

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: P634850

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-750-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT 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: 11106.8 lumens
Efficiency: N/A
Efficacy: 119.4 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

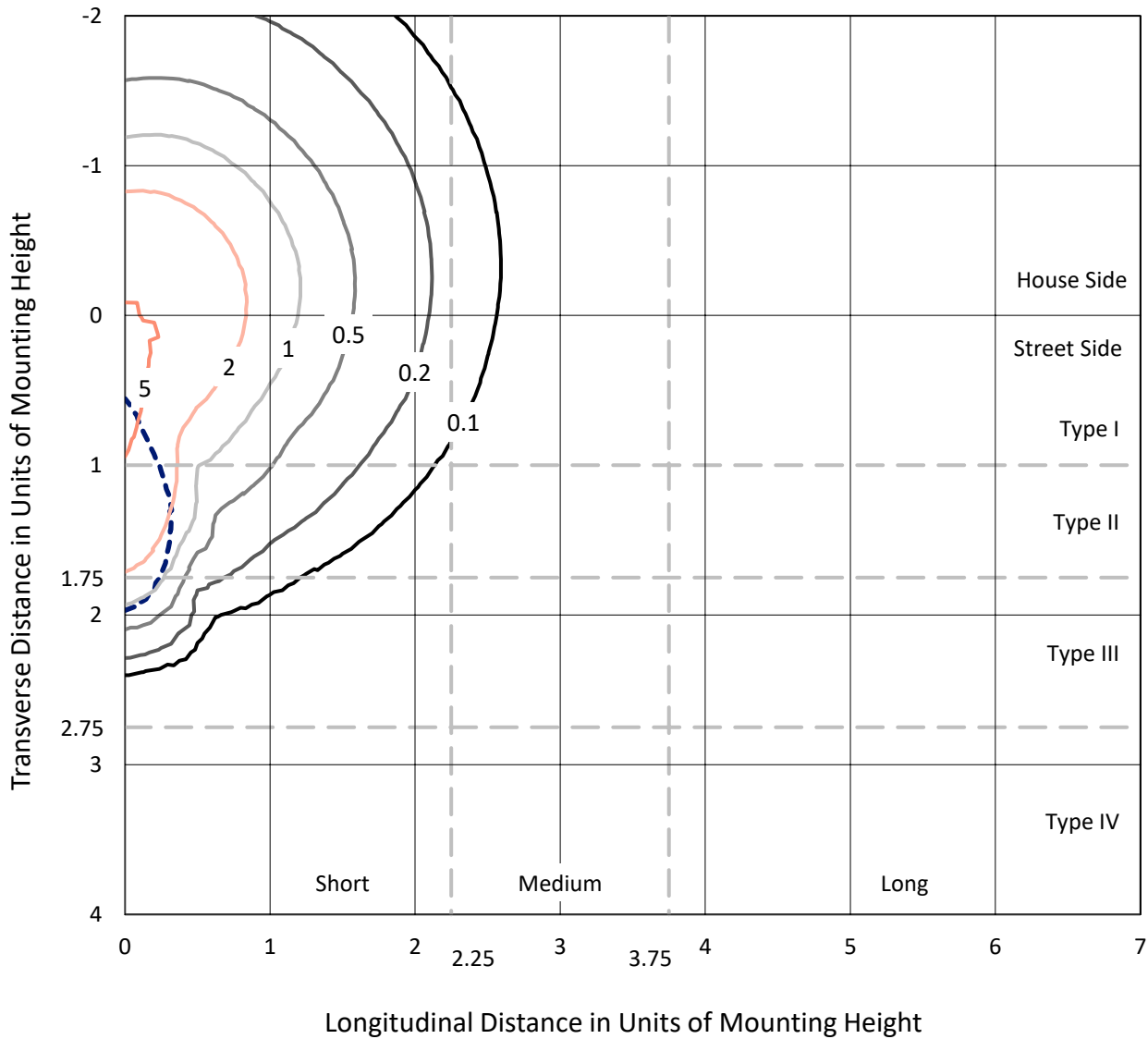
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

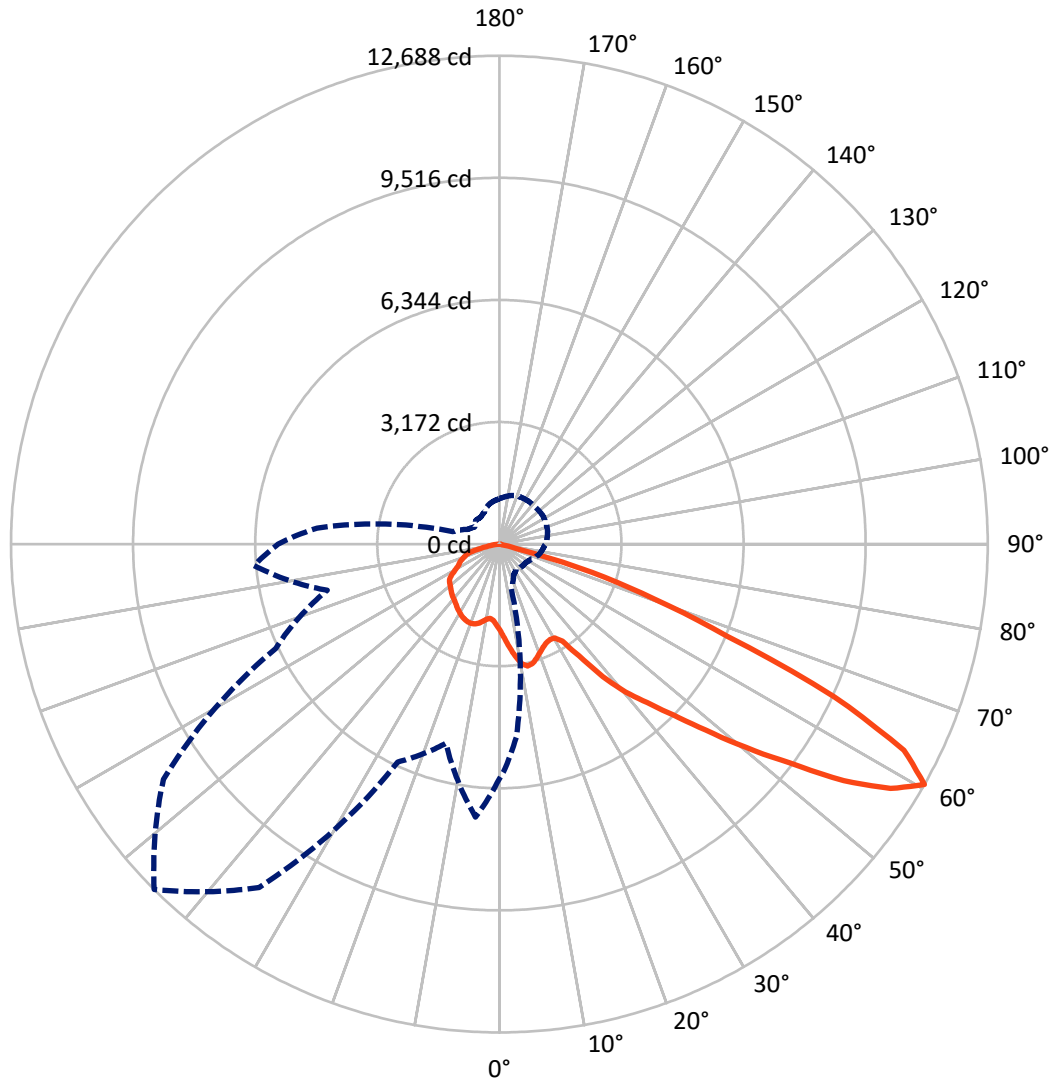
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical



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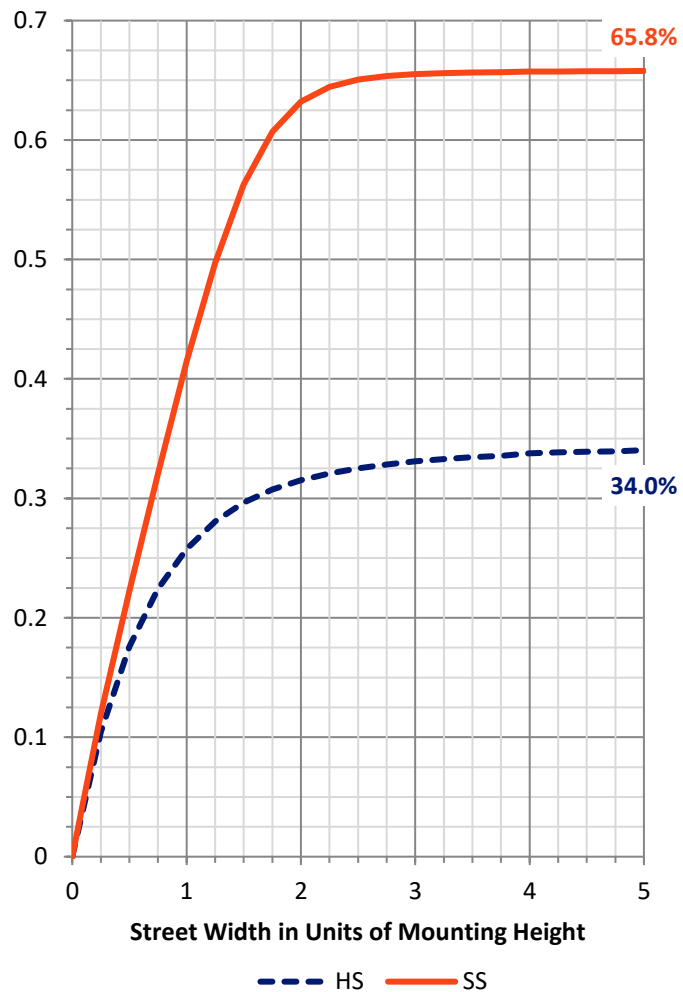
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3799.5	0.0	3799.5
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	7307.3	0.0	7307.3
	% Fixture	65.8	0.0	65.8
Total	Lumens	11106.8	0.0	11106.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.9	2.0
10°-20°	702.0	6.3
20°-30°	1143.3	10.3
30°-40°	1606.0	14.5
40°-50°	2197.7	19.8
50°-60°	2819.5	25.4
60°-70°	1898.5	17.1
70°-80°	474.6	4.3
80°-90°	46.3	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°	11106.8	100.0
0°-180°	11106.8	100.0

Coefficient of Utilization



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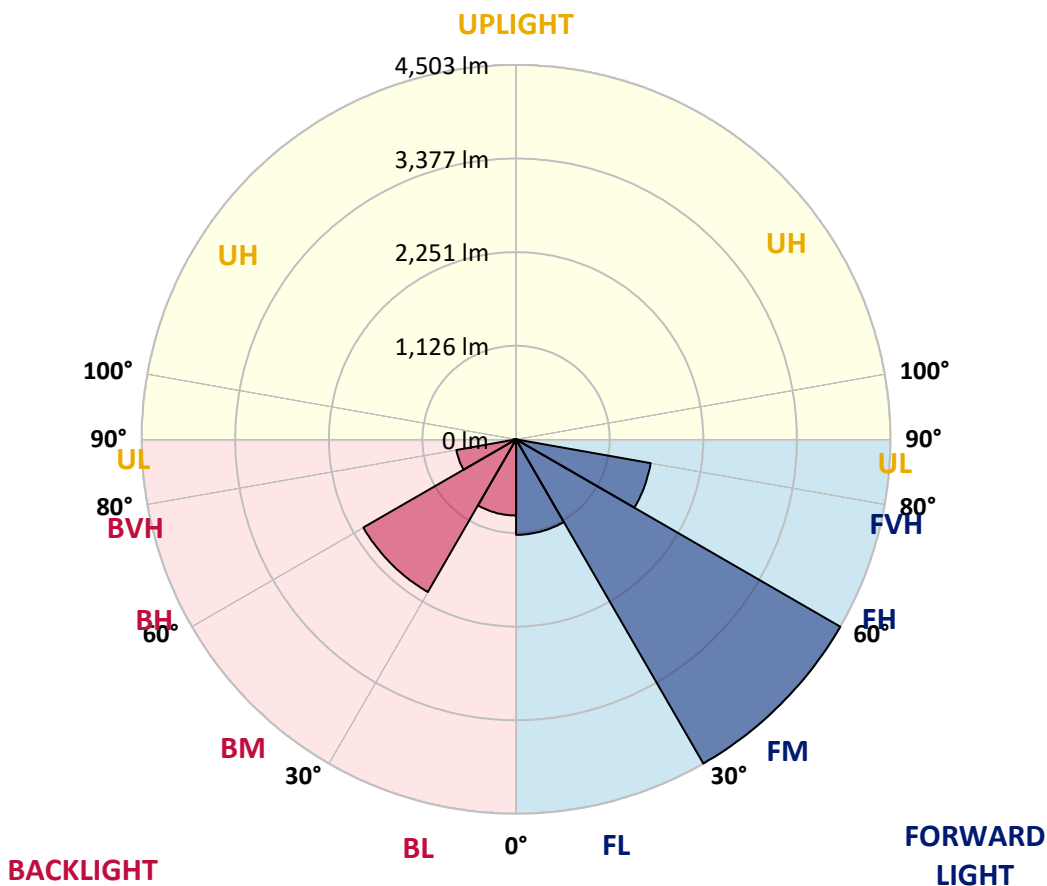
CATALOG NUMBER: GWS-SA3C-750-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1148.2	10.3			
FM (30°-60°)	4502.8	40.5			
FH (60°-80°)	1644.3	14.8			G1/1800
FVH (80°-90°)	12.0	0.1			G1/100
BL (0°-30°)	915.9	8.2	B2/1000		
BM (30°-60°)	2120.5	19.1	B2/2500		
BH (60°-80°)	728.9	6.6	B2/1000		G2/1000
