

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: P634905

Luminaire Tested: GWS-SA3C-760-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634905
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10954.6 lumens
Efficiency: N/A
Efficacy: 117.8 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

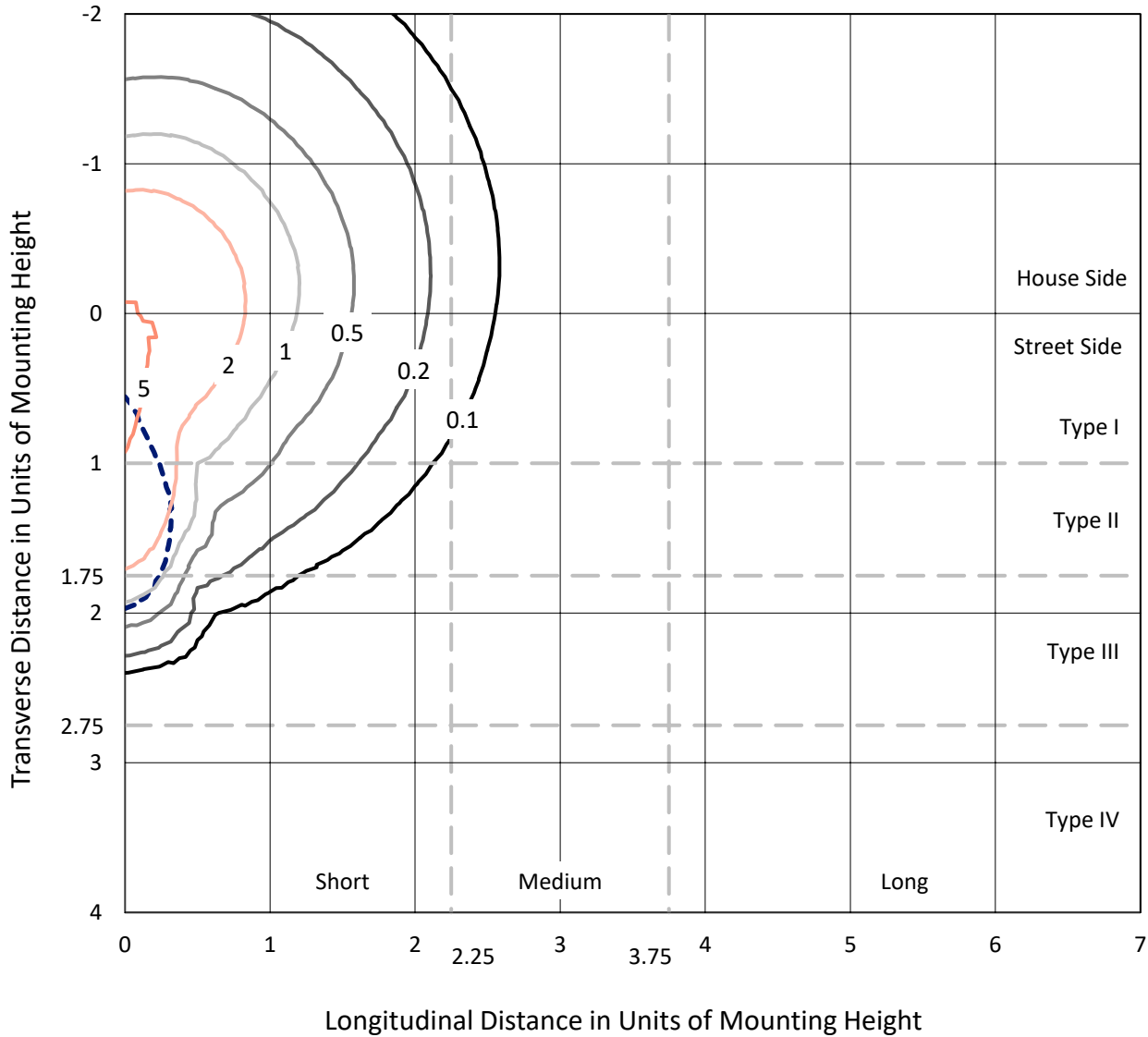
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

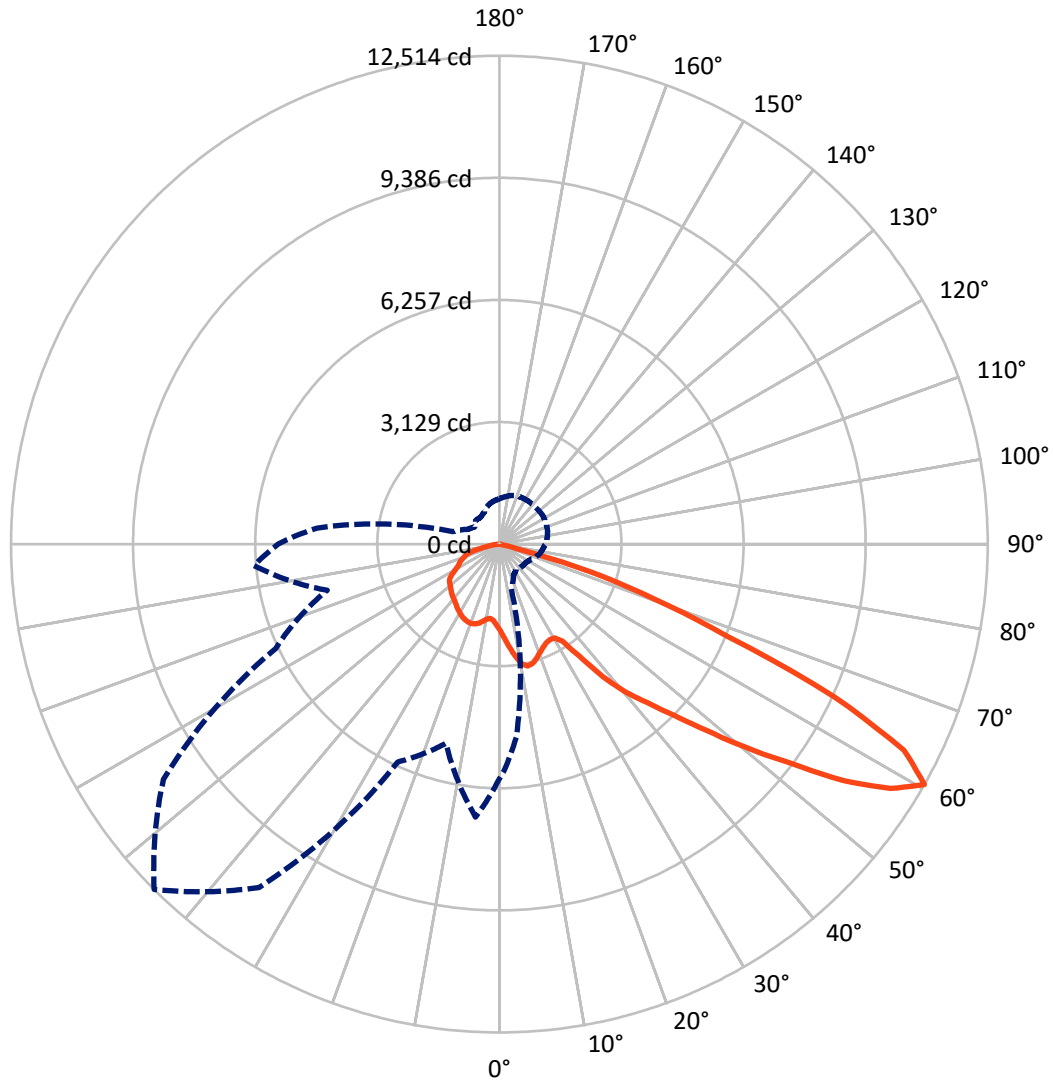
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 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	3747.5	0.0	3747.5
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	7207.1	0.0	7207.1
	% Fixture	65.8	0.0	65.8
Total	Lumens	10954.6	0.0	10954.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.9	2.0
10°-20°	692.4	6.3
20°-30°	1127.6	10.3
30°-40°	1584.0	14.5
40°-50°	2167.6	19.8
50°-60°	2780.9	25.4
60°-70°	1872.5	17.1
70°-80°	468.1	4.3
80°-90°	45.6	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°	10954.6	100.0
0°-180°	10954.6	100.0

Coefficient of Utilization



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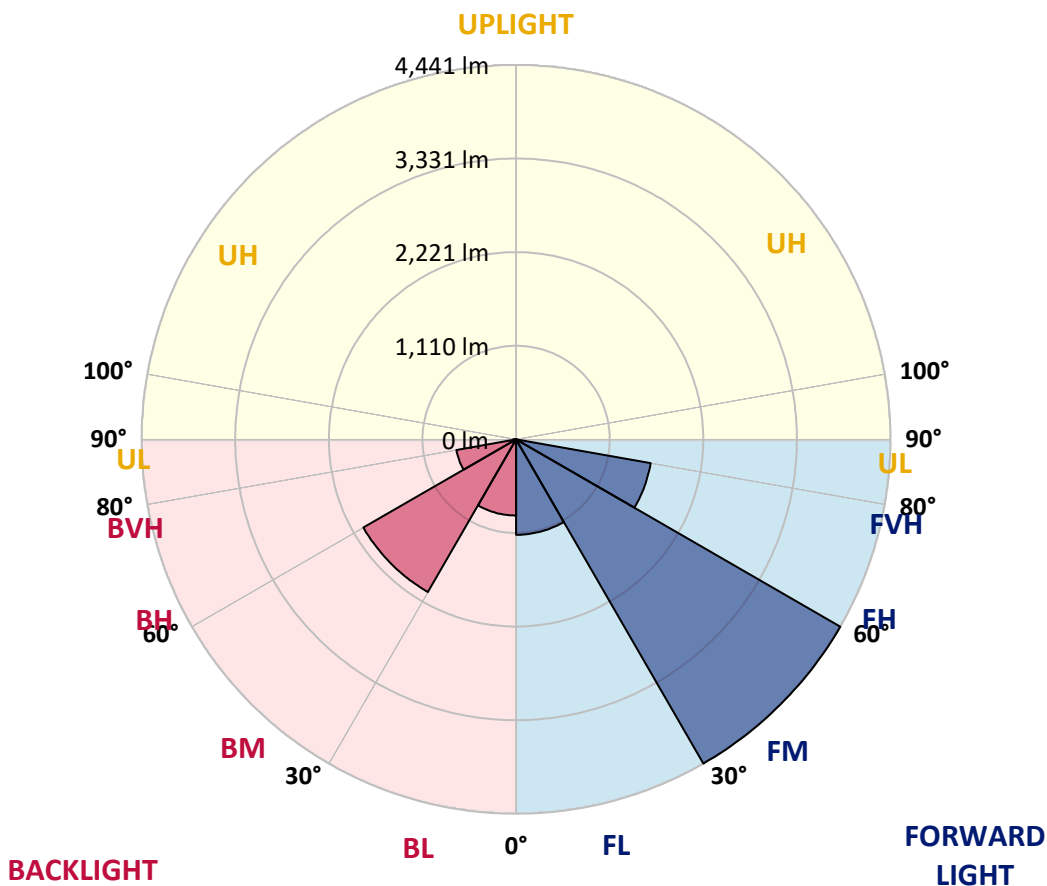
CATALOG NUMBER: GWS-SA3C-760-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1132.5	10.3			
FM (30°-60°)	4441.1	40.5			
FH (60°-80°)	1621.7	14.8			G1/1800
FVH (80°-90°)	11.9	0.1			G1/100
BL (0°-30°)	903.4	8.2	B2/1000		
BM (30°-60°)	2091.4	19.1	B2/2500		
BH (60°-80°)	718.9	6.6	B2/1000		G2/1000
BVH (80°-90°)	33.8	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°	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4
