

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: P632925

Luminaire Tested: GWS-SA2D-760-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632925  
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-SA2D-760-U-SLL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

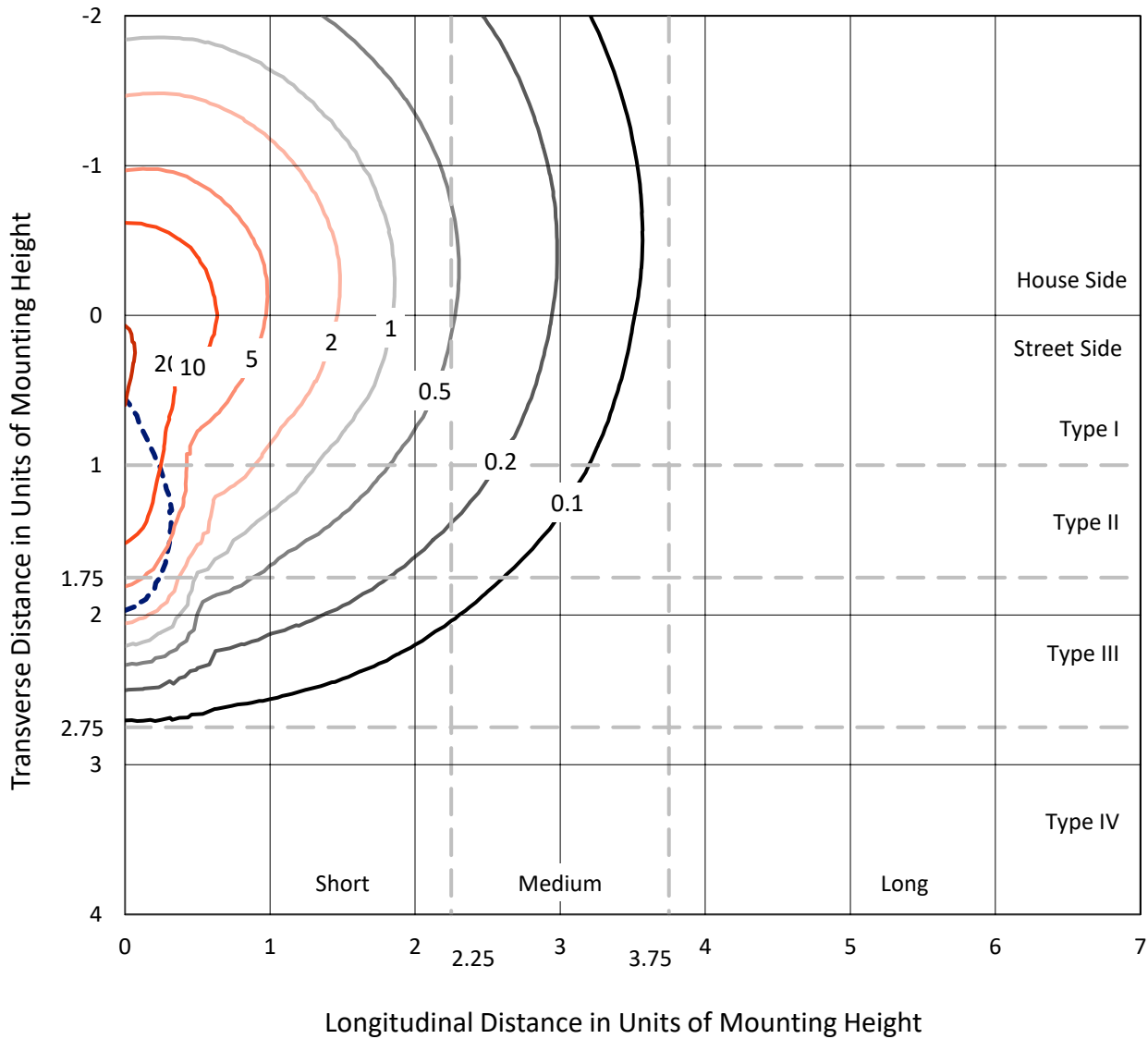
Lumens per Lamp: N/A  
Luminaire Lumens: 9169.3 lumens  
Efficiency: N/A  
Efficacy: 111.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): 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: P632925  
 CATALOG NUMBER: GWS-SA2D-760-U-SLL-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

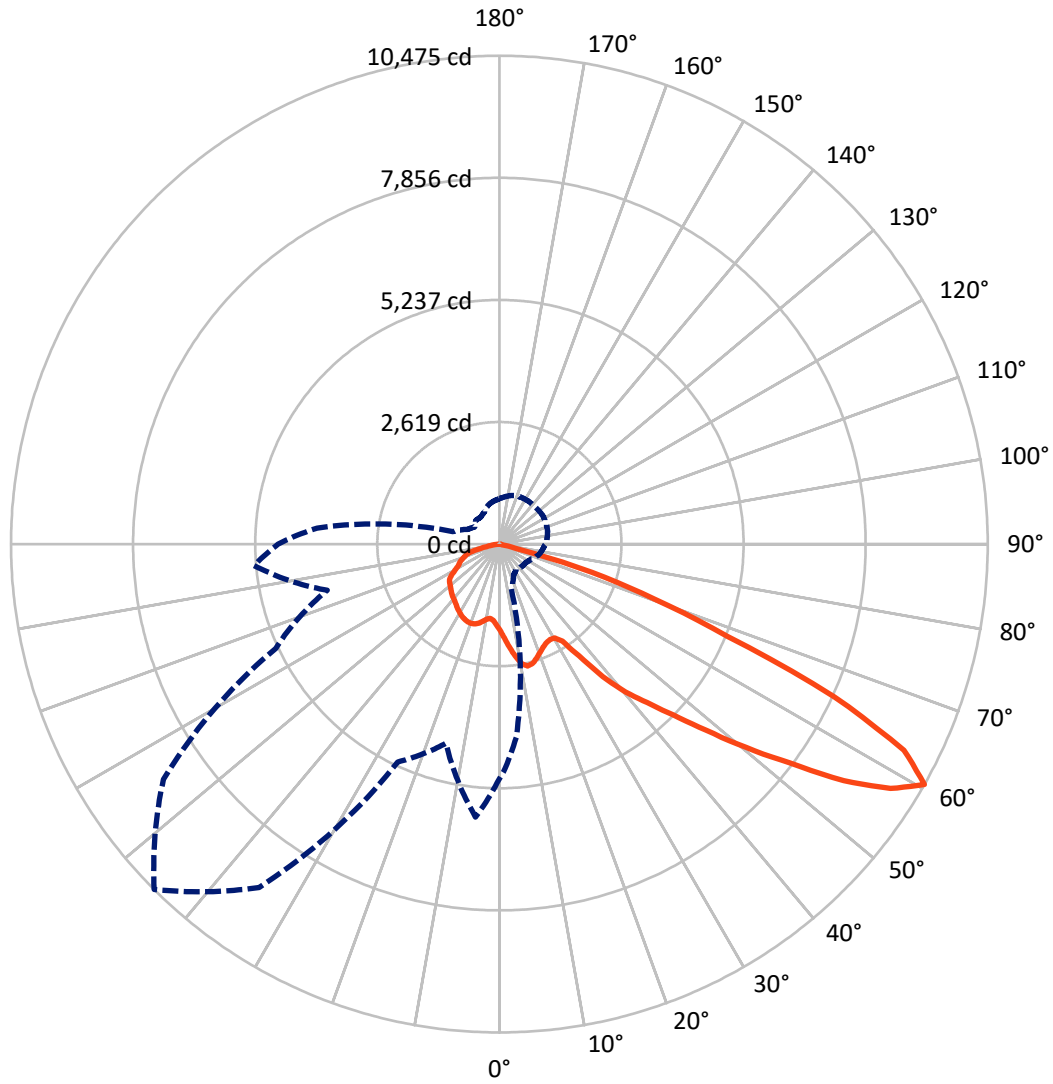
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.3 fc  
 Type III - Short - N/A

REPORT NUMBER: P632925  
CATALOG NUMBER: GWS-SA2D-760-U-SLL-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P632925

CATALOG NUMBER: GWS-SA2D-760-U-SLL-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3136.7	0.0	3136.7
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	6032.6	0.0	6032.6
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	9169.3	0.0	9169.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.7	2.0
10°-20°	579.5	6.3
20°-30°	943.8	10.3
30°-40°	1325.9	14.5
40°-50°	1814.3	19.8
50°-60°	2327.7	25.4
60°-70°	1567.4	17.1
70°-80°	391.8	4.3
80°-90°	38.2	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°	9169.3	100.0
0°-180°	9169.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P632925

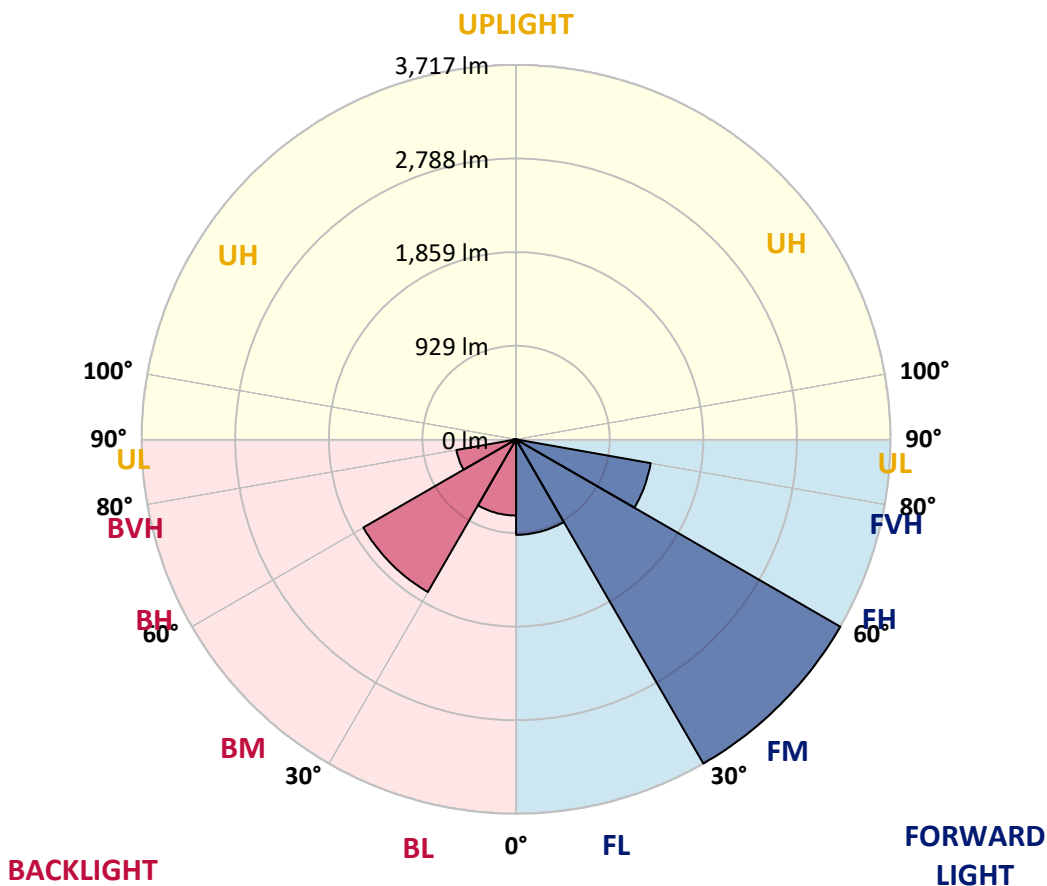
CATALOG NUMBER: GWS-SA2D-760-U-SLL-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	947.9	10.3			