BVH (80°-90°)	34.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1
2.5°	2370.0	2364.9	2359.8	2319.9	2309.7	2281.0	2260.6	2235.0	2198.2	2177.7	2160.3
5°	2518.3	2510.2	2482.5	2400.7	2347.5	2289.2	2241.1	2188.0	2131.7	2094.9	2066.2
7.5°	2658.5	2656.4	2609.4	2474.4	2388.4	2304.6	2239.1	2161.4	2080.6	2025.3	1988.5
10°	2788.4	2773.0	2716.8	2540.9	2428.3	2332.2	2261.6	2175.7	2081.6	2006.9	1957.8
12.5°	2903.0	2883.5	2805.8	2602.2	2463.1	2344.5	2267.7	2197.2	2134.8	2072.4	2016.1
15°	2997.1	2973.5	2894.8	2659.5	2493.8	2337.3	2229.9	2174.7	2196.1	2223.8	2161.4
17.5°	3085.0	3060.5	2964.3	2701.4	2503.0	2293.3	2136.8	2113.3	2221.7	2347.5	2318.9
20°	3158.7	3131.1	3019.6	2721.9	2486.6	2209.4	2016.1	2057.0	2200.2	2350.6	2396.6
22.5°	3238.5	3216.0	3082.0	2751.6	2466.2	2093.9	1914.8	2015.1	2163.4	2295.4	2364.9
25°	3366.3	3338.7	3179.1	2803.7	2456.0	1985.4	1842.2	1974.2	2112.3	2231.9	2286.2
27.5°	3551.5	3500.3	3312.1	2894.8	2467.2	1883.1	1796.2	1924.1	2052.9	2155.2	2199.2
30°	3753.0	3691.6	3459.4	2988.9	2483.6	1820.7	1771.6	1866.8	1961.9	2064.2	2112.3
32.5°	3991.3	3937.1	3616.9	3059.5	2448.8	1792.1	1753.2	1804.4	1880.1	1961.9	2001.8
35°	4275.7	4178.5	3788.8	3116.7	2336.3	1750.2	1736.9	1735.8	1775.7	1855.5	1900.5
37.5°	4581.5	4477.2	4000.5	3178.1	2161.4	1683.7	1698.0	1655.0	1691.9	1755.3	1806.4
40°	4832.1	4722.7	4214.3	3262.0	1942.5	1579.3	1612.1	1566.0	1588.5	1654.0	1711.3
42.5°	5077.6	4961.0	4413.8	3357.1	1730.7	1477.0	1493.4	1476.0	1483.2	1551.7	1631.5
45°	5399.8	5268.9	4659.3	3424.6	1540.5	1396.2	1380.9	1351.2	1389.1	1478.1	1563.0
47.5°	5937.9	5781.4	5061.2	3468.6	1402.4	1350.2	1279.6	1262.2	1309.3	1408.5	1496.5
