

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: P634744

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634744  
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-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

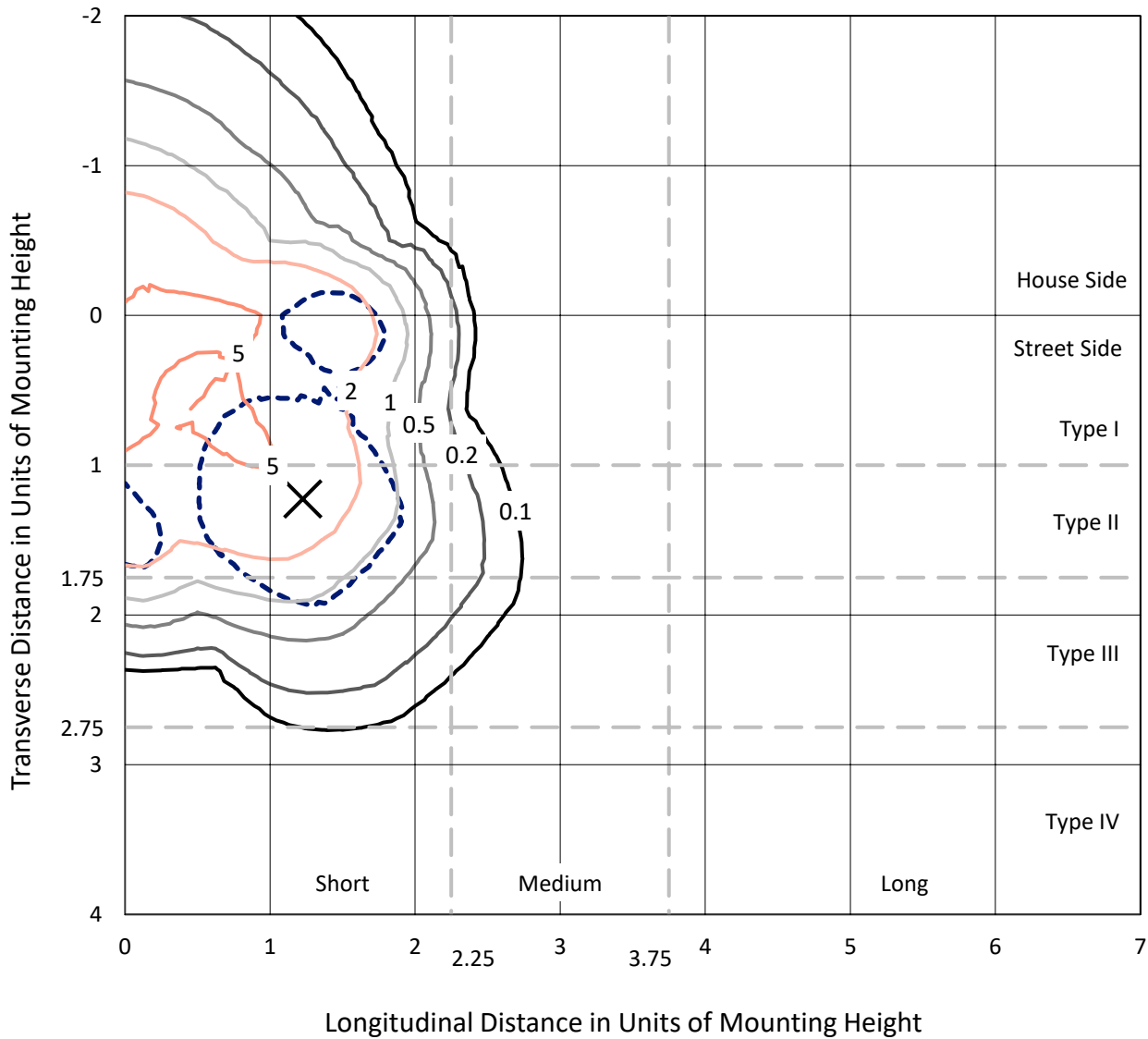
Lumens per Lamp: N/A  
Luminaire Lumens: 10764.4 lumens  
Efficiency: N/A  
Efficacy: 115.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): 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: P634744  
 CATALOG NUMBER: GWS-SA3C-735-U-SLR-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

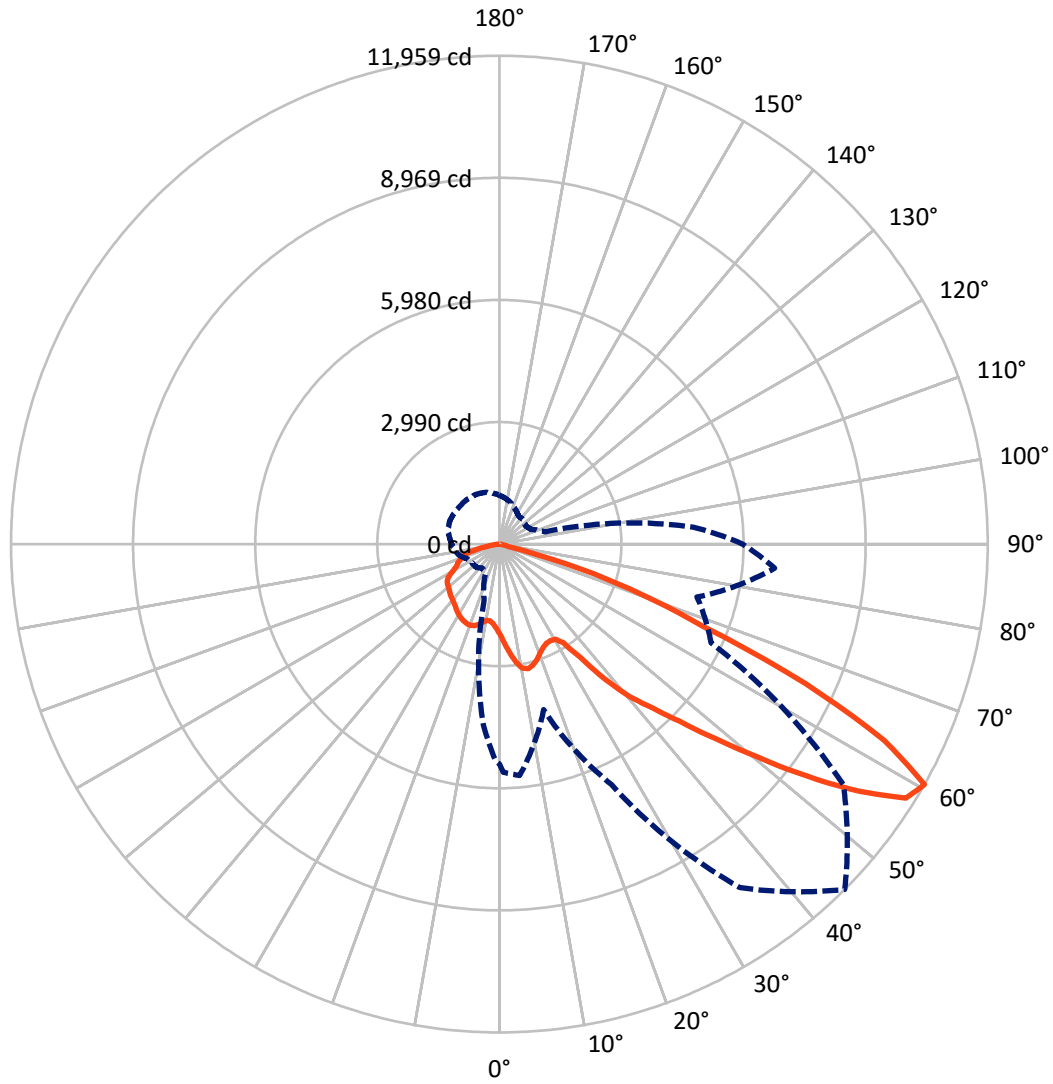
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.4 fc  
 Type III - Short - N/A

REPORT NUMBER: P634744  
CATALOG NUMBER: GWS-SA3C-735-U-SLR-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P634744

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

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3773.3	0.0	3773.3
	% Fixture	35.1	0.0	35.1
<b>Street Side</b>	Lumens	6991.1	0.0	6991.1
	% Fixture	64.9	0.0	64.9
<b>Total</b>	Lumens	10764.4	0.0	10764.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.7	2.0
10°-20°	681.8	6.3
20°-30°	1107.5	10.3
30°-40°	1561.8	14.5
40°-50°	2158.4	20.1
50°-60°	2778.5	25.8
60°-70°	1760.5	16.4
70°-80°	451.8	4.2
80°-90°	48.3	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°	10764.4	100.0
0°-180°	10764.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P634744

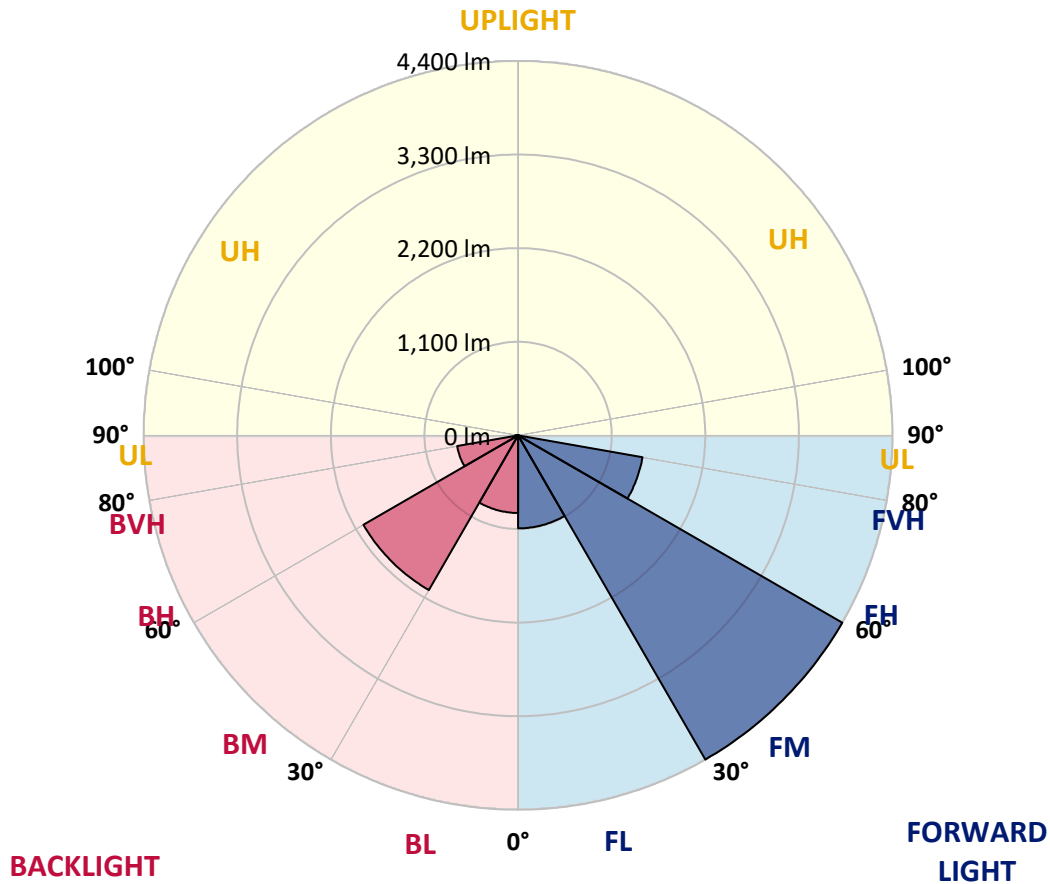
CATALOG NUMBER: GWS-SA3C-735-U-SLR-W-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1093.0	10.2			
FM (30°-60°)	4399.9	40.9			
