

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: P632929

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632929
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-SA2D-760-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT 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: 9216.6 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

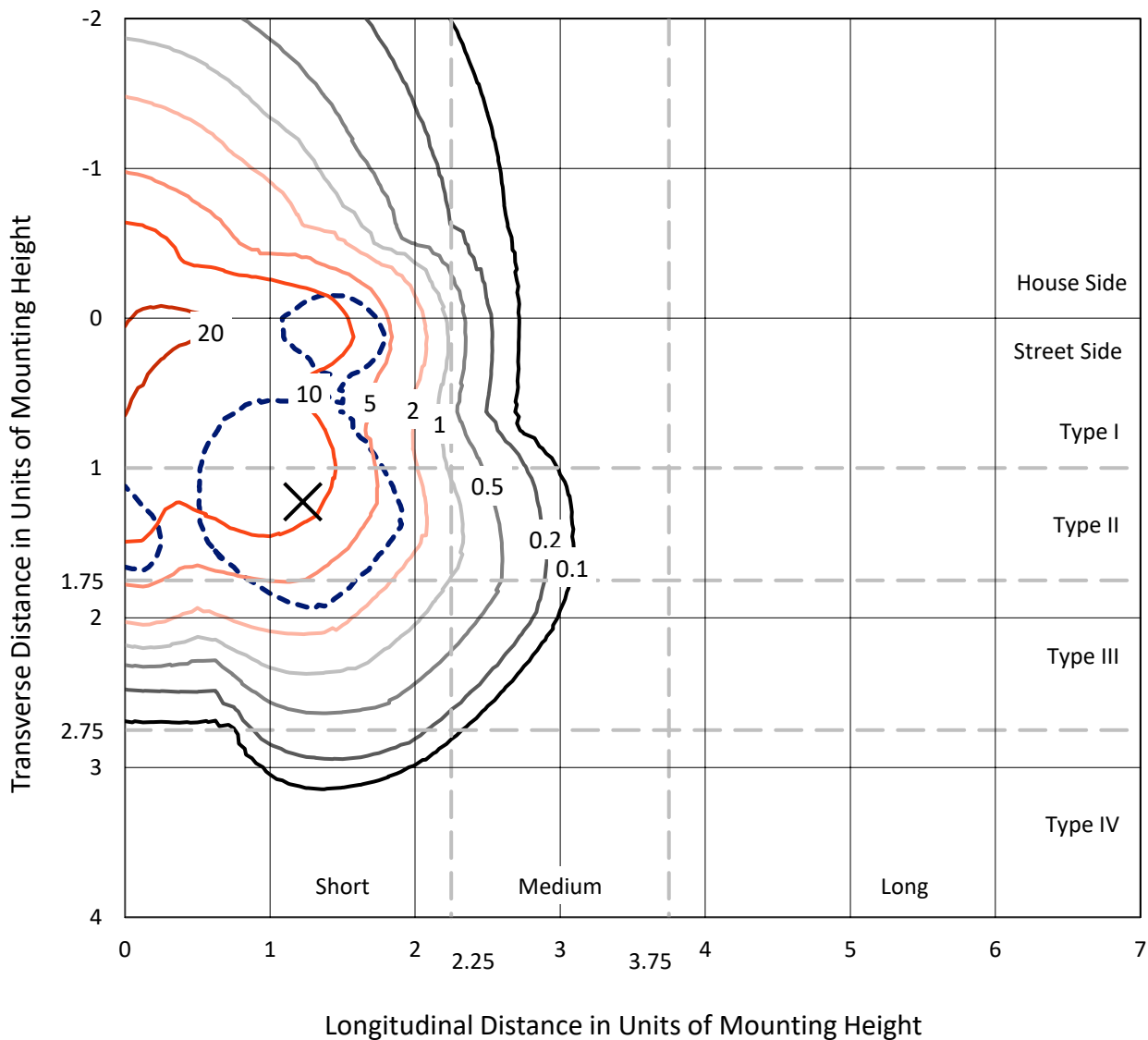
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

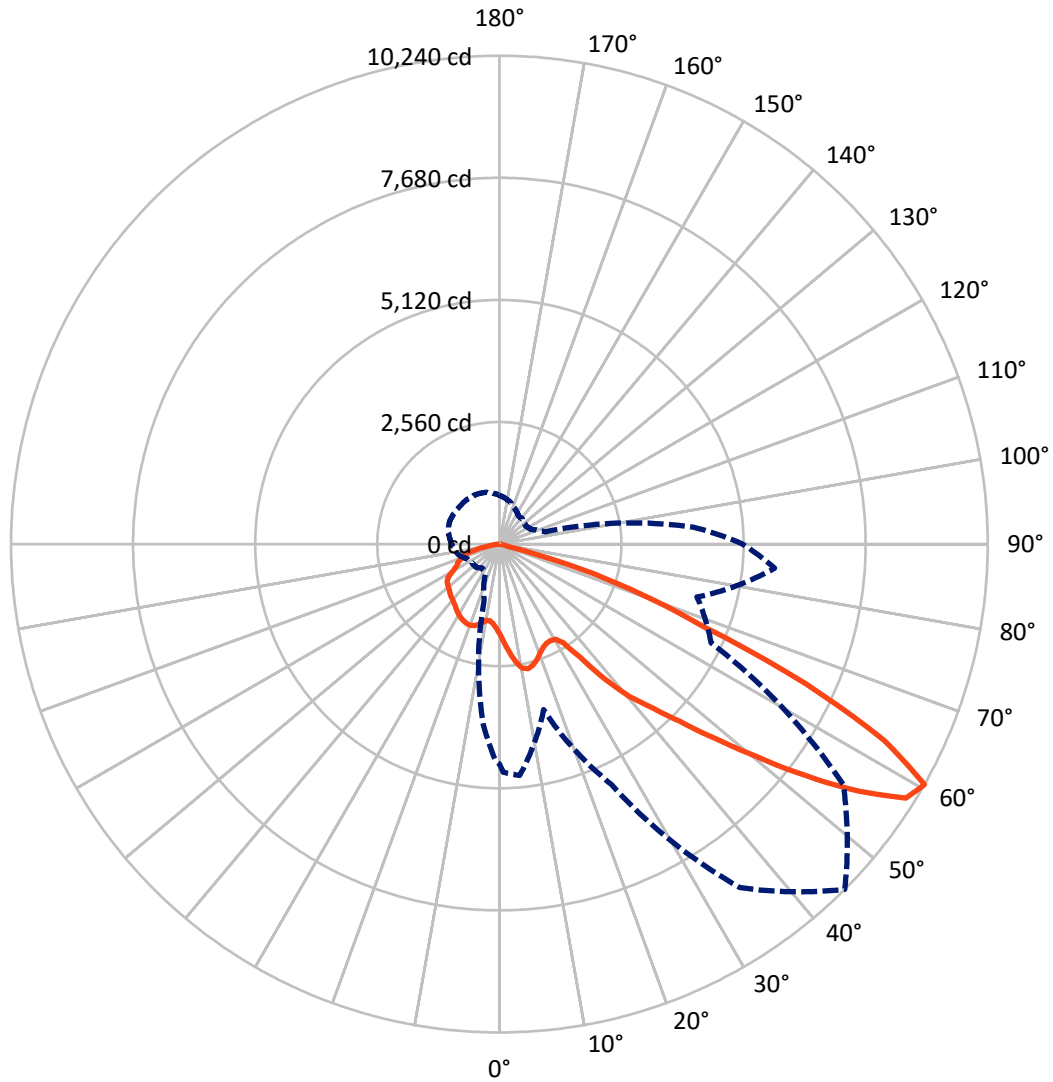
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3230.8	0.0	3230.8
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	5985.9	0.0	5985.9
	% Fixture	64.9	0.0	64.9
Total	Lumens	9216.6	0.0	9216.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.7	2.0
10°-20°	583.7	6.3
20°-30°	948.2	10.3
30°-40°	1337.3	14.5
40°-50°	1848.1	20.1
50°-60°	2379.0	25.8
60°-70°	1507.4	16.4
70°-80°	386.8	4.2
80°-90°	41.4	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°	9216.6	100.0
0°-180°	9216.6	100.0

Coefficient of Utilization



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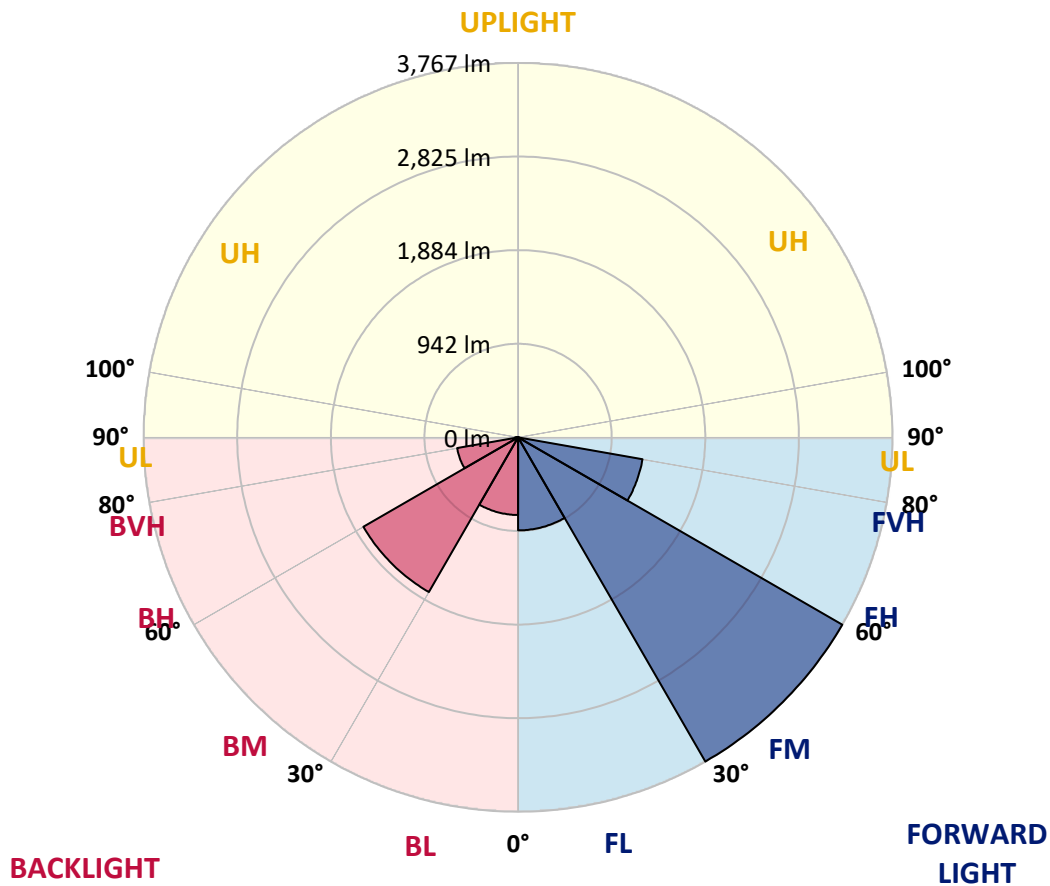
CATALOG NUMBER: GWS-SA2D-760-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	935.8	10.2			
FM (30°-60°)	3767.2	40.9			
FH (60°-80°)	1271.6	13.8			G1/1800
FVH (80°-90°)	11.2	0.1			G1/100
BL (0°-30°)	780.9	8.5	B2/1000		
BM (30°-60°)	1797.2	19.5	B2/2500		
BH (60°-80°)	622.6	6.8	B2/1000		G2/1000
BVH (80°-90°)	30.1	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°	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4
