

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: P634579

Luminaire Tested: GWS-SA3C-722-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634579
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8039.2 lumens
Efficiency: N/A
Efficacy: 86.4 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

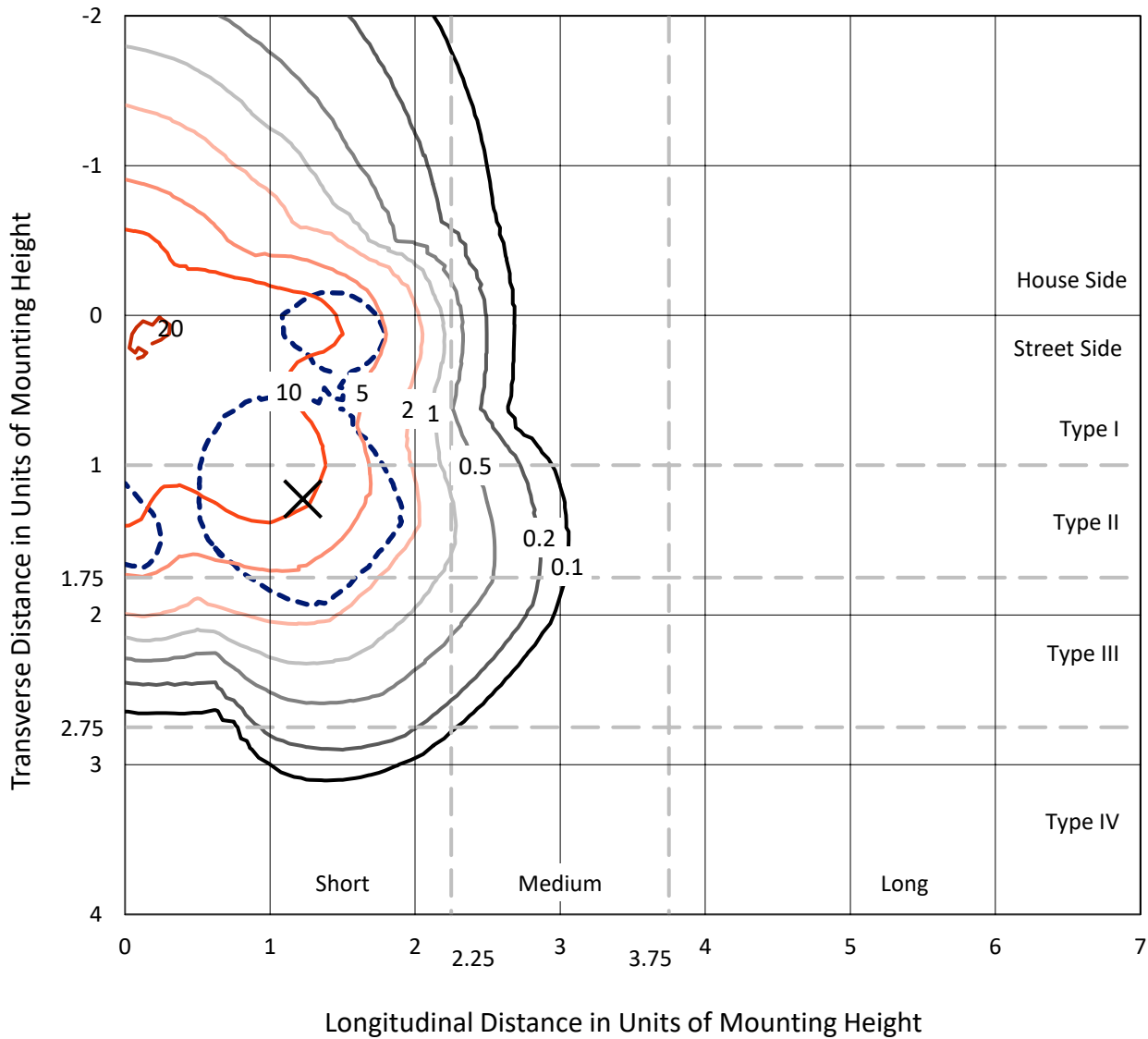
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

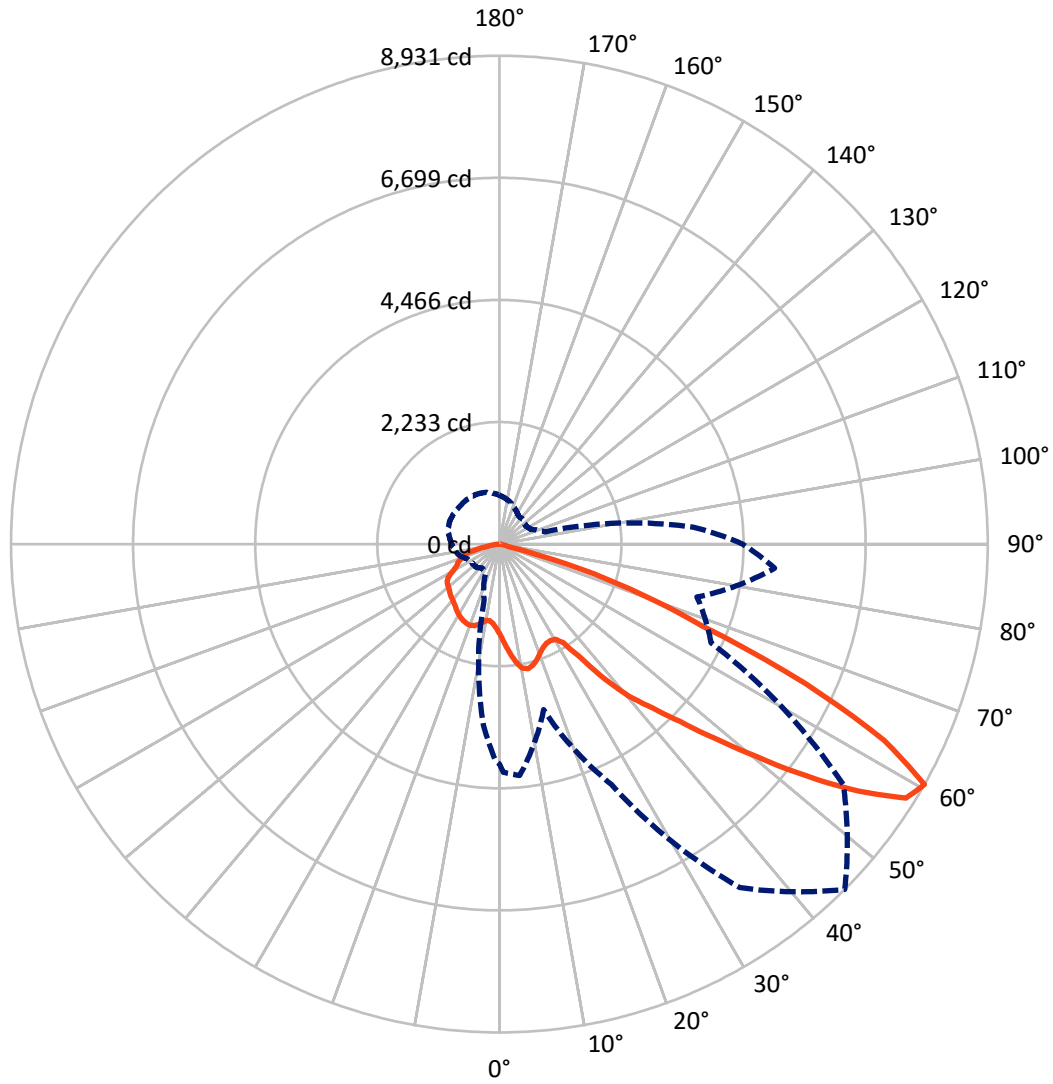
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22 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	2818.0	0.0	2818.0
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	5221.2	0.0	5221.2
	% Fixture	64.9	0.0	64.9
Total	Lumens	8039.2	0.0	8039.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.1	2.0
10°-20°	509.2	6.3
20°-30°	827.1	10.3
30°-40°	1166.4	14.5
40°-50°	1612.0	20.1
50°-60°	2075.1	25.8
60°-70°	1314.8	16.4
70°-80°	337.4	4.2
80°-90°	36.1	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°	8039.2	100.0
0°-180°	8039.2	100.0

Coefficient of Utilization



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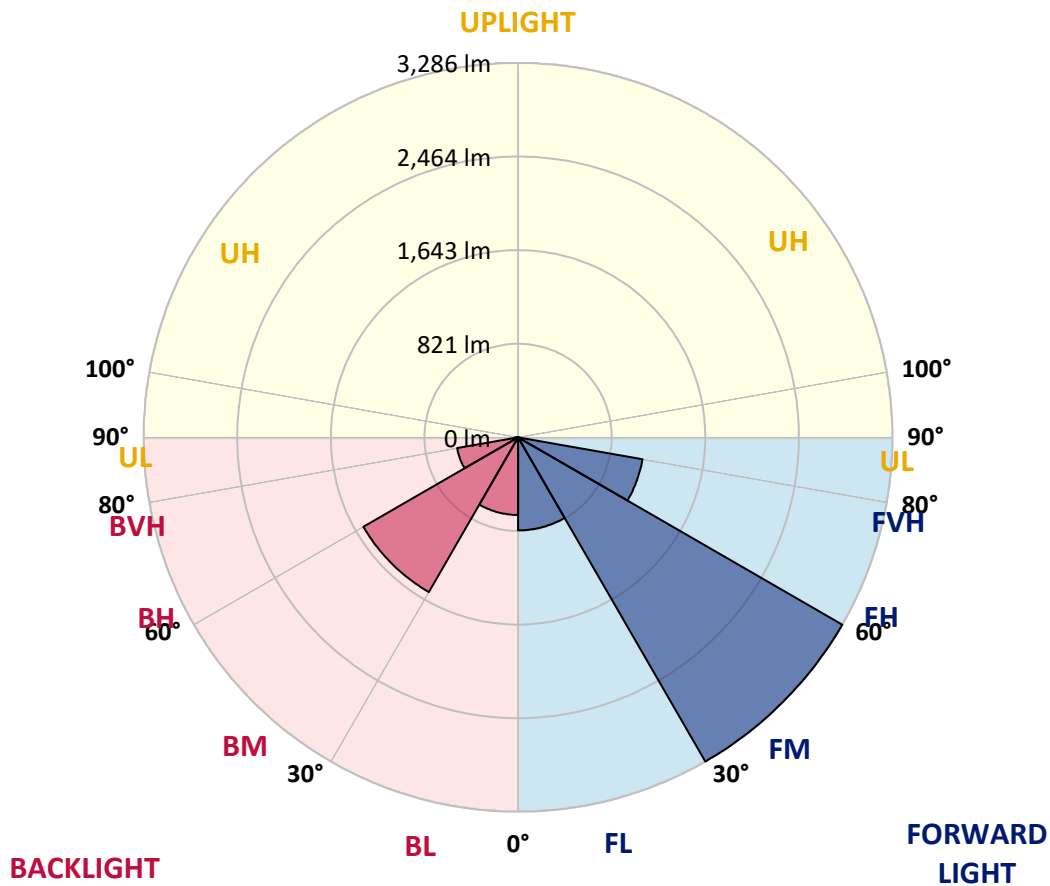
CATALOG NUMBER: GWS-SA3C-722-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	816.3	10.2			
FM (30°-60°)	3286.0	40.9			
FH (60°-80°)	1109.1	13.8			G1/1800
FVH (80°-90°)	9.8	0.1			G0/10
BL (0°-30°)	681.1	8.5	B2/1000		
BM (30°-60°)	1567.6	19.5	B2/2500		
BH (60°-80°)	543.1	6.8	B2/1000		G2/1000
BVH (80°-90°)	26.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5
2.5°	1727.4	1739.1	1746.5	1760.5	1785.6	1799.5	1815.0	1798.1	1802.5	1800.3	1773.0