FH (60°-80°)	1485.1	13.8			G1/1800
FVH (80°-90°)	13.1	0.1			G1/100
BL (0°-30°)	912.0	8.5	B2/1000		
BM (30°-60°)	2099.0	19.5	B2/2500		
BH (60°-80°)	727.1	6.8	B2/1000		G2/1000
BVH (80°-90°)	35.2	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





REPORT NUMBER: P634744

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

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3
2.5°	2312.9	2328.7	2338.6	2357.3	2390.8	2409.6	2430.3	2407.6	2413.5	2410.6	2374.1
5°	2450.0	2468.8	2494.4	2549.6	2611.8	2646.3	2678.8	2673.9	2643.3	2592.0	2555.5
7.5°	2578.2	2599.9	2644.3	2734.1	2825.8	2879.1	2918.5	2892.9	2867.2	2786.3	2694.6
10°	2678.8	2691.7	2751.8	2872.2	2978.7	3038.8	3087.2	3081.3	3045.7	2955.0	2831.7
12.5°	2773.5	2782.4	2847.5	2967.8	3063.5	3090.1	3129.6	3142.4	3130.6	3062.5	2941.2
15°	2875.1	2891.9	2952.0	3043.8	3087.2	3059.6	3073.4	3108.9	3142.4	3142.4	3031.0
17.5°	2969.8	2984.6	3045.7	3085.2	3043.8	2970.8	2974.7	3020.1	3100.0	3183.8	3112.8
20°	3053.6	3067.4	3127.6	3090.1	2959.0	2852.4	2849.5	2904.7	3033.9	3210.5	3200.6
22.5°	3145.4	3165.1	3215.4	3094.1	2880.0	2744.9	2743.9	2801.1	2975.7	3237.1	3301.2
25°	3275.6	3306.1	3331.8	3128.6	2837.6	2674.9	2687.7	2742.0	2957.0	3280.5	3450.1
27.5°	3468.9	3493.5	3491.6	3200.6	2835.7	2646.3	2672.9	2736.0	2990.5	3357.4	3607.0
30°	3678.0	3690.8	3670.1	3301.2	2881.0	2664.0	2703.5	2778.5	3075.3	3484.7	3837.8
32.5°	3909.8	3925.5	3886.1	3452.1	2986.6	2795.2	2882.0	2918.5	3194.7	3668.1	4082.4
35°	4176.1	4206.6	4124.8	3651.3	3297.3	3273.6	3399.8	3352.5	3448.2	3885.1	4343.7
37.5°	4456.2	4457.2	4339.8	3946.3	3906.8	3947.2	4199.7	4051.8	3985.7	4126.8	4610.0