FM (30°-60°)	3717.3	40.5			
FH (60°-80°)	1357.4	14.8			G1/1800
FVH (80°-90°)	9.9	0.1			G0/10
BL (0°-30°)	756.1	8.2	B2/1000		
BM (30°-60°)	1750.5	19.1	B2/2500		
BH (60°-80°)	601.8	6.6	B2/1000		G2/1000
BVH (80°-90°)	28.3	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: P632925

CATALOG NUMBER: GWS-SA2D-760-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4
2.5°	1956.6	1952.4	1948.2	1915.2	1906.8	1883.1	1866.2	1845.1	1814.7	1797.8	1783.5
5°	2079.0	2072.3	2049.5	1981.9	1938.0	1889.9	1850.2	1806.3	1759.8	1729.4	1705.8
7.5°	2194.7	2193.0	2154.2	2042.7	1971.8	1902.6	1848.5	1784.3	1717.6	1672.0	1641.6
10°	2302.0	2289.3	2242.9	2097.6	2004.7	1925.4	1867.1	1796.1	1718.5	1656.8	1616.3
12.5°	2396.6	2380.5	2316.3	2148.3	2033.4	1935.5	1872.2	1813.9	1762.4	1710.9	1664.4
15°	2474.2	2454.8	2389.8	2195.6	2058.8	1929.6	1840.9	1795.3	1813.0	1835.8	1784.3
17.5°	2546.9	2526.6	2447.2	2230.2	2066.4	1893.3	1764.1	1744.6	1834.2	1938.0	1914.4
20°	2607.7	2584.9	2492.8	2247.1	2052.9	1824.0	1664.4	1698.2	1816.4	1940.6	1978.6
22.5°	2673.5	2655.0	2544.3	2271.6	2036.0	1728.6	1580.8	1663.6	1786.0	1895.0	1952.4
25°	2779.1	2756.3	2624.6	2314.6	2027.5	1639.1	1520.9	1629.8	1743.8	1842.6	1887.4
27.5°	2931.9	2889.7	2734.3	2389.8	2036.8	1554.6	1482.9	1588.4	1694.8	1779.3	1815.6
30°	3098.3	3047.6	2855.9	2467.5	2050.3	1503.1	1462.6	1541.1	1619.7	1704.1	1743.8
32.5°	3295.1	3250.3	2986.0	2525.8	2021.6	1479.5	1447.4	1489.6	1552.1	1619.7	1652.6
35°	3529.8	3449.6	3127.9	2573.0	1928.7	1444.9	1433.9	1433.0	1466.0	1531.8	1569.0
37.5°	3782.3	3696.2	3302.7	2623.7	1784.3	1390.0	1401.8	1366.3	1396.7	1449.1	1491.3
