070.2	0.0	15070.2
	% Fixture	78.5	0.0	78.5
Total	Lumens	19208.3	0.0	19208.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.6	1.7
10°-20°	1061.5	5.5
20°-30°	1722.6	9.0
30°-40°	2643.9	13.8
40°-50°	4222.4	22.0
50°-60°	5912.2	30.8
60°-70°	3031.3	15.8
70°-80°	291.8	1.5
80°-90°	0.0	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°	19208.3	100.0
0°-180°	19208.3	100.0

Coefficient of Utilization



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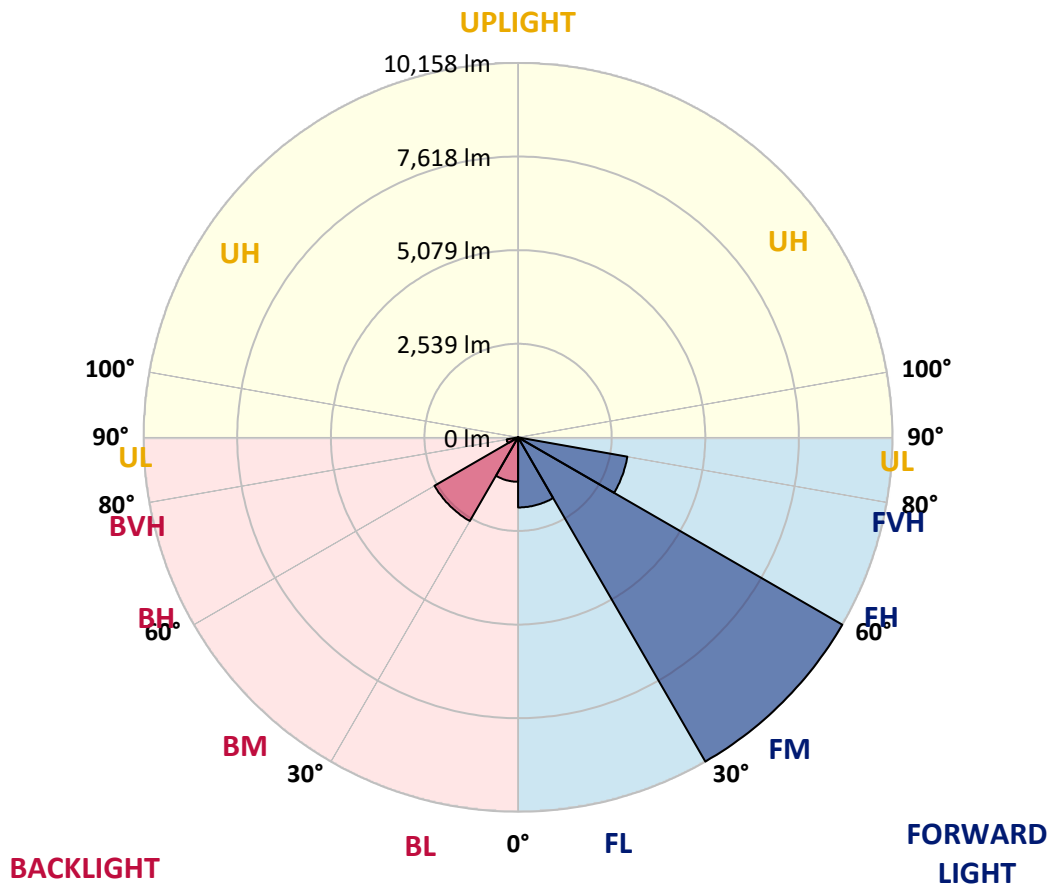
CATALOG NUMBER: GWS-SA6D-740-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1901.7	9.9			
FM (30°-60°)	10157.8	52.9			
FH (60°-80°)	3010.6	15.7			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1204.9	6.3	B3/2500		
BM (30°-60°)	2620.6	13.6	B3/5000		
BH (60°-80°)	312.5	1.6	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°	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8
2.5°	3625.8	3618.1	3592.5	3505.2	3451.2	3366.5	3304.9	3225.3	3137.9	3084.0	3030.1
5°	4011.0	3990.5	3921.2	3720.9	3566.8	3399.9	3266.3	3120.0	2963.3	2860.6	2765.6
7.5°	4380.8	4350.0	4257.5	3918.6	3684.9	3446.1	3256.1	3042.9	2822.1	2668.0	2549.9
10°	4742.9	4673.5	4527.2	4111.2	3795.3	3507.7	3284.3	3040.4	2781.0	2585.9	2454.9
12.5°	5040.7	4989.4	4789.1	4293.5	3887.8	3520.6	3245.8	3019.8	2845.2	2714.2	2593.6
15°	5297.5	5241.0	5051.0	4457.8	3967.4	3469.2	3084.0	2886.3	2914.5	2965.9	2863.2
17.5°	5533.8	5474.7	5269.3	4593.9	3998.2	3343.4	2858.0	2763.0	2919.7	3112.3	3073.8
20°	5777.7	5711.0	5459.3	4704.4	3987.9	3145.7	2629.5	2657.8	2878.6	3099.4	3120.0
22.5°	6062.8	5993.4	5700.7	4845.6	3980.2	2909.4	2431.8	2565.3	2801.6	2989.0	3025.0
25°	6440.2	6358.1	6037.1	5053.6	4000.8	2693.7	2290.5	2475.4	2670.6	2840.1	2860.6
27.5°	6938.4	6833.1	6424.8	5310.4	4044.4	2524.2	2228.9	2352.2	2503.7	2655.2	2673.2
30°	7588.1	7454.6	6869.1	5533.8	4023.9	2406.1	2187.8	2228.9	2318.8	2442.1	2444.6
32.5°	8348.2	8165.9	7367.2	5726.4	3846.7	2318.8	2131.3	2103.1	2123.6	2218.6	2236.6
35°	9241.8	9005.6	7916.8	5908.7	3523.1	2149.3	2028.6	1933.6	1925.9	1972.1	2015.8
37.5°	10266.4	9983.9	8610.1	6142.4	3140.5	1972.1	1877.1	1782.1	1741.0	1764.1	1830.9
40°	11211.4	10898.1	9334.2	6424.8	2750.2	1812.9	1699.9	1602.4	1553.6	1561.3	1643.4
