

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: P634575

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634575
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-SA3C-722-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT 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: 7998 lumens
Efficiency: N/A
Efficacy: 86.0 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

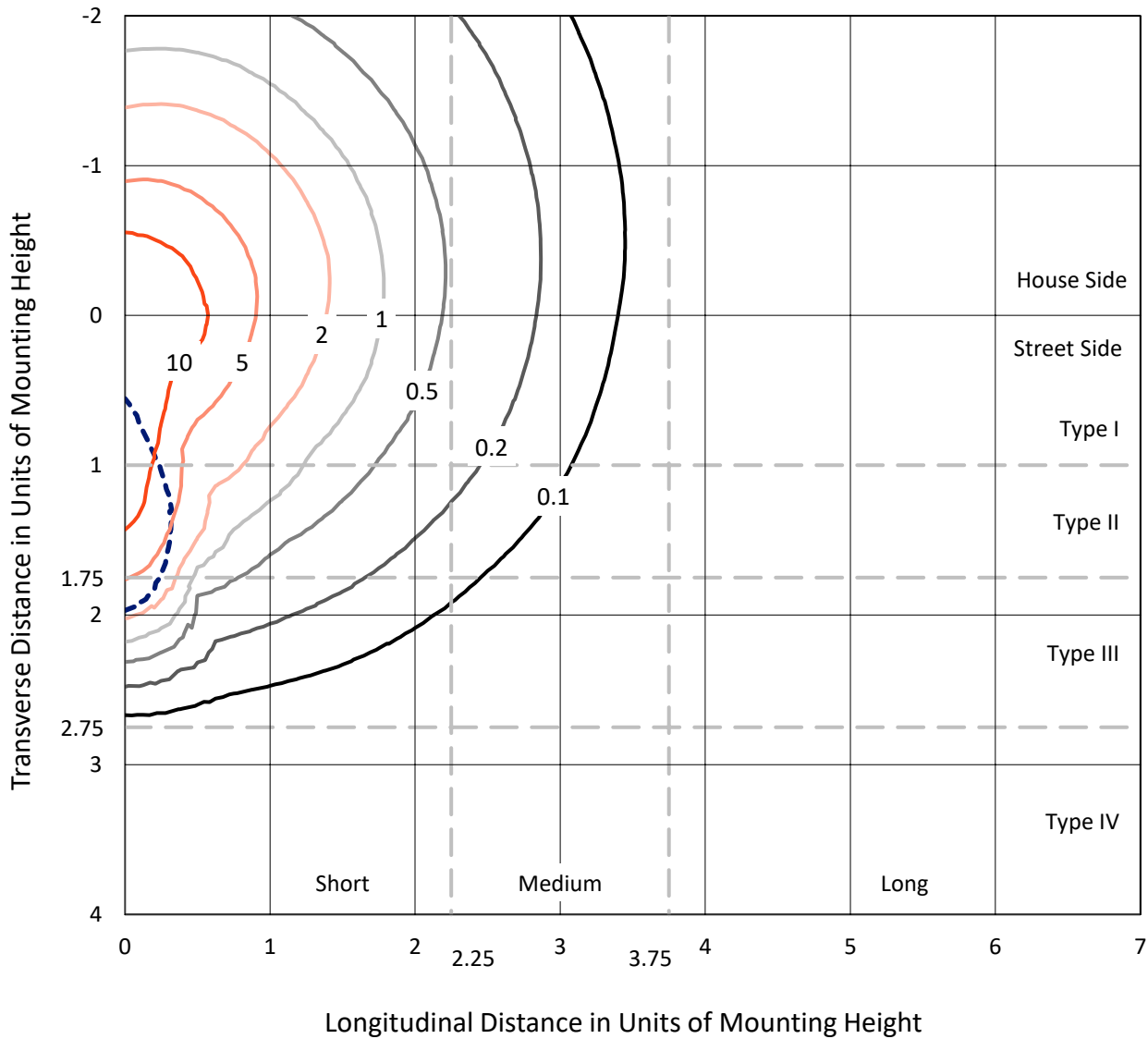
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

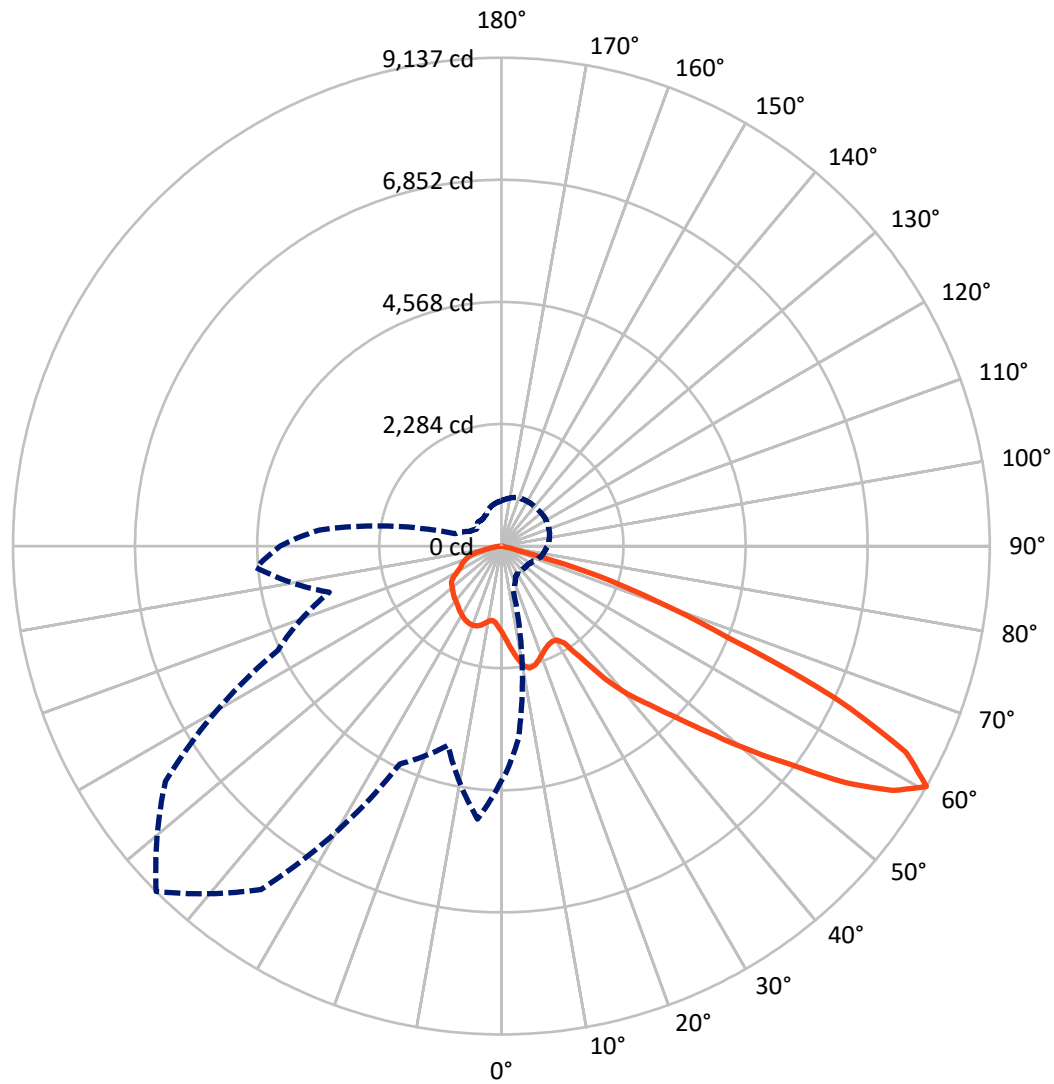
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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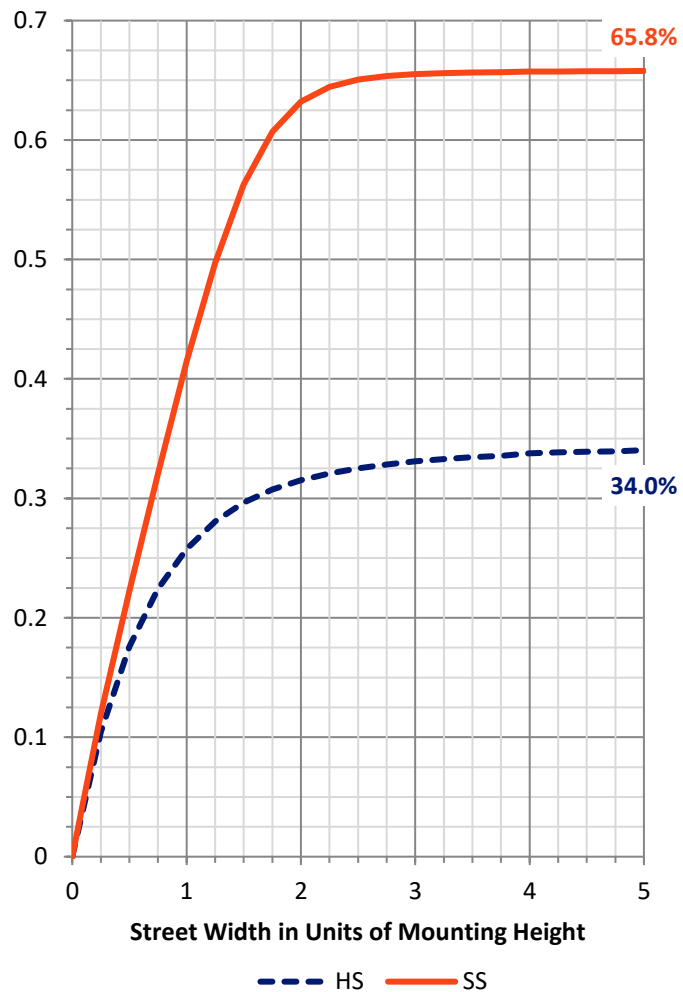
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2736.0	0.0	2736.0
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	5262.0	0.0	5262.0
	% Fixture	65.8	0.0	65.8
Total	Lumens	7998.0	0.0	7998.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.6	2.0
10°-20°	505.5	6.3
20°-30°	823.3	10.3
30°-40°	1156.5	14.5
40°-50°	1582.6	19.8
50°-60°	2030.3	25.4
60°-70°	1367.1	17.1
70°-80°	341.8	4.3
80°-90°	33.3	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°	7998.0	100.0
0°-180°	7998.0	100.0

Coefficient of Utilization



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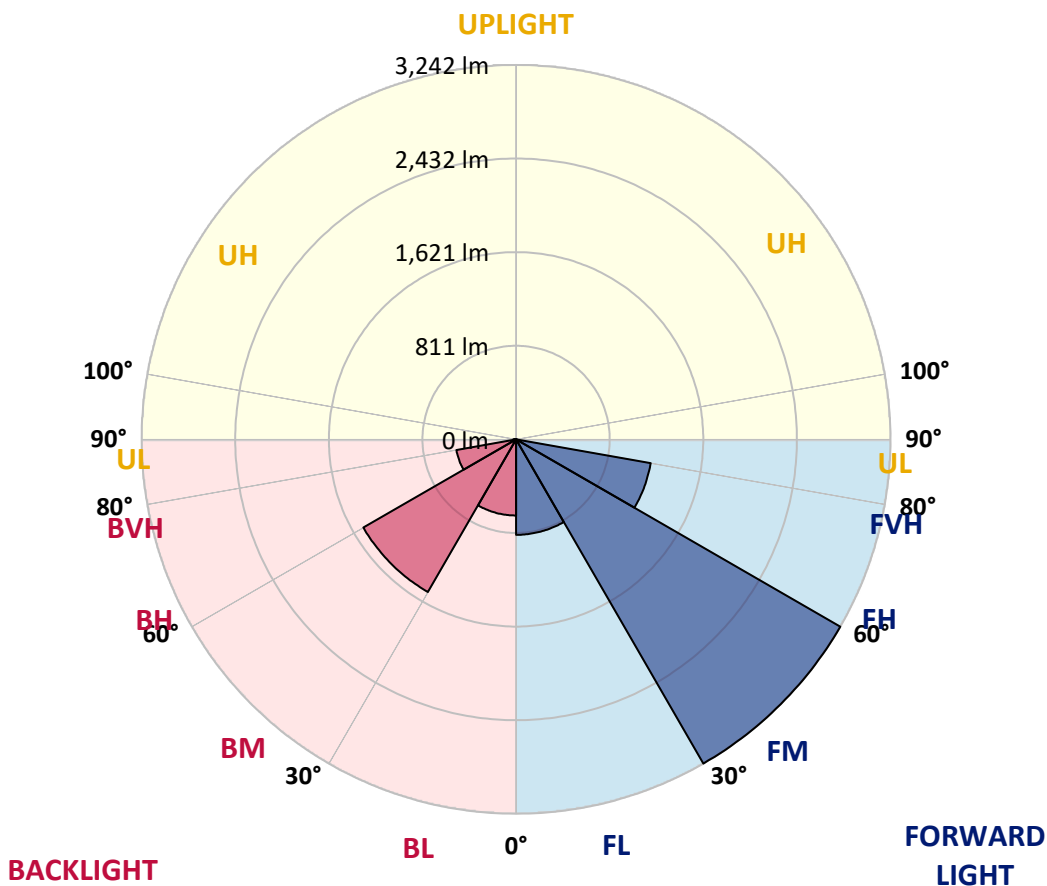
CATALOG NUMBER: GWS-SA3C-722-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	826.8	10.3			
FM (30°-60°)	3242.5	40.5			
FH (60°-80°)	1184.0	14.8			G1/1800
FVH (80°-90°)	8.7	0.1			G0/10
BL (0°-30°)	659.6	8.2	B2/1000		
BM (30°-60°)	1526.9	19.1	B2/2500		