40°	3989.2	3898.8	3479.1	2693.0	1603.6	1303.8	1330.9	1292.9	1311.4	1365.5	1412.8
42.5°	4191.9	4095.6	3643.8	2771.5	1428.8	1219.4	1232.9	1218.5	1224.5	1281.0	1346.9
45°	4457.9	4349.8	3846.5	2827.2	1271.7	1152.7	1140.0	1115.5	1146.8	1220.2	1290.3
47.5°	4902.0	4772.8	4178.3	2863.5	1157.7	1114.7	1056.4	1042.1	1080.9	1162.8	1235.4
50°	5421.4	5309.9	4708.7	2861.8	1072.5	1082.6	975.3	962.7	1026.9	1109.6	1186.5
52.5°	5847.0	5733.8	5162.1	2777.4	1002.4	1014.2	928.1	892.6	980.4	1057.3	1134.1
55°	6190.7	6063.2	5370.7	2424.4	913.7	905.3	876.5	811.5	922.1	1004.9	1076.7
57.5°	6005.7	5853.7	5118.2	1843.4	822.5	769.3	787.9	739.7	842.8	946.6	1015.9
60°	5035.5	4898.7	4158.1	981.3	723.7	642.6	681.5	689.1	755.8	876.5	947.5
62.5°	3458.9	3359.2	2817.9	595.3	570.8	516.0	576.8	631.7	681.5	783.7	845.3
65°	1692.3	1662.7	1409.4	381.7	399.4	417.2	478.0	544.7	618.1	707.7	772.7
67.5°	466.1	469.5	427.3	298.1	315.0	364.0	412.1	465.3	538.8	621.5	687.4
70°	205.2	208.6	215.3	229.7	261.8	306.5	356.4	411.2	478.8	548.0	611.4
72.5°	142.7	146.1	156.2	174.8	203.5	245.7	293.0	345.4	415.5	473.7	526.1
75°	87.8	90.4	99.6	115.7	135.1	167.2	213.6	261.8	323.4	376.6	423.1
77.5°	46.4	44.8	50.7	61.6	78.5	95.4	126.7	157.1	201.0	244.0	282.9
80°	25.3	24.5	27.9	33.8	38.8	52.4	73.5	93.7	119.1	143.6	164.7
82.5°	11.0	10.1	11.0	14.4	17.7	25.3	37.2	51.5	65.9	82.8	96.3
85°	0.0	0.0	0.0	0.8	4.2	6.8	12.7	18.6	27.0	37.2	45.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	7.6
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: P632925

CATALOG NUMBER: GWS-SA2D-760-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4
2.5°	1775.0	1753.9	1752.2	1735.3	1737.0	1737.9	1721.0	1714.2	1720.1	1726.9	1723.5