2.5°	2337.6	2332.5	2327.5	2288.1	2278.0	2249.8	2229.6	2204.4	2168.1	2147.9	2130.7
5°	2483.8	2475.8	2448.5	2367.8	2315.4	2257.9	2210.4	2158.0	2102.5	2066.2	2037.9
7.5°	2622.1	2620.0	2573.6	2440.5	2355.7	2273.0	2208.4	2131.7	2052.0	1997.6	1961.2
10°	2750.2	2735.0	2679.6	2506.0	2395.1	2300.2	2230.6	2145.9	2053.1	1979.4	1931.0
12.5°	2863.2	2844.0	2767.3	2566.6	2429.4	2312.3	2236.7	2167.1	2105.5	2044.0	1988.5
15°	2956.0	2932.8	2855.1	2623.1	2459.6	2305.3	2199.3	2144.9	2166.0	2193.3	2131.7
17.5°	3042.8	3018.5	2923.7	2664.4	2468.7	2261.9	2107.5	2084.3	2191.3	2315.4	2287.1
20°	3115.4	3088.2	2978.2	2684.6	2452.6	2179.2	1988.5	2028.8	2170.1	2318.4	2363.8
22.5°	3194.1	3171.9	3039.7	2713.9	2432.4	2065.2	1888.6	1987.5	2133.8	2263.9	2332.5
25°	3320.2	3293.0	3135.6	2765.3	2422.3	1958.2	1817.0	1947.1	2083.3	2201.4	2254.8
27.5°	3502.8	3452.4	3266.7	2855.1	2433.4	1857.3	1771.6	1897.7	2024.8	2125.7	2169.1
30°	3701.5	3641.0	3412.0	2947.9	2449.5	1795.8	1747.4	1841.2	1935.0	2035.9	2083.3
32.5°	3936.6	3883.1	3567.4	3017.5	2415.2	1767.5	1729.2	1779.6	1854.3	1935.0	1974.4
35°	4217.1	4121.2	3736.9	3074.0	2304.3	1726.2	1713.1	1712.1	1751.4	1830.1	1874.5
37.5°	4518.7	4415.8	3945.7	3134.6	2131.7	1660.6	1674.7	1632.4	1668.7	1731.2	1781.7
40°	4765.9	4658.0	4156.5	3217.3	1915.8	1557.7	1590.0	1544.6	1566.8	1631.3	1687.8
42.5°	5008.0	4893.0	4353.3	3311.1	1707.0	1456.8	1473.0	1455.8	1462.9	1530.5	1609.1
45°	5325.8	5196.7	4595.4	3377.7	1519.4	1377.1	1362.0	1332.7	1370.0	1457.8	1541.6
47.5°	5856.5	5702.1	4991.9	3421.1	1383.2	1331.7	1262.1	1244.9	1291.4	1389.2	1476.0
