

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: P636338

Luminaire Tested: GWS-SA3F-750-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636338
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13343.2 lumens
Efficiency: N/A
Efficacy: 72.8 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

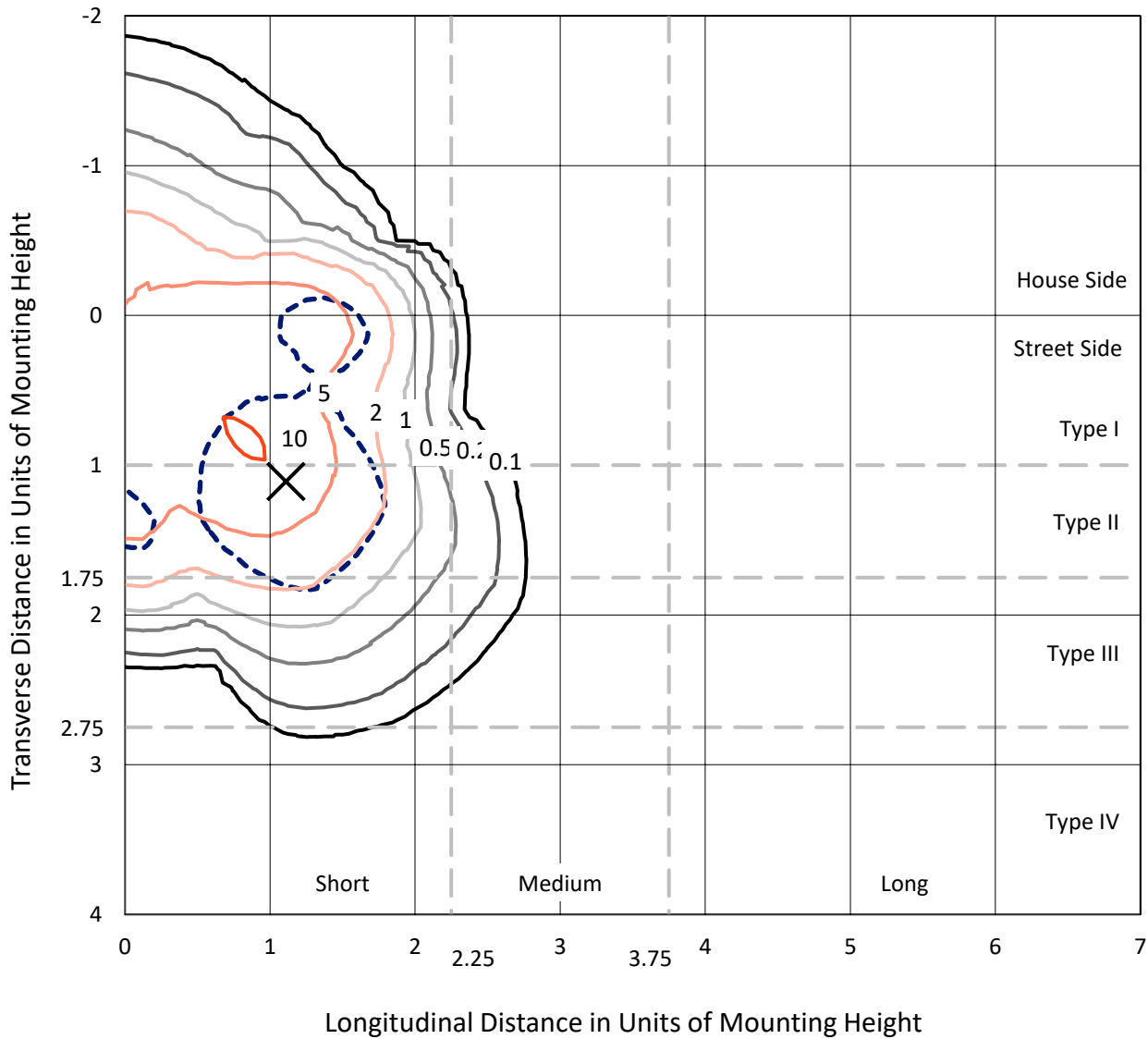
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

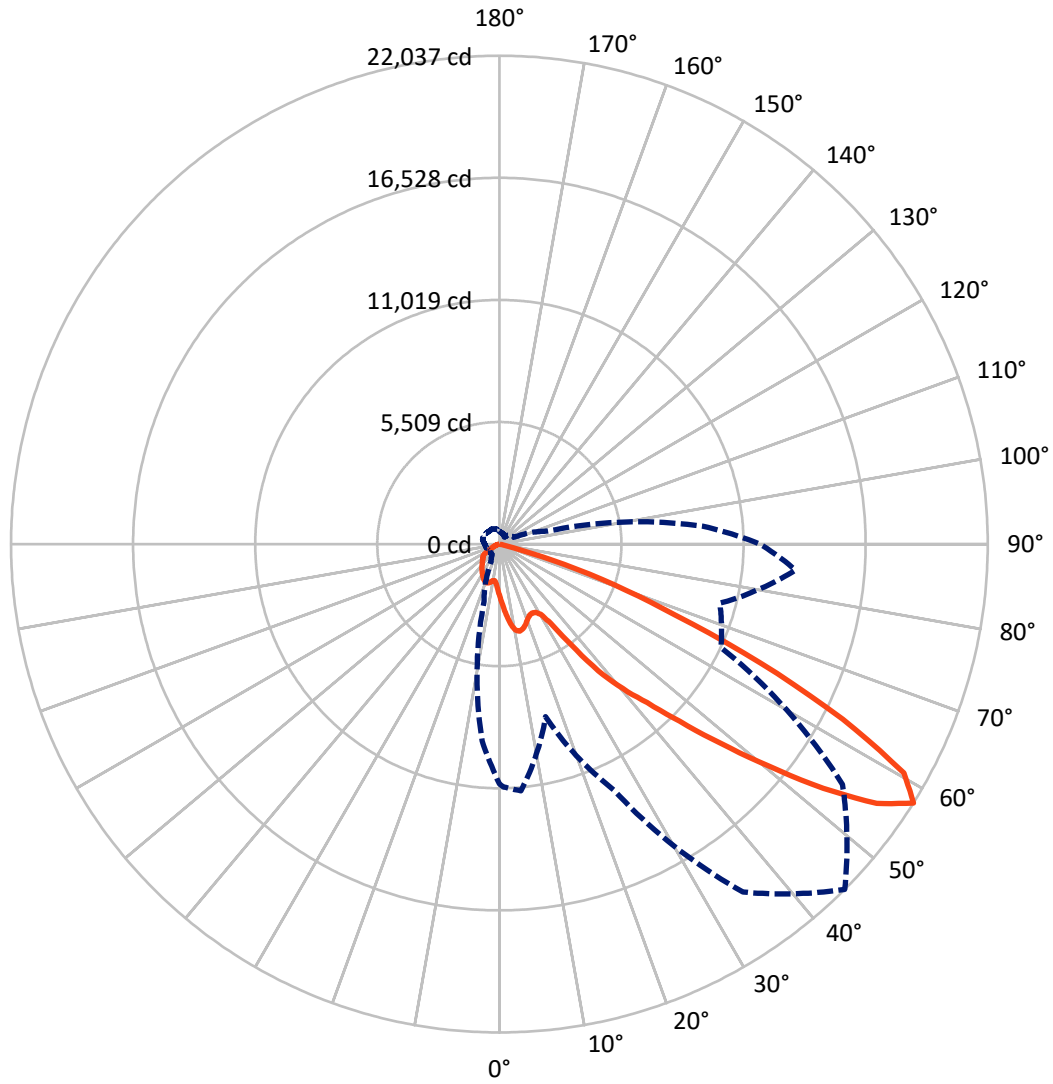
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.4 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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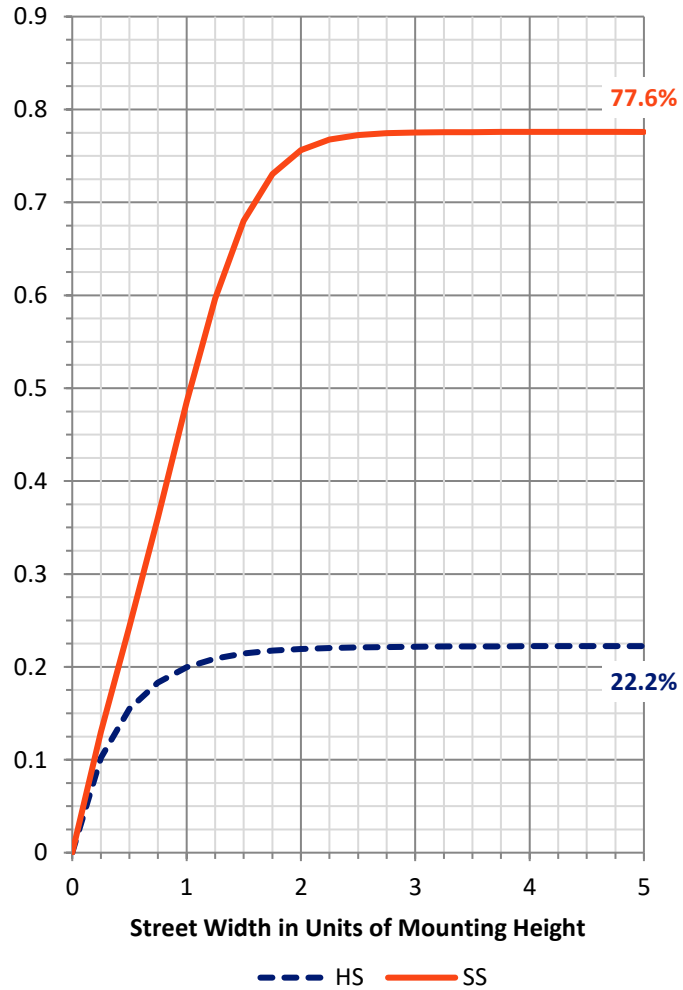
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2987.9	0.0	2987.9
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	10355.3	0.0	10355.3
	% Fixture	77.6	0.0	77.6
Total	Lumens	13343.2	0.0	13343.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.7	1.7
10°-20°	746.3	5.6
20°-30°	1212.4	9.1
30°-40°	1873.3	14.0
40°-50°	3003.9	22.5
50°-60°	4105.5	30.8
60°-70°	1988.4	14.9
70°-80°	182.1	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°	13343.2	100.0
0°-180°	13343.2	100.0

Coefficient of Utilization



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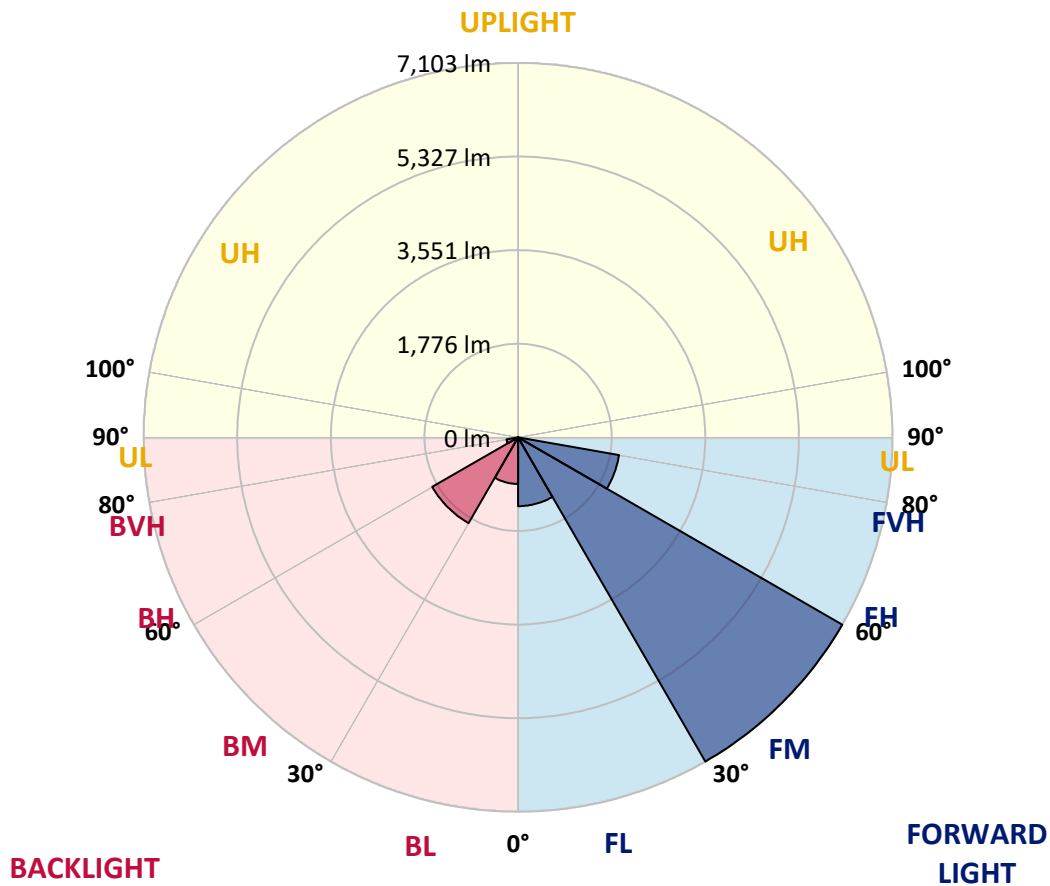
CATALOG NUMBER: GWS-SA3F-750-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1305.4	9.8			
FM (30°-60°)	7102.9	53.2			
FH (60°-80°)	1946.5	14.6			G2/5000
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	884.1	6.6	B2/1000		
