

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: P633094

Luminaire Tested: GWS-SA2E-722-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633094
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-SA2E-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8408.9 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

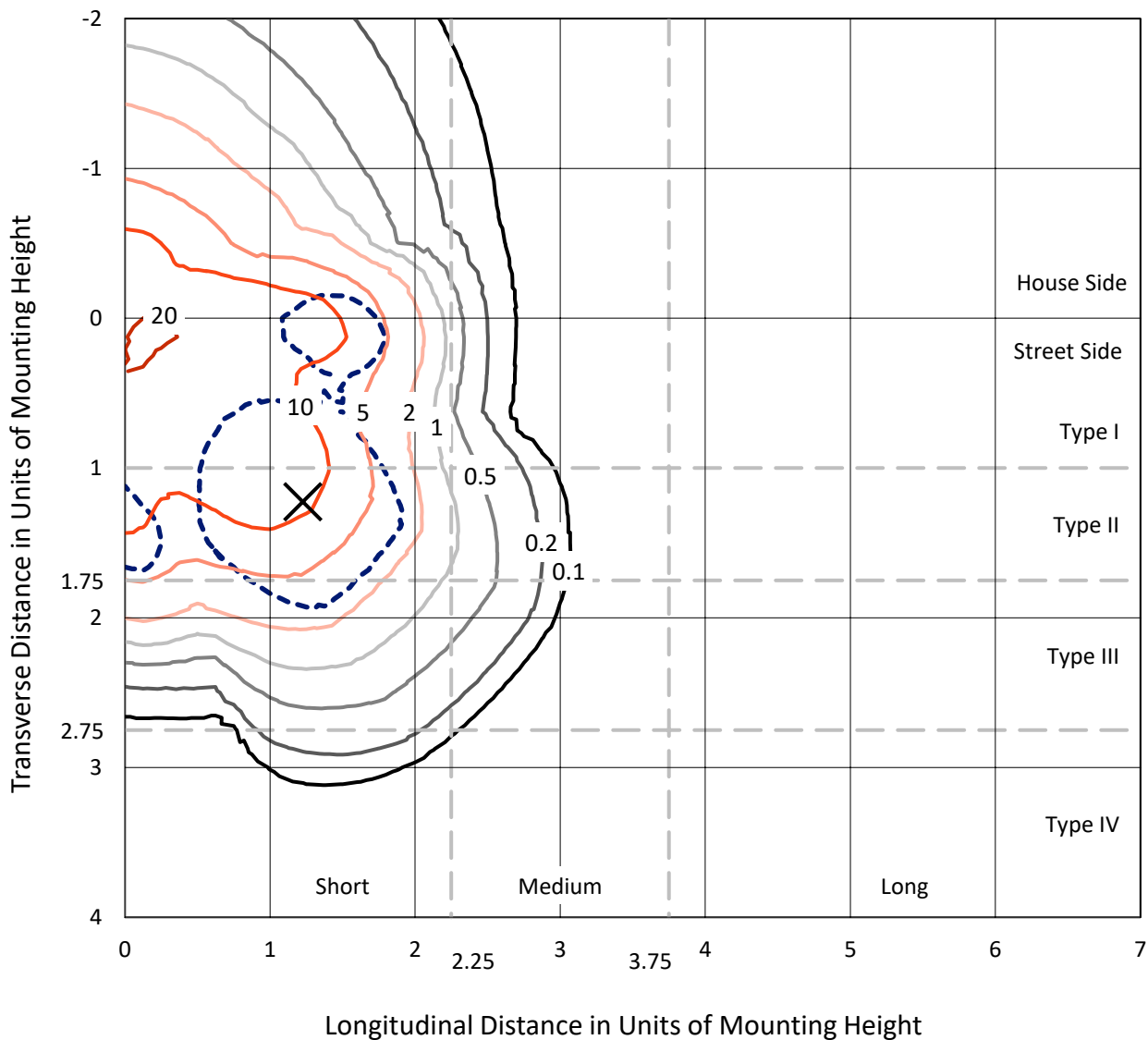
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

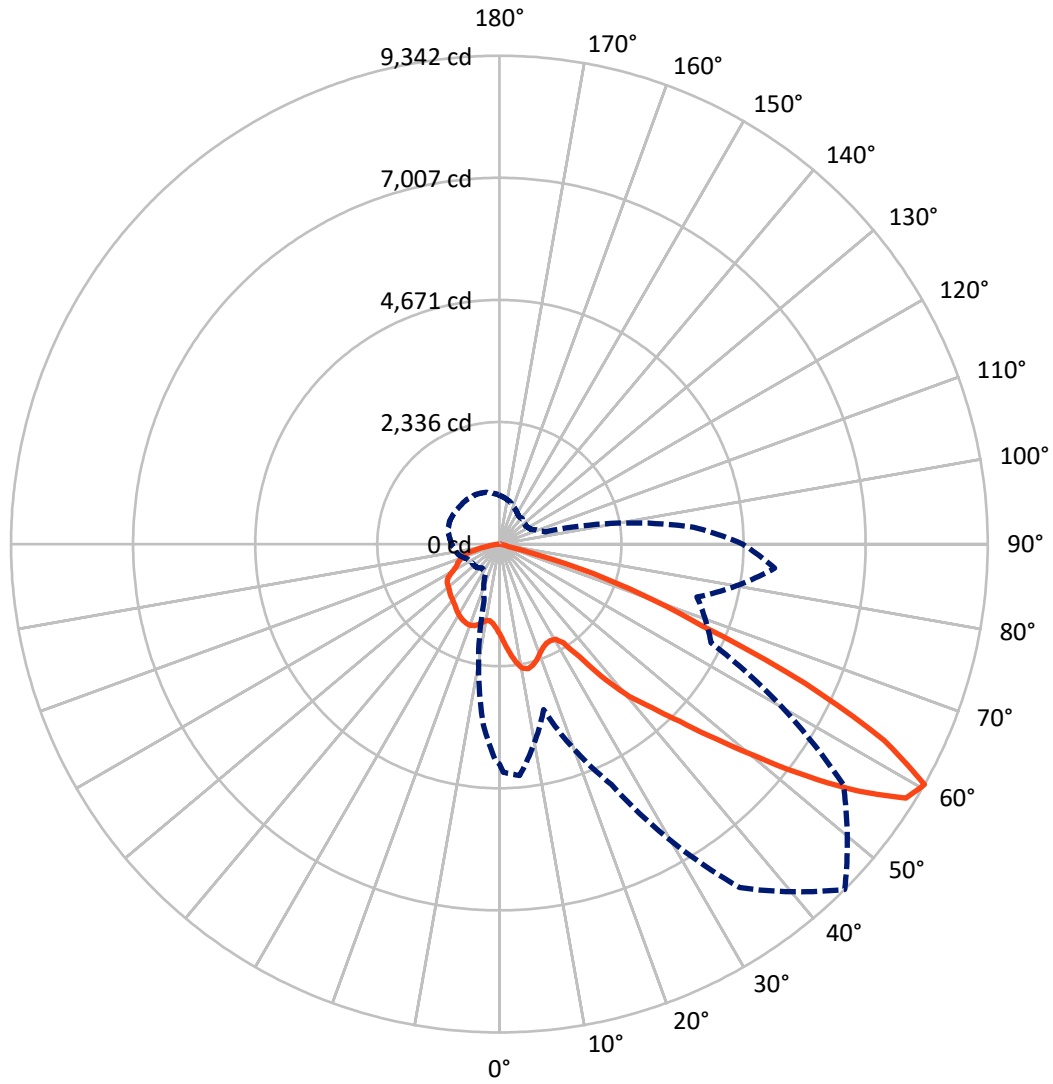
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23 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	2947.6	0.0	2947.6
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	5461.3	0.0	5461.3
	% Fixture	64.9	0.0	64.9
Total	Lumens	8408.9	0.0	8408.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.5	2.0
10°-20°	532.6	6.3
20°-30°	865.1	10.3
30°-40°	1220.1	14.5
40°-50°	1686.1	20.1
50°-60°	2170.5	25.8
60°-70°	1375.3	16.4
70°-80°	352.9	4.2
80°-90°	37.7	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°	8408.9	100.0
0°-180°	8408.9	100.0

Coefficient of Utilization



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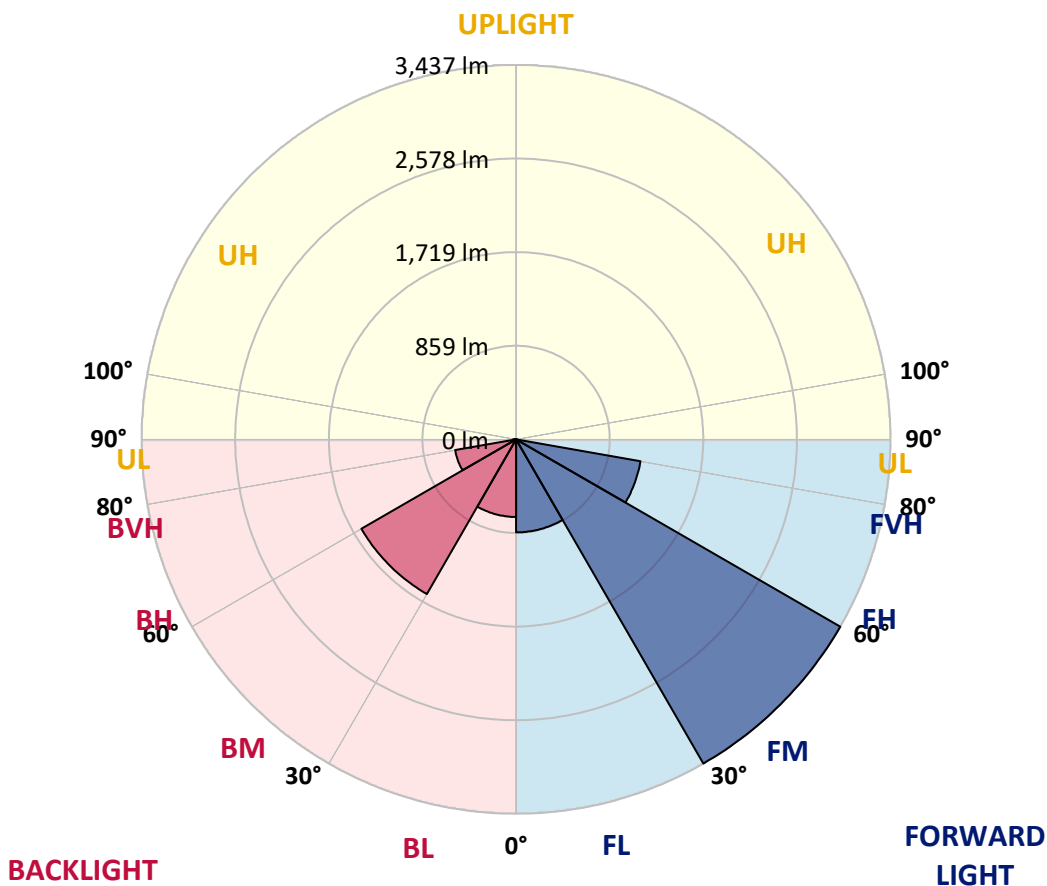
CATALOG NUMBER: GWS-SA2E-722-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	853.8	10.2			
FM (30°-60°)	3437.1	40.9			
FH (60°-80°)	1160.1	13.8			G1/1800
FVH (80°-90°)	10.3	0.1			G1/100
BL (0°-30°)	712.4	8.5	B2/1000		
BM (30°-60°)	1639.7	19.5	B2/2500		
BH (60°-80°)	568.0	6.8	B2/1000		G2/1000
BVH (80°-90°)	27.5	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°	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4