50°	6566.9	6431.9	5703.6	3466.6	1299.1	1311.3	1181.4	1166.1	1243.8	1344.1	1437.2
52.5°	7082.5	6945.4	6252.9	3364.3	1214.2	1228.5	1124.2	1081.2	1187.6	1280.7	1373.7
55°	7498.8	7344.3	6505.6	2936.7	1106.8	1096.5	1061.8	983.0	1117.0	1217.2	1304.2
57.5°	7274.8	7090.7	6199.7	2233.0	996.3	931.9	954.4	896.0	1020.8	1146.7	1230.5
60°	6099.5	5933.8	5036.7	1188.6	876.6	778.4	825.5	834.7	915.5	1061.8	1147.7
62.5°	4189.7	4069.0	3413.4	721.1	691.5	625.0	698.6	765.1	825.5	949.2	1023.9
65°	2049.9	2014.1	1707.2	462.3	483.8	505.3	579.0	659.8	748.8	857.2	935.9
67.5°	564.6	568.7	517.6	361.1	381.5	440.9	499.2	563.6	652.6	752.8	832.6
70°	248.6	252.7	260.8	278.2	317.1	371.3	431.7	498.1	580.0	663.9	740.6
72.5°	172.9	177.0	189.2	211.7	246.5	297.7	354.9	418.4	503.3	573.8	637.3
75°	106.4	109.4	120.7	140.1	163.7	202.5	258.8	317.1	391.8	456.2	512.5
77.5°	56.3	54.2	61.4	74.7	95.1	115.6	153.4	190.3	243.4	295.6	342.7
80°	30.7	29.7	33.8	40.9	47.1	63.4	89.0	113.5	144.2	173.9	199.5
82.5°	13.3	12.3	13.3	17.4	21.5	30.7	45.0	62.4	79.8	100.2	116.6
85°	0.0	0.0	0.0	1.0	5.1	8.2	15.3	22.5	32.7	45.0	55.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	9.2
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°	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1
2.5°	2150.1	2124.5	2122.5	2102.0	2104.1	2105.1	2084.6	2076.5	2083.6	2091.8	2087.7
5°	2056.0	2029.4	2018.2	1998.7	1996.7	1987.5	1979.3	1969.1	1976.2	1983.4	1987.5
7.5°	1974.2	1956.8	1949.6	1944.5	1946.6	1942.5	1926.1	1916.9	1915.9	1918.9	1923.0
10°	1947.6	1933.3	1942.5	1956.8	1967.0	1974.2	1956.8	1941.4	1927.1	1921.0	1921.0