40°	4693.9	4688.0	4507.5	4343.7	4437.4	4598.2	4903.0	4676.1	4502.5	4451.2	4831.0
42.5°	4931.6	4909.9	4727.4	4596.2	4803.4	5133.8	5478.0	5199.9	4833.9	4746.2	5049.0
45°	5235.4	5228.5	5008.5	4696.8	5133.8	5733.5	6190.1	5739.4	5030.2	4917.8	5411.9
47.5°	5725.6	5692.0	5282.7	4689.0	5443.5	6532.4	7109.4	6419.0	5167.3	4921.7	5997.8
50°	6204.9	6163.5	5610.2	4688.0	5763.1	7360.9	8194.3	7244.5	5307.4	4945.4	6593.5
52.5°	6689.2	6689.2	6147.7	4799.4	6098.4	8286.1	9447.9	8273.2	5546.1	5255.1	7326.4
55°	6977.2	7054.1	6752.3	4987.8	6491.0	9374.9	10687.7	9383.8	5914.9	5814.3	8003.0
57.5°	6611.3	6755.3	6711.9	4856.6	6722.7	10174.8	11739.1	10226.1	6097.4	5880.4	7901.4
60°	5387.3	5587.5	5687.1	4193.8	6493.9	10267.6	11959.1	10281.4	5720.6	5007.5	6768.1
62.5°	3581.3	3746.0	3897.9	2996.4	5622.0	9236.9	10577.3	9239.8	4777.7	3737.2	4689.0
65°	1756.6	1878.9	2042.7	1771.4	4392.1	7717.9	8246.6	7466.4	3456.1	2092.0	2391.8
67.5°	459.6	494.1	516.8	687.5	3146.4	5545.1	5378.4	5461.2	2220.2	683.5	625.3
70°	238.7	240.7	239.7	284.1	2126.5	3524.1	3706.6	3429.4	1549.5	286.0	246.6
72.5°	170.6	171.6	168.7	191.3	1026.8	2019.0	2092.0	2069.3	811.7	169.6	168.7
75°	111.5	112.4	110.5	112.4	154.9	229.8	212.1	222.9	135.1	107.5	107.5
77.5°	66.1	67.1	66.1	68.1	66.1	66.1	61.2	61.2	58.2	58.2	59.2
80°	44.4	44.4	43.4	45.4	41.4	41.4	39.5	38.5	35.5	34.5	34.5
82.5°	26.6	27.6	26.6	26.6	24.7	24.7	22.7	21.7	18.7	18.7	17.8
85°	13.8	13.8	12.8	12.8	10.8	9.9	7.9	7.9	5.9	4.9	4.9
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: P634744

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3
2.5°	2364.2	2344.5	2314.9	2286.3	2259.7	2232.0	2200.5	2167.9	2140.3	2111.7	2096.9