BM (30°-60°)	1879.9	14.1	B2/2500		
BH (60°-80°)	224.0	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°	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2
2.5°	2540.6	2556.8	2583.7	2641.1	2689.5	2721.7	2736.1	2732.5	2712.8	2698.4	2669.7
5°	2813.2	2813.2	2865.2	2996.1	3096.5	3159.2	3191.5	3171.8	3132.3	3069.6	2972.8
7.5°	3051.6	3060.6	3148.5	3334.9	3487.3	3577.0	3629.0	3618.2	3548.3	3428.2	3234.5
10°	3238.1	3248.9	3365.4	3593.1	3772.4	3863.9	3941.0	3948.1	3871.0	3711.5	3489.1
12.5°	3419.2	3430.0	3551.9	3770.6	3928.4	3966.1	4034.2	4061.1	4041.4	3928.4	3697.1
15°	3614.6	3639.7	3743.7	3906.9	3973.2	3928.4	3973.2	4021.6	4088.0	4077.2	3869.2
17.5°	3806.5	3824.4	3930.2	3987.6	3914.1	3797.5	3819.0	3876.4	4027.0	4174.0	4039.6
20°	3984.0	4009.1	4096.9	4021.6	3799.3	3618.2	3620.0	3695.3	3924.8	4233.2	4213.5
22.5°	4170.5	4208.1	4270.9	4059.3	3693.5	3476.6	3485.5	3553.7	3844.1	4288.8	4410.7
25°	4414.3	4450.2	4491.4	4152.5	3659.5	3406.7	3440.7	3503.5	3844.1	4383.8	4654.6
27.5°	4744.2	4769.3	4771.1	4326.4	3718.6	3417.4	3489.1	3560.8	3958.9	4573.9	4980.9
30°	5158.4	5197.8	5145.8	4597.2	3903.3	3560.8	3666.6	3756.3	4206.3	4894.8	5461.4
32.5°	5662.2	5717.8	5647.9	4998.8	4288.8	4055.7	4247.6	4299.6	4600.8	5359.2	6006.5
35°	6253.9	6300.5	6225.2	5554.6	5188.9	5231.9	5579.7	5513.4	5393.3	5931.2	6643.0
37.5°	6903.0	6946.0	6800.8	6397.3	6519.3	6705.7	7261.5	7033.8	6646.6	6668.1	7333.3
40°	7498.2	7544.8	7317.1	7313.5	7564.6	7905.2	8575.8	8262.0	7734.9	7632.7	7980.5
