

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: P636283

Luminaire Tested: GWS-SA3F-740-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636283
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-SA3F-740-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13044.3 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

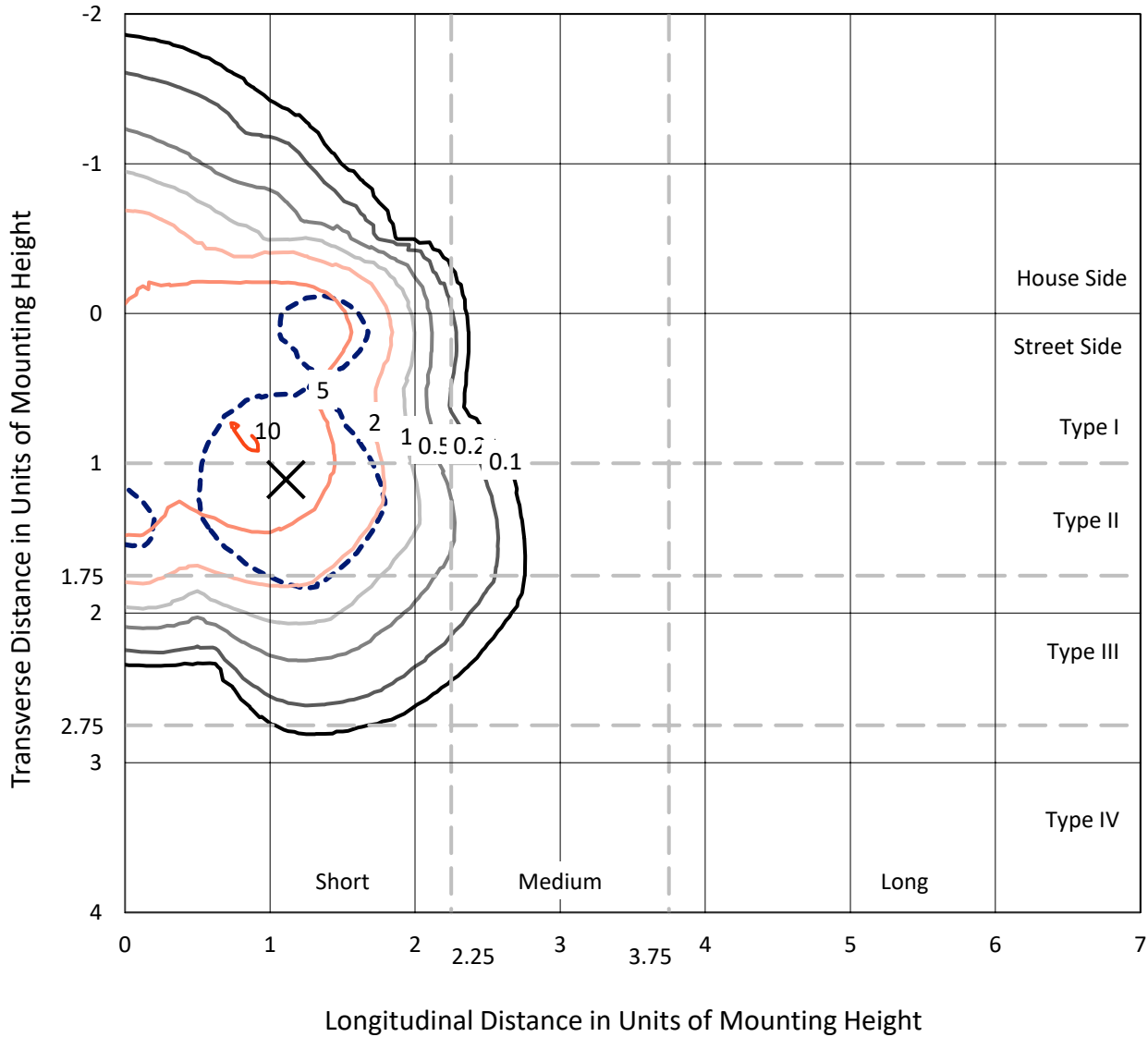
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

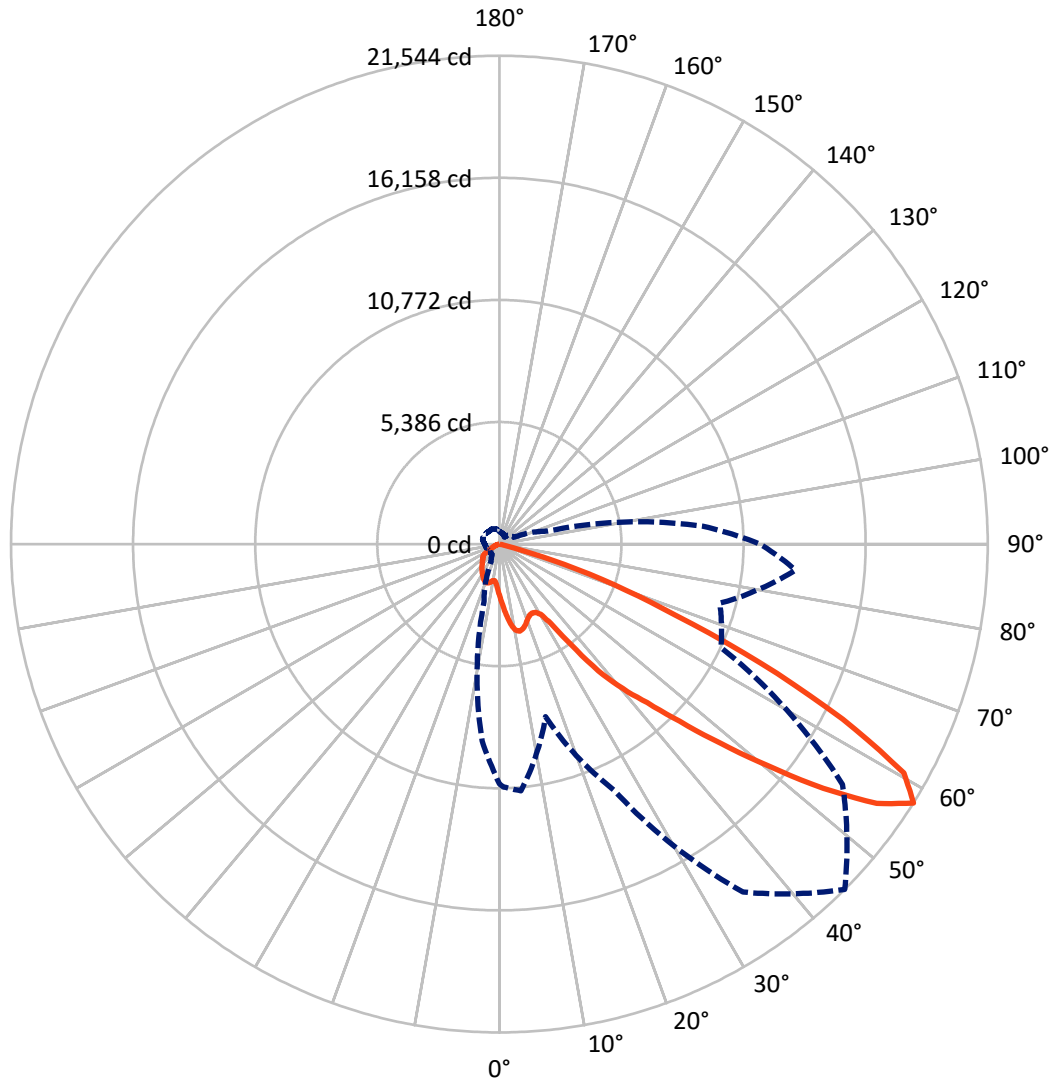
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.2 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
House Side	Lumens	2921.0	0.0	2921.0
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	10123.3	0.0	10123.3
	% Fixture	77.6	0.0	77.6
Total	Lumens	13044.3	0.0	13044.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.5	1.7
10°-20°	729.6	5.6
20°-30°	1185.2	9.1
30°-40°	1831.4	14.0
40°-50°	2936.6	22.5
50°-60°	4013.5	30.8
60°-70°	1943.9	14.9
70°-80°	178.0	1.4
80°-90°	0.5	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°	13044.3	100.0
0°-180°	13044.3	100.0

Coefficient of Utilization



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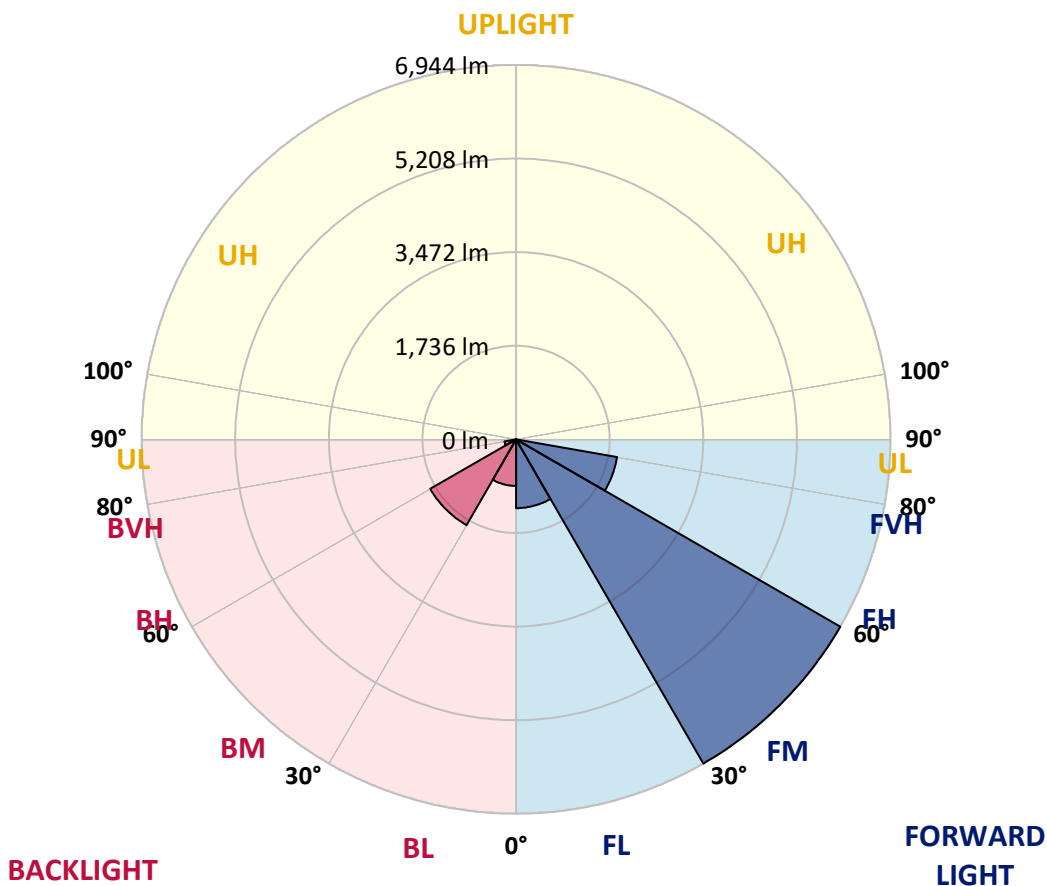
CATALOG NUMBER: GWS-SA3F-740-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1276.1	9.8			
FM (30°-60°)	6943.8	53.2			
FH (60°-80°)	1902.9	14.6			G2/5000
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	864.3	6.6	B2/1000		
BM (30°-60°)	1837.7	14.1	B2/2500		
BH (60°-80°)	218.9	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: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7
2.5°	2483.7	2499.5	2525.8	2581.9	2629.2	2660.8	2674.8	2671.3	2652.0	2638.0	2609.9