2.5°	1980.3	1993.9	2002.3	2018.3	2047.1	2063.1	2080.8	2061.4	2066.5	2063.9	2032.7
5°	2097.7	2113.8	2135.7	2183.0	2236.2	2265.8	2293.7	2289.4	2263.2	2219.3	2188.1
7.5°	2207.5	2226.1	2264.1	2340.9	2419.5	2465.1	2498.9	2476.9	2454.9	2385.7	2307.2
10°	2293.7	2304.6	2356.1	2459.2	2550.4	2601.9	2643.3	2638.2	2607.8	2530.1	2424.5
12.5°	2374.7	2382.3	2438.1	2541.1	2623.0	2645.8	2679.6	2690.6	2680.4	2622.2	2518.3
15°	2461.7	2476.1	2527.6	2606.1	2643.3	2619.6	2631.4	2661.9	2690.6	2690.6	2595.1
17.5°	2542.8	2555.4	2607.8	2641.6	2606.1	2543.6	2547.0	2585.8	2654.3	2726.0	2665.2
20°	2614.6	2626.4	2677.9	2645.8	2533.5	2442.3	2439.7	2487.0	2597.7	2748.8	2740.4
22.5°	2693.1	2710.0	2753.1	2649.2	2465.9	2350.2	2349.4	2398.4	2547.8	2771.6	2826.5
25°	2804.6	2830.8	2852.7	2678.7	2429.6	2290.3	2301.3	2347.7	2531.8	2808.8	2954.0
27.5°	2970.1	2991.2	2989.5	2740.4	2427.9	2265.8	2288.6	2342.6	2560.5	2874.7	3088.3
30°	3149.1	3160.1	3142.4	2826.5	2466.8	2281.0	2314.8	2378.9	2633.1	2983.6	3285.9
32.5°	3347.6	3361.1	3327.3	2955.7	2557.1	2393.3	2467.6	2498.9	2735.3	3140.7	3495.4
35°	3575.6	3601.8	3531.7	3126.3	2823.1	2802.9	2911.0	2870.4	2952.4	3326.5	3719.2
37.5°	3815.4	3816.3	3715.8	3378.8	3345.0	3379.7	3595.9	3469.2	3412.6	3533.4	3947.2
40°	4019.0	4013.9	3859.3	3719.2	3799.4	3937.0	4198.0	4003.8	3855.1	3811.2	4136.3
42.5°	4222.5	4203.9	4047.7	3935.4	4112.7	4395.6	4690.3	4452.2	4138.9	4063.7	4323.0
45°	4482.6	4476.7	4288.4	4021.5	4395.6	4909.1	5300.1	4914.1	4306.9	4210.7	4633.7
47.5°	4902.3	4873.6	4523.1	4014.7	4660.8	5593.1	6087.1	5496.0	4424.3	4214.0	5135.4