2.5°	1806.8	1819.1	1826.8	1841.5	1867.7	1882.3	1898.5	1880.8	1885.4	1883.1	1854.6
5°	1913.9	1928.5	1948.6	1991.7	2040.3	2067.2	2092.6	2088.8	2064.9	2024.8	1996.3
7.5°	2014.1	2031.0	2065.7	2135.8	2207.4	2249.1	2279.9	2259.8	2239.8	2176.6	2105.0
10°	2092.6	2102.7	2149.7	2243.7	2326.9	2373.9	2411.6	2407.0	2379.3	2308.4	2212.1
12.5°	2166.6	2173.5	2224.4	2318.4	2393.1	2413.9	2444.8	2454.8	2445.5	2392.4	2297.6
15°	2246.0	2259.1	2306.1	2377.7	2411.6	2390.1	2400.8	2428.6	2454.8	2454.8	2367.7
17.5°	2319.9	2331.5	2379.3	2410.1	2377.7	2320.7	2323.8	2359.2	2421.6	2487.1	2431.7
20°	2385.4	2396.2	2443.2	2413.9	2311.5	2228.3	2225.9	2269.1	2370.0	2507.9	2500.2
22.5°	2457.1	2472.5	2511.8	2417.0	2249.8	2144.3	2143.5	2188.2	2324.6	2528.7	2578.8
25°	2558.8	2582.7	2602.7	2444.0	2216.7	2089.6	2099.6	2142.0	2309.9	2562.6	2695.2
27.5°	2709.8	2729.1	2727.5	2500.2	2215.2	2067.2	2088.0	2137.3	2336.1	2622.7	2817.7
30°	2873.2	2883.2	2867.0	2578.8	2250.6	2081.1	2111.9	2170.5	2402.4	2722.1	2998.0
32.5°	3054.2	3066.5	3035.7	2696.7	2333.0	2183.6	2251.4	2279.9	2495.6	2865.4	3189.1
35°	3262.2	3286.1	3222.2	2852.3	2575.7	2557.3	2655.9	2618.9	2693.6	3035.0	3393.2
37.5°	3481.1	3481.8	3390.1	3082.7	3051.9	3083.5	3280.7	3165.2	3113.5	3223.7	3601.3
40°	3666.8	3662.1	3521.1	3393.2	3466.4	3592.0	3830.1	3652.9	3517.3	3477.2	3773.9
42.5°	3852.4	3835.5	3692.9	3590.5	3752.3	4010.4	4279.3	4062.0	3776.2	3707.6	3944.1
45°	4089.8	4084.4	3912.5	3669.1	4010.4	4478.8	4835.6	4483.5	3929.5	3841.7	4227.7
47.5°	4472.7	4446.5	4126.7	3662.9	4252.3	5102.9	5553.7	5014.3	4036.6	3844.7	4685.3
