

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: P634854

Luminaire Tested: GWS-SA3C-750-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634854
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-750-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11164.1 lumens
Efficiency: N/A
Efficacy: 120.0 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

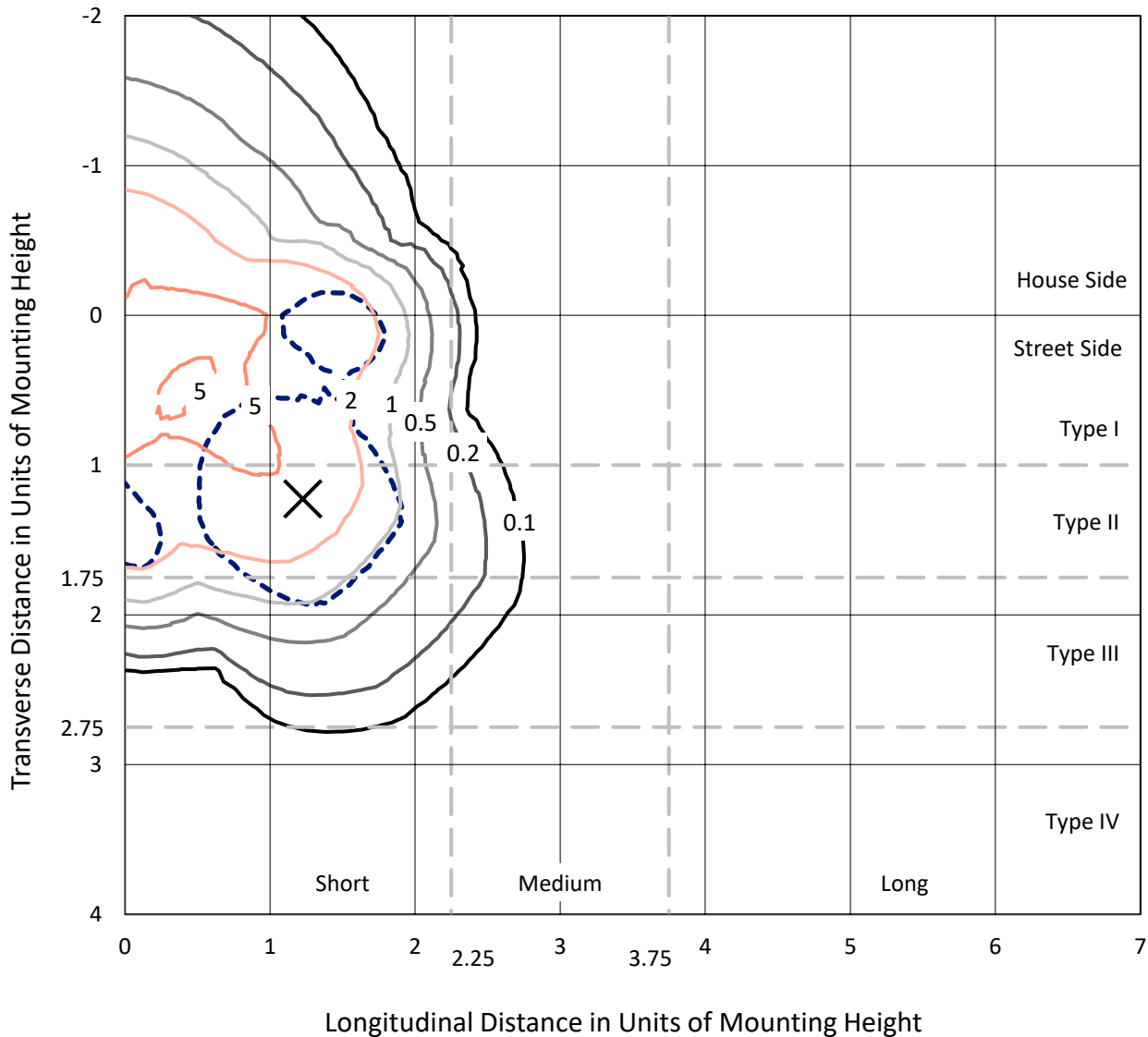
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634854
 CATALOG NUMBER: GWS-SA3C-750-U-SLR-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

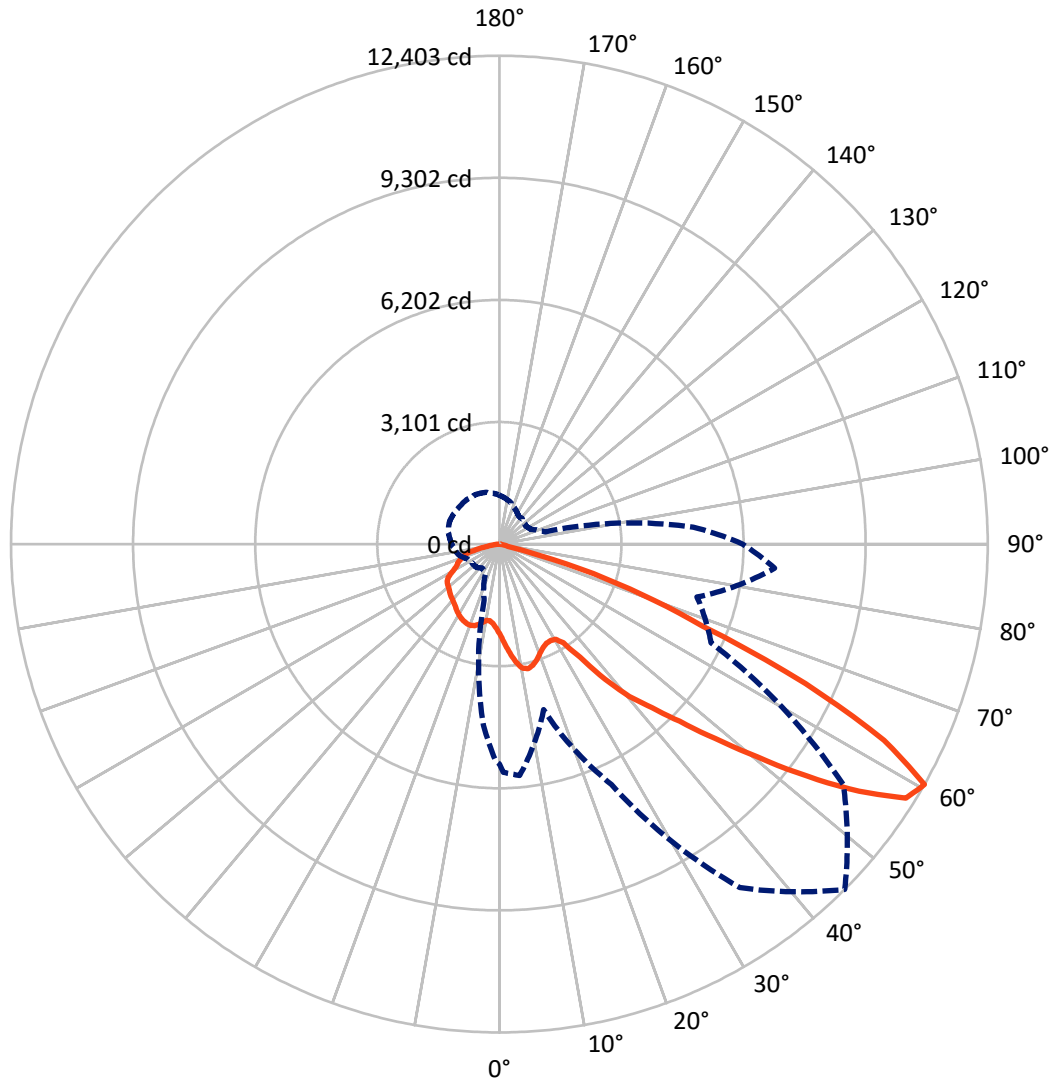
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Short - N/A

REPORT NUMBER: P634854
CATALOG NUMBER: GWS-SA3C-750-U-SLR-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P634854

CATALOG NUMBER: GWS-SA3C-750-U-SLR-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3913.4	0.0	3913.4
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	7250.7	0.0	7250.7
	% Fixture	64.9	0.0	64.9
Total	Lumens	11164.1	0.0	11164.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.8	2.0
10°-20°	707.1	6.3
20°-30°	1148.6	10.3
30°-40°	1619.8	14.5
40°-50°	2238.6	20.1
50°-60°	2881.7	25.8
60°-70°	1825.9	16.4
70°-80°	468.5	4.2
80°-90°	50.1	0.4
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°	11164.1	100.0
0°-180°	11164.1	100.0

Coefficient of Utilization



REPORT NUMBER: P634854

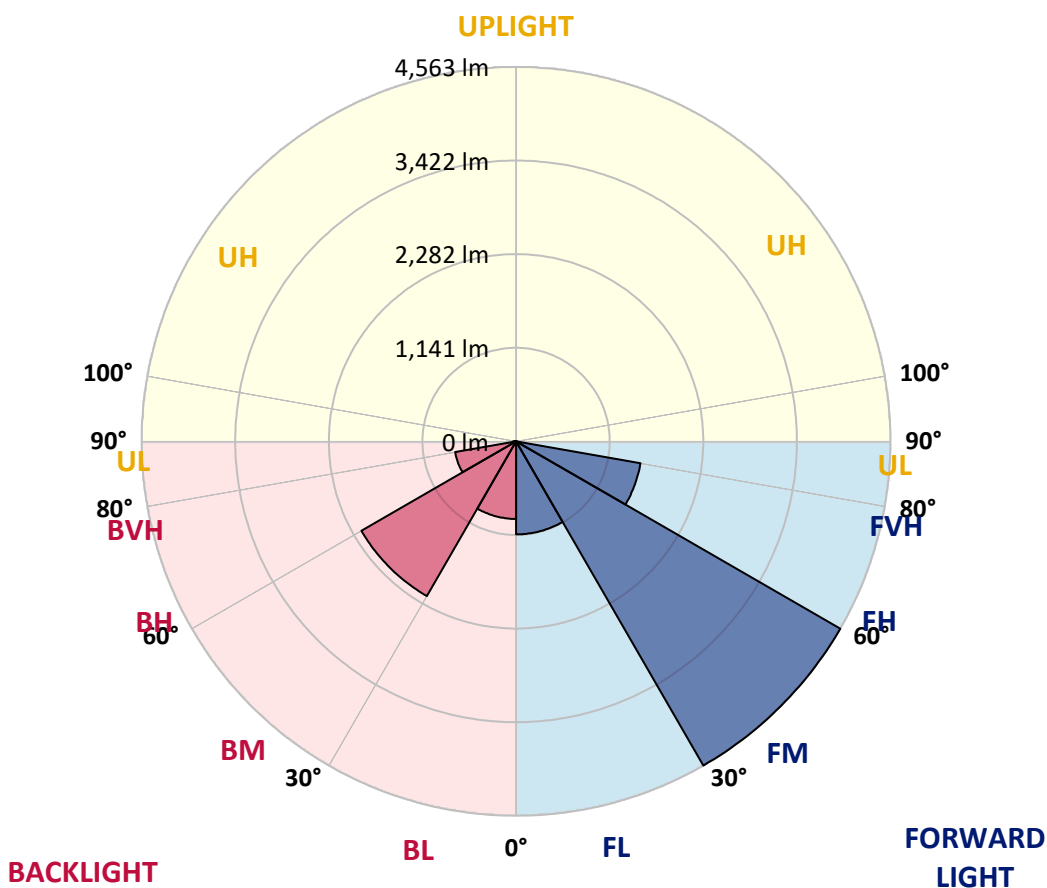
CATALOG NUMBER: GWS-SA3C-750-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1133.6	10.2			
FM (30°-60°)	4563.2	40.9			
FH (60°-80°)	1540.3	13.8			G1/1800
FVH (80°-90°)	13.6	0.1			G1/100