5°	2750.2	2750.2	2801.0	2928.9	3027.1	3088.5	3120.0	3100.7	3062.2	3000.8	2906.2
7.5°	2983.3	2992.0	3077.9	3260.2	3409.2	3496.9	3547.7	3537.2	3468.8	3351.4	3162.1
10°	3165.6	3176.1	3290.0	3512.6	3687.9	3777.3	3852.7	3859.7	3784.3	3628.3	3411.0
12.5°	3342.6	3353.1	3472.3	3686.2	3840.4	3877.2	3943.8	3970.1	3950.8	3840.4	3614.3
15°	3533.7	3558.2	3659.9	3819.4	3884.2	3840.4	3884.2	3931.6	3996.4	3985.9	3782.6
17.5°	3721.2	3738.7	3842.2	3898.2	3826.4	3712.5	3733.5	3789.6	3936.8	4080.5	3949.1
20°	3894.7	3919.3	4005.2	3931.6	3714.2	3537.2	3538.9	3612.5	3836.9	4138.4	4119.1
22.5°	4077.0	4113.8	4175.2	3968.4	3610.8	3398.7	3407.5	3474.1	3758.0	4192.7	4311.9
25°	4315.4	4350.5	4390.8	4059.5	3577.5	3330.3	3363.6	3425.0	3758.0	4285.6	4550.3
27.5°	4637.9	4662.5	4664.2	4229.5	3635.3	3340.9	3411.0	3481.1	3870.2	4471.4	4869.3
30°	5042.8	5081.4	5030.6	4494.2	3815.9	3481.1	3584.5	3672.1	4112.1	4785.2	5339.1
32.5°	5535.4	5589.7	5521.4	4886.8	4192.7	3964.9	4152.4	4203.2	4497.7	5239.1	5871.9
35°	6113.8	6159.4	6085.8	5430.2	5072.6	5114.7	5454.7	5389.9	5272.5	5798.3	6494.2
37.5°	6748.3	6790.4	6648.4	6254.0	6373.2	6555.5	7098.9	6876.3	6497.7	6518.7	7169.0
40°	7330.3	7375.8	7153.2	7149.7	7395.1	7728.1	8383.7	8076.9	7561.6	7461.7	7801.8
42.5°	7933.2	7964.8	7763.2	7626.5	8183.9	8869.2	9563.3	9149.7	8266.3	8157.6	8594.0
45°	8793.8	8860.5	8501.1	7861.4	8893.8	10182.1	11149.6	10341.6	8746.5	8658.9	9807.0
47.5°	10059.4	10108.5	9375.8	8008.6	9554.6	11817.4	13132.1	11887.6	9169.0	8969.1	11465.1
50°	11105.8	11139.1	10180.3	8169.8	10257.4	13580.8	15391.4	13721.0	9644.0	9482.7	13012.9
52.5°	11877.0	12003.2	11237.3	8501.1	11181.2	15654.3	17892.7	15892.7	10385.4	10474.8	14295.9