5°	1697.3	1675.4	1666.1	1650.1	1648.4	1640.8	1634.0	1625.6	1631.5	1637.4	1640.8
7.5°	1629.8	1615.4	1609.5	1605.3	1607.0	1603.6	1590.1	1582.5	1581.7	1584.2	1587.6
10°	1607.8	1596.0	1603.6	1615.4	1623.9	1629.8	1615.4	1602.8	1590.9	1585.9	1585.9
12.5°	1655.1	1639.9	1655.1	1667.8	1684.7	1688.9	1672.9	1659.3	1655.1	1660.2	1670.3
15°	1759.8	1724.4	1723.5	1731.1	1744.6	1751.4	1736.2	1729.4	1729.4	1761.5	1786.9
17.5°	1864.6	1806.3	1781.8	1777.6	1786.0	1788.5	1775.9	1770.0	1785.2	1847.7	1895.0
20°	1938.0	1867.1	1813.9	1803.7	1806.3	1807.1	1797.0	1792.8	1814.7	1890.7	1930.4
22.5°	1930.4	1878.1	1813.0	1800.4	1804.6	1802.9	1793.6	1791.9	1809.7	1875.5	1894.1
25°	1878.1	1837.5	1782.6	1774.2	1780.9	1780.1	1770.8	1766.6	1774.2	1818.1	1819.8
27.5°	1818.1	1782.6	1735.3	1732.8	1743.8	1749.7	1733.7	1721.0	1718.5	1748.0	1741.3
30°	1746.3	1720.1	1682.1	1683.8	1704.1	1707.5	1688.1	1669.5	1664.4	1680.5	1671.2
32.5°	1661.0	1652.6	1632.3	1636.5	1656.0	1662.7	1642.5	1623.0	1617.1	1622.2	1602.8
35°	1588.4	1585.0	1586.7	1594.3	1611.2	1616.3	1599.4	1584.2	1575.7	1558.0	1532.7
37.5°	1513.3	1522.5	1547.0	1561.4	1570.7	1569.0	1559.7	1548.7	1535.2	1502.3	1471.0
40°	1443.2	1466.8	1510.7	1526.8	1530.1	1531.0	1524.2	1514.9	1498.1	1454.1	1418.7
42.5°	1389.1	1415.3	1473.6	1498.1	1499.7	1501.4	1494.7	1487.1	1463.4	1405.2	1370.5
45°	1332.5	1367.2	1435.6	1465.1	1463.4	1462.6	1456.7	1453.3	1425.4	1357.9	1319.9
47.5°	1284.4	1324.9	1398.4	1423.7	1422.9	1422.1	1417.8	1417.8	1390.0	1316.5	1273.4
50°	1237.1	1283.6	1360.4	1381.5	1383.2	1381.5	1379.8	1382.4	1349.4	1270.9	1228.7
52.5°	1185.6	1238.0	1318.2	1337.6	1347.7	1352.0	1352.0	1346.1	1307.2	1225.3	1178.9