50°	5312.7	5277.3	4803.5	4013.9	4934.4	6302.5	7016.1	6202.8	4544.2	4234.3	5645.5
52.5°	5727.4	5727.4	5263.7	4109.3	5221.5	7094.6	8089.4	7083.6	4748.6	4499.5	6272.9
55°	5974.0	6039.8	5781.4	4270.6	5557.6	8026.9	9151.0	8034.5	5064.4	4978.3	6852.2
57.5°	5660.7	5784.0	5746.8	4158.3	5756.1	8711.8	10051.2	8755.7	5220.7	5034.9	6765.3
60°	4612.6	4784.1	4869.4	3590.8	5560.2	8791.2	10239.5	8803.0	4898.1	4287.5	5794.9
62.5°	3066.4	3207.4	3337.4	2565.6	4813.6	7908.7	9056.4	7911.2	4090.7	3199.8	4014.7
65°	1504.0	1608.8	1749.0	1516.7	3760.5	6608.2	7060.8	6392.8	2959.1	1791.2	2047.9
67.5°	393.5	423.1	442.5	588.6	2693.9	4747.8	4605.0	4676.0	1901.0	585.2	535.4
70°	204.4	206.1	205.2	243.2	1820.7	3017.4	3173.6	2936.3	1326.7	244.9	211.1
72.5°	146.1	146.9	144.4	163.8	879.1	1728.7	1791.2	1771.8	695.0	145.3	144.4
75°	95.4	96.3	94.6	96.3	132.6	196.8	181.6	190.9	115.7	92.1	92.1
77.5°	56.6	57.4	56.6	58.3	56.6	56.6	52.4	52.4	49.8	49.8	50.7
80°	38.0	38.0	37.2	38.8	35.5	35.5	33.8	32.9	30.4	29.6	29.6
82.5°	22.8	23.6	22.8	22.8	21.1	21.1	19.4	18.6	16.0	16.0	15.2
85°	11.8	11.8	11.0	11.0	9.3	8.4	6.8	6.8	5.1	4.2	4.2
87.5°	1.7	1.7	0.8	0.8	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4
2.5°	2024.3	2007.4	1982.0	1957.5	1934.7	1911.1	1884.1	1856.2	1832.6	1808.1	1795.4
5°	2146.7	2112.1	2046.2	1987.9	1935.6	1892.5	1846.1	1806.4	1769.2	1738.8	1723.6
7.5°	2257.3	2203.3	2103.6	2011.6	1940.7	1881.5	1817.4	1758.2	1708.4	1671.3	1656.9
10°	2359.5	2295.3	2164.4	2047.9	1965.1	1899.3	1820.7	1740.5	1674.6	1625.7	1613.8
12.5°	2442.3	2368.8	2212.6	2077.5	1979.5	1908.6	1839.3	1770.1	1705.0	1641.7	1631.6