BH (60°-80°)	524.9	6.6	B2/1000		G2/1000
BVH (80°-90°)	24.7	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°	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1
2.5°	1706.7	1703.0	1699.3	1670.6	1663.2	1642.6	1627.8	1609.4	1582.9	1568.2	1555.7
5°	1813.5	1807.6	1787.7	1728.8	1690.5	1648.5	1613.8	1575.5	1535.0	1508.5	1487.9
7.5°	1914.4	1912.9	1879.0	1781.8	1719.9	1659.5	1612.4	1556.4	1498.2	1458.4	1431.9
10°	2007.9	1996.9	1956.4	1829.7	1748.6	1679.4	1628.6	1566.7	1498.9	1445.2	1409.8
12.5°	2090.4	2076.4	2020.4	1873.9	1773.7	1688.2	1633.0	1582.2	1537.2	1492.3	1451.8
15°	2158.2	2141.2	2084.5	1915.1	1795.8	1683.1	1605.7	1566.0	1581.4	1601.3	1556.4
17.5°	2221.5	2203.8	2134.6	1945.3	1802.4	1651.4	1538.7	1521.8	1599.9	1690.5	1669.8
20°	2274.6	2254.7	2174.4	1960.0	1790.6	1591.0	1451.8	1481.3	1584.4	1692.7	1725.8
22.5°	2332.0	2315.8	2219.3	1981.4	1775.9	1507.8	1378.9	1451.1	1557.9	1652.9	1703.0
25°	2424.1	2404.2	2289.3	2019.0	1768.5	1429.7	1326.6	1421.6	1521.0	1607.2	1646.3
27.5°	2557.4	2520.6	2385.0	2084.5	1776.6	1356.0	1293.4	1385.5	1478.3	1552.0	1583.6
30°	2702.5	2658.3	2491.1	2152.3	1788.4	1311.1	1275.8	1344.3	1412.8	1486.4	1521.0
32.5°	2874.1	2835.1	2604.5	2203.1	1763.4	1290.5	1262.5	1299.3	1353.8	1412.8	1441.5
35°	3078.9	3008.9	2728.3	2244.4	1682.4	1260.3	1250.7	1250.0	1278.7	1336.2	1368.6
37.5°	3299.1	3224.0	2880.8	2288.6	1556.4	1212.4	1222.7	1191.8	1218.3	1264.0	1300.8
40°	3479.6	3400.8	3034.7	2349.0	1398.8	1137.3	1160.9	1127.7	1143.9	1191.1	1232.3
42.5°	3656.4	3572.4	3178.3	2417.5	1246.3	1063.6	1075.4	1062.9	1068.0	1117.4	1174.8