BL (0°-30°)	945.9	8.5	B2/1000		
BM (30°-60°)	2176.9	19.5	B2/2500		
BH (60°-80°)	754.2	6.8	B2/1000		G2/1000
BVH (80°-90°)	36.5	0.3			G1/100
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: P634854
 CATALOG NUMBER: GWS-SA3C-750-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4
2.5°	2398.8	2415.2	2425.4	2444.8	2479.6	2499.0	2520.5	2497.0	2503.1	2500.1	2462.2
5°	2541.0	2560.4	2587.0	2644.3	2708.7	2744.6	2778.3	2773.2	2741.5	2688.3	2650.4
7.5°	2674.0	2696.5	2742.5	2835.6	2930.7	2986.0	3026.9	3000.3	2973.7	2889.8	2794.7
10°	2778.3	2791.6	2854.0	2978.8	3089.3	3151.7	3201.8	3195.7	3158.8	3064.7	2936.9
12.5°	2876.5	2885.7	2953.2	3078.0	3177.3	3204.9	3245.8	3259.1	3246.8	3176.2	3050.4
15°	2981.9	2999.3	3061.7	3156.8	3201.8	3173.2	3187.5	3224.3	3259.1	3259.1	3143.5
17.5°	3080.1	3095.4	3158.8	3199.8	3156.8	3081.1	3085.2	3132.2	3215.1	3302.1	3228.4
20°	3167.0	3181.3	3243.7	3204.9	3068.8	2958.3	2955.3	3012.6	3146.6	3329.7	3319.4
22.5°	3262.2	3282.6	3334.8	3209.0	2987.0	2846.8	2845.8	2905.2	3086.2	3357.3	3423.8
25°	3397.2	3428.9	3455.5	3244.8	2943.0	2774.2	2787.5	2843.8	3066.8	3402.3	3578.2
27.5°	3597.7	3623.3	3621.2	3319.4	2941.0	2744.6	2772.2	2837.6	3101.6	3482.1	3740.9
30°	3814.5	3827.8	3806.4	3423.8	2988.0	2763.0	2803.9	2881.6	3189.5	3614.0	3980.3
32.5°	4054.9	4071.3	4030.4	3580.3	3097.5	2899.0	2989.0	3026.9	3313.3	3804.3	4234.0
35°	4331.1	4362.8	4277.9	3786.9	3419.7	3395.1	3526.1	3477.0	3576.2	4029.4	4505.0
37.5°	4621.6	4622.7	4500.9	4092.8	4051.9	4093.8	4355.7	4202.2	4133.7	4280.0	4781.2
40°	4868.2	4862.0	4674.8	4505.0	4602.2	4769.0	5085.0	4849.8	4669.7	4616.5	5010.4