55°	12036.5	12208.3	11959.4	8704.5	11994.5	17766.5	20202.9	17836.6	11125.1	11226.7	14727.1
57.5°	10578.2	10714.9	10921.8	7884.1	11975.2	18734.0	21543.8	18481.6	10788.5	10068.1	13112.8
60°	7924.5	8019.1	8394.2	6026.2	11012.9	17878.7	20499.1	17384.4	9433.6	7682.6	9991.0
62.5°	4699.3	4741.4	5216.4	3903.5	9140.9	15396.7	17000.5	15000.5	7454.7	5167.3	6119.1
65°	1803.6	1786.1	2148.9	1926.3	6722.0	12264.4	12644.8	11435.3	5114.7	2368.0	2333.0
67.5°	278.7	266.4	359.3	569.7	4848.3	8499.4	8343.4	8241.7	3204.1	552.1	482.0
70°	63.1	63.1	77.1	168.3	2962.2	4993.8	5344.3	5095.4	2050.8	117.4	63.1
72.5°	29.8	29.8	36.8	71.9	1072.7	2057.8	2397.8	2361.0	666.1	38.6	22.8
75°	10.5	12.3	12.3	15.8	64.9	106.9	245.4	175.3	42.1	0.0	0.0
77.5°	3.5	3.5	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.8	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°	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7
2.5°	2548.6	2536.3	2490.7	2429.4	2369.8	2317.2	2262.9	2198.0	2150.7	2096.4	2078.8
5°	2832.5	2755.4	2631.0	2501.3	2382.1	2280.4	2182.2	2077.1	2000.0	1922.8	1896.5
7.5°	3072.7	2958.7	2757.2	2562.6	2399.6	2255.9	2113.9	1970.2	1858.0	1766.8	1738.8
10°	3288.3	3156.8	2886.9	2646.7	2441.7	2275.1	2103.4	1922.8	1777.3	1668.7	1642.4
12.5°	3474.1	3321.6	2997.3	2709.8	2459.2	2268.1	2101.6	1957.9	1826.4	1702.0	1668.7
15°	3630.1	3461.8	3090.2	2751.9	2432.9	2180.5	2035.0	2012.2	2001.7	1865.0	1800.1
17.5°	3782.6	3593.3	3165.6	2771.2	2359.3	2026.2	1921.1	2024.5	2134.9	2045.5	1963.1
20°	3942.1	3726.5	3242.7	2774.7	2236.6	1852.7	1835.2	1998.2	2138.4	2110.4	2033.3
22.5°	4129.6	3893.0	3339.1	2772.9	2082.3	1705.5	1772.1	1947.4	2061.3	2059.6	1998.2
25°	4401.3	4103.3	3468.8	2783.5	1914.1	1591.6	1702.0	1861.5	1954.4	1950.9	1900.0