45°	3888.4	3794.1	3355.1	2466.1	1109.3	1005.4	994.4	973.0	1000.3	1064.4	1125.5
47.5°	4275.9	4163.2	3644.6	2497.7	1009.9	972.3	921.5	908.9	942.8	1014.3	1077.6
50°	4728.8	4631.6	4107.2	2496.3	935.5	944.3	850.8	839.7	895.7	967.9	1034.9
52.5°	5100.1	5001.4	4502.7	2422.6	874.3	884.6	809.5	778.6	855.2	922.2	989.2
55°	5399.9	5288.6	4684.7	2114.7	797.0	789.6	764.6	707.9	804.3	876.5	939.1
57.5°	5238.6	5106.0	4464.4	1608.0	717.4	671.0	687.2	645.2	735.1	825.7	886.1
60°	4392.2	4272.9	3626.9	855.9	631.2	560.5	594.4	601.0	659.2	764.6	826.4
62.5°	3017.0	2930.1	2458.0	519.3	497.9	450.1	503.1	551.0	594.4	683.5	737.3
65°	1476.1	1450.3	1229.4	332.9	348.4	363.9	416.9	475.1	539.2	617.3	674.0
67.5°	406.6	409.5	372.7	260.0	274.7	317.5	359.5	405.9	469.9	542.1	599.6
70°	179.0	181.9	187.8	200.3	228.3	267.4	310.8	358.7	417.6	478.0	533.3
72.5°	124.5	127.4	136.3	152.5	177.5	214.3	255.6	301.3	362.4	413.2	458.9
75°	76.6	78.8	86.9	100.9	117.9	145.8	186.4	228.3	282.1	328.5	369.0
77.5°	40.5	39.0	44.2	53.8	68.5	83.2	110.5	137.0	175.3	212.9	246.8
80°	22.1	21.4	24.3	29.5	33.9	45.7	64.1	81.8	103.9	125.2	143.6
82.5°	9.6	8.8	9.6	12.5	15.5	22.1	32.4	44.9	57.5	72.2	84.0
85°	0.0	0.0	0.0	0.7	3.7	5.9	11.0	16.2	23.6	32.4	39.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	6.6
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°	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1
2.5°	1548.3	1529.9	1528.4	1513.7	1515.1	1515.9	1501.2	1495.3	1500.4	1506.3	1503.4
5°	1480.5	1461.4	1453.3	1439.3	1437.8	1431.2	1425.3	1417.9	1423.1	1428.2	1431.2