42.5°	5114.7	5092.2	4903.0	4766.9	4981.7	5324.4	5681.4	5392.9	5013.4	4922.4	5236.4
45°	5429.8	5422.6	5194.5	4871.2	5324.4	5946.4	6420.0	5952.5	5217.0	5100.4	5612.9
47.5°	5938.2	5903.4	5478.9	4863.1	5645.6	6774.9	7373.4	6657.3	5359.2	5104.5	6220.5
50°	6435.3	6392.4	5818.5	4862.0	5977.0	7634.2	8498.6	7513.5	5504.4	5129.0	6838.4
52.5°	6937.6	6937.6	6376.0	4977.6	6324.8	8593.7	9798.8	8580.4	5752.0	5450.2	7598.4
55°	7236.3	7316.1	7003.1	5173.0	6732.0	9723.1	11084.6	9732.3	6134.6	6030.2	8300.1
57.5°	6856.8	7006.1	6961.1	5037.0	6972.4	10552.7	12175.0	10605.9	6323.8	6098.8	8194.8
60°	5587.3	5795.0	5898.3	4349.5	6735.0	10648.8	12403.2	10663.1	5933.1	5193.5	7019.4
62.5°	3714.3	3885.1	4042.7	3107.7	5830.8	9579.8	10970.0	9582.9	4955.1	3875.9	4863.1
65°	1821.9	1948.7	2118.5	1837.2	4555.2	8004.5	8552.8	7743.7	3584.4	2169.7	2480.6
67.5°	476.7	512.5	536.0	713.0	3263.2	5751.0	5578.1	5664.0	2302.6	708.9	648.5
70°	247.6	249.6	248.6	294.6	2205.5	3655.0	3844.2	3556.8	1607.0	296.7	255.7
72.5°	177.0	178.0	174.9	198.5	1064.9	2094.0	2169.7	2146.1	841.9	175.9	174.9
75°	115.6	116.6	114.6	116.6	160.6	238.3	219.9	231.2	140.1	111.5	111.5
77.5°	68.5	69.6	68.5	70.6	68.5	68.5	63.4	63.4	60.4	60.4	61.4
80°	46.0	46.0	45.0	47.1	43.0	43.0	40.9	39.9	36.8	35.8	35.8
82.5°	27.6	28.6	27.6	27.6	25.6	25.6	23.5	22.5	19.4	19.4	18.4
85°	14.3	14.3	13.3	13.3	11.3	10.2	8.2	8.2	6.1	5.1	5.1
87.5°	2.0	2.0	1.0	1.0	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: P634854

CATALOG NUMBER: GWS-SA3C-750-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4
2.5°	2452.0	2431.5	2400.8	2371.2	2343.6	2314.9	2282.2	2248.4	2219.8	2190.1	2174.8
5°	2600.3	2558.4	2478.6	2408.0	2344.6	2292.4	2236.1	2188.1	2143.1	2106.2	2087.8