42.5°	12320.7	11997.1	10220.2	6794.6	2426.6	1705.1	1515.0	1414.9	1350.7	1386.7	1481.7
45°	14005.2	13638.0	11511.8	7115.6	2169.9	1679.4	1353.3	1212.0	1181.2	1242.9	1355.8
47.5°	16306.0	15856.7	13286.2	7310.8	1951.6	1702.5	1240.3	1047.7	1055.4	1124.7	1237.7
50°	18588.9	18103.6	15337.9	7054.0	1771.8	1656.3	1183.8	919.3	968.1	1029.7	1132.4
52.5°	20157.9	19526.2	16336.8	6311.8	1607.5	1481.7	1178.7	798.6	891.1	911.6	998.9
55°	20219.5	19441.4	15825.8	4976.6	1384.1	1250.6	1124.7	698.5	806.3	814.0	888.5
57.5°	17723.5	17019.9	13830.6	3417.8	1230.0	916.7	896.2	611.2	662.5	726.7	772.9
60°	13483.9	12885.6	10343.4	1566.4	934.7	582.9	613.7	526.4	495.6	590.6	636.8
62.5°	8258.3	7875.7	6204.0	693.3	595.7	310.7	372.3	418.6	372.3	408.3	446.8
65°	3279.2	3109.7	2354.7	295.3	243.9	156.6	169.5	243.9	261.9	287.6	323.6
67.5°	570.1	539.3	395.5	131.0	100.1	95.0	82.2	113.0	159.2	177.2	205.4
70°	74.5	71.9	64.2	53.9	51.4	46.2	36.0	71.9	107.9	113.0	131.0
72.5°	18.0	15.4	15.4	12.8	15.4	5.1	5.1	38.5	77.0	79.6	92.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	48.8	53.9	64.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8
2.5°	2986.4	2935.1	2917.1	2891.4	2858.0	2868.3	2822.1	2806.7	2829.8	2860.6	2852.9
5°	2714.2	2657.8	2619.2	2560.2	2549.9	2526.8	2511.4	2490.8	2516.5	2552.5	2560.2
7.5°	2498.5	2449.8	2411.2	2393.3	2380.4	2370.2	2339.3	2323.9	2323.9	2339.3	2352.2
10°	2406.1	2370.2	2362.4	2367.6	2388.1	2385.6	2357.3	2336.8	2311.1	2298.3	2313.7
12.5°	2534.5	2475.4	2465.2	2467.7	2493.4	2490.8	2460.0	2434.3	2429.2	2434.3	2483.1
15°	2752.8	2662.9	2596.1	2583.3	2596.1	2591.0	2567.9	2552.5	2560.2	2634.6	2716.8
17.5°	2947.9	2809.3	2688.6	2642.3	2639.8	2632.1	2609.0	2603.8	2642.3	2781.0	2901.7
20°	3004.4	2868.3	2696.3	2637.2	2624.4	2616.7	2591.0	2598.7	2647.5	2814.4	2917.1
22.5°	2930.0	2799.0	2619.2	2560.2	2549.9	2547.3	2521.7	2531.9	2573.0	2719.4	2804.1
25°	2788.7	2678.3	2490.8	2439.5	2439.5	2434.3	2411.2	2416.4	2442.1	2570.4	2652.6
27.5°	2616.7	2511.4	2354.7	2303.4	2311.1	2318.8	2290.5	2282.8	2303.4	2424.1	2472.9
30°	2418.9	2344.5	2221.2	2175.0	2172.4	2203.2	2164.7	2154.5	2182.7	2277.7	2288.0
32.5°	2226.4	2190.4	2103.1	2067.1	2069.7	2074.8	2054.3	2054.3	2080.0	2131.3	2128.8
