

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: P636334

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636334
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-SA3F-750-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT 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: 13411.3 lumens
Efficiency: N/A
Efficacy: 73.2 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

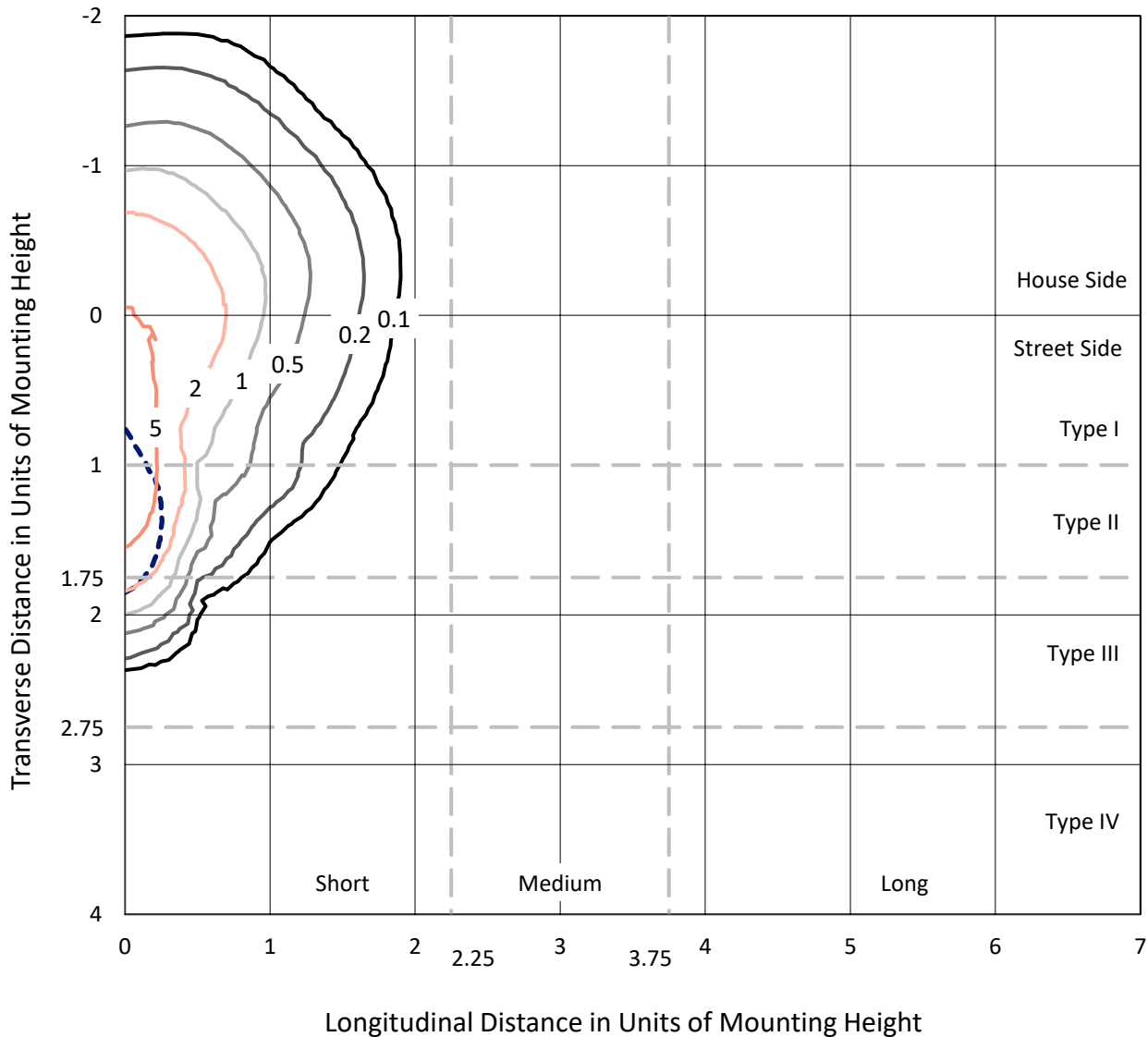
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636334
 CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