7.5°	2734.3	2668.9	2548.1	2436.6	2350.7	2279.1	2201.4	2129.8	2069.4	2024.4	2007.0
10°	2858.1	2780.4	2621.8	2480.6	2380.4	2300.6	2205.5	2108.3	2028.5	1969.2	1954.8
12.5°	2958.3	2869.3	2680.1	2516.4	2397.8	2311.8	2228.0	2144.1	2065.3	1988.6	1976.3
15°	3047.3	2942.0	2724.1	2538.9	2391.6	2282.2	2211.6	2201.4	2201.4	2114.4	2089.9
17.5°	3124.1	3008.5	2759.9	2549.2	2352.8	2194.2	2151.2	2240.2	2340.5	2278.1	2222.9
20°	3212.0	3071.9	2789.6	2549.2	2281.2	2082.7	2078.6	2230.0	2378.3	2379.4	2321.1
22.5°	3301.0	3145.5	2824.3	2540.0	2183.0	1953.8	2029.5	2189.1	2321.1	2377.3	2337.4
25°	3445.3	3247.8	2879.6	2532.8	2068.4	1865.8	1985.5	2134.9	2246.4	2305.7	2280.1
27.5°	3628.4	3382.9	2963.5	2544.1	1954.8	1813.7	1938.5	2064.3	2165.6	2217.7	2199.3
30°	3833.0	3538.4	3053.5	2563.5	1873.0	1787.1	1882.2	1983.5	2073.5	2125.7	2117.5
32.5°	4093.8	3707.1	3131.2	2536.9	1827.0	1773.8	1822.9	1895.5	1982.5	2015.2	2022.4
35°	4405.8	3893.3	3190.6	2432.6	1785.0	1759.5	1758.4	1803.4	1864.8	1917.0	1922.1
37.5°	4693.3	4111.2	3256.0	2253.5	1709.3	1723.7	1682.7	1709.3	1769.7	1821.9	1842.3
40°	4977.6	4332.2	3347.1	2025.4	1610.1	1643.9	1595.8	1614.2	1662.3	1730.8	1763.6
42.5°	5253.8	4531.6	3443.2	1792.2	1510.9	1532.4	1496.6	1515.0	1565.1	1651.0	1687.9
45°	5554.6	4801.7	3517.9	1572.3	1425.0	1415.8	1387.1	1413.7	1489.4	1583.5	1627.5
47.5°	6123.3	5227.2	3567.0	1426.0	1378.9	1312.4	1279.7	1337.0	1422.9	1518.0	1571.2
50°	6817.9	5843.0	3552.7	1332.9	1339.0	1206.0	1194.8	1270.5	1362.6	1461.8	1520.1
52.5°	7368.2	6447.6	3390.0	1243.9	1261.3	1138.5	1105.8	1216.3	1304.2	1405.5	1465.9