12.5°	2004.9	1986.4	2004.9	2020.2	2040.7	2045.8	2026.3	2010.0	2004.9	2011.0	2023.3
15°	2131.7	2088.7	2087.7	2096.9	2113.3	2121.5	2103.1	2094.9	2094.9	2133.7	2164.4
17.5°	2258.5	2188.0	2158.3	2153.2	2163.4	2166.5	2151.1	2144.0	2162.4	2238.1	2295.4
20°	2347.5	2261.6	2197.2	2184.9	2188.0	2189.0	2176.7	2171.6	2198.2	2290.2	2338.3
22.5°	2338.3	2274.9	2196.1	2180.8	2185.9	2183.9	2172.6	2170.6	2192.0	2271.8	2294.3
25°	2274.9	2225.8	2159.3	2149.1	2157.3	2156.2	2145.0	2139.9	2149.1	2202.3	2204.3
27.5°	2202.3	2159.3	2102.0	2099.0	2112.3	2119.4	2100.0	2084.6	2081.6	2117.4	2109.2
30°	2115.3	2083.6	2037.6	2039.6	2064.2	2068.3	2044.8	2022.2	2016.1	2035.5	2024.3
32.5°	2012.0	2001.8	1977.2	1982.4	2005.9	2014.1	1989.5	1966.0	1958.8	1965.0	1941.4
35°	1924.1	1920.0	1922.0	1931.2	1951.7	1957.8	1937.3	1918.9	1908.7	1887.2	1856.5
37.5°	1833.0	1844.3	1873.9	1891.3	1902.6	1900.5	1889.3	1876.0	1859.6	1819.7	1781.9
40°	1748.1	1776.8	1829.9	1849.4	1853.5	1854.5	1846.3	1835.1	1814.6	1761.4	1718.5
42.5°	1682.6	1714.4	1784.9	1814.6	1816.6	1818.7	1810.5	1801.3	1772.7	1702.1	1660.1
45°	1614.1	1656.1	1738.9	1774.7	1772.7	1771.6	1764.5	1760.4	1726.6	1644.8	1598.8
47.5°	1555.8	1604.9	1693.9	1724.6	1723.6	1722.5	1717.4	1717.4	1683.7	1594.7	1542.5
50°	1498.5	1554.8	1647.9	1673.4	1675.5	1673.4	1671.4	1674.5	1634.6	1539.4	1488.3
52.5°	1436.1	1499.6	1596.7	1620.3	1632.5	1637.6	1637.6	1630.5	1583.4	1484.2	1428.0
55°	1367.6	1428.0	1540.5	1572.2	1582.4	1591.6	1591.6	1577.3	1533.3	1433.1	1372.7
57.5°	1282.7	1335.9	1424.9	1456.6	1481.1	1487.3	1487.3	1463.8	1428.0	1331.8	1282.7