7.5°	1421.6	1409.1	1403.9	1400.2	1401.7	1398.8	1387.0	1380.4	1379.6	1381.8	1384.8
10°	1402.4	1392.1	1398.8	1409.1	1416.4	1421.6	1409.1	1398.0	1387.7	1383.3	1383.3
12.5°	1443.7	1430.4	1443.7	1454.7	1469.5	1473.2	1459.2	1447.4	1443.7	1448.1	1457.0
15°	1535.0	1504.1	1503.4	1510.0	1521.8	1527.7	1514.4	1508.5	1508.5	1536.5	1558.6
17.5°	1626.4	1575.5	1554.2	1550.5	1557.9	1560.1	1549.0	1543.9	1557.1	1611.6	1652.9
20°	1690.5	1628.6	1582.2	1573.3	1575.5	1576.3	1567.4	1563.8	1582.9	1649.2	1683.8
22.5°	1683.8	1638.2	1581.4	1570.4	1574.1	1572.6	1564.5	1563.0	1578.5	1635.9	1652.2
25°	1638.2	1602.8	1554.9	1547.6	1553.4	1552.7	1544.6	1540.9	1547.6	1585.9	1587.3
27.5°	1585.9	1554.9	1513.7	1511.5	1521.0	1526.2	1512.2	1501.2	1498.9	1524.7	1518.8
30°	1523.2	1500.4	1467.3	1468.7	1486.4	1489.4	1472.4	1456.2	1451.8	1465.8	1457.7
32.5°	1448.9	1441.5	1423.8	1427.5	1444.4	1450.3	1432.6	1415.7	1410.6	1415.0	1398.0
35°	1385.5	1382.6	1384.0	1390.7	1405.4	1409.8	1395.1	1381.8	1374.5	1359.0	1336.9
37.5°	1320.0	1328.1	1349.4	1361.9	1370.0	1368.6	1360.5	1350.9	1339.1	1310.4	1283.1
40°	1258.8	1279.4	1317.7	1331.7	1334.7	1335.4	1329.5	1321.4	1306.7	1268.4	1237.5
42.5°	1211.7	1234.5	1285.3	1306.7	1308.2	1309.6	1303.7	1297.1	1276.5	1225.7	1195.5
45°	1162.3	1192.5	1252.2	1278.0	1276.5	1275.8	1270.6	1267.7	1243.3	1184.4	1151.3
47.5°	1120.3	1155.7	1219.8	1241.9	1241.1	1240.4	1236.7	1236.7	1212.4	1148.3	1110.8
50°	1079.1	1119.6	1186.6	1205.0	1206.5	1205.0	1203.6	1205.8	1177.1	1108.6	1071.7
52.5°	1034.2	1079.8	1149.8	1166.7	1175.6	1179.3	1179.3	1174.1	1140.2	1068.8	1028.3
55°	984.8	1028.3	1109.3	1132.1	1139.5	1146.1	1146.1	1135.8	1104.1	1031.9	988.5