55°	7788.7	6651.2	2890.8	1138.5	1134.4	1089.4	1020.9	1160.0	1245.9	1340.1	1405.5
57.5°	7446.0	6198.0	2143.1	993.3	968.7	992.3	925.8	1064.9	1174.3	1267.4	1325.7
60°	6179.6	4941.8	1193.8	879.7	810.2	867.5	857.2	964.6	1096.6	1194.8	1244.9
62.5°	4195.1	3290.8	707.9	695.6	656.7	738.6	792.8	863.4	993.3	1073.1	1120.1
65°	2090.9	1598.9	470.6	520.7	525.8	607.6	709.9	787.7	896.1	977.9	1025.0
67.5°	606.6	497.1	358.0	397.9	453.2	518.6	600.5	692.5	797.9	895.1	950.3
70°	261.9	264.9	284.4	331.4	385.6	453.2	535.0	625.0	714.0	788.7	830.6
72.5°	185.2	192.3	213.8	261.9	313.0	377.5	459.3	546.3	610.7	686.4	730.4
75°	118.7	123.8	141.2	178.0	215.8	278.2	356.0	435.8	502.3	556.5	598.4
77.5°	65.5	66.5	80.8	102.3	127.9	167.8	225.0	287.4	336.5	367.2	405.1
80°	37.8	37.8	45.0	58.3	73.7	98.2	129.9	160.6	190.3	209.7	228.1
82.5°	20.5	20.5	23.5	31.7	39.9	54.2	72.6	88.0	106.4	116.6	128.9
85°	6.1	6.1	8.2	11.3	14.3	20.5	28.6	36.8	45.0	52.2	59.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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: P634854

CATALOG NUMBER: GWS-SA3C-750-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4
2.5°	2171.7	2157.4	2149.2	2139.0	2142.0	2132.8	2127.7	2130.8	2112.4	2130.8	2149.2
5°	2080.7	2060.2	2043.8	2030.5	2024.4	2012.1	2005.0	2005.0	1993.7	2012.1	2034.6
7.5°	2000.9	1984.5	1976.3	1968.1	1958.9	1947.7	1935.4	1931.3	1924.2	1943.6	1963.0
10°	1947.7	1949.7	1954.8	1966.1	1964.0	1956.9	1938.5	1928.2	1928.2	1950.7	1980.4
12.5°	1972.2	1993.7	2006.0	2026.4	2030.5	2024.4	2006.0	1997.8	2018.3	2052.0	2101.1
15°	2067.4	2081.7	2091.9	2108.3	2107.3	2102.1	2087.8	2094.0	2161.5	2226.9	2270.9
17.5°	2170.7	2154.3	2152.3	2162.5	2165.6	2159.4	2151.2	2178.9	2290.4	2351.7	2374.2