60°	1190.6	1236.7	1297.0	1330.8	1349.2	1336.9	1346.1	1340.0	1311.3	1222.4	1181.4
62.5°	1067.9	1114.9	1181.4	1216.2	1224.4	1212.1	1224.4	1223.4	1184.5	1104.7	1055.6
65°	979.9	1026.0	1091.4	1136.4	1149.7	1146.7	1154.8	1142.6	1094.5	1018.8	971.7
67.5°	875.6	924.7	1000.4	1050.5	1078.1	1081.2	1092.4	1066.9	1017.8	934.9	875.6
70°	776.4	818.3	876.6	923.7	962.5	982.0	984.0	947.2	885.8	817.3	774.3
72.5°	672.0	715.0	785.6	836.7	885.8	908.3	908.3	863.3	796.8	721.1	675.1
75°	545.2	585.1	649.5	704.8	761.0	789.7	788.6	749.8	676.1	604.5	556.5
77.5°	369.3	398.9	439.8	481.8	490.0	512.5	523.7	474.6	433.7	394.8	351.9
80°	214.8	233.2	255.7	279.2	284.4	291.5	273.1	254.7	233.2	207.6	188.2
82.5°	125.8	138.1	149.3	167.8	170.8	172.9	156.5	148.3	130.9	115.6	103.3
85°	61.4	65.5	75.7	84.9	80.8	78.8	71.6	63.4	56.3	50.1	44.0
87.5°	12.3	12.3	18.4	17.4	14.3	12.3	7.2	9.2	2.0	2.0	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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CATALOG NUMBER: GWS-SA3C-750-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1
2.5°	2101.0	2118.4	2139.9	2168.5	2201.3	2236.0	2269.8	2295.4	2320.9	2358.8	2352.6
5°	1993.6	2023.3	2057.0	2101.0	2154.2	2214.6	2282.1	2349.6	2422.2	2483.6	2510.2
7.5°	1931.2	1963.9	2003.8	2061.1	2129.7	2203.3	2298.4	2407.9	2525.5	2606.3	2656.4
10°	1931.2	1973.1	2025.3	2080.6	2140.9	2216.6	2334.2	2471.3	2622.7	2729.1	2787.4
12.5°	2042.7	2084.6	2095.9	2093.9	2127.6	2211.5	2362.9	2537.8	2718.8	2831.4	2903.0
15°	2216.6	2230.9	2146.0	2068.3	2073.4	2174.7	2376.2	2591.0	2801.7	2936.7	3014.4
17.5°	2333.2	2295.4	2144.0	2007.9	1979.3	2112.3	2376.2	2642.1	2889.7	3042.1	3114.7
