

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: P634300

Luminaire Tested: GWS-SA3B-740-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634300
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-SA3B-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8096.3 lumens
Efficiency: N/A
Efficacy: 118.5 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

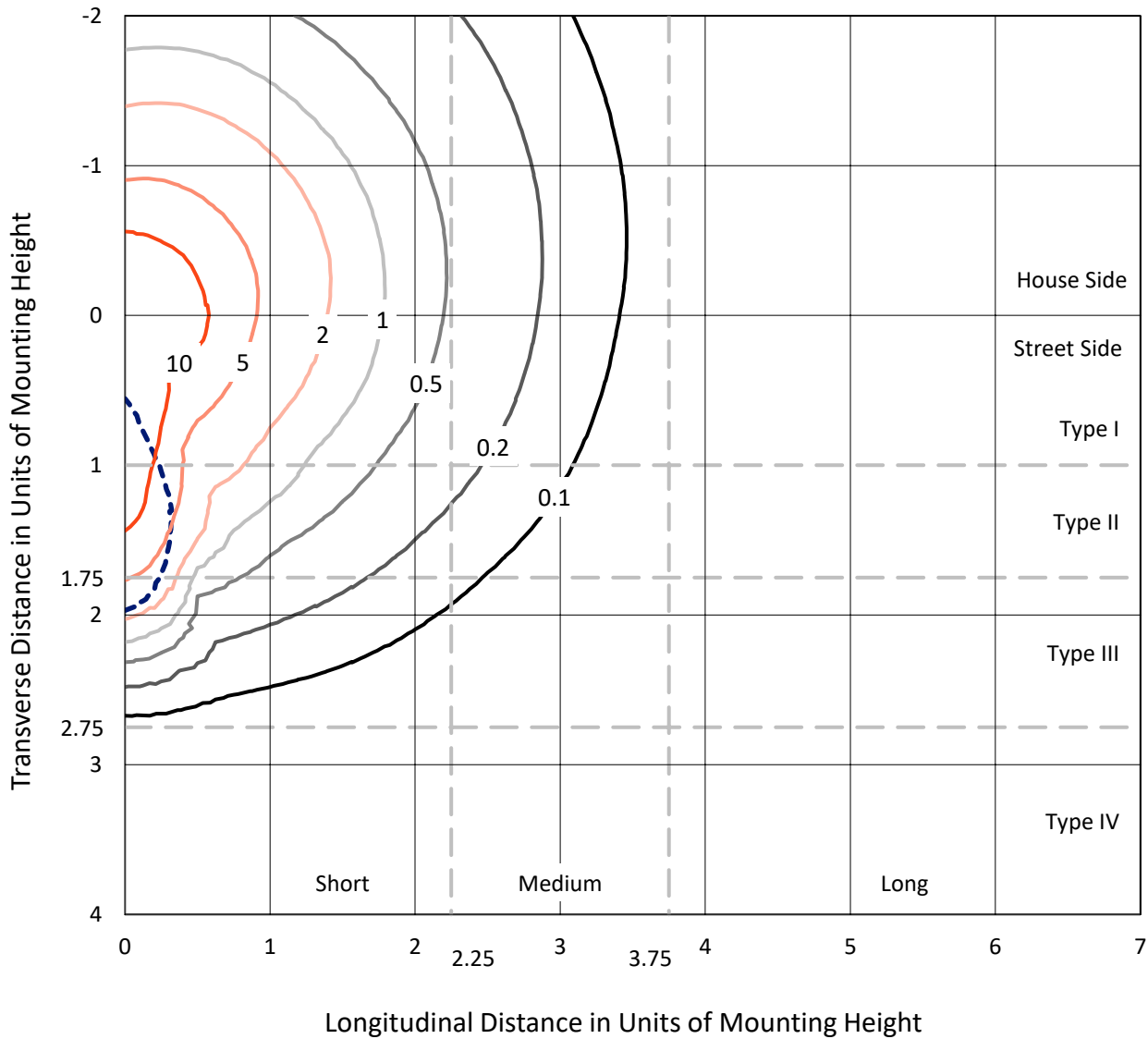
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

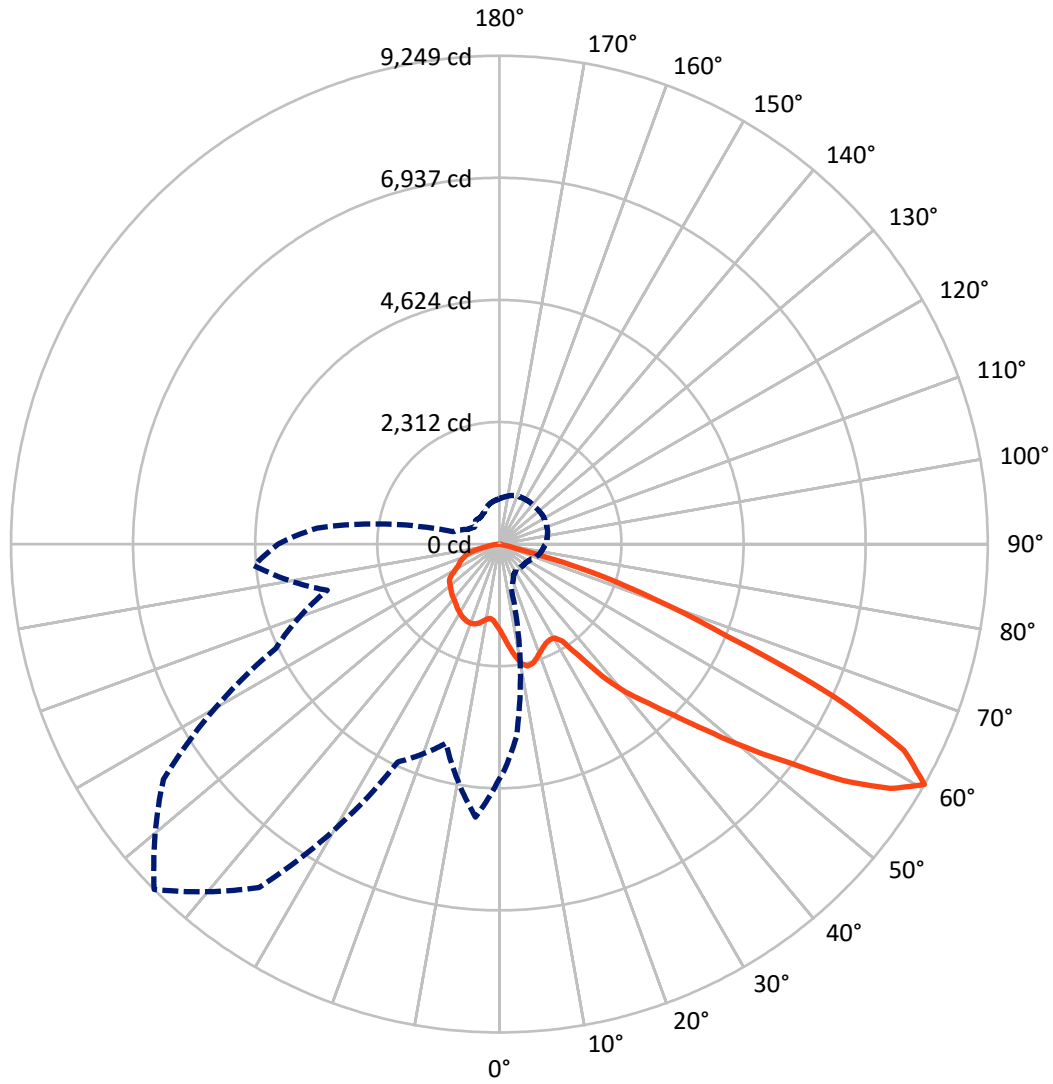
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.7 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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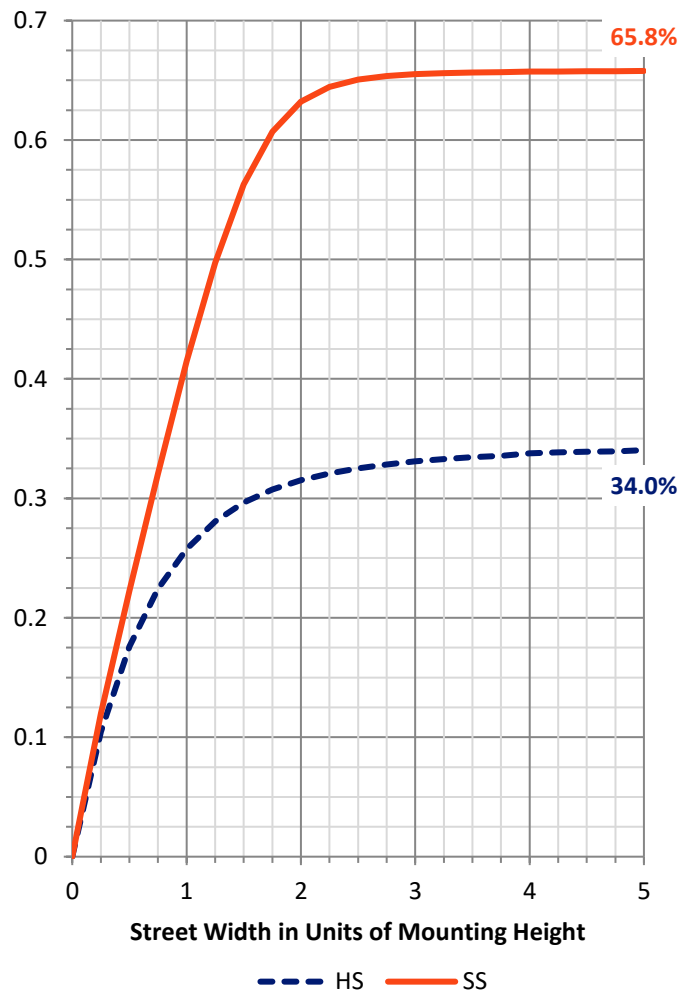