27.5°	4692.3	4354.0	3637.1	2809.8	1770.3	1524.9	1619.6	1744.0	1824.7	1821.2	1777.3
30°	5100.7	4643.2	3798.3	2811.5	1666.9	1489.9	1528.5	1614.3	1691.5	1682.7	1649.4
32.5°	5596.7	4969.2	3933.3	2711.6	1602.1	1456.6	1433.8	1477.6	1537.2	1524.9	1516.2
35°	6196.2	5356.6	4049.0	2492.5	1502.2	1390.0	1328.6	1337.4	1379.5	1386.5	1383.0
37.5°	6879.8	5817.6	4192.7	2203.3	1367.2	1293.6	1211.2	1204.2	1228.7	1251.5	1269.0
40°	7554.6	6336.4	4387.3	1910.6	1244.5	1170.9	1092.0	1074.5	1085.0	1125.3	1162.1
42.5°	8313.6	6937.6	4597.6	1659.9	1160.4	1035.9	960.5	927.2	957.0	1021.9	1065.7
45°	9407.3	7780.7	4802.7	1460.1	1125.3	916.7	815.1	811.6	844.9	929.0	978.1
47.5°	10942.8	8871.0	4937.7	1304.1	1123.6	823.8	702.9	723.9	762.5	844.9	900.9
50°	12439.7	10236.4	4788.7	1184.9	1086.7	762.5	618.7	660.8	699.4	771.2	829.1
52.5°	13342.4	10970.8	4208.5	1072.7	972.8	734.4	536.4	610.0	617.0	681.8	743.2
55°	13247.7	10495.8	3223.4	899.2	804.5	694.1	450.5	550.4	553.9	603.0	655.6
57.5°	11498.4	9011.2	2213.8	729.2	604.7	573.2	371.6	464.5	497.8	527.6	566.2
60°	8569.5	6574.8	986.8	592.4	383.9	387.4	317.3	350.6	401.4	436.4	469.8
62.5°	5049.8	3782.6	401.4	355.8	212.1	243.6	255.9	255.9	287.5	313.8	334.8
65°	1908.8	1323.4	163.0	178.8	110.4	113.9	150.7	185.8	210.3	233.1	261.2
67.5°	334.8	231.4	84.1	66.6	64.9	57.8	77.1	120.9	135.0	152.5	164.8
70°	56.1	47.3	35.1	33.3	29.8	31.6	50.8	85.9	94.7	99.9	105.2
72.5°	15.8	14.0	10.5	8.8	7.0	8.8	31.6	66.6	70.1	73.6	78.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	12.3	47.3	50.8	52.6	57.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	14.0	17.5	14.0
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°	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7