50°	4847.1	4814.8	4382.5	3662.1	4502.0	5750.2	6401.2	5659.2	4146.0	3863.2	5150.7
52.5°	5225.5	5225.5	4802.5	3749.2	4763.9	6472.9	7380.5	6462.9	4332.5	4105.2	5723.2
55°	5450.4	5510.5	5274.8	3896.4	5070.6	7323.5	8349.0	7330.4	4620.6	4542.0	6251.7
57.5°	5164.6	5277.1	5243.2	3793.9	5251.6	7948.4	9170.4	7988.4	4763.2	4593.7	6172.4
60°	4208.4	4364.8	4442.6	3276.1	5072.9	8020.8	9342.2	8031.6	4468.8	3911.8	5287.1
62.5°	2797.6	2926.3	3045.0	2340.7	4391.8	7215.6	8262.7	7217.9	3732.2	2919.4	3662.9
65°	1372.2	1467.8	1595.7	1383.8	3431.0	6029.1	6442.1	5832.6	2699.8	1634.2	1868.4
67.5°	359.0	386.0	403.7	537.0	2457.9	4331.7	4201.5	4266.2	1734.4	533.9	488.5
70°	186.5	188.0	187.2	221.9	1661.2	2753.0	2895.5	2679.0	1210.4	223.4	192.6
72.5°	133.3	134.1	131.8	149.5	802.1	1577.2	1634.2	1616.5	634.1	132.5	131.8
75°	87.1	87.8	86.3	87.8	121.0	179.5	165.7	174.1	105.6	84.0	84.0
77.5°	51.6	52.4	51.6	53.2	51.6	51.6	47.8	47.8	45.5	45.5	46.2
80°	34.7	34.7	33.9	35.4	32.4	32.4	30.8	30.0	27.7	27.0	27.0
82.5°	20.8	21.6	20.8	20.8	19.3	19.3	17.7	17.0	14.6	14.6	13.9
85°	10.8	10.8	10.0	10.0	8.5	7.7	6.2	6.2	4.6	3.9	3.9
87.5°	1.5	1.5	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°	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4
2.5°	1846.9	1831.5	1808.3	1786.0	1765.2	1743.6	1719.0	1693.5	1672.0	1649.6	1638.1
5°	1958.6	1927.0	1866.9	1813.7	1766.0	1726.7	1684.3	1648.1	1614.2	1586.4	1572.6
7.5°	2059.5	2010.2	1919.3	1835.3	1770.6	1716.6	1658.1	1604.2	1558.7	1524.8	1511.7
10°	2152.7	2094.2	1974.8	1868.4	1792.9	1732.8	1661.2	1588.0	1527.9	1483.2	1472.4