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2769.7	0.0	2769.7
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	5326.6	0.0	5326.6
	% Fixture	65.8	0.0	65.8
Total	Lumens	8096.3	0.0	8096.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	2.0
10°-20°	511.7	6.3
20°-30°	833.4	10.3
30°-40°	1170.7	14.5
40°-50°	1602.0	19.8
50°-60°	2055.3	25.4
60°-70°	1383.9	17.1
70°-80°	346.0	4.3
80°-90°	33.7	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°	8096.3	100.0
0°-180°	8096.3	100.0

Coefficient of Utilization



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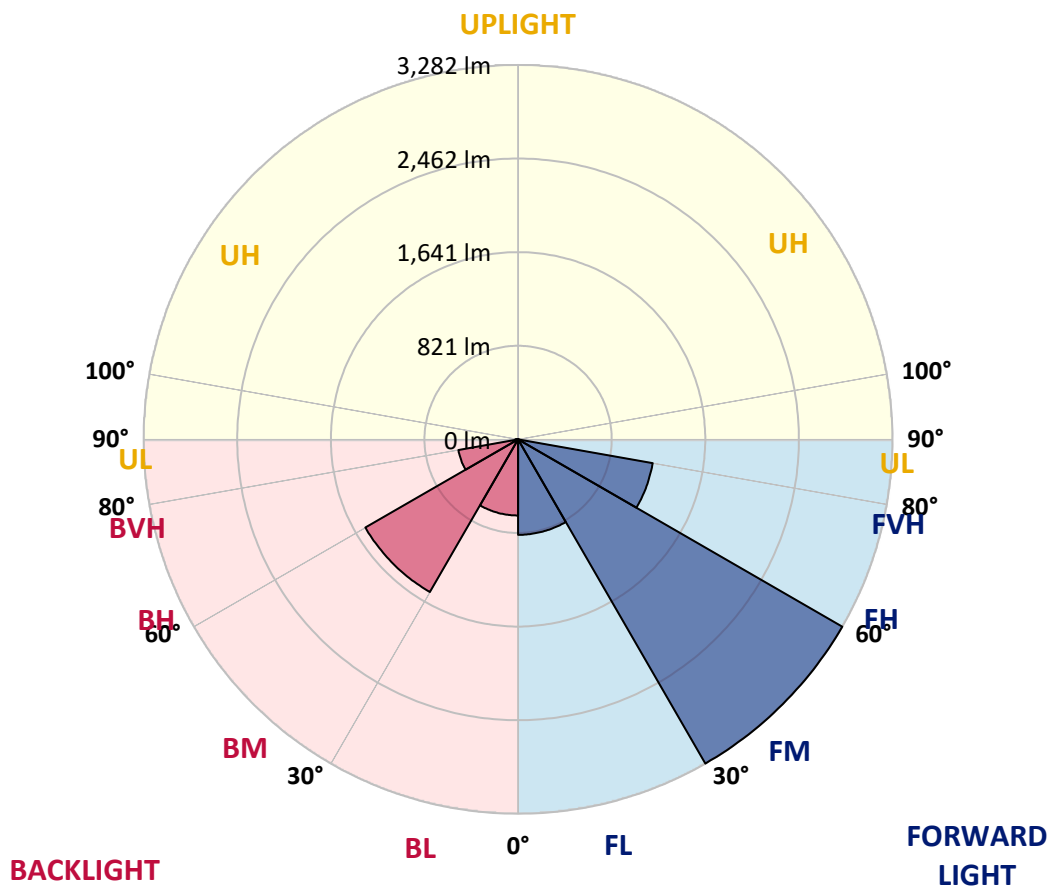
CATALOG NUMBER: GWS-SA3B-740-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	837.0	10.3			