50°	6476.9	6343.8	5625.5	3419.1	1281.3	1293.4	1165.2	1150.1	1226.8	1325.7	1417.5
52.5°	6985.4	6850.2	6167.2	3318.2	1197.5	1211.7	1108.7	1066.4	1171.3	1263.1	1354.9
55°	7396.0	7243.7	6416.4	2896.5	1091.6	1081.5	1047.2	969.5	1101.7	1200.6	1286.3
57.5°	7175.1	6993.5	6114.8	2202.4	982.6	919.1	941.3	883.8	1006.9	1130.9	1213.7
60°	6015.9	5852.5	4967.7	1172.3	864.6	767.8	814.2	823.2	902.9	1047.2	1132.0
62.5°	4132.3	4013.3	3366.6	711.3	682.0	616.4	689.1	754.6	814.2	936.2	1009.9
65°	2021.8	1986.5	1683.8	456.0	477.2	498.4	571.0	650.7	738.5	845.4	923.1
67.5°	556.9	560.9	510.5	356.1	376.3	434.8	492.3	555.9	643.7	742.5	821.2
70°	245.2	249.2	257.3	274.4	312.7	366.2	425.7	491.3	572.0	654.8	730.4
72.5°	170.5	174.5	186.6	208.8	243.1	293.6	350.1	412.6	496.4	566.0	628.5
75°	104.9	107.9	119.0	138.2	161.4	199.8	255.2	312.7	386.4	450.0	505.4
77.5°	55.5	53.5	60.5	73.6	93.8	114.0	151.3	187.6	240.1	291.6	338.0
80°	30.3	29.3	33.3	40.4	46.4	62.5	87.8	112.0	142.3	171.5	196.7
82.5°	13.1	12.1	13.1	17.2	21.2	30.3	44.4	61.5	78.7	98.9	115.0
85°	0.0	0.0	0.0	1.0	5.0	8.1	15.1	22.2	32.3	44.4	54.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	9.1
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°	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4
2.5°	2120.6	2095.4	2093.4	2073.2	2075.2	2076.3	2056.1	2048.0	2055.1	2063.1	2059.1
5°	2027.8	2001.6	1990.5	1971.3	1969.3	1960.2	1952.2	1942.1	1949.1	1956.2	1960.2
7.5°	1947.1	1930.0	1922.9	1917.9	1919.9	1915.8	1899.7	1890.6	1889.6	1892.6	1896.7
10°	1920.9	1906.8	1915.8	1930.0	1940.1	1947.1	1930.0	1914.8	1900.7	1894.7	1894.7
12.5°	1977.4	1959.2	1977.4	1992.5	2012.7	2017.7	1998.6	1982.4	1977.4	1983.4	1995.5