15°	2515.8	2428.8	2248.9	2096.0	1974.4	1884.1	1825.8	1817.4	1817.4	1745.6	1725.3
17.5°	2579.1	2483.7	2278.4	2104.5	1942.3	1811.4	1776.0	1849.4	1932.2	1880.7	1835.1
20°	2651.7	2536.0	2302.9	2104.5	1883.2	1719.4	1716.0	1841.0	1963.5	1964.3	1916.2
22.5°	2725.2	2596.8	2331.7	2096.9	1802.2	1613.0	1675.5	1807.2	1916.2	1962.6	1929.7
25°	2844.3	2681.3	2377.3	2091.0	1707.6	1540.4	1639.2	1762.5	1854.5	1903.5	1882.4
27.5°	2995.4	2792.7	2446.5	2100.3	1613.8	1497.3	1600.3	1704.2	1787.8	1830.9	1815.7
30°	3164.3	2921.1	2520.8	2116.3	1546.3	1475.3	1553.9	1637.5	1711.8	1754.9	1748.1
32.5°	3379.7	3060.5	2585.0	2094.3	1508.3	1464.4	1504.9	1564.9	1636.6	1663.7	1669.6
35°	3637.2	3214.2	2634.0	2008.2	1473.6	1452.5	1451.7	1488.8	1539.5	1582.6	1586.8
37.5°	3874.5	3394.0	2688.0	1860.4	1411.2	1423.0	1389.2	1411.2	1461.0	1504.0	1520.9
40°	4109.3	3576.4	2763.2	1672.1	1329.2	1357.1	1317.4	1332.6	1372.3	1428.9	1455.9
42.5°	4337.3	3741.1	2842.6	1479.6	1247.3	1265.1	1235.5	1250.7	1292.1	1363.0	1393.4
45°	4585.6	3964.1	2904.2	1298.0	1176.4	1168.8	1145.1	1167.1	1229.6	1307.3	1343.6
47.5°	5055.2	4315.4	2944.8	1177.2	1138.4	1083.5	1056.5	1103.8	1174.7	1253.2	1297.1
50°	5628.6	4823.8	2932.9	1100.4	1105.4	995.7	986.4	1048.9	1124.9	1206.8	1254.9
52.5°	6082.9	5322.9	2798.7	1026.9	1041.3	939.9	912.9	1004.1	1076.7	1160.3	1210.2
55°	6430.0	5490.9	2386.5	939.9	936.5	899.4	842.8	957.7	1028.6	1106.3	1160.3
57.5°	6147.1	5116.8	1769.2	820.0	799.7	819.2	764.3	879.1	969.5	1046.3	1094.5
60°	5101.6	4079.8	985.5	726.3	668.8	716.1	707.7	796.4	905.3	986.4	1027.8