12.5°	2228.3	2161.2	2018.7	1895.4	1806.0	1741.3	1678.1	1614.9	1555.6	1497.8	1488.6
15°	2295.3	2215.9	2051.8	1912.4	1801.4	1719.0	1665.8	1658.1	1658.1	1592.6	1574.1
17.5°	2353.1	2266.0	2078.8	1920.1	1772.1	1652.7	1620.3	1687.4	1762.9	1715.9	1674.3
20°	2419.3	2313.8	2101.1	1920.1	1718.2	1568.7	1565.6	1679.7	1791.4	1792.2	1748.2
22.5°	2486.4	2369.3	2127.3	1913.1	1644.2	1471.6	1528.6	1648.8	1748.2	1790.6	1760.6
25°	2595.0	2446.3	2168.9	1907.7	1557.9	1405.4	1495.5	1608.0	1692.0	1736.7	1717.4
27.5°	2732.9	2548.0	2232.1	1916.2	1472.4	1366.1	1460.1	1554.8	1631.1	1670.4	1656.5
30°	2887.0	2665.1	2299.9	1930.8	1410.8	1346.0	1417.7	1494.0	1561.8	1601.1	1594.9
32.5°	3083.5	2792.2	2358.5	1910.8	1376.1	1336.0	1373.0	1427.7	1493.2	1517.9	1523.3
35°	3318.5	2932.5	2403.2	1832.2	1344.5	1325.2	1324.5	1358.4	1404.6	1443.9	1447.7
37.5°	3535.0	3096.6	2452.5	1697.4	1287.5	1298.3	1267.5	1287.5	1332.9	1372.2	1387.6
40°	3749.2	3263.0	2521.0	1525.6	1212.7	1238.2	1202.0	1215.8	1252.0	1303.7	1328.3
42.5°	3957.2	3413.3	2593.5	1349.9	1138.0	1154.2	1127.2	1141.1	1178.8	1243.6	1271.3
45°	4183.8	3616.7	2649.7	1184.2	1073.3	1066.4	1044.8	1064.8	1121.8	1192.7	1225.8
47.5°	4612.1	3937.2	2686.7	1074.1	1038.6	988.5	963.9	1007.0	1071.7	1143.4	1183.5
50°	5135.3	4401.0	2675.9	1003.9	1008.6	908.4	899.9	956.9	1026.3	1101.0	1144.9
52.5°	5549.8	4856.4	2553.4	936.9	950.0	857.6	832.9	916.1	982.4	1058.7	1104.1
55°	5866.5	5009.7	2177.4	857.6	854.5	820.6	768.9	873.7	938.5	1009.3	1058.7
57.5°	5608.4	4668.4	1614.2	748.1	729.7	747.4	697.3	802.1	884.5	954.6	998.6