20°	2342.4	2248.3	2091.8	1949.6	1876.0	2029.4	2359.8	2681.0	2974.6	3143.3	3221.1
22.5°	2261.6	2168.5	2036.6	1899.5	1791.1	1929.2	2333.2	2710.7	3047.2	3238.5	3334.6
25°	2169.5	2091.8	1980.3	1848.4	1732.8	1827.9	2308.7	2760.8	3148.4	3367.3	3464.5
27.5°	2079.5	2014.1	1912.8	1805.4	1700.0	1739.9	2293.3	2834.4	3269.1	3550.4	3634.3
30°	1991.6	1932.2	1840.2	1764.5	1682.6	1682.6	2280.0	2919.3	3428.7	3756.0	3839.9
32.5°	1902.6	1846.3	1771.6	1724.6	1672.4	1660.1	2243.2	2999.1	3593.4	3981.1	4067.0
35°	1819.7	1763.5	1706.2	1686.7	1667.3	1642.8	2152.2	3061.5	3754.0	4244.0	4317.6
37.5°	1742.0	1687.8	1644.8	1639.7	1641.7	1595.7	2009.0	3113.7	3954.5	4513.0	4551.8
40°	1674.5	1614.1	1580.4	1579.3	1589.6	1520.0	1827.9	3188.3	4183.6	4741.1	4724.7
42.5°	1614.1	1550.7	1509.8	1519.0	1512.9	1444.3	1650.9	3256.9	4383.1	4954.9	4922.1
45°	1554.8	1493.4	1436.1	1449.4	1442.3	1397.3	1500.6	3307.0	4604.0	5211.6	5215.7
47.5°	1497.5	1437.2	1379.9	1363.5	1362.5	1382.9	1385.0	3323.4	4964.1	5624.9	5531.8
50°	1444.3	1384.0	1324.6	1269.4	1290.9	1354.3	1299.1	3311.1	5503.1	6081.1	5821.3
52.5°	1389.1	1331.8	1266.3	1167.1	1223.4	1285.8	1222.4	3267.1	5832.5	6484.1	6328.6
55°	1325.7	1271.4	1182.5	1061.8	1130.3	1143.6	1143.6	2841.6	5972.6	6883.0	6979.2
57.5°	1240.8	1169.2	1028.0	930.8	992.2	941.1	1059.7	1988.5	5741.5	6757.2	7130.5
60°	1144.6	1067.9	918.6	849.0	867.4	777.4	903.2	1246.9	4758.5	5749.7	6396.1
62.5°	1017.8	947.2	823.4	769.2	731.4	634.2	727.3	788.6	3262.0	4269.5	4710.4
65°	932.9	855.1	744.7	673.1	595.3	510.4	482.8	517.6	1754.3	2389.5	2687.1
67.5°	832.6	755.9	651.6	561.6	499.2	437.8	389.7	377.4	601.5	795.8	861.3