62.5°	3463.3	2716.7	584.4	574.3	542.2	609.7	654.5	712.8	820.0	885.9	924.7
65°	1726.1	1319.9	388.5	429.8	434.1	501.6	586.1	650.3	739.8	807.3	846.2
67.5°	500.8	410.4	295.6	328.5	374.1	428.2	495.7	571.7	658.7	738.9	784.5
70°	216.2	218.7	234.8	273.6	318.4	374.1	441.7	516.0	589.5	651.1	685.7
72.5°	152.9	158.8	176.5	216.2	258.4	311.6	379.2	451.0	504.2	566.7	603.0
75°	98.0	102.2	116.5	146.9	178.2	229.7	293.9	359.8	414.6	459.4	494.0
77.5°	54.0	54.9	66.7	84.4	105.6	138.5	185.8	237.3	277.8	303.2	334.4
80°	31.2	31.2	37.2	48.1	60.8	81.1	107.3	132.6	157.1	173.1	188.3
82.5°	16.9	16.9	19.4	26.2	32.9	44.8	60.0	72.6	87.8	96.3	106.4
85°	5.1	5.1	6.8	9.3	11.8	16.9	23.6	30.4	37.2	43.1	49.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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°	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4
2.5°	1792.9	1781.0	1774.3	1765.8	1768.4	1760.8	1756.6	1759.1	1743.9	1759.1	1774.3
5°	1717.7	1700.8	1687.3	1676.3	1671.3	1661.1	1655.2	1655.2	1645.9	1661.1	1679.7
7.5°	1651.8	1638.3	1631.6	1624.8	1617.2	1607.9	1597.8	1594.4	1588.5	1604.5	1620.6
10°	1607.9	1609.6	1613.8	1623.1	1621.4	1615.5	1600.3	1591.9	1591.9	1610.5	1634.9
12.5°	1628.2	1645.9	1656.1	1672.9	1676.3	1671.3	1656.1	1649.3	1666.2	1694.1	1734.6
15°	1706.7	1718.5	1727.0	1740.5	1739.7	1735.4	1723.6	1728.7	1784.4	1838.5	1874.8
17.5°	1792.0	1778.5	1776.8	1785.3	1787.8	1782.7	1776.0	1798.8	1890.8	1941.5	1960.1
20°	1853.7	1807.2	1797.1	1800.5	1807.2	1804.7	1804.7	1841.8	1937.3	1960.9	1937.3
22.5°	1872.2	1806.4	1791.2	1792.0	1801.3	1802.2	1806.4	1845.2	1901.0	1901.8	1865.5