20°	2245.4	2189.1	2176.8	2180.9	2189.1	2186.0	2186.0	2231.0	2346.6	2375.3	2346.6
22.5°	2267.9	2188.1	2169.7	2170.7	2181.9	2183.0	2188.1	2235.1	2302.6	2303.7	2259.7
25°	2232.1	2155.3	2142.0	2144.1	2157.4	2156.4	2158.4	2185.0	2214.7	2202.4	2169.7
27.5°	2164.5	2098.1	2094.0	2105.2	2122.6	2113.4	2107.3	2114.4	2128.7	2113.4	2084.8
30°	2087.8	2031.6	2033.6	2055.1	2073.5	2058.2	2042.8	2046.9	2047.9	2031.6	1998.8
32.5°	2007.0	1965.1	1972.2	1994.7	2016.2	1999.8	1983.5	1981.4	1962.0	1942.6	1910.9
35°	1926.2	1909.8	1919.0	1937.4	1955.9	1942.6	1932.3	1926.2	1884.3	1855.6	1829.0
37.5°	1852.5	1864.8	1881.2	1892.4	1898.6	1897.6	1891.4	1877.1	1821.9	1788.1	1753.3
40°	1787.1	1824.9	1842.3	1847.4	1856.6	1854.6	1853.6	1833.1	1760.5	1724.7	1684.8
42.5°	1727.7	1780.9	1810.6	1815.7	1820.8	1821.9	1818.8	1789.1	1706.3	1664.3	1626.5
45°	1670.5	1740.0	1777.9	1772.8	1779.9	1779.9	1783.0	1744.1	1653.1	1610.1	1570.2
47.5°	1620.3	1702.2	1737.0	1730.8	1734.9	1738.0	1741.0	1696.0	1594.8	1553.8	1512.9
50°	1574.3	1661.3	1690.9	1693.0	1693.0	1700.1	1699.1	1655.1	1545.7	1501.7	1460.8
52.5°	1525.2	1619.3	1651.0	1664.3	1668.4	1671.5	1657.2	1606.0	1495.5	1442.3	1404.5
55°	1467.9	1576.4	1605.0	1622.4	1630.6	1628.5	1609.1	1556.9	1444.4	1391.2	1348.2
57.5°	1381.0	1484.3	1525.2	1533.4	1546.7	1538.5	1516.0	1472.0	1362.6	1309.4	1265.4
60°	1285.8	1360.5	1393.2	1400.4	1390.2	1393.2	1390.2	1348.2	1253.1	1211.2	1166.2
62.5°	1161.0	1227.5	1262.3	1271.5	1254.1	1265.4	1261.3	1209.1	1114.0	1070.0	1030.1
65°	1066.9	1139.6	1180.5	1185.6	1180.5	1185.6	1171.3	1107.8	1017.8	972.8	931.9
67.5°	993.3	1068.0	1110.9	1125.2	1120.1	1119.1	1096.6	1022.9	929.9	880.8	828.6