60°	4654.5	3722.2	899.2	662.6	610.2	653.4	645.7	726.6	826.0	899.9	937.7
62.5°	3159.8	2478.7	533.2	523.9	494.7	556.3	597.1	650.3	748.1	808.2	843.7
65°	1574.9	1204.3	354.4	392.2	396.0	457.7	534.7	593.3	674.9	736.6	772.0
67.5°	456.9	374.5	269.7	299.7	341.3	390.6	452.3	521.6	601.0	674.2	715.8
70°	197.2	199.6	214.2	249.6	290.5	341.3	403.0	470.8	537.8	594.0	625.6
72.5°	139.5	144.9	161.0	197.2	235.8	284.3	345.9	411.4	460.0	517.0	550.1
75°	89.4	93.2	106.3	134.1	162.6	209.6	268.1	328.2	378.3	419.1	450.7
77.5°	49.3	50.1	60.9	77.0	96.3	126.4	169.5	216.5	253.5	276.6	305.1
80°	28.5	28.5	33.9	43.9	55.5	74.0	97.9	121.0	143.3	158.0	171.8
82.5°	15.4	15.4	17.7	23.9	30.0	40.8	54.7	66.3	80.1	87.8	97.1
85°	4.6	4.6	6.2	8.5	10.8	15.4	21.6	27.7	33.9	39.3	44.7
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°	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4
2.5°	1635.7	1625.0	1618.8	1611.1	1613.4	1606.5	1602.6	1604.9	1591.1	1604.9	1618.8
5°	1567.2	1551.8	1539.4	1529.4	1524.8	1515.6	1510.2	1510.2	1501.7	1515.6	1532.5
7.5°	1507.1	1494.7	1488.6	1482.4	1475.5	1467.0	1457.8	1454.7	1449.3	1463.9	1478.6
10°	1467.0	1468.6	1472.4	1480.9	1479.3	1473.9	1460.1	1452.4	1452.4	1469.3	1491.7
12.5°	1485.5	1501.7	1510.9	1526.3	1529.4	1524.8	1510.9	1504.8	1520.2	1545.6	1582.6
15°	1557.2	1567.9	1575.6	1588.0	1587.2	1583.4	1572.6	1577.2	1628.0	1677.4	1710.5
17.5°	1635.0	1622.6	1621.1	1628.8	1631.1	1626.5	1620.3	1641.1	1725.1	1771.4	1788.3
20°	1691.2	1648.8	1639.6	1642.7	1648.8	1646.5	1646.5	1680.4	1767.5	1789.1	1767.5
