

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: P634740

Luminaire Tested: GWS-SA3C-735-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634740
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10709.2 lumens
Efficiency: N/A
Efficacy: 115.2 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

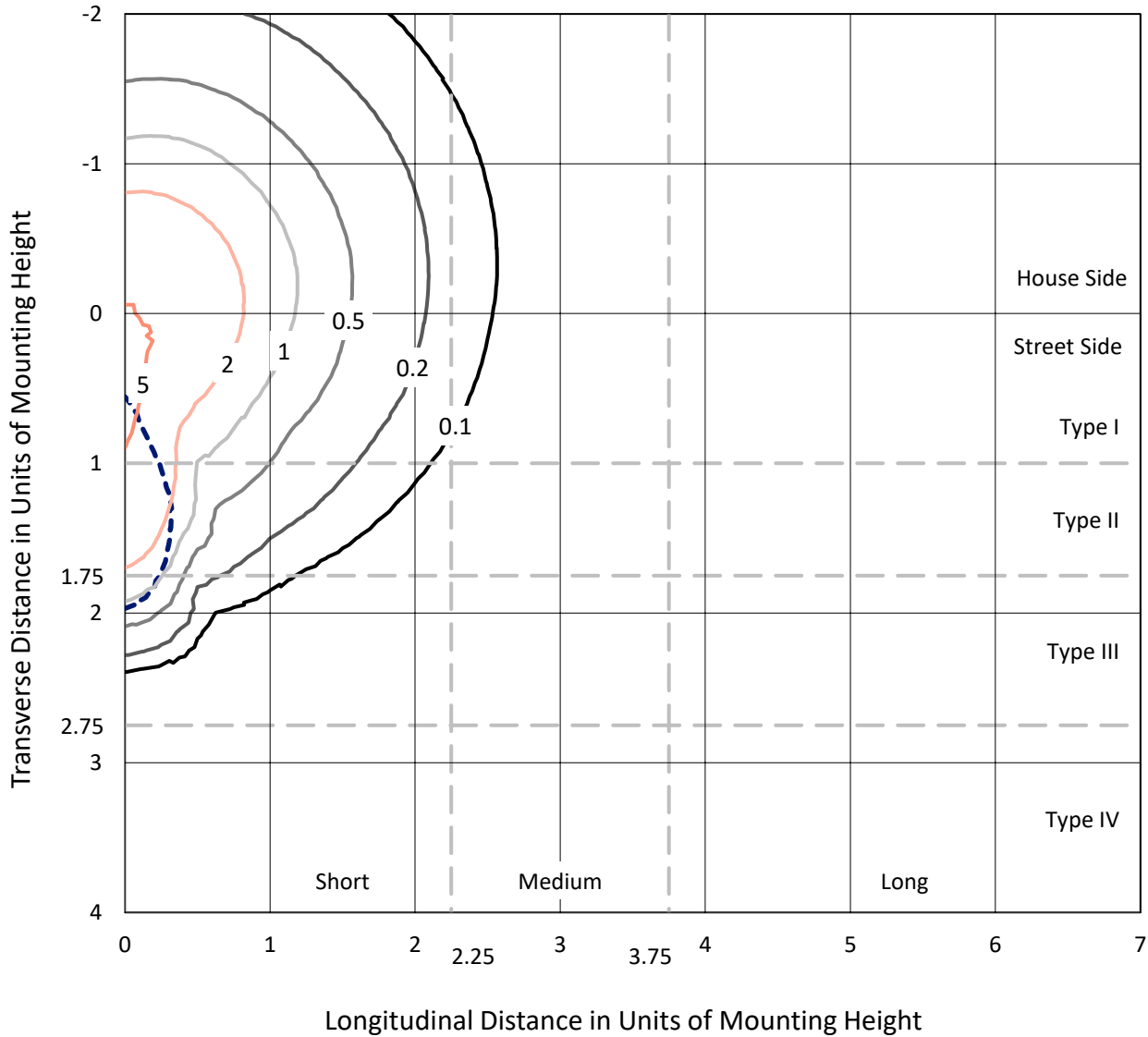
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634740
 CATALOG NUMBER: GWS-SA3C-735-U-SLL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

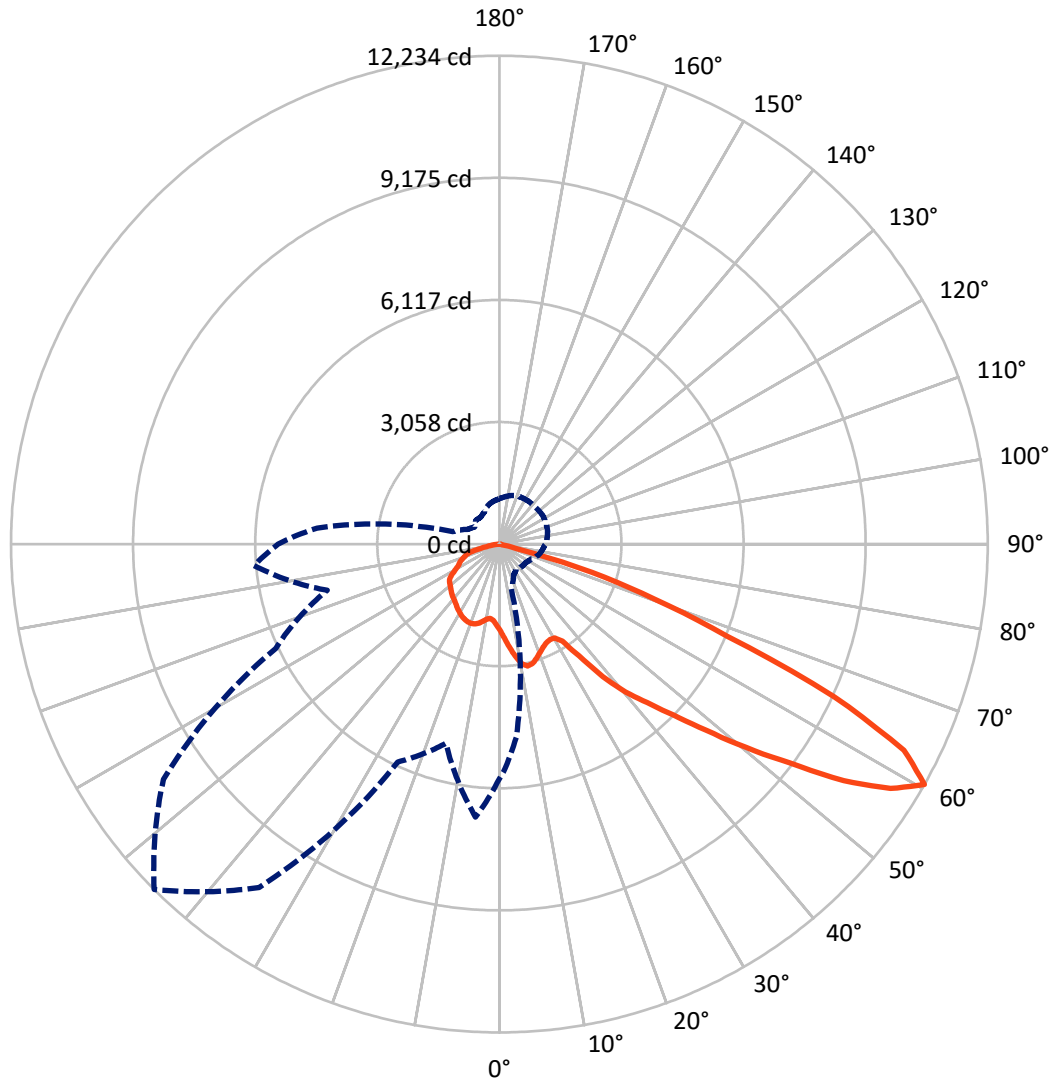
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.5 fc
 Type III - Short - N/A

REPORT NUMBER: P634740
CATALOG NUMBER: GWS-SA3C-735-U-SLL-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634740

CATALOG NUMBER: GWS-SA3C-735-U-SLL-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3663.5	0.0	3663.5
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	7045.7	0.0	7045.7
	% Fixture	65.8	0.0	65.8
Total	Lumens	10709.2	0.0	10709.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.0	2.0
10°-20°	676.9	6.3
20°-30°	1102.3	10.3
30°-40°	1548.5	14.5
40°-50°	2119.0	19.8
50°-60°	2718.6	25.4
60°-70°	1830.6	17.1
70°-80°	457.6	4.3
80°-90°	44.6	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°	10709.2	100.0
0°-180°	10709.2	100.0

Coefficient of Utilization



REPORT NUMBER: P634740

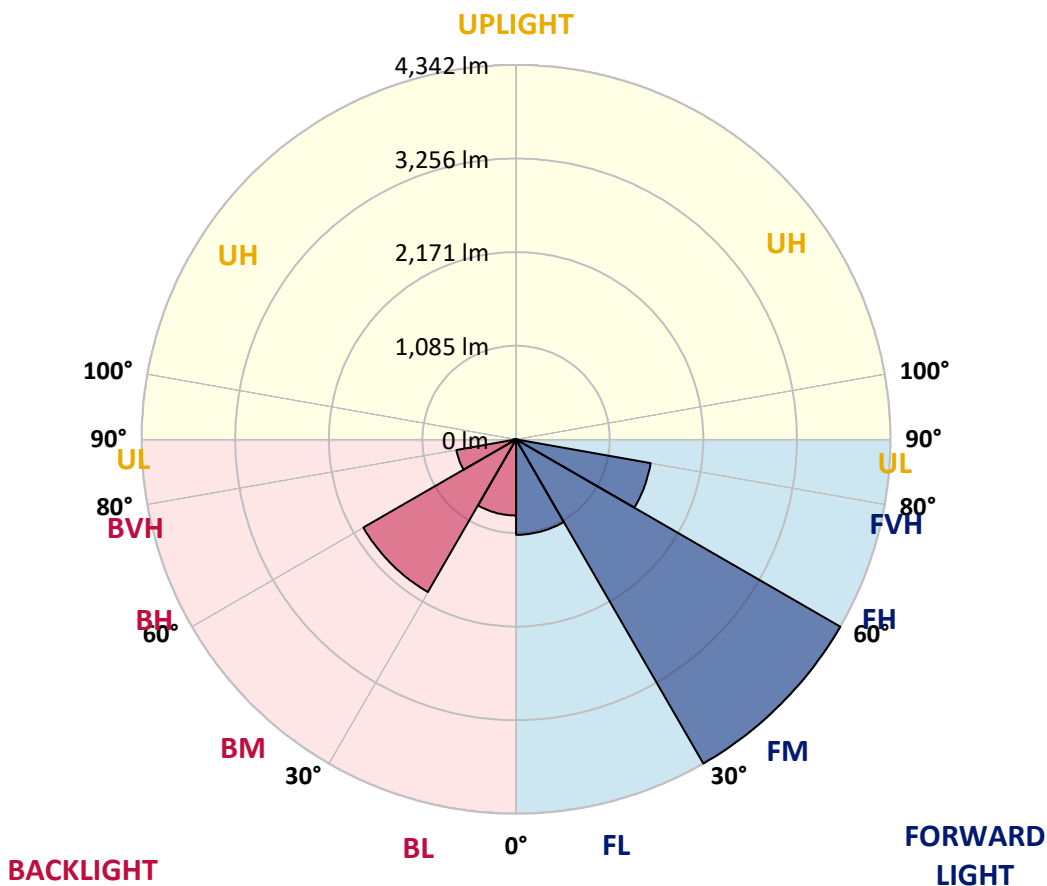
CATALOG NUMBER: GWS-SA3C-735-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1107.1	10.3			
FM (30°-60°)	4341.6	40.5			
FH (60°-80°)	1585.4	14.8			G1/1800
FVH (80°-90°)	11.6	0.1			G1/100
BL (0°-30°)	883.1	8.2	B2/1000		