5°	1829.7	1843.7	1862.9	1904.1	1950.6	1976.3	2000.6	1997.0	1974.1	1935.8	1908.6
7.5°	1925.5	1941.7	1974.9	2041.9	2110.4	2150.2	2179.6	2160.5	2141.3	2080.9	2012.4
10°	2000.6	2010.2	2055.2	2145.0	2224.6	2269.5	2305.6	2301.2	2274.7	2206.9	2114.8
12.5°	2071.4	2078.0	2126.6	2216.5	2287.9	2307.8	2337.3	2346.9	2338.0	2287.2	2196.6
15°	2147.2	2159.8	2204.7	2273.2	2305.6	2285.0	2295.3	2321.8	2346.9	2346.9	2263.6
17.5°	2217.9	2229.0	2274.7	2304.1	2273.2	2218.7	2221.6	2255.5	2315.2	2377.8	2324.8
20°	2280.6	2290.9	2335.8	2307.8	2209.8	2130.3	2128.1	2169.3	2265.8	2397.7	2390.3
22.5°	2349.1	2363.8	2401.4	2310.8	2150.9	2050.0	2049.3	2092.0	2222.4	2417.6	2465.4
25°	2446.3	2469.1	2488.3	2336.5	2119.2	1997.7	2007.3	2047.8	2208.4	2450.0	2576.7
27.5°	2590.7	2609.1	2607.6	2390.3	2117.8	1976.3	1996.2	2043.4	2233.4	2507.4	2693.8
30°	2746.8	2756.4	2740.9	2465.4	2151.6	1989.6	2019.1	2075.0	2296.8	2602.5	2866.2
32.5°	2919.9	2931.7	2902.3	2578.1	2230.5	2087.6	2152.4	2179.6	2385.9	2739.5	3048.8
35°	3118.8	3141.7	3080.5	2726.9	2462.5	2444.8	2539.1	2503.7	2575.2	2901.5	3244.0
37.5°	3328.0	3328.8	3241.1	2947.2	2917.7	2947.9	3136.5	3026.0	2976.7	3082.0	3442.9
40°	3505.5	3501.1	3366.3	3244.0	3314.0	3434.1	3661.7	3492.3	3362.6	3324.3	3607.9
42.5°	3683.1	3666.9	3530.6	3432.6	3587.3	3834.1	4091.2	3883.4	3610.1	3544.6	3770.7
45°	3909.9	3904.8	3740.5	3507.8	3834.1	4281.9	4623.0	4286.4	3756.7	3672.8	4041.8
47.5°	4276.0	4251.0	3945.3	3501.9	4065.4	4878.6	5309.5	4793.9	3859.1	3675.7	4479.3
50°	4634.0	4603.1	4189.9	3501.1	4304.0	5497.3	6119.8	5410.4	3963.7	3693.4	4924.3