2.5°	2068.3	2033.3	2014.0	2003.5	2003.5	1989.4	1973.7	1968.4	1991.2	1991.2	2029.8
5°	1863.2	1835.2	1803.6	1784.4	1754.6	1759.8	1742.3	1740.5	1763.3	1773.8	1814.2
7.5°	1721.3	1686.2	1666.9	1654.7	1638.9	1631.9	1616.1	1610.8	1623.1	1640.6	1679.2
10°	1626.6	1621.3	1619.6	1628.4	1628.4	1619.6	1605.6	1596.8	1600.3	1633.6	1677.4
12.5°	1651.1	1661.7	1665.2	1679.2	1686.2	1679.2	1668.7	1672.2	1695.0	1756.3	1821.2
15°	1758.1	1749.3	1745.8	1752.8	1758.1	1751.1	1747.6	1773.8	1852.7	1940.4	2014.0
17.5°	1872.0	1815.9	1791.4	1791.4	1794.9	1791.4	1794.9	1845.7	1973.7	2061.3	2115.6
20°	1929.8	1826.4	1787.9	1779.1	1786.1	1787.9	1800.1	1858.0	1998.2	2059.6	2071.8
22.5°	1912.3	1782.6	1738.8	1731.8	1738.8	1745.8	1758.1	1807.1	1938.6	1970.2	1964.9
25°	1824.7	1696.7	1661.7	1661.7	1677.4	1675.7	1680.9	1716.0	1824.7	1844.0	1835.2
27.5°	1714.2	1593.3	1563.5	1581.0	1595.1	1591.6	1593.3	1623.1	1703.7	1709.0	1700.2
30°	1602.1	1496.9	1468.9	1489.9	1509.2	1505.7	1507.4	1537.2	1588.0	1582.8	1570.5
32.5°	1488.1	1411.0	1390.0	1402.2	1432.0	1428.5	1435.6	1467.1	1486.4	1463.6	1449.6
35°	1383.0	1342.7	1326.9	1333.9	1356.7	1361.9	1374.2	1395.2	1395.2	1367.2	1342.7
37.5°	1284.8	1279.6	1269.0	1260.3	1281.3	1297.1	1314.6	1339.1	1304.1	1263.8	1241.0
40°	1193.7	1216.5	1202.4	1179.6	1191.9	1214.7	1249.8	1269.0	1227.0	1186.7	1148.1
42.5°	1109.5	1148.1	1142.8	1114.8	1125.3	1146.3	1186.7	1202.4	1153.3	1107.8	1071.0
45°	1028.9	1083.2	1086.7	1051.7	1062.2	1083.2	1130.6	1135.8	1072.7	1023.6	997.3
47.5°	958.8	1018.4	1020.1	993.8	997.3	1027.1	1071.0	1072.7	1000.9	955.3	922.0
50°	892.2	960.5	965.8	943.0	946.5	981.6	1018.4	1011.4	934.2	886.9	857.1