BM (30°-60°)	2044.5	19.1	B2/2500		
BH (60°-80°)	702.8	6.6	B2/1000		G2/1000
BVH (80°-90°)	33.0	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: P634740

CATALOG NUMBER: GWS-SA3C-735-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9
2.5°	2285.2	2280.3	2275.3	2236.9	2227.0	2199.4	2179.7	2155.0	2119.5	2099.8	2083.0
5°	2428.2	2420.3	2393.7	2314.8	2263.5	2207.3	2160.9	2109.6	2055.4	2019.9	1992.3
7.5°	2563.3	2561.3	2516.0	2385.8	2302.9	2222.1	2158.9	2084.0	2006.1	1952.8	1917.3
10°	2688.6	2673.8	2619.5	2449.9	2341.4	2248.7	2180.6	2097.8	2007.1	1935.1	1887.7
12.5°	2799.0	2780.3	2705.3	2509.1	2374.9	2260.5	2186.6	2118.5	2058.3	1998.2	1943.9
15°	2889.8	2867.1	2791.1	2564.3	2404.5	2253.6	2150.1	2096.8	2117.5	2144.2	2084.0
17.5°	2974.6	2950.9	2858.2	2604.7	2413.4	2211.2	2060.3	2037.6	2142.2	2263.5	2235.9
20°	3045.6	3019.0	2911.5	2624.5	2397.6	2130.3	1943.9	1983.4	2121.5	2266.4	2310.8
22.5°	3122.5	3100.8	2971.6	2653.1	2377.9	2018.9	1846.3	1943.0	2086.0	2213.2	2280.3
25°	3245.8	3219.2	3065.3	2703.4	2368.0	1914.4	1776.3	1903.5	2036.6	2152.0	2204.3
27.5°	3424.3	3375.0	3193.5	2791.1	2378.9	1815.7	1731.9	1855.2	1979.4	2078.1	2120.5
30°	3618.6	3559.4	3335.6	2881.9	2394.7	1755.6	1708.2	1799.9	1891.7	1990.3	2036.6
32.5°	3848.4	3796.2	3487.5	2949.9	2361.1	1727.9	1690.5	1739.8	1812.8	1891.7	1930.1
35°	4122.6	4028.9	3653.1	3005.2	2252.6	1687.5	1674.7	1673.7	1712.2	1789.1	1832.5
37.5°	4417.5	4316.9	3857.3	3064.3	2084.0	1623.4	1637.2	1595.8	1631.3	1692.4	1741.8
40°	4659.1	4553.6	4063.4	3145.2	1872.9	1522.8	1554.4	1510.0	1531.7	1594.8	1650.0
42.5°	4895.8	4783.4	4255.8	3236.9	1668.8	1424.2	1440.0	1423.2	1430.1	1496.2	1573.1