52.5°	4995.7	4995.7	4591.3	3584.4	4554.5	6188.3	7056.0	6178.7	4142.0	3924.7	5471.6
55°	5210.8	5268.3	5042.9	3725.1	4847.7	7001.5	7981.9	7008.1	4417.5	4342.3	5976.9
57.5°	4937.5	5045.1	5012.7	3627.1	5020.8	7598.9	8767.2	7637.2	4553.7	4391.7	5901.0
60°	4023.4	4172.9	4247.3	3132.1	4849.9	7668.1	8931.4	7678.5	4272.4	3739.8	5054.6
62.5°	2674.6	2797.7	2911.1	2237.8	4198.7	6898.4	7899.4	6900.6	3568.2	2791.0	3501.9
65°	1311.9	1403.2	1525.5	1323.0	3280.1	5764.0	6158.8	5576.2	2581.1	1562.4	1786.3
67.5°	343.3	369.0	386.0	513.4	2349.8	4141.2	4016.8	4078.6	1658.1	510.5	467.0
70°	178.3	179.7	179.0	212.1	1588.1	2631.9	2768.2	2561.2	1157.2	213.6	184.2
72.5°	127.4	128.2	126.0	142.9	766.8	1507.8	1562.4	1545.4	606.2	126.7	126.0
75°	83.2	84.0	82.5	84.0	115.6	171.6	158.4	166.5	100.9	80.3	80.3
77.5°	49.4	50.1	49.4	50.8	49.4	49.4	45.7	45.7	43.5	43.5	44.2
80°	33.1	33.1	32.4	33.9	30.9	30.9	29.5	28.7	26.5	25.8	25.8
82.5°	19.9	20.6	19.9	19.9	18.4	18.4	16.9	16.2	14.0	14.0	13.3
85°	10.3	10.3	9.6	9.6	8.1	7.4	5.9	5.9	4.4	3.7	3.7
87.5°	1.5	1.5	0.7	0.7	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°	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5
2.5°	1765.7	1750.9	1728.8	1707.5	1687.6	1667.0	1643.4	1619.1	1598.5	1577.1	1566.0
5°	1872.5	1842.3	1784.8	1734.0	1688.3	1650.8	1610.2	1575.6	1543.2	1516.7	1503.4
7.5°	1969.0	1921.8	1834.9	1754.6	1692.7	1641.2	1585.2	1533.6	1490.2	1457.8	1445.2
10°	2058.1	2002.1	1887.9	1786.3	1714.1	1656.6	1588.1	1518.2	1460.7	1418.0	1407.7