55°	1129.0	1178.9	1271.7	1297.9	1306.4	1314.0	1314.0	1302.1	1265.8	1183.1	1133.3
57.5°	1058.9	1102.9	1176.3	1202.5	1222.8	1227.8	1227.8	1208.4	1178.9	1099.5	1058.9
60°	982.9	1020.9	1070.8	1098.6	1113.8	1103.7	1111.3	1106.2	1082.6	1009.1	975.3
62.5°	881.6	920.5	975.3	1004.1	1010.8	1000.7	1010.8	1010.0	977.9	912.0	871.5
65°	809.0	847.0	901.0	938.2	949.2	946.6	953.4	943.3	903.6	841.1	802.2
67.5°	722.9	763.4	825.9	867.3	890.1	892.6	901.9	880.8	840.2	771.8	722.9
70°	640.9	675.6	723.7	762.5	794.6	810.7	812.4	782.0	731.3	674.7	639.3
72.5°	554.8	590.3	648.5	690.8	731.3	749.9	749.9	712.7	657.8	595.3	557.3
75°	450.1	483.0	536.2	581.8	628.3	651.9	651.1	619.0	558.2	499.1	459.4
77.5°	304.8	329.3	363.1	397.7	404.5	423.1	432.4	391.8	358.0	326.0	290.5
80°	177.3	192.5	211.1	230.5	234.8	240.7	225.5	210.3	192.5	171.4	155.4
82.5°	103.9	114.0	123.3	138.5	141.0	142.7	129.2	122.4	108.1	95.4	85.3
85°	50.7	54.0	62.5	70.1	66.7	65.0	59.1	52.4	46.4	41.4	36.3
87.5°	10.1	10.1	15.2	14.4	11.8	10.1	5.9	7.6	1.7	1.7	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: P632925

CATALOG NUMBER: GWS-SA2D-760-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4
2.5°	1734.5	1748.9	1766.6	1790.2	1817.3	1846.0	1873.8	1895.0	1916.1	1947.3	1942.2
5°	1645.8	1670.3	1698.2	1734.5	1778.4	1828.2	1884.0	1939.7	1999.7	2050.3	2072.3
7.5°	1594.3	1621.3	1654.3	1701.6	1758.1	1819.0	1897.5	1987.8	2085.0	2151.7	2193.0
10°	1594.3	1628.9	1672.0	1717.6	1767.4	1829.9	1927.0	2040.2	2165.2	2253.0	2301.1
12.5°	1686.4	1721.0	1730.3	1728.6	1756.5	1825.7	1950.7	2095.1	2244.6	2337.4	2396.6
15°	1829.9	1841.8	1771.7	1707.5	1711.7	1795.3	1961.7	2139.0	2313.0	2424.4	2488.6