5°	2507.2	2466.8	2389.8	2321.8	2260.6	2210.3	2156.1	2109.7	2066.3	2030.8	2013.1
7.5°	2636.4	2573.3	2456.9	2349.4	2266.6	2197.5	2122.6	2053.5	1995.3	1951.9	1935.2
10°	2755.8	2680.8	2527.9	2391.8	2295.2	2218.2	2126.5	2032.8	1955.9	1898.7	1884.9
12.5°	2852.4	2766.6	2584.2	2426.3	2311.9	2229.1	2148.2	2067.3	1991.4	1917.4	1905.6
15°	2938.2	2836.6	2626.6	2448.0	2306.0	2200.5	2132.4	2122.6	2122.6	2038.7	2015.0
17.5°	3012.2	2900.8	2661.1	2457.9	2268.5	2115.7	2074.2	2160.0	2256.7	2196.5	2143.3
20°	3097.0	2961.9	2689.7	2457.9	2199.5	2008.1	2004.2	2150.2	2293.2	2294.2	2238.0
22.5°	3182.8	3032.9	2723.2	2449.0	2104.8	1883.9	1956.9	2110.7	2238.0	2292.2	2253.7
25°	3321.9	3131.6	2776.5	2442.1	1994.3	1799.0	1914.4	2058.4	2166.0	2223.2	2198.5
27.5°	3498.5	3261.8	2857.4	2453.0	1884.9	1748.7	1869.1	1990.4	2088.0	2138.3	2120.6
30°	3695.7	3411.7	2944.2	2471.7	1805.9	1723.1	1814.8	1912.5	1999.3	2049.6	2041.7
32.5°	3947.2	3574.4	3019.1	2446.1	1761.6	1710.3	1757.6	1827.6	1911.5	1943.0	1949.9
35°	4248.1	3753.9	3076.3	2345.5	1721.1	1696.5	1695.5	1738.9	1798.1	1848.4	1853.3
37.5°	4525.2	3964.0	3139.4	2172.9	1648.1	1661.9	1622.5	1648.1	1706.3	1756.6	1776.4
40°	4799.4	4177.1	3227.2	1952.9	1552.5	1585.0	1538.7	1556.4	1602.8	1668.8	1700.4
42.5°	5065.7	4369.4	3319.9	1728.0	1456.8	1477.5	1443.0	1460.7	1509.1	1591.9	1627.4
45°	5355.7	4629.8	3391.9	1516.0	1373.9	1365.1	1337.4	1363.1	1436.1	1526.8	1569.2
47.5°	5904.1	5040.1	3439.3	1374.9	1329.6	1265.4	1233.9	1289.1	1372.0	1463.7	1515.0
50°	6573.8	5633.8	3425.5	1285.2	1291.1	1162.9	1152.0	1225.0	1313.8	1409.4	1465.7
52.5°	7104.4	6216.8	3268.7	1199.4	1216.1	1097.8	1066.2	1172.7	1257.6	1355.2	1413.4