45°	5206.5	5080.3	4492.5	3302.0	1485.3	1346.3	1331.5	1302.9	1339.4	1425.2	1507.0
47.5°	5725.3	5574.4	4880.1	3344.4	1352.2	1301.9	1233.8	1217.1	1262.4	1358.1	1442.9
50°	6331.9	6201.7	5499.4	3342.5	1252.6	1264.4	1139.1	1124.3	1199.3	1296.0	1385.7
52.5°	6828.9	6696.8	6029.1	3243.8	1170.7	1184.5	1083.9	1042.5	1145.1	1234.8	1324.6
55°	7230.3	7081.4	6272.7	2831.6	1067.1	1057.3	1023.7	947.8	1077.0	1173.7	1257.5
57.5°	7014.4	6836.8	5977.8	2153.0	960.6	898.5	920.2	864.0	984.3	1105.6	1186.5
60°	5881.1	5721.4	4856.4	1146.0	845.2	750.6	795.9	804.8	882.7	1023.7	1106.6
62.5°	4039.8	3923.4	3291.2	695.3	666.7	602.6	673.6	737.7	795.9	915.3	987.3
65°	1976.5	1942.0	1646.1	445.8	466.5	487.2	558.2	636.1	721.9	826.5	902.4
67.5°	544.4	548.4	499.1	348.2	367.9	425.1	481.3	543.4	629.2	725.9	802.8
70°	239.7	243.6	251.5	268.3	305.7	358.0	416.2	480.3	559.2	640.1	714.1
72.5°	166.7	170.6	182.5	204.2	237.7	287.0	342.2	403.4	485.2	553.3	614.4
75°	102.6	105.5	116.4	135.1	157.8	195.3	249.5	305.7	377.7	439.9	494.1
77.5°	54.2	52.3	59.2	72.0	91.7	111.4	147.9	183.4	234.7	285.0	330.4
80°	29.6	28.6	32.5	39.5	45.4	61.1	85.8	109.5	139.1	167.7	192.3
82.5°	12.8	11.8	12.8	16.8	20.7	29.6	43.4	60.2	76.9	96.7	112.4
85°	0.0	0.0	0.0	1.0	4.9	7.9	14.8	21.7	31.6	43.4	53.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	8.9
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: P634740

CATALOG NUMBER: GWS-SA3C-735-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9
2.5°	2073.1	2048.5	2046.5	2026.8	2028.8	2029.7	2010.0	2002.1	2009.0	2016.9	2013.0
5°	1982.4	1956.8	1945.9	1927.2	1925.2	1916.3	1908.4	1898.6	1905.5	1912.4	1916.3