17.5°	1926.2	1895.0	1770.0	1657.7	1634.0	1743.8	1961.7	2181.2	2385.6	2511.4	2571.4
20°	1933.8	1856.1	1726.9	1609.5	1548.7	1675.4	1948.2	2213.3	2455.7	2595.0	2659.2
22.5°	1867.1	1790.2	1681.3	1568.1	1478.6	1592.6	1926.2	2237.8	2515.6	2673.5	2752.9
25°	1791.1	1726.9	1634.9	1525.9	1430.5	1509.0	1905.9	2279.2	2599.2	2779.9	2860.2
27.5°	1716.8	1662.7	1579.1	1490.5	1403.5	1436.4	1893.3	2340.0	2698.9	2931.1	3000.3
30°	1644.1	1595.2	1519.2	1456.7	1389.1	1389.1	1882.3	2410.1	2830.6	3100.8	3170.1
32.5°	1570.7	1524.2	1462.6	1423.7	1380.7	1370.5	1851.9	2475.9	2966.6	3286.6	3357.5
35°	1502.3	1455.8	1408.5	1392.5	1376.5	1356.2	1776.7	2527.4	3099.1	3503.6	3564.4
37.5°	1438.1	1393.3	1357.9	1353.7	1355.3	1317.3	1658.5	2570.5	3264.7	3725.7	3757.8
40°	1382.4	1332.5	1304.7	1303.8	1312.3	1254.9	1509.0	2632.2	3453.8	3914.0	3900.5
42.5°	1332.5	1280.2	1246.4	1254.0	1248.9	1192.4	1362.9	2688.7	3618.5	4090.5	4063.5
45°	1283.6	1232.9	1185.6	1196.6	1190.7	1153.5	1238.8	2730.1	3800.9	4302.5	4305.9
47.5°	1236.3	1186.5	1139.2	1125.7	1124.8	1141.7	1143.4	2743.6	4098.1	4643.6	4566.8
50°	1192.4	1142.5	1093.6	1048.0	1065.7	1118.1	1072.5	2733.5	4543.2	5020.3	4805.8
52.5°	1146.8	1099.5	1045.4	963.5	1010.0	1061.5	1009.1	2697.2	4815.1	5353.0	5224.6
55°	1094.4	1049.7	976.2	876.5	933.1	944.1	944.1	2345.9	4930.8	5682.3	5761.7
57.5°	1024.3	965.2	848.7	768.5	819.1	776.9	874.9	1641.6	4739.9	5578.5	5886.7
60°	944.9	881.6	758.3	700.9	716.1	641.8	745.7	1029.4	3928.4	4746.7	5280.4
62.5°	840.2	782.0	679.8	635.0	603.8	523.6	600.4	651.1	2693.0	3524.7	3888.7
65°	770.1	706.0	614.8	555.6	491.5	421.4	398.6	427.3	1448.2	1972.6	2218.4