22.5°	1708.2	1648.1	1634.2	1635.0	1643.5	1644.2	1648.1	1683.5	1734.4	1735.1	1702.0
25°	1681.2	1623.4	1613.4	1614.9	1625.0	1624.2	1625.7	1645.8	1668.1	1658.9	1634.2
27.5°	1630.4	1580.3	1577.2	1585.7	1598.8	1591.8	1587.2	1592.6	1603.4	1591.8	1570.3
30°	1572.6	1530.2	1531.7	1547.9	1561.8	1550.2	1538.7	1541.7	1542.5	1530.2	1505.5
32.5°	1511.7	1480.1	1485.5	1502.5	1518.6	1506.3	1494.0	1492.4	1477.8	1463.2	1439.3
35°	1450.8	1438.5	1445.4	1459.3	1473.2	1463.2	1455.5	1450.8	1419.2	1397.7	1377.6
37.5°	1395.4	1404.6	1416.9	1425.4	1430.0	1429.3	1424.6	1413.8	1372.2	1346.8	1320.6
40°	1346.0	1374.6	1387.6	1391.5	1398.4	1396.9	1396.1	1380.7	1326.0	1299.0	1269.0
42.5°	1301.4	1341.4	1363.8	1367.6	1371.5	1372.2	1369.9	1347.6	1285.2	1253.6	1225.1
45°	1258.2	1310.6	1339.1	1335.3	1340.6	1340.6	1343.0	1313.7	1245.1	1212.7	1182.7
47.5°	1220.5	1282.1	1308.3	1303.7	1306.7	1309.1	1311.4	1277.5	1201.2	1170.4	1139.6
50°	1185.8	1251.3	1273.6	1275.2	1275.2	1280.6	1279.8	1246.6	1164.2	1131.1	1100.3
52.5°	1148.8	1219.7	1243.6	1253.6	1256.7	1259.0	1248.2	1209.7	1126.5	1086.4	1057.9
55°	1105.7	1187.3	1208.9	1222.0	1228.2	1226.6	1212.0	1172.7	1087.9	1047.9	1015.5
57.5°	1040.2	1118.0	1148.8	1155.0	1165.0	1158.8	1141.9	1108.7	1026.3	986.2	953.1
60°	968.5	1024.7	1049.4	1054.8	1047.1	1049.4	1047.1	1015.5	943.8	912.3	878.4
62.5°	874.5	924.6	950.8	957.7	944.6	953.1	950.0	910.7	839.1	805.9	775.9
65°	803.6	858.3	889.1	893.0	889.1	893.0	882.2	834.4	766.6	732.7	701.9
67.5°	748.1	804.4	836.8	847.5	843.7	842.9	826.0	770.5	700.4	663.4	624.1
70°	652.6	701.9	743.5	769.7	769.7	755.1	722.7	671.1	614.8	583.3	552.4