42.5°	8115.0	8147.3	7941.1	7801.2	8371.4	9072.5	9782.5	9359.3	8455.7	8344.5	8791.0
45°	8995.4	9063.5	8695.9	8041.5	9097.6	10415.4	11405.1	10578.5	8946.9	8857.3	10031.7
47.5°	10289.9	10340.1	9590.6	8192.1	9773.5	12088.2	13433.0	12160.0	9379.0	9174.7	11727.8
50°	11360.3	11394.4	10413.6	8357.1	10492.5	13892.0	15744.1	14035.4	9864.9	9700.0	13311.0
52.5°	12149.2	12278.3	11494.8	8695.9	11437.4	16013.1	18302.7	16256.9	10623.4	10714.8	14623.5
55°	12312.4	12488.1	12233.5	8903.9	12269.3	18173.6	20665.8	18245.3	11380.0	11484.0	15064.6
57.5°	10820.6	10960.5	11172.0	8064.8	12249.6	19163.3	22037.4	18905.1	11035.8	10298.8	13413.2
60°	8106.0	8202.9	8586.6	6164.2	11265.3	18288.3	20968.8	17782.7	9649.8	7858.6	10220.0
62.5°	4807.0	4850.0	5335.9	3993.0	9350.4	15749.5	17390.1	15344.3	7625.5	5285.7	6259.3
65°	1845.0	1827.0	2198.2	1970.5	6876.1	12545.4	12934.5	11697.4	5231.9	2422.3	2386.4
67.5°	285.1	272.5	367.6	582.7	4959.4	8694.1	8534.6	8430.6	3277.6	564.8	493.1
70°	64.5	64.5	78.9	172.1	3030.1	5108.2	5466.8	5212.2	2097.8	120.1	64.5
72.5°	30.5	30.5	37.7	73.5	1097.3	2105.0	2452.8	2415.1	681.3	39.4	23.3
75°	10.8	12.6	12.6	16.1	66.3	109.4	251.0	179.3	43.0	0.0	0.0
77.5°	3.6	3.6	3.6	3.6	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°	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2
2.5°	2607.0	2594.4	2547.8	2485.1	2424.1	2370.3	2314.7	2248.4	2200.0	2144.4	2126.5
5°	2897.4	2818.6	2691.3	2558.6	2436.7	2332.7	2232.3	2124.7	2045.8	1966.9	1940.0