67.5°	687.4	624.1	537.9	463.6	412.1	361.4	321.7	311.6	496.5	657.0	711.0
70°	608.9	548.0	476.3	407.0	355.5	305.7	266.8	239.0	229.7	228.0	224.6
72.5°	528.6	472.0	412.1	347.9	291.3	245.7	211.1	179.0	165.5	161.3	157.1
75°	433.2	388.4	328.5	259.2	213.6	171.4	144.4	123.3	111.5	107.2	102.2
77.5°	278.7	258.4	206.0	167.2	129.2	102.2	87.8	74.3	66.7	65.0	60.8
80°	148.6	138.5	114.0	96.3	76.8	62.5	54.9	47.3	43.1	41.4	39.7
82.5°	82.8	75.2	63.3	55.7	44.8	38.0	33.8	30.4	27.9	27.0	26.2
85°	37.2	32.1	25.3	23.6	21.1	19.4	18.6	16.9	16.0	15.2	14.4
87.5°	1.7	3.4	4.2	3.4	3.4	5.1	5.9	5.9	5.1	5.1	4.2
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: P632925

CATALOG NUMBER: GWS-SA2D-760-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4	1849.4
2.5°	1973.5	1998.8	2001.4	2009.8	1998.8	1996.3	1978.6	1968.4	1959.1	1956.6
5°	2127.2	2177.8	2198.1	2212.5	2199.0	2192.2	2153.4	2112.8	2090.0	2079.0
7.5°	2285.1	2361.1	2400.8	2418.5	2420.2	2389.8	2323.1	2247.1	2209.1	2194.7
10°	2426.1	2519.8	2572.2	2606.0	2594.2	2557.0	2465.8	2362.8	2314.6	2302.0
12.5°	2530.8	2620.3	2660.9	2682.8	2682.0	2661.7	2575.6	2464.1	2409.2	2396.6
15°	2598.4	2651.6	2654.1	2659.2	2673.5	2700.6	2655.8	2552.8	2492.0	2474.2
17.5°	2651.6	2630.5	2590.8	2577.3	2609.4	2684.5	2711.5	2627.9	2562.1	2546.9
20°	2685.4	2579.0	2508.9	2482.7	2519.8	2642.3	2745.3	2695.5	2627.1	2607.7
22.5°	2711.5	2530.8	2417.7	2399.9	2438.8	2596.7	2779.9	2775.7	2700.6	2673.5
25°	2752.9	2498.7	2353.5	2340.8	2377.1	2574.7	2826.4	2884.6	2817.9	2779.1
27.5°	2817.9	2495.4	2320.6	2316.3	2366.2	2594.2	2893.1	3044.3	2960.6	2931.9
30°	2908.3	2527.4	2328.2	2336.6	2397.4	2664.2	2997.0	3226.7	3143.1	3098.3