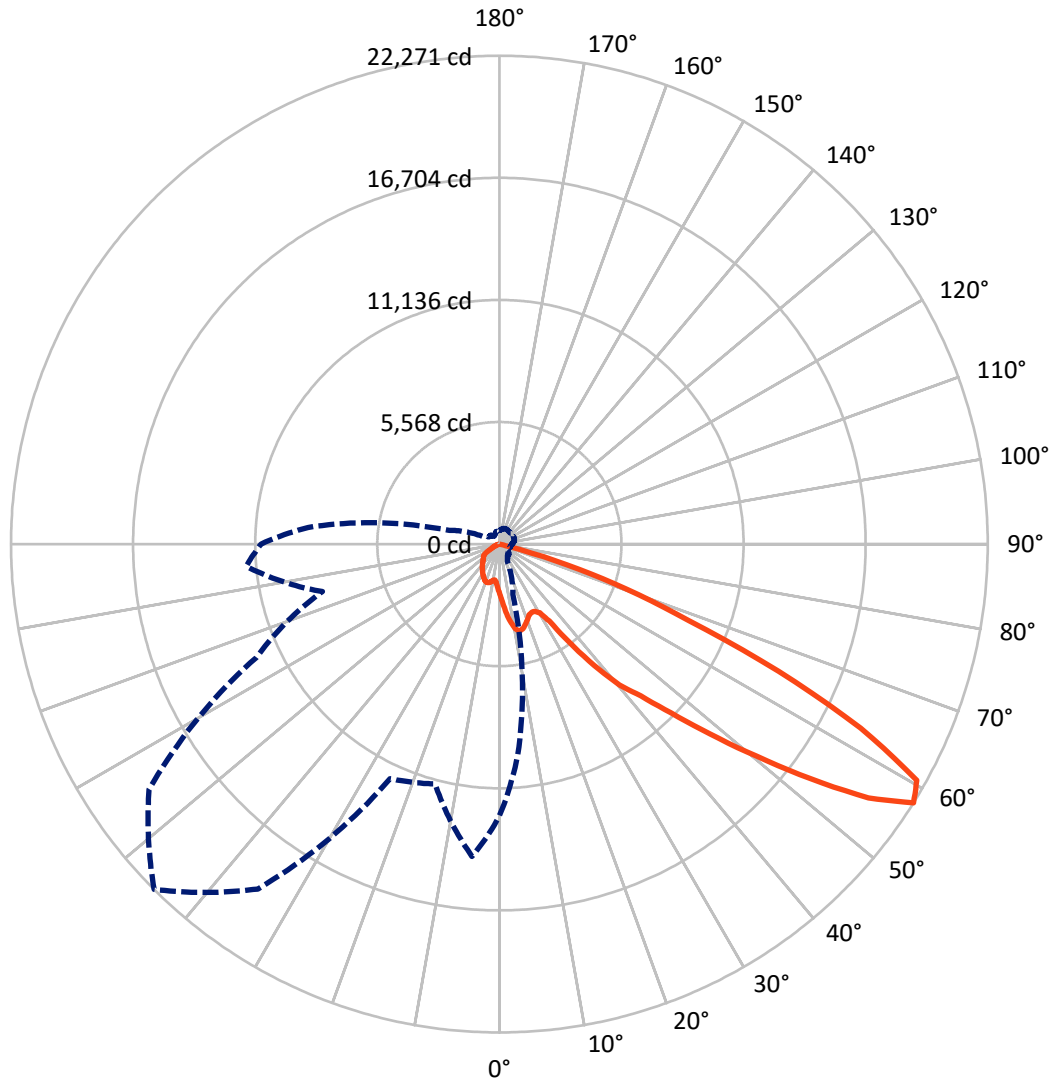
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.9 fc
 Type III - Short - N/A

REPORT NUMBER: P636334
CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636334
 CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2889.2	0.0	2889.2
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	10522.1	0.0	10522.1
	% Fixture	78.5	0.0	78.5
Total	Lumens	13411.3	0.0	13411.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.2	1.7
10°-20°	741.1	5.5
20°-30°	1202.8	9.0
30°-40°	1845.9	13.8
40°-50°	2948.1	22.0
50°-60°	4127.9	30.8
60°-70°	2116.5	15.8
70°-80°	203.8	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°	13411.3	100.0
0°-180°	13411.3	100.0