25°	1842.7	1779.4	1768.4	1770.1	1781.0	1780.2	1781.9	1803.8	1828.3	1818.2	1791.2
27.5°	1787.0	1732.1	1728.7	1738.0	1752.3	1744.7	1739.7	1745.6	1757.4	1744.7	1721.1
30°	1723.6	1677.2	1678.9	1696.6	1711.8	1699.1	1686.5	1689.8	1690.7	1677.2	1650.1
32.5°	1656.9	1622.3	1628.2	1646.8	1664.5	1651.0	1637.5	1635.8	1619.7	1603.7	1577.5
35°	1590.2	1576.7	1584.3	1599.5	1614.7	1603.7	1595.3	1590.2	1555.6	1531.9	1510.0
37.5°	1529.4	1539.5	1553.0	1562.3	1567.4	1566.5	1561.5	1549.6	1504.0	1476.2	1447.5
40°	1475.3	1506.6	1520.9	1525.2	1532.8	1531.1	1530.2	1513.3	1453.4	1423.8	1390.9
42.5°	1426.4	1470.3	1494.8	1499.0	1503.2	1504.0	1501.5	1477.0	1408.6	1374.0	1342.7
45°	1379.1	1436.5	1467.7	1463.5	1469.4	1469.4	1472.0	1439.9	1364.7	1329.2	1296.3
47.5°	1337.7	1405.2	1434.0	1428.9	1432.3	1434.8	1437.3	1400.2	1316.6	1282.8	1249.0
50°	1299.7	1371.5	1396.0	1397.6	1397.6	1403.6	1402.7	1366.4	1276.0	1239.7	1205.9
52.5°	1259.1	1336.8	1363.0	1374.0	1377.4	1379.9	1368.1	1325.9	1234.7	1190.7	1159.5
55°	1211.9	1301.4	1325.0	1339.4	1346.1	1344.4	1328.4	1285.3	1192.4	1148.5	1113.0
57.5°	1140.1	1225.4	1259.1	1265.9	1276.9	1270.1	1251.5	1215.2	1124.9	1081.0	1044.6
60°	1061.5	1123.2	1150.2	1156.1	1147.7	1150.2	1147.7	1113.0	1034.5	999.9	962.7
62.5°	958.5	1013.4	1042.1	1049.7	1035.4	1044.6	1041.3	998.2	919.7	883.3	850.4
65°	880.8	940.8	974.5	978.8	974.5	978.8	966.9	914.6	840.3	803.1	769.3
67.5°	820.0	881.7	917.1	928.9	924.7	923.9	905.3	844.5	767.6	727.1	684.0
70°	715.3	769.3	814.9	843.7	843.7	827.6	792.1	735.6	673.9	639.3	605.5