15°	2102.5	2060.1	2059.1	2068.2	2084.3	2092.4	2074.2	2066.2	2066.2	2104.5	2134.8
17.5°	2227.6	2158.0	2128.7	2123.7	2133.8	2136.8	2121.7	2114.6	2132.8	2207.4	2263.9
20°	2315.4	2230.6	2167.1	2154.9	2158.0	2159.0	2146.9	2141.8	2168.1	2258.9	2306.3
22.5°	2306.3	2243.7	2166.0	2150.9	2156.0	2153.9	2142.8	2140.8	2162.0	2240.7	2262.9
25°	2243.7	2195.3	2129.7	2119.6	2127.7	2126.7	2115.6	2110.6	2119.6	2172.1	2174.1
27.5°	2172.1	2129.7	2073.2	2070.2	2083.3	2090.4	2071.2	2056.1	2053.1	2088.4	2080.3
30°	2086.3	2055.1	2009.7	2011.7	2035.9	2039.9	2016.7	1994.5	1988.5	2007.7	1996.6
32.5°	1984.4	1974.4	1950.1	1955.2	1978.4	1986.5	1962.3	1939.0	1932.0	1938.0	1914.8
35°	1897.7	1893.6	1895.7	1904.7	1924.9	1931.0	1910.8	1892.6	1882.6	1861.4	1831.1
37.5°	1807.9	1819.0	1848.3	1865.4	1876.5	1874.5	1863.4	1850.3	1834.1	1794.8	1757.5
40°	1724.2	1752.4	1804.9	1824.0	1828.1	1829.1	1821.0	1809.9	1789.7	1737.3	1694.9
42.5°	1659.6	1690.9	1760.5	1789.7	1791.8	1793.8	1785.7	1776.6	1748.4	1678.8	1637.4
45°	1592.0	1633.4	1715.1	1750.4	1748.4	1747.4	1740.3	1736.3	1703.0	1622.3	1576.9
47.5°	1534.5	1582.9	1670.7	1701.0	1699.9	1698.9	1693.9	1693.9	1660.6	1572.8	1521.4
50°	1478.0	1533.5	1625.3	1650.5	1652.5	1650.5	1648.5	1651.5	1612.2	1518.4	1467.9
52.5°	1416.5	1479.0	1574.8	1598.1	1610.2	1615.2	1615.2	1608.1	1561.7	1463.9	1408.4
55°	1348.9	1408.4	1519.4	1550.6	1560.7	1569.8	1569.8	1555.7	1512.3	1413.4	1353.9
57.5°	1265.1	1317.6	1405.4	1436.6	1460.8	1466.9	1466.9	1443.7	1408.4	1313.5	1265.1
60°	1174.3	1219.7	1279.2	1312.5	1330.7	1318.6	1327.7	1321.6	1293.4	1205.6	1165.2