32.5°	3038.3	2613.6	2443.8	2480.2	2524.9	2776.6	3149.0	3424.3	3360.9	3295.1
35°	3209.8	2850.0	2785.8	2940.4	2898.2	3022.3	3332.2	3664.1	3587.2	3529.8
37.5°	3438.6	3334.7	3393.9	3606.7	3504.5	3486.7	3556.0	3881.9	3839.7	3782.3
40°	3759.5	3780.6	3889.5	4169.1	4021.3	3907.3	3830.4	4045.8	4060.1	3989.2
42.5°	3972.3	4069.4	4332.0	4649.6	4446.0	4173.3	4060.1	4255.2	4256.0	4191.9
45°	4051.7	4305.9	4854.8	5220.4	4880.1	4325.3	4186.8	4539.8	4531.3	4457.9
47.5°	4023.0	4505.2	5397.7	5956.8	5437.4	4433.4	4169.1	4945.1	5013.5	4902.0
50°	3963.0	4705.3	6031.9	6858.6	6121.4	4548.2	4142.0	5394.4	5507.5	5421.4
52.5°	4023.8	4928.2	6781.8	7790.9	6979.4	4731.5	4324.4	5971.1	5950.9	5847.0
55°	4216.3	5191.7	7693.0	8962.2	7921.8	5041.4	4793.1	6520.9	6314.8	6190.7
57.5°	4207.1	5380.0	8491.8	9888.5	8741.8	5295.6	4956.1	6579.1	6162.8	6005.7
60°	3818.6	5293.9	8795.8	10474.6	8989.2	5155.4	4419.9	5876.5	5200.1	5035.5
62.5°	2850.0	4697.7	8206.4	9740.8	8289.1	4452.8	3323.8	4218.0	3736.7	3458.9
65°	1823.2	3675.1	6899.2	7891.4	6832.5	3405.7	1979.4	2261.4	1771.7	1692.3
67.5°	776.1	2594.2	5363.1	5274.4	5111.5	2206.6	764.2	636.7	474.6	466.1
70°	256.7	1764.9	3306.0	3518.0	3052.7	1520.0	252.5	213.6	212.8	205.2
72.5°	168.0	947.5	1861.2	2072.3	1964.2	874.9	152.8	142.7	146.1	142.7
75°	100.5	206.0	313.3	407.0	313.3	146.9	92.0	90.4	92.0	87.8
77.5°	59.1	57.4	55.7	55.7	54.9	50.7	46.4	44.8	45.6	46.4
80°	38.0	36.3	34.6	33.8	29.6	27.9	26.2	24.5	24.5	25.3
82.5°	24.5	22.8	21.1	18.6	15.2	12.7	11.8	10.1	10.1	11.0
85°	12.7	10.1	7.6	5.9	3.4	1.7	0.0	0.0	0.0	0.0
87.5°	2.5	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)