7.5°	3143.1	3026.5	2820.3	2621.3	2454.6	2307.6	2162.3	2015.3	1900.6	1807.3	1778.6
10°	3363.6	3229.1	2953.0	2707.4	2497.6	2327.3	2151.6	1966.9	1818.1	1706.9	1680.0
12.5°	3553.7	3397.7	3066.0	2771.9	2515.5	2320.1	2149.8	2002.8	1868.3	1741.0	1706.9
15°	3713.3	3541.1	3161.0	2815.0	2488.6	2230.5	2081.6	2058.3	2047.6	1907.7	1841.4
17.5°	3869.2	3675.6	3238.1	2834.7	2413.3	2072.7	1965.1	2070.9	2183.8	2092.4	2008.1
20°	4032.4	3811.9	3317.0	2838.3	2287.8	1895.2	1877.2	2044.0	2187.4	2158.7	2079.9
22.5°	4224.2	3982.2	3415.6	2836.5	2130.1	1744.6	1812.7	1992.0	2108.5	2106.7	2044.0
25°	4502.2	4197.4	3548.3	2847.2	1957.9	1628.0	1741.0	1904.1	1999.2	1995.6	1943.6
27.5°	4799.8	4453.7	3720.4	2874.1	1810.9	1559.9	1656.7	1784.0	1866.5	1862.9	1818.1
30°	5217.6	4749.6	3885.4	2875.9	1705.1	1524.0	1563.5	1651.3	1730.2	1721.3	1687.2
32.5°	5725.0	5083.1	4023.4	2773.7	1638.8	1490.0	1466.7	1511.5	1572.4	1559.9	1550.9
35°	6338.2	5479.3	4141.8	2549.6	1536.6	1421.8	1359.1	1368.0	1411.1	1418.2	1414.7
37.5°	7037.4	5950.9	4288.8	2253.8	1398.5	1323.2	1238.9	1231.8	1256.9	1280.2	1298.1
40°	7727.7	6481.6	4487.8	1954.3	1273.0	1197.7	1117.0	1099.1	1109.9	1151.1	1188.7
42.5°	8504.1	7096.6	4703.0	1697.9	1186.9	1059.6	982.6	948.5	979.0	1045.3	1090.1
45°	9622.9	7959.0	4912.8	1493.5	1151.1	937.7	833.7	830.1	864.2	950.3	1000.5
47.5°	11193.5	9074.2	5050.8	1334.0	1149.3	842.7	719.0	740.5	779.9	864.2	921.6
50°	12724.7	10471.0	4898.4	1212.1	1111.6	779.9	632.9	676.0	715.4	788.9	848.1