12.5°	2130.3	2066.2	1929.9	1812.1	1726.6	1664.7	1604.3	1543.9	1487.2	1432.0	1423.1
15°	2194.4	2118.5	1961.6	1828.3	1722.2	1643.4	1592.6	1585.2	1585.2	1522.6	1504.9
17.5°	2249.6	2166.4	1987.4	1835.6	1694.2	1580.0	1549.1	1613.2	1685.4	1640.4	1600.7
20°	2313.0	2212.1	2008.7	1835.6	1642.6	1499.7	1496.8	1605.8	1712.6	1713.4	1671.4
22.5°	2377.1	2265.1	2033.8	1829.0	1571.9	1406.9	1461.4	1576.4	1671.4	1711.9	1683.2
25°	2480.9	2338.7	2073.6	1823.9	1489.4	1343.6	1429.8	1537.3	1617.6	1660.3	1641.9
27.5°	2612.8	2436.0	2134.0	1832.0	1407.7	1306.0	1395.9	1486.5	1559.4	1597.0	1583.7
30°	2760.1	2547.9	2198.8	1846.0	1348.7	1286.9	1355.4	1428.3	1493.1	1530.7	1524.8
32.5°	2947.9	2669.5	2254.8	1826.8	1315.6	1277.3	1312.6	1364.9	1427.6	1451.1	1456.3
35°	3172.6	2803.6	2297.5	1751.7	1285.4	1267.0	1266.2	1298.6	1342.8	1380.4	1384.1
37.5°	3379.6	2960.4	2344.6	1622.8	1230.9	1241.2	1211.7	1230.9	1274.3	1311.9	1326.6
40°	3584.4	3119.6	2410.2	1458.5	1159.4	1183.7	1149.1	1162.4	1197.0	1246.3	1269.9
42.5°	3783.2	3263.2	2479.4	1290.5	1088.0	1103.4	1077.7	1090.9	1127.0	1188.9	1215.4
45°	3999.8	3457.7	2533.2	1132.2	1026.1	1019.5	998.8	1018.0	1072.5	1140.3	1172.0
47.5°	4409.4	3764.1	2568.6	1026.8	993.0	945.1	921.5	962.8	1024.6	1093.1	1131.4
50°	4909.5	4207.5	2558.3	959.8	964.2	868.5	860.4	914.9	981.2	1052.6	1094.6
52.5°	5305.8	4642.9	2441.1	895.7	908.2	819.9	796.3	875.8	939.2	1012.1	1055.6
55°	5608.6	4789.5	2081.7	819.9	816.9	784.5	735.1	835.3	897.2	965.0	1012.1
57.5°	5361.8	4463.1	1543.2	715.3	697.6	714.5	666.6	766.8	845.6	912.7	954.7
60°	4449.9	3558.6	859.6	633.5	583.4	624.6	617.3	694.6	789.6	860.4	896.5