55°	7509.8	6413.0	2787.3	1097.8	1093.8	1050.4	984.3	1118.5	1201.3	1292.1	1355.2
57.5°	7179.4	5976.1	2066.3	957.7	934.0	956.7	892.6	1026.8	1132.3	1222.0	1278.3
60°	5958.3	4764.9	1151.0	848.2	781.2	836.4	826.5	930.1	1057.3	1152.0	1200.3
62.5°	4044.9	3173.0	682.5	670.7	633.2	712.1	764.4	832.5	957.7	1034.6	1080.0
65°	2016.0	1541.6	453.7	502.0	507.0	585.9	684.5	759.5	864.0	942.9	988.3
67.5°	584.9	479.4	345.2	383.7	436.9	500.1	579.0	667.7	769.3	863.0	916.3
70°	252.5	255.5	274.2	319.6	371.8	436.9	515.8	602.6	688.4	760.5	800.9
72.5°	178.5	185.4	206.1	252.5	301.8	364.0	442.9	526.7	588.8	661.8	704.2
75°	114.4	119.3	136.1	171.6	208.1	268.3	343.2	420.2	484.3	536.6	577.0
77.5°	63.1	64.1	77.9	98.6	123.3	161.8	217.0	277.2	324.5	354.1	390.6
80°	36.5	36.5	43.4	56.2	71.0	94.7	125.3	154.9	183.5	202.2	219.9
82.5°	19.7	19.7	22.7	30.6	38.5	52.3	70.0	84.8	102.6	112.4	124.3
85°	5.9	5.9	7.9	10.8	13.8	19.7	27.6	35.5	43.4	50.3	57.2
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: P634744

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

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3
2.5°	2094.0	2080.1	2072.3	2062.4	2065.3	2056.5	2051.5	2054.5	2036.7	2054.5	2072.3
5°	2006.2	1986.4	1970.7	1957.8	1951.9	1940.1	1933.2	1933.2	1922.3	1940.1	1961.8
7.5°	1929.2	1913.5	1905.6	1897.7	1888.8	1877.9	1866.1	1862.2	1855.3	1874.0	1892.7
10°	1877.9	1879.9	1884.9	1895.7	1893.7	1886.8	1869.1	1859.2	1859.2	1880.9	1909.5
12.5°	1901.6	1922.3	1934.2	1953.9	1957.8	1951.9	1934.2	1926.3	1946.0	1978.6	2025.9
15°	1993.3	2007.2	2017.0	2032.8	2031.8	2026.9	2013.1	2019.0	2084.1	2147.2	2189.6
17.5°	2093.0	2077.2	2075.2	2085.1	2088.0	2082.1	2074.2	2100.9	2208.4	2267.5	2289.2