62.5°	1053.3	1099.7	1165.2	1199.5	1207.6	1195.5	1207.6	1206.6	1168.3	1089.6	1041.2
65°	966.5	1011.9	1076.5	1120.9	1134.0	1130.9	1139.0	1126.9	1079.5	1004.8	958.4
67.5°	863.6	912.0	986.7	1036.1	1063.3	1066.4	1077.5	1052.3	1003.8	922.1	863.6
70°	765.7	807.1	864.6	911.0	949.3	968.5	970.5	934.2	873.7	806.1	763.7
72.5°	662.8	705.2	774.8	825.3	873.7	895.9	895.9	851.5	785.9	711.3	665.9
75°	537.7	577.1	640.6	695.1	750.6	778.8	777.8	739.5	666.9	596.2	548.8
77.5°	364.2	393.5	433.8	475.2	483.2	505.4	516.5	468.1	427.8	389.4	347.1
80°	211.9	230.0	252.2	275.4	280.5	287.5	269.4	251.2	230.0	204.8	185.6
82.5°	124.1	136.2	147.3	165.5	168.5	170.5	154.4	146.3	129.1	114.0	101.9
85°	60.5	64.6	74.7	83.7	79.7	77.7	70.6	62.5	55.5	49.4	43.4
87.5°	12.1	12.1	18.2	17.2	14.1	12.1	7.1	9.1	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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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4
2.5°	2072.2	2089.4	2110.6	2138.8	2171.1	2205.4	2238.7	2263.9	2289.1	2326.5	2320.4
5°	1966.3	1995.5	2028.8	2072.2	2124.7	2184.2	2250.8	2317.4	2389.0	2449.5	2475.8
7.5°	1904.7	1937.0	1976.4	2032.9	2100.5	2173.1	2266.9	2374.9	2490.9	2570.6	2620.0
10°	1904.7	1946.1	1997.6	2052.0	2111.6	2186.2	2302.2	2437.4	2586.7	2691.7	2749.2
12.5°	2014.7	2056.1	2067.2	2065.2	2098.5	2181.2	2330.5	2503.0	2681.6	2792.6	2863.2
15°	2186.2	2200.3	2116.6	2039.9	2045.0	2144.9	2343.6	2555.5	2763.3	2896.5	2973.1
17.5°	2301.2	2263.9	2114.6	1980.4	1952.2	2083.3	2343.6	2605.9	2850.1	3000.4	3072.0
20°	2310.3	2217.5	2063.1	1922.9	1850.3	2001.6	2327.5	2644.2	2933.8	3100.3	3176.9