57.5°	923.7	962.0	1026.1	1048.9	1066.6	1071.0	1071.0	1054.0	1028.3	959.0	923.7
60°	857.4	890.5	934.0	958.3	971.5	962.7	969.3	964.9	944.3	880.2	850.8
62.5°	769.0	802.9	850.8	875.8	881.7	872.8	881.7	881.0	853.0	795.5	760.2
65°	705.6	738.8	785.9	818.3	827.9	825.7	831.6	822.8	788.1	733.6	699.8
67.5°	630.5	665.9	720.4	756.5	776.4	778.6	786.7	768.3	732.9	673.2	630.5
70°	559.1	589.3	631.2	665.1	693.1	707.1	708.6	682.1	637.9	588.5	557.6
72.5°	483.9	514.9	565.7	602.5	637.9	654.1	654.1	621.7	573.8	519.3	486.1
75°	392.6	421.3	467.7	507.5	548.0	568.6	567.9	539.9	486.9	435.3	400.7
77.5°	265.9	287.3	316.7	346.9	352.8	369.0	377.1	341.8	312.3	284.3	253.4
80°	154.7	167.9	184.1	201.1	204.8	209.9	196.7	183.4	167.9	149.5	135.5
82.5°	90.6	99.4	107.5	120.8	123.0	124.5	112.7	106.8	94.3	83.2	74.4
85°	44.2	47.1	54.5	61.1	58.2	56.7	51.6	45.7	40.5	36.1	31.7
87.5°	8.8	8.8	13.3	12.5	10.3	8.8	5.2	6.6	1.5	1.5	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1
2.5°	1512.9	1525.5	1540.9	1561.6	1585.1	1610.2	1634.5	1652.9	1671.3	1698.6	1694.1
5°	1435.6	1457.0	1481.3	1512.9	1551.2	1594.7	1643.3	1691.9	1744.2	1788.4	1807.6
7.5°	1390.7	1414.2	1443.0	1484.2	1533.6	1586.6	1655.1	1733.9	1818.6	1876.8	1912.9
10°	1390.7	1420.9	1458.4	1498.2	1541.7	1596.2	1680.9	1779.6	1888.6	1965.2	2007.2
12.5°	1471.0	1501.2	1509.3	1507.8	1532.1	1592.5	1701.5	1827.5	1957.8	2038.9	2090.4
15°	1596.2	1606.5	1545.3	1489.4	1493.0	1566.0	1711.1	1865.8	2017.5	2114.7	2170.7
17.5°	1680.1	1652.9	1543.9	1445.9	1425.3	1521.0	1711.1	1902.6	2080.8	2190.6	2242.9