Coefficient of Utilization



REPORT NUMBER: P636334

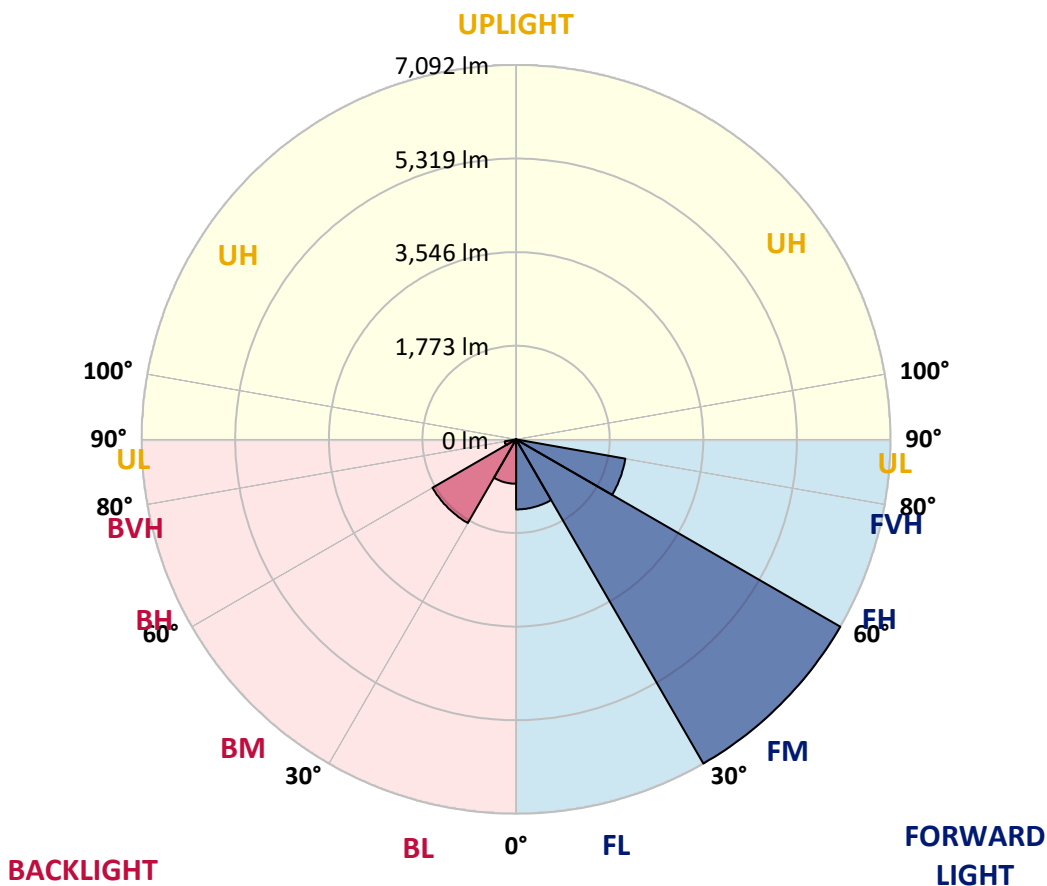
CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1327.8	9.9			
FM (30°-60°)	7092.2	52.9			
FH (60°-80°)	2102.0	15.7			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	841.3	6.3	B2/1000		
BM (30°-60°)	1829.7	13.6	B2/2500		
BH (60°-80°)	218.2	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: B2-U0-G2