52.5°	811.6	904.5	916.7	906.2	920.2	948.3	971.1	946.5	857.1	809.8	783.5
55°	723.9	844.9	871.1	864.1	879.9	902.7	908.0	892.2	780.0	732.7	708.1
57.5°	622.2	695.9	741.4	727.4	739.7	762.5	778.2	766.0	681.8	645.0	624.0
60°	515.3	564.4	574.9	552.1	541.6	581.9	618.7	603.0	531.1	508.3	483.8
62.5°	376.9	432.9	440.0	410.2	397.9	441.7	473.3	457.5	378.6	354.1	334.8
65°	301.5	354.1	368.1	340.0	333.0	366.3	385.6	347.1	291.0	264.7	243.6
67.5°	198.1	240.1	276.9	275.2	261.2	271.7	257.7	226.1	185.8	171.8	157.8
70°	122.7	147.2	170.0	178.8	177.0	173.5	154.2	131.5	119.2	113.9	106.9
72.5°	94.7	119.2	136.7	142.0	143.7	138.5	122.7	101.7	89.4	82.4	77.1
75°	70.1	89.4	103.4	110.4	113.9	110.4	94.7	80.6	68.4	63.1	57.8
77.5°	24.5	29.8	36.8	40.3	38.6	36.8	33.3	33.3	26.3	24.5	21.0
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



REPORT NUMBER: P636283

CATALOG NUMBER: GWS-SA3F-740-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7
2.5°	2073.6	2105.1	2163.0	2215.6	2271.6	2329.5	2392.6	2457.4	2487.2	2483.7
5°	1875.5	1943.9	2038.5	2141.9	2257.6	2382.1	2520.5	2662.5	2723.9	2750.2
7.5°	1751.1	1847.5	1971.9	2103.4	2255.9	2432.9	2641.5	2864.1	2953.5	2983.3
10°	1766.8	1879.0	1982.4	2110.4	2273.4	2503.0	2762.4	3027.1	3132.3	3165.6
12.5°	1894.8	1919.3	1947.4	2052.5	2257.6	2555.6	2872.9	3188.4	3309.3	3342.6
15°	2010.5	1896.5	1844.0	1940.4	2201.5	2592.4	2985.0	3361.9	3495.1	3533.7
17.5°	2015.7	1844.0	1726.5	1801.9	2110.4	2608.2	3095.5	3538.9	3684.4	3721.2
20°	1950.9	1786.1	1635.4	1637.1	1985.9	2604.7	3186.6	3698.4	3861.4	3894.7
22.5°	1856.2	1717.8	1561.8	1507.4	1852.7	2597.7	3286.5	3868.5	4045.5	4077.0
25°	1751.1	1630.1	1491.6	1409.3	1719.5	2604.7	3426.7	4091.1	4285.6	4315.4