35°	2038.9	2015.8	2000.4	1974.7	1972.1	1961.9	1961.9	1967.0	1995.2	2013.2	1979.8
37.5°	1859.1	1882.3	1900.2	1874.6	1854.0	1854.0	1854.0	1877.1	1902.8	1895.1	1838.6
40°	1699.9	1748.7	1805.2	1777.0	1728.2	1725.6	1735.9	1774.4	1812.9	1766.7	1715.3
42.5°	1563.8	1625.5	1705.1	1689.7	1635.7	1628.0	1635.7	1684.5	1715.3	1656.3	1599.8
45°	1430.3	1507.3	1602.4	1602.4	1543.3	1535.6	1538.2	1602.4	1620.3	1551.0	1479.1
47.5°	1317.3	1402.1	1502.2	1502.2	1453.4	1438.0	1450.9	1517.6	1530.5	1432.9	1366.1
50°	1209.5	1301.9	1412.3	1404.6	1371.2	1358.4	1381.5	1453.4	1438.0	1330.2	1260.8
52.5°	1073.4	1171.0	1322.5	1330.2	1312.2	1314.8	1343.0	1389.2	1345.6	1214.6	1155.5
55°	950.1	1050.3	1201.8	1242.9	1242.9	1240.3	1253.1	1289.1	1253.1	1096.5	1024.6
57.5°	816.6	901.3	1027.2	1037.4	1045.1	1016.9	1034.9	1083.6	1065.7	932.1	891.1
60°	670.2	742.1	814.0	821.7	788.3	729.3	762.7	819.2	832.0	731.8	685.6
62.5°	475.1	544.4	629.1	629.1	595.7	536.7	580.3	629.1	611.2	508.4	480.2
65°	354.4	418.6	482.8	511.0	482.8	441.7	475.1	511.0	482.8	398.0	356.9
67.5°	228.5	272.2	310.7	333.8	339.0	333.8	349.2	339.0	305.6	249.1	226.0
70°	138.7	161.8	182.3	202.9	218.3	226.0	233.7	210.6	177.2	146.4	138.7
72.5°	100.1	120.7	138.7	154.1	172.0	177.2	177.2	161.8	131.0	102.7	95.0
75°	69.3	87.3	102.7	113.0	128.4	133.5	133.5	120.7	97.6	74.5	66.8
77.5°	2.6	18.0	18.0	15.4	20.5	25.7	25.7	30.8	28.2	20.5	18.0
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°	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8
2.5°	2868.3	2960.8	2986.4	3081.5	3166.2	3250.9	3353.7	3415.3	3507.7	3571.9	3607.9
5°	2585.9	2662.9	2755.3	2896.6	3042.9	3204.7	3399.9	3569.4	3782.5	3939.1	3990.5
7.5°	2380.4	2480.6	2588.4	2765.6	2965.9	3181.6	3456.4	3733.7	4059.8	4273.0	4409.0
10°	2341.9	2444.6	2588.4	2763.0	2973.6	3220.1	3556.5	3916.0	4324.3	4583.7	4737.7
12.5°	2526.8	2637.2	2698.8	2778.4	2937.7	3212.4	3643.8	4100.9	4581.1	4863.6	5027.9
15°	2799.0	2896.6	2796.4	2696.3	2799.0	3130.2	3692.6	4255.0	4807.1	5133.2	5302.7
17.5°	2986.4	2994.1	2775.9	2562.7	2591.0	2981.3	3710.6	4409.0	5048.5	5390.0	5567.2
20°	2968.5	2906.8	2686.0	2449.8	2362.4	2788.7	3690.0	4545.1	5292.4	5649.3	5824.0