20°	2165.0	2110.7	2098.9	2102.8	2110.7	2107.8	2107.8	2151.2	2262.6	2290.2	2262.6
22.5°	2186.7	2109.7	2092.0	2093.0	2103.8	2104.8	2109.7	2155.1	2220.2	2221.2	2178.8
25°	2152.1	2078.2	2065.3	2067.3	2080.1	2079.2	2081.1	2106.8	2135.4	2123.5	2092.0
27.5°	2087.0	2022.9	2019.0	2029.8	2046.6	2037.7	2031.8	2038.7	2052.5	2037.7	2010.1
30°	2013.1	1958.8	1960.8	1981.5	1999.3	1984.5	1969.7	1973.6	1974.6	1958.8	1927.3
32.5°	1935.2	1894.7	1901.6	1923.3	1944.0	1928.3	1912.5	1910.5	1891.8	1873.0	1842.4
35°	1857.2	1841.5	1850.3	1868.1	1885.8	1873.0	1863.2	1857.2	1816.8	1789.2	1763.5
37.5°	1786.2	1798.1	1813.8	1824.7	1830.6	1829.6	1823.7	1809.9	1756.6	1724.1	1690.5
40°	1723.1	1759.6	1776.4	1781.3	1790.2	1788.2	1787.2	1767.5	1697.5	1662.9	1624.5
42.5°	1665.9	1717.2	1745.8	1750.7	1755.6	1756.6	1753.7	1725.1	1645.2	1604.7	1568.2
45°	1610.7	1677.7	1714.2	1709.3	1716.2	1716.2	1719.2	1681.7	1593.9	1552.5	1514.0
47.5°	1562.3	1641.2	1674.8	1668.8	1672.8	1675.8	1678.7	1635.3	1537.7	1498.2	1458.8
50°	1517.9	1601.8	1630.4	1632.4	1632.4	1639.3	1638.3	1595.9	1490.3	1447.9	1408.5
52.5°	1470.6	1561.3	1591.9	1604.7	1608.7	1611.6	1597.8	1548.5	1442.0	1390.7	1354.2
55°	1415.4	1519.9	1547.5	1564.3	1572.2	1570.2	1551.5	1501.2	1392.7	1341.4	1300.0
57.5°	1331.5	1431.1	1470.6	1478.5	1491.3	1483.4	1461.7	1419.3	1313.8	1262.5	1220.1
60°	1239.8	1311.8	1343.4	1350.3	1340.4	1343.4	1340.4	1300.0	1208.2	1167.8	1124.4
62.5°	1119.5	1183.6	1217.1	1226.0	1209.2	1220.1	1216.1	1165.8	1074.1	1031.7	993.2
65°	1028.7	1098.8	1138.2	1143.1	1138.2	1143.1	1129.3	1068.2	981.4	938.0	898.5