7.5°	1903.5	1886.7	1879.8	1874.9	1876.9	1872.9	1857.1	1848.3	1847.3	1850.2	1854.2
10°	1877.9	1864.1	1872.9	1886.7	1896.6	1903.5	1886.7	1871.9	1858.1	1852.2	1852.2
12.5°	1933.1	1915.3	1933.1	1947.9	1967.6	1972.5	1953.8	1938.0	1933.1	1939.0	1950.8
15°	2055.4	2014.0	2013.0	2021.9	2037.6	2045.5	2027.8	2019.9	2019.9	2057.4	2086.9
17.5°	2177.7	2109.6	2081.0	2076.1	2086.0	2088.9	2074.1	2067.2	2085.0	2158.0	2213.2
20°	2263.5	2180.6	2118.5	2106.7	2109.6	2110.6	2098.8	2093.9	2119.5	2208.3	2254.6
22.5°	2254.6	2193.5	2117.5	2102.7	2107.7	2105.7	2094.8	2092.9	2113.6	2190.5	2212.2
25°	2193.5	2146.1	2082.0	2072.2	2080.0	2079.1	2068.2	2063.3	2072.2	2123.4	2125.4
27.5°	2123.4	2082.0	2026.8	2023.8	2036.6	2043.6	2024.8	2010.0	2007.1	2041.6	2033.7
30°	2039.6	2009.0	1964.7	1966.6	1990.3	1994.2	1971.6	1949.9	1943.9	1962.7	1951.8
32.5°	1940.0	1930.1	1906.5	1911.4	1934.1	1942.0	1918.3	1895.6	1888.7	1894.6	1871.9
35°	1855.2	1851.2	1853.2	1862.1	1881.8	1887.7	1868.0	1850.2	1840.4	1819.7	1790.1
37.5°	1767.4	1778.2	1806.8	1823.6	1834.5	1832.5	1821.6	1808.8	1793.0	1754.6	1718.1
40°	1685.5	1713.2	1764.4	1783.2	1787.1	1788.1	1780.2	1769.4	1749.6	1698.4	1656.9
42.5°	1622.4	1653.0	1721.0	1749.6	1751.6	1753.6	1745.7	1736.8	1709.2	1641.2	1600.7
45°	1556.3	1596.8	1676.7	1711.2	1709.2	1708.2	1701.3	1697.4	1664.8	1585.9	1541.5
47.5°	1500.1	1547.5	1633.3	1662.9	1661.9	1660.9	1655.9	1655.9	1623.4	1537.6	1487.3
50°	1444.9	1499.1	1588.9	1613.5	1615.5	1613.5	1611.6	1614.5	1576.1	1484.3	1435.0
52.5°	1384.7	1445.9	1539.6	1562.3	1574.1	1579.0	1579.0	1572.1	1526.7	1431.1	1376.8
55°	1318.6	1376.8	1485.3	1515.9	1525.8	1534.6	1534.6	1520.8	1478.4	1381.8	1323.6