27.5°	1637.1	1533.7	1437.3	1370.7	1607.3	2631.0	3595.0	4375.0	4606.4	4637.9
30°	1517.9	1440.8	1402.2	1361.9	1537.2	2638.0	3777.3	4706.3	4999.0	5042.8
32.5°	1400.5	1358.4	1360.2	1367.2	1470.6	2588.9	3943.8	5074.4	5465.3	5535.4
35°	1291.8	1279.6	1314.6	1349.7	1374.2	2462.7	4089.3	5509.1	6041.9	6113.8
37.5°	1198.9	1209.4	1253.3	1288.3	1269.0	2283.9	4282.1	6052.5	6687.0	6748.3
40°	1109.5	1135.8	1186.7	1202.4	1188.4	2075.3	4513.5	6576.5	7246.1	7330.3
42.5°	1027.1	1046.4	1118.3	1121.8	1165.6	1863.2	4736.1	7140.9	7889.4	7933.2
45°	960.5	957.0	1030.7	1053.4	1195.4	1628.4	4953.4	7892.9	8730.7	8793.8
47.5°	895.7	892.2	909.7	1013.1	1207.7	1411.0	5169.0	8993.7	9950.7	10059.4
50°	834.3	839.6	785.3	993.8	1141.1	1244.5	5267.2	10012.1	11060.2	11105.8
52.5°	780.0	760.7	666.1	930.7	999.1	1086.7	4988.5	10474.8	11747.3	11877.0
55°	702.9	596.0	548.6	755.5	788.8	948.3	4085.8	10206.6	11806.9	12036.5
57.5°	601.2	468.0	466.2	557.4	557.4	879.9	2616.9	8720.2	10175.1	10578.2
60°	462.7	362.8	385.6	387.4	357.6	641.5	1468.9	6317.1	7523.1	7924.5
62.5°	329.5	276.9	291.0	231.4	205.1	320.8	704.6	3637.1	4643.2	4699.3
65°	220.9	187.6	152.5	128.0	126.2	136.7	291.0	1314.6	1598.6	1803.6
67.5°	145.5	113.9	80.6	80.6	91.1	91.1	110.4	217.3	305.0	278.7
70°	94.7	78.9	50.8	49.1	59.6	59.6	56.1	59.6	63.1	63.1
72.5°	70.1	59.6	29.8	26.3	33.3	35.1	31.6	29.8	29.8	29.8
75°	52.6	42.1	17.5	12.3	15.8	21.0	17.5	12.3	12.3	10.5
77.5°	21.0	15.8	7.0	5.3	8.8	12.3	10.5	5.3	3.5	3.5
80°	1.8	3.5	3.5	3.5	5.3	7.0	8.8	3.5	1.8	1.8
82.5°	0.0	1.8	1.8	1.8	3.5	5.3	7.0	3.5	1.8	1.8
85°	0.0	0.0	0.0	0.0	3.5	5.3	3.5	1.8	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.8	5.3	3.5	1.8	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)