62.5°	3020.9	2369.7	509.7	500.9	472.9	531.8	570.9	621.7	715.3	772.7	806.6
65°	1505.6	1151.3	338.8	374.9	378.6	437.5	511.2	567.2	645.3	704.2	738.1
67.5°	436.8	358.0	257.8	286.5	326.3	373.5	432.4	498.7	574.6	644.5	684.3
70°	188.6	190.8	204.8	238.7	277.7	326.3	385.2	450.1	514.2	567.9	598.1
72.5°	133.3	138.5	154.0	188.6	225.4	271.8	330.7	393.4	439.8	494.3	525.9
75°	85.4	89.1	101.7	128.2	155.4	200.4	256.3	313.8	361.7	400.7	430.9
77.5°	47.1	47.9	58.2	73.7	92.1	120.8	162.1	207.0	242.3	264.4	291.7
80°	27.3	27.3	32.4	42.0	53.0	70.7	93.5	115.6	137.0	151.0	164.3
82.5°	14.7	14.7	16.9	22.8	28.7	39.0	52.3	63.3	76.6	84.0	92.8
85°	4.4	4.4	5.9	8.1	10.3	14.7	20.6	26.5	32.4	37.6	42.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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°	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5
2.5°	1563.8	1553.5	1547.6	1540.3	1542.5	1535.8	1532.2	1534.4	1521.1	1534.4	1547.6
5°	1498.3	1483.5	1471.8	1462.2	1457.8	1448.9	1443.8	1443.8	1435.7	1448.9	1465.1
7.5°	1440.8	1429.0	1423.1	1417.2	1410.6	1402.5	1393.7	1390.7	1385.6	1399.6	1413.6
10°	1402.5	1404.0	1407.7	1415.8	1414.3	1409.1	1395.9	1388.5	1388.5	1404.7	1426.1
12.5°	1420.2	1435.7	1444.5	1459.2	1462.2	1457.8	1444.5	1438.6	1453.3	1477.6	1513.0
15°	1488.7	1499.0	1506.4	1518.2	1517.4	1513.7	1503.4	1507.8	1556.5	1603.6	1635.3
17.5°	1563.1	1551.3	1549.8	1557.2	1559.4	1555.0	1549.1	1569.0	1649.3	1693.5	1709.7
20°	1616.9	1576.4	1567.5	1570.5	1576.4	1574.1	1574.1	1606.6	1689.8	1710.4	1689.8
22.5°	1633.1	1575.6	1562.4	1563.1	1571.2	1571.9	1575.6	1609.5	1658.1	1658.9	1627.2