22.5°	2230.6	2138.8	2008.7	1873.5	1766.5	1902.7	2301.2	2673.5	3005.4	3194.1	3288.9
25°	2139.8	2063.1	1953.2	1823.0	1709.0	1802.9	2277.0	2722.9	3105.3	3321.2	3417.0
27.5°	2051.0	1986.5	1886.6	1780.7	1676.7	1716.1	2261.9	2795.6	3224.4	3501.8	3584.5
30°	1964.3	1905.8	1815.0	1740.3	1659.6	1659.6	2248.8	2879.3	3381.7	3704.6	3787.3
32.5°	1876.5	1821.0	1747.4	1701.0	1649.5	1637.4	2212.5	2958.0	3544.2	3926.5	4011.3
35°	1794.8	1739.3	1682.8	1663.6	1644.5	1620.2	2122.7	3019.5	3702.6	4185.8	4258.4
37.5°	1718.1	1664.6	1622.3	1617.2	1619.2	1573.8	1981.4	3071.0	3900.3	4451.1	4489.5
40°	1651.5	1592.0	1558.7	1557.7	1567.8	1499.2	1802.9	3144.6	4126.3	4676.1	4660.0
42.5°	1592.0	1529.4	1489.1	1498.2	1492.1	1424.5	1628.3	3212.2	4323.0	4887.0	4854.7
45°	1533.5	1473.0	1416.5	1429.6	1422.5	1378.1	1480.0	3261.7	4540.9	5140.2	5144.2
47.5°	1477.0	1417.5	1361.0	1344.8	1343.8	1364.0	1366.0	3277.8	4896.0	5547.8	5456.0
50°	1424.5	1365.0	1306.5	1252.0	1273.2	1335.7	1281.3	3265.7	5427.7	5997.7	5741.5
52.5°	1370.0	1313.5	1249.0	1151.1	1206.6	1268.2	1205.6	3222.3	5752.6	6395.2	6241.9
55°	1307.5	1254.0	1166.3	1047.2	1114.8	1127.9	1127.9	2802.6	5890.8	6788.7	6883.5
57.5°	1223.8	1153.1	1013.9	918.1	978.6	928.2	1045.2	1961.2	5662.8	6664.6	7032.8
60°	1128.9	1053.3	906.0	837.4	855.5	766.7	890.8	1229.8	4693.3	5670.9	6308.5
62.5°	1003.8	934.2	812.1	758.7	721.3	625.5	717.3	777.8	3217.3	4211.0	4645.8
65°	920.1	843.4	734.5	663.8	587.2	503.4	476.2	510.5	1730.2	2356.7	2650.3
67.5°	821.2	745.6	642.7	553.9	492.3	431.8	384.4	372.3	593.2	784.9	849.5