70°	866.4	931.9	987.1	1021.9	1021.9	1002.5	959.5	891.0	816.3	774.4	733.4
72.5°	767.2	850.1	904.3	940.1	947.2	936.0	875.6	803.0	717.1	675.1	632.2
75°	632.2	713.0	771.3	818.4	827.6	815.3	745.7	674.1	594.3	553.4	510.4
77.5°	422.5	470.6	517.6	560.6	551.4	559.5	512.5	458.3	409.2	378.5	359.1
80°	238.3	270.1	284.4	307.9	307.9	307.9	277.2	251.6	224.0	206.6	187.2
82.5°	135.0	155.5	161.6	181.1	186.2	187.2	166.7	150.4	133.0	123.8	110.5
85°	62.4	73.7	74.7	85.9	90.0	98.2	89.0	77.7	67.5	63.4	55.2
87.5°	2.0	6.1	8.2	15.3	20.5	23.5	25.6	25.6	21.5	19.4	16.4
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: P634854

CATALOG NUMBER: GWS-SA3C-750-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4	2293.4
2.5°	2171.7	2196.3	2224.9	2245.4	2282.2	2312.9	2344.6	2379.4	2404.9	2398.8
5°	2062.2	2103.2	2155.3	2203.4	2272.0	2341.5	2418.2	2497.0	2543.0	2541.0
7.5°	2000.9	2059.2	2122.6	2187.0	2267.9	2368.1	2485.7	2608.5	2670.9	2674.0
10°	2033.6	2096.0	2139.0	2193.2	2278.1	2403.9	2545.1	2692.4	2764.0	2778.3
12.5°	2136.9	2131.8	2128.7	2167.6	2269.9	2429.5	2602.4	2778.3	2859.1	2876.5
15°	2235.1	2129.8	2066.3	2092.9	2233.1	2445.9	2658.6	2872.4	2963.5	2981.9
17.5°	2253.5	2094.0	1976.3	1994.7	2174.8	2451.0	2712.8	2964.5	3062.7	3080.1
20°	2202.4	2047.9	1910.9	1885.3	2101.1	2437.7	2746.6	3041.2	3148.6	3167.0
22.5°	2137.9	2007.0	1861.8	1795.3	2011.1	2424.4	2784.4	3122.0	3245.8	3262.2
25°	2070.4	1954.8	1815.7	1714.4	1908.8	2416.2	2847.9	3228.4	3377.8	3397.2
27.5°	1998.8	1891.4	1775.8	1675.6	1814.7	2426.4	2937.9	3400.3	3570.1	3597.7
30°	1922.1	1828.0	1750.3	1662.3	1750.3	2435.6	3037.1	3576.2	3775.7	3814.5