20°	1686.8	1619.0	1506.3	1403.9	1350.9	1461.4	1699.3	1930.6	2142.0	2263.5	2319.5
22.5°	1628.6	1561.6	1466.5	1367.8	1289.8	1389.2	1680.1	1951.9	2194.3	2332.0	2401.3
25°	1562.3	1506.3	1426.0	1331.0	1247.8	1316.3	1662.5	1988.0	2267.2	2424.8	2494.8
27.5°	1497.5	1450.3	1377.4	1300.1	1224.2	1252.9	1651.4	2041.1	2354.1	2556.7	2617.1
30°	1434.1	1391.4	1325.1	1270.6	1211.7	1211.7	1641.8	2102.2	2469.0	2704.7	2765.1
32.5°	1370.0	1329.5	1275.8	1241.9	1204.3	1195.5	1615.3	2159.7	2587.6	2866.8	2928.6
35°	1310.4	1269.9	1228.6	1214.6	1200.6	1182.9	1549.8	2204.6	2703.3	3056.1	3109.1
37.5°	1254.4	1215.4	1184.4	1180.7	1182.2	1149.1	1446.6	2242.2	2847.6	3249.8	3277.8
40°	1205.8	1162.3	1138.0	1137.3	1144.6	1094.6	1316.3	2295.9	3012.6	3414.1	3402.3
42.5°	1162.3	1116.7	1087.2	1093.8	1089.4	1040.1	1188.8	2345.3	3156.2	3568.0	3544.4
45°	1119.6	1075.4	1034.2	1043.7	1038.6	1006.2	1080.6	2381.4	3315.3	3752.9	3755.8
47.5°	1078.4	1034.9	993.6	981.9	981.1	995.9	997.3	2393.2	3574.6	4050.5	3983.4
50°	1040.1	996.6	953.9	914.1	929.6	975.2	935.5	2384.3	3962.8	4379.0	4191.9
52.5°	1000.3	959.0	911.9	840.4	881.0	925.9	880.2	2352.6	4200.0	4669.2	4557.2
55°	954.6	915.6	851.5	764.6	813.9	823.5	823.5	2046.2	4300.9	4956.5	5025.7
57.5°	893.5	841.9	740.3	670.3	714.5	677.7	763.1	1431.9	4134.4	4865.9	5134.7
60°	824.2	769.0	661.4	611.4	624.6	559.8	650.4	897.9	3426.6	4140.3	4605.8
62.5°	732.9	682.1	592.9	553.9	526.7	456.7	523.7	567.9	2349.0	3074.5	3392.0
65°	671.8	615.8	536.2	484.7	428.7	367.6	347.7	372.7	1263.2	1720.7	1935.0
67.5°	599.6	544.3	469.2	404.4	359.5	315.3	280.6	271.8	433.1	573.1	620.2