52.5°	13648.1	11222.2	4304.9	1097.3	995.1	751.3	548.7	624.0	631.1	697.5	760.2
55°	13551.3	10736.3	3297.3	919.8	823.0	710.0	460.8	563.0	566.6	616.8	670.6
57.5°	11761.9	9217.7	2264.5	745.9	618.6	586.3	380.1	475.1	509.2	539.7	579.1
60°	8765.9	6725.4	1009.4	606.0	392.7	396.2	324.5	358.6	410.6	446.5	480.5
62.5°	5165.6	3869.2	410.6	364.0	216.9	249.2	261.8	261.8	294.0	320.9	342.5
65°	1952.5	1353.7	166.7	182.9	113.0	116.5	154.2	190.1	215.2	238.5	267.2
67.5°	342.5	236.7	86.1	68.1	66.3	59.2	78.9	123.7	138.1	156.0	168.5
70°	57.4	48.4	35.9	34.1	30.5	32.3	52.0	87.9	96.8	102.2	107.6
72.5°	16.1	14.3	10.8	9.0	7.2	9.0	32.3	68.1	71.7	75.3	80.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	12.6	48.4	52.0	53.8	59.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	14.3	17.9	14.3
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°	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2
2.5°	2115.7	2079.9	2060.1	2049.4	2049.4	2035.0	2018.9	2013.5	2036.8	2036.8	2076.3
5°	1905.9	1877.2	1845.0	1825.2	1794.8	1800.1	1782.2	1780.4	1803.7	1814.5	1855.7
7.5°	1760.7	1724.8	1705.1	1692.6	1676.4	1669.3	1653.1	1647.7	1660.3	1678.2	1717.7
10°	1663.9	1658.5	1656.7	1665.7	1665.7	1656.7	1642.4	1633.4	1637.0	1671.1	1715.9
12.5°	1689.0	1699.7	1703.3	1717.7	1724.8	1717.7	1706.9	1710.5	1733.8	1796.6	1862.9
15°	1798.4	1789.4	1785.8	1793.0	1798.4	1791.2	1787.6	1814.5	1895.2	1984.8	2060.1
17.5°	1914.9	1857.5	1832.4	1832.4	1836.0	1832.4	1836.0	1888.0	2018.9	2108.5	2164.1