57.5°	1236.8	1288.1	1373.9	1404.4	1428.1	1434.0	1434.0	1411.4	1376.8	1284.1	1236.8
60°	1148.0	1192.4	1250.6	1283.1	1300.9	1289.1	1297.9	1292.0	1264.4	1178.6	1139.1
62.5°	1029.7	1075.0	1139.1	1172.7	1180.6	1168.7	1180.6	1179.6	1142.1	1065.2	1017.8
65°	944.8	989.2	1052.4	1095.7	1108.6	1105.6	1113.5	1101.7	1055.3	982.3	937.0
67.5°	844.2	891.6	964.6	1012.9	1039.5	1042.5	1053.3	1028.7	981.3	901.5	844.2
70°	748.6	789.0	845.2	890.6	928.1	946.8	948.8	913.3	854.1	788.0	746.6
72.5°	648.0	689.4	757.5	806.8	854.1	875.8	875.8	832.4	768.3	695.3	650.9
75°	525.7	564.1	626.3	679.5	733.8	761.4	760.4	722.9	651.9	582.9	536.5
77.5°	356.0	384.6	424.1	464.5	472.4	494.1	505.0	457.6	418.2	380.7	339.3
80°	207.1	224.9	246.6	269.3	274.2	281.1	263.3	245.6	224.9	200.2	181.5
82.5°	121.3	133.1	144.0	161.7	164.7	166.7	150.9	143.0	126.2	111.4	99.6
85°	59.2	63.1	73.0	81.9	77.9	75.9	69.0	61.1	54.2	48.3	42.4
87.5°	11.8	11.8	17.8	16.8	13.8	11.8	6.9	8.9	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



REPORT NUMBER: P634740

CATALOG NUMBER: GWS-SA3C-735-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9
2.5°	2025.8	2042.6	2063.3	2090.9	2122.5	2156.0	2188.5	2213.2	2237.8	2274.3	2268.4
5°	1922.2	1950.8	1983.4	2025.8	2077.1	2135.3	2200.4	2265.5	2335.5	2394.7	2420.3
7.5°	1862.1	1893.6	1932.1	1987.3	2053.4	2124.4	2216.1	2321.7	2435.1	2513.0	2561.3
10°	1862.1	1902.5	1952.8	2006.1	2064.3	2137.2	2250.7	2382.8	2528.8	2631.4	2687.6
12.5°	1969.6	2010.0	2020.9	2018.9	2051.4	2132.3	2278.3	2446.9	2621.5	2730.0	2799.0
15°	2137.2	2151.1	2069.2	1994.2	1999.2	2096.8	2291.1	2498.2	2701.4	2831.6	2906.5