67.5°	957.7	1029.7	1071.1	1084.9	1080.0	1079.0	1057.3	986.3	896.6	849.2	798.9
70°	835.4	898.5	951.8	985.3	985.3	966.6	925.2	859.1	787.1	746.6	707.2
72.5°	739.7	819.6	871.9	906.4	913.3	902.5	844.3	774.3	691.4	651.0	609.5
75°	609.5	687.5	743.7	789.1	797.9	786.1	719.0	650.0	573.1	533.6	492.2
77.5°	407.3	453.7	499.1	540.5	531.6	539.5	494.1	441.9	394.5	364.9	346.2
80°	229.8	260.4	274.2	296.9	296.9	296.9	267.3	242.6	216.0	199.2	180.5
82.5°	130.2	149.9	155.8	174.6	179.5	180.5	160.8	145.0	128.2	119.3	106.5
85°	60.2	71.0	72.0	82.9	86.8	94.7	85.8	75.0	65.1	61.2	53.3
87.5°	2.0	5.9	7.9	14.8	19.7	22.7	24.7	24.7	20.7	18.7	15.8
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: P634744  
 CATALOG NUMBER: GWS-SA3C-735-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3	2211.3
2.5°	2094.0	2117.6	2145.2	2165.0	2200.5	2230.1	2260.6	2294.2	2318.8	2312.9
5°	1988.4	2027.9	2078.2	2124.5	2190.6	2257.7	2331.7	2407.6	2452.0	2450.0
7.5°	1929.2	1985.5	2046.6	2108.7	2186.7	2283.3	2396.8	2515.1	2575.3	2578.2
10°	1960.8	2021.0	2062.4	2114.7	2196.5	2317.8	2454.0	2596.0	2665.0	2678.8
12.5°	2060.4	2055.5	2052.5	2090.0	2188.6	2342.5	2509.2	2678.8	2756.8	2773.5
15°	2155.1	2053.5	1992.4	2018.0	2153.1	2358.3	2563.4	2769.6	2857.4	2875.1
17.5°	2172.9	2019.0	1905.6	1923.3	2096.9	2363.2	2615.7	2858.3	2953.0	2969.8
20°	2123.5	1974.6	1842.4	1817.8	2025.9	2350.4	2648.3	2932.3	3035.9	3053.6
22.5°	2061.4	1935.2	1795.1	1731.0	1939.1	2337.6	2684.8	3010.2	3129.6	3145.4
25°	1996.3	1884.9	1750.7	1653.1	1840.5	2329.7	2745.9	3112.8	3256.8	3275.6
27.5°	1927.3	1823.7	1712.2	1615.6	1749.7	2339.5	2832.7	3278.5	3442.2	3468.9
30°	1853.3	1762.5	1687.6	1602.8	1687.6	2348.4	2928.4	3448.2	3640.5	3678.0