25°	1607.3	1552.0	1542.5	1543.9	1553.5	1552.8	1554.3	1573.4	1594.8	1585.9	1562.4
27.5°	1558.7	1510.8	1507.8	1516.0	1528.5	1521.8	1517.4	1522.6	1532.9	1521.8	1501.2
30°	1503.4	1462.9	1464.4	1479.9	1493.1	1482.1	1471.0	1474.0	1474.7	1462.9	1439.3
32.5°	1445.2	1415.0	1420.2	1436.4	1451.9	1440.1	1428.3	1426.8	1412.8	1398.8	1376.0
35°	1387.0	1375.3	1381.9	1395.1	1408.4	1398.8	1391.5	1387.0	1356.8	1336.2	1317.1
37.5°	1334.0	1342.8	1354.6	1362.7	1367.2	1366.4	1362.0	1351.7	1311.9	1287.6	1262.6
40°	1286.9	1314.1	1326.6	1330.3	1337.0	1335.5	1334.7	1320.0	1267.7	1241.9	1213.2
42.5°	1244.1	1282.4	1303.8	1307.5	1311.2	1311.9	1309.7	1288.3	1228.7	1198.5	1171.2
45°	1202.9	1253.0	1280.2	1276.6	1281.7	1281.7	1283.9	1255.9	1190.4	1159.4	1130.7
47.5°	1166.8	1225.7	1250.8	1246.3	1249.3	1251.5	1253.7	1221.3	1148.4	1118.9	1089.5
50°	1133.6	1196.3	1217.6	1219.1	1219.1	1224.3	1223.5	1191.8	1113.0	1081.3	1051.9
52.5°	1098.3	1166.1	1188.9	1198.5	1201.4	1203.6	1193.3	1156.5	1076.9	1038.6	1011.4
55°	1057.0	1135.1	1155.7	1168.3	1174.2	1172.7	1158.7	1121.1	1040.1	1001.8	970.9
57.5°	994.4	1068.8	1098.3	1104.2	1113.8	1107.9	1091.7	1060.0	981.2	942.9	911.2
60°	925.9	979.7	1003.3	1008.4	1001.1	1003.3	1001.1	970.9	902.4	872.2	839.7
62.5°	836.1	883.9	909.0	915.6	903.1	911.2	908.2	870.7	802.2	770.5	741.8
65°	768.3	820.6	850.1	853.7	850.1	853.7	843.4	797.8	732.9	700.5	671.1
67.5°	715.3	769.0	800.0	810.3	806.6	805.9	789.6	736.6	669.6	634.2	596.7
70°	623.9	671.1	710.8	735.9	735.9	721.9	690.9	641.6	587.8	557.6	528.2