17.5°	2249.7	2213.2	2067.2	1936.0	1908.4	2036.6	2291.1	2547.5	2786.2	2933.2	3003.2
20°	2258.6	2167.8	2016.9	1879.8	1808.8	1956.8	2275.3	2585.0	2868.1	3030.8	3105.8
22.5°	2180.6	2090.9	1963.7	1831.5	1727.0	1860.1	2249.7	2613.6	2938.1	3122.5	3215.2
25°	2091.9	2016.9	1909.4	1782.2	1670.7	1762.5	2226.0	2661.9	3035.7	3246.8	3340.5
27.5°	2005.1	1942.0	1844.3	1740.8	1639.2	1677.6	2211.2	2733.0	3152.1	3423.3	3504.2
30°	1920.3	1863.1	1774.3	1701.3	1622.4	1622.4	2198.4	2814.8	3306.0	3621.6	3702.5
32.5°	1834.5	1780.2	1708.2	1662.9	1612.6	1600.7	2162.9	2891.7	3464.8	3838.6	3921.4
35°	1754.6	1700.3	1645.1	1626.4	1607.6	1583.9	2075.1	2951.9	3619.6	4092.0	4163.0
37.5°	1679.6	1627.3	1585.9	1581.0	1583.0	1538.6	1937.0	3002.2	3812.9	4351.4	4388.9
40°	1614.5	1556.3	1523.8	1522.8	1532.7	1465.6	1762.5	3074.2	4033.8	4571.4	4555.6
42.5°	1556.3	1495.2	1455.7	1464.6	1458.7	1392.6	1591.8	3140.3	4226.2	4777.5	4745.9
45°	1499.1	1440.0	1384.7	1397.5	1390.6	1347.2	1446.9	3188.6	4439.2	5025.0	5029.0
47.5°	1443.9	1385.7	1330.5	1314.7	1313.7	1333.4	1335.4	3204.4	4786.4	5423.5	5333.7
50°	1392.6	1334.4	1277.2	1224.0	1244.7	1305.8	1252.6	3192.6	5306.1	5863.4	5612.9
52.5°	1339.4	1284.1	1221.0	1125.3	1179.6	1239.7	1178.6	3150.1	5623.7	6252.0	6102.1
55°	1278.2	1225.9	1140.1	1023.7	1089.8	1102.7	1102.7	2739.9	5758.8	6636.6	6729.3
57.5°	1196.3	1127.3	991.2	897.5	956.7	907.4	1021.8	1917.3	5535.9	6515.3	6875.3
60°	1103.6	1029.7	885.7	818.6	836.4	749.6	870.9	1202.3	4588.1	5543.8	6167.1
62.5°	981.3	913.3	793.9	741.7	705.2	611.5	701.2	760.4	3145.2	4116.7	4541.8
65°	899.5	824.5	718.0	649.0	574.0	492.1	465.5	499.1	1691.5	2303.9	2590.9