22.5°	2829.8	2757.9	2570.4	2339.3	2169.9	2560.2	3654.1	4668.4	5515.8	5921.5	6085.9
25°	2662.9	2585.9	2431.8	2228.9	2046.6	2339.3	3625.8	4837.9	5798.3	6275.9	6404.3
27.5°	2467.7	2401.0	2270.0	2123.6	1995.2	2172.4	3618.1	5061.3	6139.8	6707.3	6797.2
30°	2277.7	2216.1	2113.4	2028.6	1974.7	2074.8	3592.5	5300.1	6548.1	7202.9	7300.5
32.5°	2095.4	2033.8	1969.6	1956.7	1959.3	2038.9	3505.2	5536.3	7033.4	7921.9	7993.8
35°	1938.7	1866.8	1841.2	1872.0	1928.5	1977.3	3258.6	5731.5	7554.7	8705.1	8764.2
37.5°	1789.8	1717.9	1715.3	1789.8	1851.4	1882.3	2968.5	5924.1	8258.3	9501.2	9575.6
40°	1653.7	1581.8	1607.5	1697.4	1746.2	1761.6	2616.7	6216.8	9003.0	10340.9	10299.8
42.5°	1538.2	1463.7	1479.1	1594.7	1638.3	1679.4	2293.1	6460.8	9719.4	11136.9	11124.1
45°	1425.2	1368.7	1358.4	1484.2	1522.8	1687.1	2056.9	6648.2	10641.3	12151.2	12171.7
47.5°	1314.8	1271.1	1273.7	1327.6	1422.6	1725.6	1856.6	6771.5	11979.2	13758.7	13401.8
50°	1214.6	1181.2	1209.5	1147.8	1358.4	1676.8	1684.5	6745.8	13473.7	15299.4	14583.0
52.5°	1104.2	1096.5	1109.3	960.4	1255.7	1479.1	1522.8	6404.3	14174.7	16352.3	15944.0
55°	991.2	988.6	885.9	767.8	1050.3	1181.2	1304.5	5343.8	14151.6	16912.1	17407.7
57.5°	857.7	837.1	672.8	626.6	816.6	821.7	1188.9	3500.0	12541.5	15571.6	16598.8
60°	649.7	634.3	493.0	508.4	570.1	526.4	947.5	1743.6	9372.8	12130.7	13288.8
62.5°	449.4	428.8	367.2	392.9	367.2	300.4	580.3	862.8	5677.6	7660.0	8710.2
65°	328.7	305.6	251.7	215.7	172.0	172.0	220.8	331.3	2198.1	3256.1	3926.3
67.5°	202.9	192.6	148.9	107.9	105.3	113.0	115.6	164.3	354.4	564.9	690.8
70°	131.0	120.7	100.1	69.3	64.2	66.8	69.3	77.0	89.9	97.6	118.1
72.5°	89.9	84.7	71.9	38.5	30.8	33.4	36.0	36.0	43.7	41.1	48.8
75°	64.2	59.1	51.4	18.0	10.3	12.8	15.4	12.8	15.4	10.3	12.8
77.5°	18.0	18.0	12.8	2.6	0.0	2.6	5.1	5.1	2.6	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	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: P642714

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8	3263.8
2.5°	3700.3	3759.4	3782.5	3749.1	3777.4	3731.1	3713.2	3643.8	3638.7	3625.8
5°	4198.5	4332.0	4411.6	4460.4	4403.9	4342.3	4249.8	4090.6	4041.8	4011.0
7.5°	4688.9	4896.9	5033.0	5097.2	5081.8	4956.0	4789.1	4522.0	4427.0	4380.8
10°	5115.2	5369.4	5533.8	5613.4	5580.0	5469.6	5230.8	4896.9	4771.1	4742.9