32.5°	1842.3	1769.7	1723.7	1668.4	1710.4	2414.1	3124.1	3773.6	4021.2	4054.9
35°	1762.5	1710.4	1689.9	1679.7	1657.2	2335.4	3194.6	3973.1	4301.5	4331.1
37.5°	1687.9	1649.0	1642.8	1654.1	1575.3	2206.5	3276.5	4226.8	4576.6	4621.6
40°	1618.3	1582.5	1581.5	1579.4	1485.3	2030.5	3387.0	4484.6	4847.7	4868.2
42.5°	1553.8	1508.8	1517.0	1492.5	1411.7	1840.3	3491.3	4704.5	5100.4	5114.7
45°	1496.6	1437.2	1446.4	1415.8	1376.9	1640.8	3583.4	4964.3	5420.6	5429.8
47.5°	1441.3	1377.9	1352.3	1350.3	1370.7	1456.7	3673.4	5464.5	5921.8	5938.2
50°	1390.2	1321.6	1249.0	1294.0	1332.9	1318.6	3785.9	6000.6	6439.4	6435.3
52.5°	1341.1	1251.1	1147.7	1234.7	1234.7	1216.3	3754.2	6325.9	6867.0	6937.6
55°	1284.8	1137.5	1042.4	1135.5	1090.5	1124.2	3192.6	6432.3	7136.0	7236.3
57.5°	1173.3	997.4	914.5	964.6	897.1	1042.4	2293.4	5904.4	6678.8	6856.8
60°	1065.9	894.1	839.8	830.6	742.7	850.1	1486.3	4622.7	5497.3	5587.3
62.5°	940.1	805.1	759.0	688.4	597.4	618.9	900.2	3042.2	3693.8	3714.3
65°	844.9	729.4	641.4	557.5	489.0	449.1	531.9	1466.9	1846.4	1821.9
67.5°	725.3	625.0	541.1	480.8	424.5	374.4	353.9	435.8	493.1	476.7
70°	645.5	549.3	468.5	411.2	359.1	308.9	273.1	256.8	251.6	247.6
72.5°	556.5	472.6	388.7	333.5	284.4	238.3	205.6	186.2	181.1	177.0
75°	444.0	365.2	288.5	236.3	193.3	160.6	139.1	122.8	119.7	115.6
77.5°	293.6	234.3	171.9	140.1	114.6	97.2	82.9	72.6	70.6	68.5
80°	161.6	135.0	105.4	84.9	68.5	59.3	54.2	48.1	47.1	46.0
82.5°	96.2	80.8	60.4	48.1	39.9	35.8	32.7	29.7	28.6	27.6
85°	48.1	37.8	26.6	22.5	20.5	18.4	18.4	15.3	14.3	14.3
87.5°	12.3	10.2	6.1	5.1	5.1	5.1	4.1	3.1	3.1	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)