72.5°	577.9	640.3	681.1	708.1	713.5	705.0	659.5	604.8	540.1	508.5	476.2
75°	476.2	537.0	580.9	616.4	623.3	614.1	561.7	507.8	447.7	416.8	384.5
77.5°	318.2	354.4	389.9	422.2	415.3	421.5	386.0	345.2	308.2	285.1	270.4
80°	179.5	203.4	214.2	231.9	231.9	231.9	208.8	189.5	168.7	155.6	141.0
82.5°	101.7	117.1	121.7	136.4	140.2	141.0	125.6	113.3	100.2	93.2	83.2
85°	47.0	55.5	56.2	64.7	67.8	74.0	67.0	58.6	50.9	47.8	41.6
87.5°	1.5	4.6	6.2	11.6	15.4	17.7	19.3	19.3	16.2	14.6	12.3
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: P633094

CATALOG NUMBER: GWS-SA2E-722-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4
2.5°	1635.7	1654.2	1675.8	1691.2	1719.0	1742.1	1766.0	1792.2	1811.4	1806.8
5°	1553.3	1584.1	1623.4	1659.6	1711.3	1763.6	1821.4	1880.8	1915.4	1913.9
7.5°	1507.1	1551.0	1598.8	1647.3	1708.2	1783.7	1872.3	1964.7	2011.7	2014.1
10°	1531.7	1578.7	1611.1	1651.9	1715.9	1810.6	1917.0	2027.9	2081.9	2092.6
12.5°	1609.5	1605.7	1603.4	1632.7	1709.7	1829.9	1960.1	2092.6	2153.5	2166.6
15°	1683.5	1604.2	1556.4	1576.4	1682.0	1842.2	2002.5	2163.5	2232.1	2246.0
17.5°	1697.4	1577.2	1488.6	1502.5	1638.1	1846.1	2043.3	2232.9	2306.8	2319.9
20°	1658.9	1542.5	1439.3	1420.0	1582.6	1836.1	2068.8	2290.7	2371.6	2385.4
22.5°	1610.3	1511.7	1402.3	1352.2	1514.8	1826.1	2097.3	2351.5	2444.8	2457.1
25°	1559.5	1472.4	1367.6	1291.3	1437.7	1819.9	2145.0	2431.7	2544.2	2558.8
27.5°	1505.5	1424.6	1337.6	1262.1	1366.8	1827.6	2212.8	2561.1	2689.0	2709.8
30°	1447.7	1376.9	1318.3	1252.0	1318.3	1834.5	2287.6	2693.6	2843.9	2873.2