Type III Short





REPORT NUMBER: P636334

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

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8
2.5°	2531.6	2526.2	2508.3	2447.3	2409.7	2350.5	2307.5	2251.9	2190.9	2153.3	2115.6
5°	2800.5	2786.2	2737.8	2597.9	2490.3	2373.8	2280.6	2178.4	2069.0	1997.3	1931.0
7.5°	3058.7	3037.2	2972.6	2736.0	2572.8	2406.1	2273.4	2124.6	1970.4	1862.8	1780.4
10°	3311.5	3263.1	3160.9	2870.4	2649.9	2449.1	2293.1	2122.8	1941.7	1805.5	1714.0
12.5°	3519.5	3483.6	3343.8	2997.7	2714.5	2458.1	2266.2	2108.5	1986.5	1895.1	1810.8
15°	3698.8	3659.3	3526.6	3112.5	2770.0	2422.2	2153.3	2015.2	2034.9	2070.8	1999.1
17.5°	3863.7	3822.5	3679.0	3207.5	2791.5	2334.4	1995.5	1929.2	2038.5	2173.0	2146.1
20°	4034.0	3987.4	3811.7	3284.6	2784.4	2196.3	1835.9	1855.7	2009.8	2164.0	2178.4
22.5°	4233.0	4184.6	3980.2	3383.2	2779.0	2031.4	1697.9	1791.1	1956.1	2086.9	2112.0
25°	4496.6	4439.2	4215.1	3528.4	2793.3	1880.8	1599.3	1728.4	1864.6	1982.9	1997.3
27.5°	4844.4	4770.9	4485.8	3707.7	2823.8	1762.4	1556.2	1642.3	1748.1	1853.9	1866.4
30°	5298.0	5204.8	4796.0	3863.7	2809.5	1679.9	1527.6	1556.2	1619.0	1705.0	1706.8
32.5°	5828.7	5701.4	5143.8	3998.2	2685.8	1619.0	1488.1	1468.4	1482.7	1549.1	1561.6
35°	6452.7	6287.7	5527.5	4125.5	2459.9	1500.7	1416.4	1350.1	1344.7	1376.9	1407.4
37.5°	7168.0	6970.8	6011.6	4288.6	2192.7	1376.9	1310.6	1244.3	1215.6	1231.7	1278.3
40°	7827.8	7609.1	6517.2	4485.8	1920.2	1265.8	1186.9	1118.8	1084.7	1090.1	1147.5
42.5°	8602.3	8376.4	7135.8	4744.0	1694.3	1190.5	1057.8	987.9	943.1	968.2	1034.5
45°	9778.5	9522.1	8037.6	4968.1	1515.0	1172.6	944.9	846.2	824.7	867.8	946.7
47.5°	11384.9	11071.2	9276.5	5104.4	1362.6	1188.7	866.0	731.5	736.9	785.3	864.2
50°	12978.8	12640.0	10709.0	4925.1	1237.1	1156.4	826.5	641.9	675.9	719.0	790.7
52.5°	14074.3	13633.2	11406.4	4407.0	1122.4	1034.5	822.9	557.6	622.1	636.5	697.4
55°	14117.3	13574.1	11049.7	3474.6	966.4	873.1	785.3	487.7	563.0	568.3	620.3
57.5°	12374.6	11883.4	9656.6	2386.4	858.8	640.1	625.7	426.7	462.6	507.4	539.7
60°	9414.5	8996.8	7221.8	1093.7	652.6	407.0	428.5	367.5	346.0	412.4	444.6
62.5°	5766.0	5498.8	4331.7	484.1	416.0	216.9	260.0	292.2	260.0	285.1	312.0
65°	2289.5	2171.2	1644.1	206.2	170.3	109.4	118.3	170.3	182.9	200.8	225.9
67.5°	398.0	376.5	276.1	91.4	69.9	66.3	57.4	78.9	111.2	123.7	143.4
70°	52.0	50.2	44.8	37.7	35.9	32.3	25.1	50.2	75.3	78.9	91.4
72.5°	12.6	10.8	10.8	9.0	10.8	3.6	3.6	26.9	53.8	55.6	64.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	34.1	37.7	44.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
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: P636334