72.5°	633.4	701.8	746.5	776.1	782.0	772.7	722.9	662.9	592.0	557.4	521.9
75°	521.9	588.6	636.7	675.6	683.2	673.1	615.6	556.5	490.7	456.9	421.4
77.5°	348.8	388.5	427.3	462.8	455.2	461.9	423.1	378.3	337.8	312.5	296.4
80°	196.8	222.9	234.8	254.2	254.2	254.2	228.9	207.7	184.9	170.6	154.5
82.5°	111.5	128.4	133.4	149.5	153.7	154.5	137.7	124.1	109.8	102.2	91.2
85°	51.5	60.8	61.6	70.9	74.3	81.1	73.5	64.2	55.7	52.4	45.6
87.5°	1.7	5.1	6.8	12.7	16.9	19.4	21.1	21.1	17.7	16.0	13.5
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: P632929

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4	1893.4
2.5°	1792.9	1813.1	1836.8	1853.7	1884.1	1909.4	1935.6	1964.3	1985.4	1980.3
5°	1702.5	1736.3	1779.4	1819.0	1875.6	1933.1	1996.4	2061.4	2099.4	2097.7
7.5°	1651.8	1700.0	1752.3	1805.5	1872.2	1955.0	2052.1	2153.5	2205.0	2207.5
10°	1678.9	1730.4	1765.8	1810.6	1880.7	1984.6	2101.1	2222.7	2281.8	2293.7
12.5°	1764.2	1759.9	1757.4	1789.5	1873.9	2005.7	2148.4	2293.7	2360.4	2374.7
15°	1845.2	1758.2	1705.9	1727.8	1843.5	2019.2	2194.8	2371.3	2446.5	2461.7
17.5°	1860.4	1728.7	1631.6	1646.8	1795.4	2023.4	2239.6	2447.3	2528.4	2542.8
20°	1818.2	1690.7	1577.5	1556.4	1734.6	2012.4	2267.5	2510.7	2599.4	2614.6
22.5°	1765.0	1656.9	1537.0	1482.1	1660.3	2001.5	2298.7	2577.4	2679.6	2693.1
25°	1709.3	1613.8	1499.0	1415.4	1575.8	1994.7	2351.1	2665.2	2788.5	2804.6
27.5°	1650.1	1561.5	1466.0	1383.3	1498.1	2003.1	2425.4	2807.1	2947.3	2970.1
30°	1586.8	1509.1	1444.9	1372.3	1444.9	2010.7	2507.3	2952.4	3117.0	3149.1
32.5°	1520.9	1461.0	1423.0	1377.4	1412.0	1993.0	2579.1	3115.3	3319.7	3347.6