20°	1974.1	1868.3	1828.8	1819.9	1827.0	1828.8	1841.4	1900.6	2044.0	2106.7	2119.3
22.5°	1956.1	1823.5	1778.6	1771.5	1778.6	1785.8	1798.4	1848.6	1983.0	2015.3	2009.9
25°	1866.5	1735.6	1699.7	1699.7	1715.9	1714.1	1719.5	1755.3	1866.5	1886.2	1877.2
27.5°	1753.5	1629.8	1599.3	1617.3	1631.6	1628.0	1629.8	1660.3	1742.8	1748.2	1739.2
30°	1638.8	1531.2	1502.5	1524.0	1543.8	1540.2	1542.0	1572.4	1624.4	1619.1	1606.5
32.5°	1522.2	1443.3	1421.8	1434.4	1464.9	1461.3	1468.4	1500.7	1520.4	1497.1	1482.8
35°	1414.7	1373.4	1357.3	1364.5	1387.8	1393.1	1405.7	1427.2	1427.2	1398.5	1373.4
37.5°	1314.3	1308.9	1298.1	1289.1	1310.7	1326.8	1344.7	1369.8	1334.0	1292.7	1269.4
40°	1221.0	1244.3	1230.0	1206.7	1219.2	1242.5	1278.4	1298.1	1255.1	1213.8	1174.4
42.5°	1135.0	1174.4	1169.0	1140.3	1151.1	1172.6	1213.8	1230.0	1179.8	1133.2	1095.5
45°	1052.5	1108.1	1111.6	1075.8	1086.5	1108.1	1156.5	1161.8	1097.3	1047.1	1020.2
47.5°	980.8	1041.7	1043.5	1016.6	1020.2	1050.7	1095.5	1097.3	1023.8	977.2	943.1
50°	912.6	982.6	987.9	964.6	968.2	1004.1	1041.7	1034.5	955.7	907.2	876.8
52.5°	830.1	925.2	937.7	927.0	941.3	970.0	993.3	968.2	876.8	828.4	801.5
55°	740.5	864.2	891.1	883.9	900.1	923.4	928.8	912.6	797.9	749.5	724.4
57.5°	636.5	711.8	758.4	744.1	756.6	779.9	796.1	783.5	697.5	659.8	638.3
60°	527.1	577.3	588.1	564.8	554.0	595.3	632.9	616.8	543.3	520.0	494.9
62.5°	385.5	442.9	450.0	419.6	407.0	451.8	484.1	468.0	387.3	362.2	342.5
65°	308.4	362.2	376.5	347.8	340.7	374.7	394.5	355.0	297.6	270.7	249.2