32.5°	1776.4	1706.3	1661.9	1608.7	1649.1	2327.7	3012.2	3638.5	3877.2	3909.8
35°	1699.4	1649.1	1629.4	1619.5	1597.8	2251.8	3080.3	3830.9	4147.5	4176.1
37.5°	1627.4	1589.9	1584.0	1594.9	1518.9	2127.5	3159.2	4075.5	4412.8	4456.2
40°	1560.4	1525.8	1524.8	1522.9	1432.1	1957.8	3265.7	4324.0	4674.2	4693.9
42.5°	1498.2	1454.8	1462.7	1439.0	1361.1	1774.4	3366.3	4536.1	4917.8	4931.6
45°	1443.0	1385.8	1394.7	1365.1	1327.6	1582.1	3455.1	4786.6	5226.5	5235.4
47.5°	1389.7	1328.6	1303.9	1301.9	1321.7	1404.5	3541.9	5268.9	5709.8	5725.6
50°	1340.4	1274.3	1204.3	1247.7	1285.2	1271.4	3650.4	5785.7	6208.9	6204.9
52.5°	1293.1	1206.3	1106.6	1190.5	1190.5	1172.7	3619.8	6099.4	6621.1	6689.2
55°	1238.8	1096.8	1005.1	1094.8	1051.4	1084.0	3078.3	6202.0	6880.5	6977.2
57.5°	1131.3	961.7	881.8	930.1	865.0	1005.1	2211.3	5693.0	6439.7	6611.3
60°	1027.7	862.0	809.8	800.9	716.1	819.6	1433.1	4457.2	5300.5	5387.3
62.5°	906.4	776.2	731.8	663.8	576.0	596.7	868.0	2933.3	3561.6	3581.3
65°	814.7	703.2	618.4	537.5	471.5	433.0	512.9	1414.4	1780.3	1756.6
67.5°	699.3	602.6	521.8	463.6	409.3	361.0	341.3	420.2	475.4	459.6
70°	622.4	529.7	451.7	396.5	346.2	297.9	263.3	247.6	242.6	238.7
72.5°	536.6	455.7	374.8	321.5	274.2	229.8	198.2	179.5	174.6	170.6
75°	428.1	352.1	278.1	227.8	186.4	154.9	134.1	118.4	115.4	111.5
77.5°	283.1	225.9	165.7	135.1	110.5	93.7	79.9	70.0	68.1	66.1
80°	155.8	130.2	101.6	81.9	66.1	57.2	52.3	46.4	45.4	44.4
82.5°	92.7	77.9	58.2	46.4	38.5	34.5	31.6	28.6	27.6	26.6
85°	46.4	36.5	25.6	21.7	19.7	17.8	17.8	14.8	13.8	13.8
87.5°	11.8	9.9	5.9	4.9	4.9	4.9	3.9	3.0	3.0	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)