72.5°	552.5	612.1	651.2	676.9	682.1	674.0	630.5	578.2	516.4	486.2	455.2
75°	455.2	513.4	555.4	589.3	595.9	587.1	537.0	485.4	428.0	398.5	367.6
77.5°	304.2	338.8	372.7	403.7	397.0	402.9	369.0	330.0	294.6	272.5	258.6
80°	171.6	194.5	204.8	221.7	221.7	221.7	199.6	181.2	161.3	148.8	134.8
82.5°	97.2	112.0	116.4	130.4	134.1	134.8	120.1	108.3	95.8	89.1	79.6
85°	44.9	53.0	53.8	61.9	64.8	70.7	64.1	56.0	48.6	45.7	39.8
87.5°	1.5	4.4	5.9	11.0	14.7	16.9	18.4	18.4	15.5	14.0	11.8
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: P634579

CATALOG NUMBER: GWS-SA3C-722-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5	1651.5
2.5°	1563.8	1581.5	1602.1	1616.9	1643.4	1665.5	1688.3	1713.4	1731.8	1727.4
5°	1485.0	1514.5	1552.0	1586.7	1636.0	1686.1	1741.4	1798.1	1831.2	1829.7
7.5°	1440.8	1482.8	1528.5	1574.9	1633.1	1705.3	1790.0	1878.4	1923.3	1925.5
10°	1464.4	1509.3	1540.3	1579.3	1640.4	1731.0	1832.7	1938.8	1990.3	2000.6
12.5°	1538.8	1535.1	1532.9	1560.9	1634.5	1749.5	1873.9	2000.6	2058.8	2071.4
15°	1609.5	1533.6	1488.0	1507.1	1608.0	1761.2	1914.5	2068.4	2134.0	2147.2
17.5°	1622.8	1507.8	1423.1	1436.4	1566.0	1764.9	1953.5	2134.7	2205.4	2217.9
20°	1585.9	1474.7	1376.0	1357.6	1513.0	1755.3	1977.8	2190.0	2267.3	2280.6
22.5°	1539.5	1445.2	1340.6	1292.8	1448.2	1745.8	2005.1	2248.1	2337.3	2349.1
25°	1490.9	1407.7	1307.5	1234.6	1374.5	1739.9	2050.7	2324.8	2432.3	2446.3
27.5°	1439.3	1362.0	1278.8	1206.6	1306.8	1747.2	2115.6	2448.5	2570.8	2590.7
30°	1384.1	1316.3	1260.3	1197.0	1260.3	1753.9	2187.0	2575.2	2718.8	2746.8