70°	531.1	478.0	415.4	355.0	310.1	266.6	232.8	208.5	200.3	198.9	195.9
72.5°	461.1	411.7	359.5	303.5	254.1	214.3	184.1	156.2	144.4	140.7	137.0
75°	377.9	338.8	286.5	226.1	186.4	149.5	126.0	107.5	97.2	93.5	89.1
77.5°	243.1	225.4	179.7	145.8	112.7	89.1	76.6	64.8	58.2	56.7	53.0
80°	129.6	120.8	99.4	84.0	67.0	54.5	47.9	41.2	37.6	36.1	34.6
82.5°	72.2	65.6	55.2	48.6	39.0	33.1	29.5	26.5	24.3	23.6	22.8
85°	32.4	28.0	22.1	20.6	18.4	16.9	16.2	14.7	14.0	13.3	12.5
87.5°	1.5	2.9	3.7	2.9	2.9	4.4	5.2	5.2	4.4	4.4	3.7
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: P634575

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1
2.5°	1721.4	1743.5	1745.7	1753.1	1743.5	1741.3	1725.8	1717.0	1708.9	1706.7
5°	1855.4	1899.6	1917.3	1929.8	1918.1	1912.2	1878.3	1842.9	1823.0	1813.5
7.5°	1993.2	2059.5	2094.1	2109.6	2111.0	2084.5	2026.3	1960.0	1926.9	1914.4
10°	2116.2	2198.0	2243.6	2273.1	2262.8	2230.4	2150.8	2061.0	2019.0	2007.9
12.5°	2207.5	2285.6	2321.0	2340.1	2339.4	2321.7	2246.6	2149.3	2101.5	2090.4
15°	2266.5	2312.9	2315.1	2319.5	2332.0	2355.6	2316.5	2226.7	2173.6	2158.2
17.5°	2312.9	2294.4	2259.8	2248.0	2276.0	2341.6	2365.2	2292.2	2234.8	2221.5
20°	2342.3	2249.5	2188.4	2165.5	2198.0	2304.8	2394.6	2351.2	2291.5	2274.6
22.5°	2365.2	2207.5	2108.8	2093.4	2127.2	2265.0	2424.8	2421.1	2355.6	2332.0
25°	2401.3	2179.5	2052.9	2041.8	2073.5	2245.8	2465.3	2516.2	2458.0	2424.1
27.5°	2458.0	2176.6	2024.1	2020.4	2063.9	2262.8	2523.5	2655.4	2582.5	2557.4
30°	2536.8	2204.6	2030.8	2038.1	2091.2	2323.9	2614.1	2814.5	2741.6	2702.5