67.5°	802.8	728.9	628.3	541.5	481.3	422.1	375.8	363.9	579.9	767.3	830.4
70°	711.1	640.1	556.3	475.4	415.2	357.0	311.7	279.1	268.3	266.3	262.3
72.5°	617.4	551.3	481.3	406.3	340.3	287.0	246.6	209.1	193.3	188.4	183.4
75°	506.0	453.7	383.7	302.8	249.5	200.2	168.7	144.0	130.2	125.3	119.3
77.5°	325.5	301.8	240.6	195.3	150.9	119.3	102.6	86.8	77.9	75.9	71.0
80°	173.6	161.7	133.1	112.4	89.8	73.0	64.1	55.2	50.3	48.3	46.4
82.5°	96.7	87.8	74.0	65.1	52.3	44.4	39.5	35.5	32.5	31.6	30.6
85°	43.4	37.5	29.6	27.6	24.7	22.7	21.7	19.7	18.7	17.8	16.8
87.5°	2.0	3.9	4.9	3.9	3.9	5.9	6.9	6.9	5.9	5.9	4.9
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: P634740

CATALOG NUMBER: GWS-SA3C-735-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9
2.5°	2304.9	2334.5	2337.5	2347.3	2334.5	2331.5	2310.8	2299.0	2288.1	2285.2
5°	2484.4	2543.6	2567.3	2584.0	2568.2	2560.4	2515.0	2467.6	2441.0	2428.2
7.5°	2668.8	2757.6	2804.0	2824.7	2826.7	2791.1	2713.2	2624.5	2580.1	2563.3
10°	2833.6	2943.0	3004.2	3043.6	3029.8	2986.4	2879.9	2759.6	2703.4	2688.6
12.5°	2955.9	3060.4	3107.7	3133.4	3132.4	3108.7	3008.1	2877.9	2813.8	2799.0
15°	3034.8	3096.9	3099.8	3105.8	3122.5	3154.1	3101.8	2981.5	2910.5	2889.8
17.5°	3096.9	3072.2	3025.9	3010.1	3047.6	3135.4	3166.9	3069.3	2992.3	2974.6
20°	3136.3	3012.1	2930.2	2899.6	2943.0	3086.0	3206.4	3148.2	3068.3	3045.6
22.5°	3166.9	2955.9	2823.7	2803.0	2848.3	3032.8	3246.8	3241.9	3154.1	3122.5
25°	3215.2	2918.4	2748.7	2733.9	2776.4	3007.1	3301.0	3369.1	3291.2	3245.8
27.5°	3291.2	2914.4	2710.3	2705.3	2763.5	3029.8	3379.0	3555.5	3457.9	3424.3
30°	3396.7	2951.9	2719.1	2729.0	2800.0	3111.7	3500.3	3768.5	3670.9	3618.6