70°	727.4	654.8	569.0	486.3	424.7	365.2	318.8	285.5	274.4	272.4	268.4
72.5°	631.6	564.0	492.3	415.7	348.1	293.6	252.2	213.9	197.7	192.7	187.6
75°	517.6	464.1	392.5	309.7	255.2	204.8	172.5	147.3	133.2	128.1	122.1
77.5°	332.9	308.7	246.2	199.8	154.4	122.1	104.9	88.8	79.7	77.7	72.6
80°	177.6	165.5	136.2	115.0	91.8	74.7	65.6	56.5	51.5	49.4	47.4
82.5°	98.9	89.8	75.7	66.6	53.5	45.4	40.4	36.3	33.3	32.3	31.3
85°	44.4	38.3	30.3	28.2	25.2	23.2	22.2	20.2	19.2	18.2	17.2
87.5°	2.0	4.0	5.0	4.0	4.0	6.1	7.1	7.1	6.1	6.1	5.0
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: P634905

CATALOG NUMBER: GWS-SA3C-760-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4	2209.4
2.5°	2357.7	2388.0	2391.0	2401.1	2388.0	2385.0	2363.8	2351.7	2340.6	2337.6
5°	2541.3	2601.9	2626.1	2643.2	2627.1	2619.0	2572.6	2524.2	2497.0	2483.8
7.5°	2730.0	2820.8	2868.2	2889.4	2891.4	2855.1	2775.4	2684.6	2639.2	2622.1
10°	2898.5	3010.5	3073.0	3113.4	3099.3	3054.9	2945.9	2822.8	2765.3	2750.2
12.5°	3023.6	3130.5	3179.0	3205.2	3204.2	3180.0	3077.1	2943.9	2878.3	2863.2
15°	3104.3	3167.9	3170.9	3176.9	3194.1	3226.4	3172.9	3049.8	2977.2	2956.0
17.5°	3167.9	3142.6	3095.2	3079.1	3117.4	3207.2	3239.5	3139.6	3060.9	3042.8
20°	3208.2	3081.1	2997.4	2966.1	3010.5	3156.8	3279.8	3220.3	3138.6	3115.4
22.5°	3239.5	3023.6	2888.4	2867.2	2913.6	3102.3	3321.2	3316.2	3226.4	3194.1
25°	3288.9	2985.2	2811.7	2796.6	2840.0	3076.0	3376.7	3446.3	3366.6	3320.2
27.5°	3366.6	2981.2	2772.4	2767.3	2826.9	3099.3	3456.4	3637.0	3537.1	3502.8
30°	3474.5	3019.5	2781.5	2791.5	2864.2	3183.0	3580.5	3854.9	3755.0	3701.5