67.5°	202.6	245.6	283.3	281.5	267.2	277.9	263.6	231.3	190.1	175.7	161.4
70°	125.5	150.6	173.9	182.9	181.1	177.5	157.8	134.5	121.9	116.5	109.4
72.5°	96.8	121.9	139.9	145.2	147.0	141.6	125.5	104.0	91.4	84.3	78.9
75°	71.7	91.4	105.8	113.0	116.5	113.0	96.8	82.5	69.9	64.5	59.2
77.5°	25.1	30.5	37.7	41.2	39.4	37.7	34.1	34.1	26.9	25.1	21.5
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



REPORT NUMBER: P636338
 CATALOG NUMBER: GWS-SA3F-750-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2
2.5°	2121.1	2153.4	2212.5	2266.3	2323.7	2382.9	2447.4	2513.8	2544.2	2540.6
5°	1918.5	1988.4	2085.2	2191.0	2309.4	2436.7	2578.3	2723.5	2786.3	2813.2
7.5°	1791.2	1889.8	2017.1	2151.6	2307.6	2488.6	2702.0	2929.7	3021.2	3051.6
10°	1807.3	1922.1	2027.9	2158.7	2325.5	2560.4	2825.7	3096.5	3204.0	3238.1
12.5°	1938.2	1963.3	1992.0	2099.6	2309.4	2614.2	2938.7	3261.4	3385.1	3419.2
15°	2056.5	1940.0	1886.2	1984.8	2252.0	2651.8	3053.4	3438.9	3575.2	3614.6
17.5°	2061.9	1886.2	1766.1	1843.2	2158.7	2667.9	3166.4	3620.0	3768.8	3806.5
20°	1995.6	1827.0	1672.8	1674.6	2031.4	2664.4	3259.6	3783.2	3949.9	3984.0
22.5°	1898.8	1757.1	1597.5	1542.0	1895.2	2657.2	3361.8	3957.1	4138.2	4170.5
25°	1791.2	1667.5	1525.8	1441.6	1758.9	2664.4	3505.3	4184.8	4383.8	4414.3
27.5°	1674.6	1568.9	1470.2	1402.1	1644.2	2691.3	3677.4	4475.3	4711.9	4744.2
30°	1552.7	1473.8	1434.4	1393.1	1572.4	2698.4	3863.9	4814.1	5113.6	5158.4
32.5°	1432.6	1389.6	1391.3	1398.5	1504.3	2648.2	4034.2	5190.7	5590.5	5662.2