32.5°	1387.6	1332.9	1298.3	1256.7	1288.3	1818.4	2353.1	2842.3	3028.8	3054.2
35°	1327.6	1288.3	1272.8	1265.1	1248.2	1759.0	2406.2	2992.6	3239.9	3262.2
37.5°	1271.3	1242.0	1237.4	1245.9	1186.6	1661.9	2467.9	3183.7	3447.2	3481.1
40°	1218.9	1191.9	1191.2	1189.6	1118.7	1529.4	2551.1	3377.8	3651.3	3666.8
42.5°	1170.4	1136.5	1142.6	1124.1	1063.3	1386.1	2629.7	3543.5	3841.7	3852.4
45°	1127.2	1082.5	1089.5	1066.4	1037.1	1235.9	2699.0	3739.2	4082.8	4089.8
47.5°	1085.6	1037.8	1018.6	1017.0	1032.5	1097.2	2766.8	4115.9	4460.4	4472.7
50°	1047.1	995.5	940.8	974.7	1003.9	993.2	2851.6	4519.7	4850.2	4847.1
52.5°	1010.1	942.3	864.5	930.0	930.0	916.1	2827.7	4764.7	5172.3	5225.5
55°	967.7	856.8	785.1	855.2	821.3	846.8	2404.7	4844.8	5374.9	5450.4
57.5°	883.7	751.2	688.8	726.6	675.7	785.1	1727.4	4447.3	5030.5	5164.6
60°	802.8	673.4	632.6	625.6	559.4	640.3	1119.5	3481.8	4140.6	4208.4
62.5°	708.1	606.4	571.7	518.5	450.0	466.1	678.0	2291.4	2782.2	2797.6
65°	636.4	549.4	483.1	419.9	368.3	338.2	400.7	1104.9	1390.7	1372.2
67.5°	546.3	470.8	407.6	362.1	319.8	282.0	266.6	328.2	371.4	359.0
70°	486.2	413.8	352.9	309.7	270.4	232.7	205.7	193.4	189.5	186.5
72.5°	419.1	356.0	292.8	251.2	214.2	179.5	154.9	140.2	136.4	133.3
75°	334.4	275.1	217.3	178.0	145.6	121.0	104.8	92.5	90.1	87.1
77.5°	221.1	176.4	129.4	105.6	86.3	73.2	62.4	54.7	53.2	51.6
80°	121.7	101.7	79.4	64.0	51.6	44.7	40.8	36.2	35.4	34.7
82.5°	72.4	60.9	45.5	36.2	30.0	27.0	24.7	22.3	21.6	20.8
85°	36.2	28.5	20.0	17.0	15.4	13.9	13.9	11.6	10.8	10.8
87.5°	9.2	7.7	4.6	3.9	3.9	3.9	3.1	2.3	2.3	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)