32.5°	1326.6	1274.3	1241.2	1201.4	1231.6	1738.4	2249.6	2717.4	2895.6	2919.9
35°	1269.2	1231.6	1216.9	1209.5	1193.3	1681.7	2300.4	2861.0	3097.5	3118.8
37.5°	1215.4	1187.4	1183.0	1191.1	1134.4	1588.9	2359.4	3043.7	3295.6	3328.0
40°	1165.3	1139.5	1138.8	1137.3	1069.6	1462.2	2438.9	3229.3	3490.8	3505.5
42.5°	1118.9	1086.5	1092.4	1074.7	1016.5	1325.2	2514.1	3387.7	3672.8	3683.1
45°	1077.7	1034.9	1041.6	1019.5	991.5	1181.5	2580.4	3574.8	3903.3	3909.9
47.5°	1037.9	992.2	973.8	972.3	987.1	1048.9	2645.2	3935.0	4264.3	4276.0
50°	1001.1	951.7	899.4	931.8	959.8	949.5	2726.2	4321.0	4637.0	4634.0
52.5°	965.7	900.9	826.5	889.1	889.1	875.8	2703.4	4555.2	4944.9	4995.7
55°	925.2	819.1	750.6	817.6	785.2	809.5	2299.0	4631.8	5138.6	5210.8
57.5°	844.9	718.2	658.5	694.6	646.0	750.6	1651.5	4251.7	4809.3	4937.5
60°	767.6	643.8	604.8	598.1	534.8	612.1	1070.3	3328.8	3958.6	4023.4
62.5°	676.9	579.7	546.6	495.7	430.2	445.7	648.2	2190.7	2659.9	2674.6
65°	608.4	525.2	461.9	401.5	352.1	323.4	383.0	1056.3	1329.6	1311.9
67.5°	522.3	450.1	389.7	346.2	305.7	269.6	254.9	313.8	355.0	343.3
70°	464.8	395.6	337.4	296.1	258.6	222.5	196.7	184.9	181.2	178.3
72.5°	400.7	340.3	279.9	240.1	204.8	171.6	148.1	134.1	130.4	127.4
75°	319.7	263.0	207.7	170.2	139.2	115.6	100.2	88.4	86.2	83.2
77.5°	211.4	168.7	123.8	100.9	82.5	70.0	59.7	52.3	50.8	49.4
80°	116.4	97.2	75.9	61.1	49.4	42.7	39.0	34.6	33.9	33.1
82.5°	69.2	58.2	43.5	34.6	28.7	25.8	23.6	21.4	20.6	19.9
85°	34.6	27.3	19.2	16.2	14.7	13.3	13.3	11.0	10.3	10.3
87.5°	8.8	7.4	4.4	3.7	3.7	3.7	2.9	2.2	2.2	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)