32.5°	3629.9	3122.5	2919.7	2963.1	3016.5	3317.2	3762.1	4091.0	4015.3	3936.6
35°	3834.7	3404.9	3328.3	3512.9	3462.4	3610.7	3981.0	4377.5	4285.7	4217.1
37.5°	4108.1	3984.0	4054.7	4308.9	4186.8	4165.6	4248.4	4637.8	4587.3	4518.7
40°	4491.5	4516.7	4646.9	4980.8	4804.2	4668.0	4576.2	4833.5	4850.6	4765.9
42.5°	4745.7	4861.7	5175.5	5554.8	5311.7	4985.8	4850.6	5083.7	5084.7	5008.0
45°	4840.6	5144.2	5800.0	6236.8	5830.3	5167.4	5002.0	5423.7	5413.6	5325.8
47.5°	4806.3	5382.3	6448.7	7116.6	6496.1	5296.6	4980.8	5907.9	5989.7	5856.5
50°	4734.6	5621.4	7206.4	8194.0	7313.3	5433.8	4948.5	6444.7	6579.9	6476.9
52.5°	4807.3	5887.8	8102.2	9307.8	8338.3	5652.7	5166.4	7133.7	7109.5	6985.4
55°	5037.3	6202.5	9190.8	10707.1	9464.2	6023.0	5726.3	7790.5	7544.3	7396.0
57.5°	5026.2	6427.5	10145.2	11813.9	10443.8	6326.6	5921.1	7860.1	7362.7	7175.1
60°	4562.1	6324.6	10508.4	12514.0	10739.4	6159.2	5280.4	7020.7	6212.6	6015.9
62.5°	3404.9	5612.3	9804.2	11637.3	9903.1	5319.8	3970.9	5039.3	4464.3	4132.3
65°	2178.2	4390.6	8242.5	9427.9	8162.8	4068.8	2364.8	2701.8	2116.6	2021.8
67.5°	927.2	3099.3	6407.3	6301.4	6106.7	2636.2	913.0	760.7	567.0	556.9
70°	306.7	2108.5	3949.7	4203.0	3647.1	1816.0	301.7	255.2	254.2	245.2
72.5°	200.8	1132.0	2223.6	2475.8	2346.6	1045.2	182.6	170.5	174.5	170.5
75°	120.1	246.2	374.3	486.3	374.3	175.5	110.0	107.9	110.0	104.9
77.5°	70.6	68.6	66.6	66.6	65.6	60.5	55.5	53.5	54.5	55.5
80°	45.4	43.4	41.4	40.4	35.3	33.3	31.3	29.3	29.3	30.3
82.5°	29.3	27.2	25.2	22.2	18.2	15.1	14.1	12.1	12.1	13.1
85°	15.1	12.1	9.1	7.1	4.0	2.0	0.0	0.0	0.0	0.0
87.5°	3.0	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)