70°	737.5	663.9	576.9	493.0	430.6	370.3	323.2	289.5	278.2	276.2	272.1
72.5°	640.3	571.8	499.2	421.4	352.9	297.7	255.7	216.9	200.5	195.4	190.3
75°	524.7	470.5	397.9	314.0	258.8	207.6	174.9	149.3	135.0	129.9	123.8
77.5°	337.6	313.0	249.6	202.5	156.5	123.8	106.4	90.0	80.8	78.8	73.6
80°	180.0	167.8	138.1	116.6	93.1	75.7	66.5	57.3	52.2	50.1	48.1
82.5°	100.2	91.0	76.7	67.5	54.2	46.0	40.9	36.8	33.8	32.7	31.7
85°	45.0	38.9	30.7	28.6	25.6	23.5	22.5	20.5	19.4	18.4	17.4
87.5°	2.0	4.1	5.1	4.1	4.1	6.1	7.2	7.2	6.1	6.1	5.1
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: P634850

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1	2240.1
2.5°	2390.5	2421.2	2424.2	2434.5	2421.2	2418.1	2396.6	2384.4	2373.1	2370.0
5°	2576.7	2638.0	2662.6	2680.0	2663.6	2655.4	2608.4	2559.3	2531.6	2518.3
7.5°	2767.9	2860.0	2908.1	2929.5	2931.6	2894.8	2814.0	2721.9	2675.9	2658.5
10°	2938.8	3052.3	3115.7	3156.6	3142.3	3097.3	2986.8	2862.0	2803.7	2788.4
12.5°	3065.6	3174.0	3223.1	3249.7	3248.7	3224.1	3119.8	2984.8	2918.3	2903.0
15°	3147.4	3211.9	3214.9	3221.1	3238.5	3271.2	3217.0	3092.2	3018.5	2997.1
17.5°	3211.9	3186.3	3138.2	3121.9	3160.7	3251.8	3284.5	3183.2	3103.4	3085.0
20°	3252.8	3123.9	3039.0	3007.3	3052.3	3200.6	3325.4	3265.1	3182.2	3158.7
22.5°	3284.5	3065.6	2928.5	2907.0	2954.1	3145.4	3367.3	3362.2	3271.2	3238.5
25°	3334.6	3026.7	2850.8	2835.4	2879.4	3118.8	3423.6	3494.2	3413.4	3366.3
27.5°	3413.4	3022.6	2810.9	2805.8	2866.1	3142.3	3504.4	3687.5	3586.2	3551.5
30°	3522.8	3061.5	2820.1	2830.3	2904.0	3227.2	3630.2	3908.5	3807.2	3753.0