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8
2.5°	2085.1	2049.3	2036.7	2018.8	1995.5	2002.7	1970.4	1959.6	1975.8	1997.3	1991.9
5°	1895.1	1855.7	1828.8	1787.5	1780.4	1764.2	1753.5	1739.1	1757.0	1782.1	1787.5
7.5°	1744.5	1710.4	1683.5	1671.0	1662.0	1654.8	1633.3	1622.6	1622.6	1633.3	1642.3
10°	1679.9	1654.8	1649.5	1653.1	1667.4	1665.6	1645.9	1631.5	1613.6	1604.6	1615.4
12.5°	1769.6	1728.4	1721.2	1723.0	1740.9	1739.1	1717.6	1699.7	1696.1	1699.7	1733.7
15°	1922.0	1859.2	1812.6	1803.7	1812.6	1809.0	1792.9	1782.1	1787.5	1839.5	1896.9
17.5°	2058.3	1961.4	1877.2	1844.9	1843.1	1837.7	1821.6	1818.0	1844.9	1941.7	2026.0
20°	2097.7	2002.7	1882.5	1841.3	1832.3	1827.0	1809.0	1814.4	1848.5	1965.0	2036.7
22.5°	2045.7	1954.3	1828.8	1787.5	1780.4	1778.6	1760.6	1767.8	1796.5	1898.7	1957.8
25°	1947.1	1870.0	1739.1	1703.3	1703.3	1699.7	1683.5	1687.1	1705.0	1794.7	1852.1
27.5°	1827.0	1753.5	1644.1	1608.2	1613.6	1619.0	1599.3	1593.9	1608.2	1692.5	1726.6
30°	1688.9	1636.9	1550.9	1518.6	1516.8	1538.3	1511.4	1504.2	1524.0	1590.3	1597.5
32.5°	1554.4	1529.3	1468.4	1443.3	1445.1	1448.7	1434.3	1434.3	1452.3	1488.1	1486.3
35°	1423.6	1407.4	1396.7	1378.7	1376.9	1369.8	1369.8	1373.4	1393.1	1405.6	1382.3
37.5°	1298.1	1314.2	1326.7	1308.8	1294.5	1294.5	1294.5	1310.6	1328.5	1323.2	1283.7
40°	1186.9	1221.0	1260.4	1240.7	1206.6	1204.8	1212.0	1238.9	1265.8	1233.5	1197.7
42.5°	1091.9	1134.9	1190.5	1179.7	1142.1	1136.7	1142.1	1176.1	1197.7	1156.4	1117.0
45°	998.6	1052.4	1118.8	1118.8	1077.5	1072.2	1073.9	1118.8	1131.3	1082.9	1032.7
47.5°	919.8	978.9	1048.8	1048.8	1014.8	1004.0	1013.0	1059.6	1068.6	1000.4	953.8
50°	844.5	909.0	986.1	980.7	957.4	948.4	964.6	1014.8	1004.0	928.7	880.3
52.5°	749.4	817.6	923.3	928.7	916.2	918.0	937.7	970.0	939.5	848.0	806.8
55°	663.4	733.3	839.1	867.8	867.8	866.0	874.9	900.0	874.9	765.6	715.4
57.5°	570.1	629.3	717.2	724.3	729.7	710.0	722.5	756.6	744.1	650.8	622.1
60°	467.9	518.1	568.3	573.7	550.4	509.2	532.5	571.9	580.9	511.0	478.7
62.5°	331.7	380.1	439.3	439.3	416.0	374.7	405.2	439.3	426.7	355.0	335.3
65°	247.4	292.2	337.1	356.8	337.1	308.4	331.7	356.8	337.1	277.9	249.2
67.5°	159.6	190.0	216.9	233.1	236.7	233.1	243.8	236.7	213.4	173.9	157.8
70°	96.8	113.0	127.3	141.6	152.4	157.8	163.2	147.0	123.7	102.2	96.8
72.5°	69.9	84.3	96.8	107.6	120.1	123.7	123.7	113.0	91.4	71.7	66.3
75°	48.4	61.0	71.7	78.9	89.6	93.2	93.2	84.3	68.1	52.0	46.6
77.5°	1.8	12.6	12.6	10.8	14.3	17.9	17.9	21.5	19.7	14.3	12.6
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