32.5°	3548.6	3052.5	2854.3	2896.7	2948.9	3242.9	3677.8	3999.3	3925.4	3848.4
35°	3748.8	3328.7	3253.7	3434.2	3384.9	3529.9	3891.8	4279.4	4189.7	4122.6
37.5°	4016.1	3894.8	3963.8	4212.4	4093.0	4072.3	4153.2	4533.9	4484.6	4417.5
40°	4390.9	4415.5	4542.8	4869.2	4696.6	4563.5	4473.7	4725.2	4742.0	4659.1
42.5°	4639.4	4752.8	5059.6	5430.4	5192.7	4874.1	4742.0	4969.8	4970.8	4895.8
45°	4732.1	5029.0	5670.1	6097.1	5699.7	5051.7	4889.9	5302.2	5292.3	5206.5
47.5°	4698.6	5261.8	6304.2	6957.2	6350.6	5177.9	4869.2	5775.6	5855.5	5725.3
50°	4628.6	5495.5	7044.9	8010.5	7149.5	5312.1	4837.7	6300.3	6432.5	6331.9
52.5°	4699.6	5755.9	7920.7	9099.3	8151.5	5526.1	5050.7	6973.9	6950.2	6828.9
55°	4924.4	6063.6	8984.9	10467.3	9252.2	5888.0	5598.1	7616.0	7375.3	7230.3
57.5°	4913.6	6283.5	9917.9	11549.2	10209.9	6184.9	5788.4	7684.0	7197.8	7014.4
60°	4459.9	6182.9	10273.0	12233.7	10498.8	6021.2	5162.1	6863.5	6073.5	5881.1
62.5°	3328.7	5486.6	9584.6	11376.6	9681.2	5200.6	3882.0	4926.4	4364.2	4039.8
65°	2129.4	4292.2	8057.8	9216.7	7979.9	3977.6	2311.8	2641.2	2069.2	1976.5
67.5°	906.4	3029.8	6263.8	6160.2	5969.9	2577.1	892.6	743.6	554.3	544.4
70°	299.8	2061.3	3861.2	4108.8	3565.4	1775.3	294.9	249.5	248.5	239.7
72.5°	196.3	1106.6	2173.7	2420.3	2294.1	1021.8	178.5	166.7	170.6	166.7
75°	117.4	240.6	365.9	475.4	365.9	171.6	107.5	105.5	107.5	102.6
77.5°	69.0	67.1	65.1	65.1	64.1	59.2	54.2	52.3	53.3	54.2
80°	44.4	42.4	40.4	39.5	34.5	32.5	30.6	28.6	28.6	29.6
82.5°	28.6	26.6	24.7	21.7	17.8	14.8	13.8	11.8	11.8	12.8
85°	14.8	11.8	8.9	6.9	3.9	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)