35°	1455.1	1412.0	1395.1	1386.7	1368.1	1928.0	2637.4	3280.0	3551.1	3575.6
37.5°	1393.4	1361.3	1356.3	1365.5	1300.5	1821.6	2704.9	3489.5	3778.3	3815.4
40°	1336.0	1306.4	1305.6	1303.9	1226.2	1676.3	2796.1	3702.3	4002.1	4019.0
42.5°	1282.8	1245.6	1252.4	1232.1	1165.4	1519.2	2882.3	3883.8	4210.7	4222.5
45°	1235.5	1186.5	1194.1	1168.8	1136.7	1354.6	2958.3	4098.3	4475.0	4482.6
47.5°	1189.9	1137.5	1116.4	1114.7	1131.6	1202.6	3032.6	4511.3	4888.8	4902.3
50°	1147.7	1091.1	1031.1	1068.3	1100.4	1088.6	3125.5	4953.8	5316.1	5312.7
52.5°	1107.1	1032.8	947.5	1019.3	1019.3	1004.1	3099.3	5222.4	5669.1	5727.4
55°	1060.7	939.1	860.5	937.4	900.2	928.1	2635.7	5310.2	5891.2	5974.0
57.5°	968.6	823.4	755.0	796.4	740.6	860.5	1893.4	4874.4	5513.7	5660.7
60°	880.0	738.1	693.3	685.7	613.1	701.8	1227.1	3816.3	4538.3	4612.6
62.5°	776.1	664.6	626.6	568.3	493.2	510.9	743.2	2511.5	3049.5	3066.4
65°	697.6	602.1	529.5	460.3	403.7	370.7	439.1	1211.0	1524.3	1504.0
67.5°	598.7	516.0	446.7	396.9	350.5	309.1	292.2	359.8	407.0	393.5
70°	532.9	453.5	386.8	339.5	296.4	255.0	225.5	212.0	207.7	204.4
72.5°	459.4	390.2	320.9	275.3	234.8	196.8	169.7	153.7	149.5	146.1
75°	366.5	301.5	238.1	195.1	159.6	132.6	114.9	101.3	98.8	95.4
77.5°	242.4	193.4	141.9	115.7	94.6	80.2	68.4	60.0	58.3	56.6
80°	133.4	111.5	87.0	70.1	56.6	49.0	44.8	39.7	38.8	38.0
82.5°	79.4	66.7	49.8	39.7	32.9	29.6	27.0	24.5	23.6	22.8
85°	39.7	31.2	22.0	18.6	16.9	15.2	15.2	12.7	11.8	11.8
87.5°	10.1	8.4	5.1	4.2	4.2	4.2	3.4	2.5	2.5	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)