REPORT NUMBER: P636334
 CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8
2.5°	2002.7	2067.2	2085.1	2151.5	2210.6	2269.8	2341.5	2384.6	2449.1	2493.9	2519.0
5°	1805.5	1859.2	1923.8	2022.4	2124.6	2237.5	2373.8	2492.1	2640.9	2750.3	2786.2
7.5°	1662.0	1731.9	1807.2	1931.0	2070.8	2221.4	2413.2	2606.9	2834.6	2983.4	3078.4
10°	1635.1	1706.8	1807.2	1929.2	2076.2	2248.3	2483.2	2734.2	3019.2	3200.3	3307.9
12.5°	1764.2	1841.3	1884.3	1939.9	2051.1	2242.9	2544.1	2863.3	3198.5	3395.8	3510.5
15°	1954.3	2022.4	1952.5	1882.5	1954.3	2185.5	2578.2	2970.8	3356.3	3584.0	3702.3
17.5°	2085.1	2090.5	1938.1	1789.3	1809.0	2081.6	2590.7	3078.4	3524.8	3763.3	3887.0
20°	2072.6	2029.6	1875.4	1710.4	1649.5	1947.1	2576.4	3173.4	3695.2	3944.4	4066.3
22.5°	1975.8	1925.6	1794.7	1633.3	1515.0	1787.5	2551.3	3259.5	3851.2	4134.4	4249.2
25°	1859.2	1805.5	1697.9	1556.2	1428.9	1633.3	2531.6	3377.8	4048.4	4381.9	4471.5
27.5°	1723.0	1676.4	1584.9	1482.7	1393.1	1516.8	2526.2	3533.8	4286.8	4683.1	4745.8
30°	1590.3	1547.3	1475.6	1416.4	1378.7	1448.7	2508.3	3700.5	4571.9	5029.1	5097.2
32.5°	1463.0	1420.0	1375.2	1366.2	1368.0	1423.6	2447.3	3865.5	4910.8	5531.1	5581.3
35°	1353.6	1303.4	1285.5	1307.0	1346.5	1380.5	2275.2	4001.8	5274.7	6077.9	6119.2
37.5°	1249.7	1199.5	1197.7	1249.7	1292.7	1314.2	2072.6	4136.2	5766.0	6633.7	6685.7
40°	1154.6	1104.4	1122.4	1185.1	1219.2	1229.9	1827.0	4340.6	6285.9	7220.0	7191.3
42.5°	1073.9	1022.0	1032.7	1113.4	1143.9	1172.6	1601.1	4510.9	6786.1	7775.8	7766.9
45°	995.1	955.6	948.4	1036.3	1063.2	1177.9	1436.1	4641.8	7429.8	8484.0	8498.4
47.5°	918.0	887.5	889.3	926.9	993.3	1204.8	1296.3	4727.9	8363.9	9606.4	9357.2
50°	848.0	824.7	844.5	801.4	948.4	1170.8	1176.1	4710.0	9407.4	10682.1	10181.9
52.5°	770.9	765.6	774.5	670.5	876.7	1032.7	1063.2	4471.5	9896.8	11417.2	11132.1
55°	692.1	690.3	618.6	536.1	733.3	824.7	910.8	3731.0	9880.7	11808.1	12154.1
57.5°	598.8	584.5	469.7	437.5	570.1	573.7	830.1	2443.7	8756.5	10872.2	11589.3
60°	453.6	442.8	344.2	355.0	398.0	367.5	661.6	1217.4	6544.1	8469.7	9278.3
62.5°	313.8	299.4	256.4	274.3	256.4	209.8	405.2	602.4	3964.1	5348.2	6081.5
65°	229.5	213.4	175.7	150.6	120.1	120.1	154.2	231.3	1534.7	2273.4	2741.3
67.5°	141.6	134.5	104.0	75.3	73.5	78.9	80.7	114.7	247.4	394.4	482.3
70°	91.4	84.3	69.9	48.4	44.8	46.6	48.4	53.8	62.8	68.1	82.5
72.5°	62.8	59.2	50.2	26.9	21.5	23.3	25.1	25.1	30.5	28.7	34.1
75°	44.8	41.2	35.9	12.6	7.2	9.0	10.8	9.0	10.8	7.2	9.0
77.5°	12.6	12.6	9.0	1.8	0.0	1.8	3.6	3.6	1.8	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	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: P636334