32.5°	3680.3	3165.8	2960.2	3004.2	3058.4	3363.3	3814.3	4147.8	4071.1	3991.3
35°	3888.0	3452.2	3374.5	3561.7	3510.5	3660.9	4036.3	4438.3	4345.2	4275.7
37.5°	4165.2	4039.4	4111.0	4368.8	4245.0	4223.5	4307.4	4702.2	4651.1	4581.5
40°	4553.9	4579.5	4711.4	5050.0	4871.0	4732.9	4639.8	4900.7	4918.0	4832.1
42.5°	4811.7	4929.3	5247.4	5632.0	5385.5	5055.1	4918.0	5154.3	5155.4	5077.6
45°	4907.8	5215.7	5880.6	6323.5	5911.3	5239.2	5071.5	5499.0	5488.8	5399.8
47.5°	4873.0	5457.1	6538.3	7215.4	6586.4	5370.2	5050.0	5990.0	6072.9	5937.9
50°	4800.4	5699.5	7306.5	8307.9	7414.9	5509.3	5017.3	6534.2	6671.3	6566.9
52.5°	4874.1	5969.6	8214.8	9437.2	8454.2	5731.2	5238.2	7232.8	7208.3	7082.5
55°	5107.3	6288.7	9318.5	10855.9	9595.7	6106.6	5805.9	7898.7	7649.2	7498.8
57.5°	5096.0	6516.8	10286.2	11978.0	10588.9	6414.5	6003.3	7969.3	7465.0	7274.8
60°	4625.5	6412.5	10654.4	12687.9	10888.6	6244.7	5353.8	7118.3	6298.9	6099.5
62.5°	3452.2	5690.3	9940.4	11799.0	10040.7	5393.7	4026.1	5109.3	4526.3	4189.7
65°	2208.4	4451.6	8357.0	9558.9	8276.2	4125.3	2397.6	2739.3	2146.0	2049.9
67.5°	940.0	3142.3	6496.4	6389.0	6191.5	2672.8	925.7	771.3	574.9	564.6
70°	311.0	2137.8	4004.6	4261.3	3697.7	1841.2	305.8	258.8	257.8	248.6
72.5°	203.6	1147.7	2254.4	2510.2	2379.2	1059.7	185.1	172.9	177.0	172.9
75°	121.7	249.6	379.5	493.0	379.5	178.0	111.5	109.4	111.5	106.4
77.5°	71.6	69.6	67.5	67.5	66.5	61.4	56.3	54.2	55.2	56.3
80°	46.0	44.0	41.9	40.9	35.8	33.8	31.7	29.7	29.7	30.7
82.5°	29.7	27.6	25.6	22.5	18.4	15.3	14.3	12.3	12.3	13.3
85°	15.3	12.3	9.2	7.2	4.1	2.0	0.0	0.0	0.0	0.0
87.5°	3.1	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)