32.5°	2650.2	2279.7	2131.7	2163.3	2202.4	2421.9	2746.7	2986.8	2931.6	2874.1
35°	2799.7	2486.0	2430.0	2564.8	2527.9	2636.2	2906.5	3196.0	3129.0	3078.9
37.5°	2999.4	2908.8	2960.3	3145.9	3056.8	3041.3	3101.7	3386.1	3349.2	3299.1
40°	3279.3	3297.7	3392.7	3636.5	3507.6	3408.2	3341.1	3529.0	3541.5	3479.6
42.5°	3464.9	3549.6	3778.7	4055.6	3878.1	3640.2	3541.5	3711.6	3712.4	3656.4
45°	3534.1	3755.8	4234.6	4553.5	4256.7	3772.8	3652.0	3959.9	3952.5	3888.4
47.5°	3509.1	3929.7	4708.2	5195.8	4742.8	3867.0	3636.5	4313.4	4373.1	4275.9
50°	3456.8	4104.2	5261.4	5982.5	5339.5	3967.2	3612.9	4705.3	4804.0	4728.8
52.5°	3509.8	4298.7	5915.5	6795.7	6087.8	4127.1	3772.0	5208.4	5190.7	5100.1
55°	3677.7	4528.5	6710.2	7817.3	6909.9	4397.4	4180.8	5687.9	5508.1	5399.9
57.5°	3669.6	4692.8	7407.1	8625.4	7625.1	4619.1	4323.0	5738.7	5375.6	5238.6
60°	3330.8	4617.6	7672.2	9136.5	7840.9	4496.8	3855.3	5125.9	4535.9	4392.2
62.5°	2486.0	4097.6	7158.1	8496.5	7230.3	3884.0	2899.2	3679.2	3259.4	3017.0
65°	1590.3	3205.6	6017.9	6883.3	5959.7	2970.6	1726.5	1972.6	1545.3	1476.1
67.5°	676.9	2262.8	4678.0	4600.7	4458.5	1924.7	666.6	555.4	414.0	406.6
70°	223.9	1539.5	2883.7	3068.6	2662.7	1325.8	220.2	186.4	185.6	179.0
72.5°	146.6	826.4	1623.4	1807.6	1713.3	763.1	133.3	124.5	127.4	124.5
75°	87.7	179.7	273.3	355.0	273.3	128.2	80.3	78.8	80.3	76.6
77.5°	51.6	50.1	48.6	48.6	47.9	44.2	40.5	39.0	39.8	40.5
80°	33.1	31.7	30.2	29.5	25.8	24.3	22.8	21.4	21.4	22.1
82.5°	21.4	19.9	18.4	16.2	13.3	11.0	10.3	8.8	8.8	9.6
85°	11.0	8.8	6.6	5.2	2.9	1.5	0.0	0.0	0.0	0.0
87.5°	2.2	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)