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8	2278.8
2.5°	2583.6	2624.8	2640.9	2617.6	2637.4	2605.1	2592.5	2544.1	2540.5	2531.6
5°	2931.4	3024.6	3080.2	3114.3	3074.8	3031.8	2967.3	2856.1	2822.0	2800.5
7.5°	3273.8	3419.1	3514.1	3558.9	3548.2	3460.3	3343.8	3157.3	3091.0	3058.7
10°	3571.5	3749.0	3863.7	3919.3	3896.0	3818.9	3652.1	3419.1	3331.2	3311.5
12.5°	3779.4	3942.6	4021.5	4069.9	4071.7	4041.2	3883.4	3648.6	3544.6	3519.5
15°	3910.3	3980.2	3982.0	4010.7	4060.9	4129.1	4055.5	3847.6	3736.4	3698.8
17.5°	3992.8	3915.7	3836.8	3844.0	3926.5	4107.5	4182.8	4023.3	3904.9	3863.7
20°	4052.0	3808.1	3661.1	3662.9	3747.2	4021.5	4270.7	4193.6	4071.7	4034.0
22.5°	4089.6	3713.1	3503.3	3498.0	3587.6	3919.3	4351.4	4396.2	4276.1	4233.0
25°	4166.7	3668.3	3408.3	3438.8	3517.7	3887.0	4460.7	4665.1	4554.0	4496.6
27.5°	4304.8	3713.1	3399.3	3469.3	3558.9	3982.0	4650.8	5023.7	4909.0	4844.4
30°	4543.2	3881.6	3537.4	3634.2	3741.8	4231.2	4969.9	5523.9	5359.0	5298.0
32.5°	4926.9	4231.2	3964.1	4172.1	4276.1	4640.0	5448.6	6085.1	5950.6	5828.7
35°	5455.8	5029.1	4998.6	5482.7	5457.6	5414.6	6036.7	6773.6	6571.0	6452.7
37.5°	6183.7	6312.8	6538.7	7019.2	7003.1	6675.0	6809.4	7424.4	7320.4	7168.0
40°	7092.7	7367.0	7750.7	8439.2	8224.0	7811.7	7757.9	8091.4	8007.1	7827.8
42.5°	7628.8	8102.1	8833.6	9452.2	9280.1	8559.3	8498.4	8982.4	8797.8	8602.3
45°	7878.0	8701.0	10135.3	10972.6	10450.8	9055.9	9032.6	10144.2	10040.3	9778.5
47.5°	7992.8	9305.2	11659.2	12926.8	11951.5	9491.6	9407.4	11829.6	11693.3	11384.9
50°	8120.1	10138.9	13495.2	15191.3	13764.1	9984.7	10045.6	13400.2	13342.8	12978.8
52.5°	8399.7	11021.0	15756.0	17780.2	15962.2	10757.4	11141.1	14881.1	14493.8	14074.3
55°	8819.3	11982.0	18108.3	20424.7	18205.1	11795.5	12326.2	15668.2	14581.7	14117.3
57.5°	8354.9	12222.2	19501.4	22271.4	19200.2	11799.1	11324.0	14303.8	12824.6	12374.6
60°	6630.2	11370.6	18965.3	21871.6	18352.1	10477.7	8670.5	11168.0	9715.7	9414.5
62.5°	4482.3	9536.4	16695.5	18497.4	15707.6	8242.0	5635.1	7263.0	6015.2	5766.0
65°	2456.3	7114.2	13489.8	13993.6	12293.9	5757.0	2899.1	3151.9	2400.7	2289.5
67.5°	677.7	4952.0	9925.5	9283.6	8625.7	3749.0	749.4	563.0	401.6	398.0
70°	170.3	3275.6	5947.1	6129.9	5289.1	2400.7	143.4	68.1	53.8	52.0
72.5°	71.7	1409.2	2822.0	3243.4	2707.3	1111.6	52.0	19.7	16.1	12.6
75°	9.0	113.0	240.2	364.0	249.2	120.1	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)