12.5°	5413.1	5646.8	5759.8	5829.1	5831.7	5788.0	5562.0	5225.6	5076.7	5040.7
15°	5600.5	5700.7	5703.3	5744.3	5816.2	5913.8	5808.5	5510.7	5351.5	5297.5
17.5°	5718.7	5608.2	5495.3	5505.5	5623.7	5883.0	5990.9	5762.3	5592.8	5533.8
20°	5803.4	5454.2	5243.6	5246.2	5366.9	5759.8	6116.7	6006.3	5831.7	5777.7
22.5°	5857.3	5318.1	5017.6	5009.9	5138.3	5613.4	6232.2	6296.4	6124.4	6062.8
25°	5967.8	5253.9	4881.5	4925.2	5038.2	5567.2	6388.9	6681.6	6522.4	6440.2
27.5°	6165.5	5318.1	4868.7	4968.8	5097.2	5703.3	6661.1	7195.2	7030.9	6938.4
30°	6507.0	5559.5	5066.4	5205.1	5359.2	6060.2	7118.2	7911.6	7675.4	7588.1
32.5°	7056.5	6060.2	5677.6	5975.5	6124.4	6645.7	7803.8	8715.4	8522.8	8348.2
35°	7814.1	7202.9	7159.2	7852.6	7816.6	7755.0	8646.1	9701.4	9411.3	9241.8
37.5°	8856.6	9041.5	9365.1	10053.2	10030.1	9560.2	9752.8	10633.6	10484.7	10266.4
40°	10158.5	10551.4	11100.9	12087.0	11778.9	11188.3	11111.2	11588.8	11468.1	11211.4
42.5°	10926.3	11604.2	12651.9	13537.9	13291.3	12259.1	12171.7	12865.1	12600.6	12320.7
45°	11283.3	12461.9	14516.2	15715.4	14968.2	12970.4	12937.0	14529.1	14380.1	14005.2
47.5°	11447.6	13327.3	16698.9	18514.4	17117.5	13594.4	13473.7	16942.9	16747.7	16306.0
50°	11629.9	14521.4	19328.4	21757.6	19713.6	14300.5	14387.8	19192.3	19110.2	18588.9
52.5°	12030.5	15784.8	22566.5	25465.7	22861.8	15407.3	15956.8	21313.4	20758.7	20157.9
55°	12631.4	17161.1	25935.6	29253.3	26074.2	16894.1	17654.2	22440.7	20884.6	20219.5
57.5°	11966.3	17505.2	27930.8	31898.2	27499.4	16899.2	16218.7	20486.5	18368.0	17723.5
60°	9496.0	16285.5	27163.0	31325.6	26284.8	15006.7	12418.3	15995.3	13915.3	13483.9
62.5°	6419.7	13658.6	23912.1	26492.8	22497.2	11804.5	8070.8	10402.5	8615.2	8258.3
65°	3518.0	10189.3	19320.7	20042.3	17607.9	8245.5	4152.3	4514.3	3438.4	3279.2
67.5°	970.7	7092.5	14215.8	13296.5	12354.1	5369.4	1073.4	806.3	575.2	570.1
70°	243.9	4691.5	8517.7	8779.6	7575.2	3438.4	205.4	97.6	77.0	74.5
72.5°	102.7	2018.4	4041.8	4645.3	3877.5	1592.1	74.5	28.2	23.1	18.0
75°	12.8	161.8	344.1	521.3	356.9	172.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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
85°	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)