35°	1321.4	1308.9	1344.7	1380.6	1405.7	2519.1	4183.0	5635.3	6180.4	6253.9
37.5°	1226.4	1237.2	1282.0	1317.8	1298.1	2336.2	4380.2	6191.1	6840.2	6903.0
40°	1135.0	1161.8	1213.8	1230.0	1215.6	2122.9	4616.9	6727.2	7412.2	7498.2
42.5°	1050.7	1070.4	1143.9	1147.5	1192.3	1905.9	4844.6	7304.6	8070.2	8115.0
45°	982.6	979.0	1054.3	1077.6	1222.8	1665.7	5066.9	8073.8	8930.8	8995.4
47.5°	916.2	912.6	930.6	1036.3	1235.4	1443.3	5287.5	9199.8	10178.7	10289.9
50°	853.5	858.8	803.3	1016.6	1167.2	1273.0	5387.9	10241.5	11313.7	11360.3
52.5°	797.9	778.2	681.3	952.1	1022.0	1111.6	5102.8	10714.8	12016.5	12149.2
55°	719.0	609.6	561.2	772.8	806.8	970.0	4179.4	10440.5	12077.5	12312.4
57.5°	615.0	478.7	476.9	570.2	570.2	900.1	2676.9	8920.0	10408.2	10820.6
60°	473.3	371.1	394.5	396.2	365.8	656.2	1502.5	6461.9	7695.4	8106.0
62.5°	337.1	283.3	297.6	236.7	209.8	328.1	720.8	3720.4	4749.6	4807.0
65°	225.9	191.8	156.0	130.9	129.1	139.9	297.6	1344.7	1635.2	1845.0
67.5°	148.8	116.5	82.5	82.5	93.2	93.2	113.0	222.3	312.0	285.1
70°	96.8	80.7	52.0	50.2	61.0	61.0	57.4	61.0	64.5	64.5
72.5°	71.7	61.0	30.5	26.9	34.1	35.9	32.3	30.5	30.5	30.5
75°	53.8	43.0	17.9	12.6	16.1	21.5	17.9	12.6	12.6	10.8
77.5°	21.5	16.1	7.2	5.4	9.0	12.6	10.8	5.4	3.6	3.6
80°	1.8	3.6	3.6	3.6	5.4	7.2	9.0	3.6	1.8	1.8
82.5°	0.0	1.8	1.8	1.8	3.6	5.4	7.2	3.6	1.8	1.8
85°	0.0	0.0	0.0	0.0	3.6	5.4	3.6	1.8	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.8	5.4	3.6	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)