FM (30°-60°)	3282.3	40.5			
FH (60°-80°)	1198.6	14.8			G1/1800
FVH (80°-90°)	8.8	0.1			G0/10
BL (0°-30°)	667.7	8.2	B2/1000		
BM (30°-60°)	1545.7	19.1	B2/2500		
BH (60°-80°)	531.3	6.6	B2/1000		G2/1000
BVH (80°-90°)	25.0	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°	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9
2.5°	1727.6	1723.9	1720.2	1691.1	1683.6	1662.8	1647.9	1629.2	1602.4	1587.5	1574.8
5°	1835.8	1829.8	1809.7	1750.0	1711.2	1668.7	1633.7	1594.9	1553.9	1527.1	1506.2
7.5°	1937.9	1936.4	1902.1	1803.7	1741.1	1679.9	1632.2	1575.5	1516.6	1476.4	1449.5
10°	2032.6	2021.4	1980.4	1852.2	1770.1	1700.0	1648.6	1586.0	1517.4	1462.9	1427.1
12.5°	2116.1	2101.9	2045.3	1896.9	1795.5	1709.0	1653.1	1601.6	1556.1	1510.7	1469.6
15°	2184.7	2167.6	2110.1	1938.6	1817.9	1703.8	1625.5	1585.2	1600.9	1621.0	1575.5
17.5°	2248.8	2230.9	2160.8	1969.2	1824.6	1671.7	1557.6	1540.5	1619.5	1711.2	1690.4
20°	2302.5	2282.4	2201.1	1984.1	1812.6	1610.6	1469.6	1499.5	1603.9	1713.5	1747.0
22.5°	2360.7	2344.3	2246.6	2005.8	1797.7	1526.3	1395.8	1468.9	1577.0	1673.2	1723.9
25°	2453.9	2433.7	2317.4	2043.8	1790.3	1447.3	1342.9	1439.1	1539.7	1627.0	1666.5
27.5°	2588.8	2551.6	2414.4	2110.1	1798.5	1372.7	1309.3	1402.5	1496.5	1571.1	1603.1
30°	2735.7	2691.0	2521.7	2178.7	1810.4	1327.2	1291.4	1360.8	1430.1	1504.7	1539.7
32.5°	2909.5	2869.9	2636.6	2230.2	1785.0	1306.4	1278.0	1315.3	1370.5	1430.1	1459.2
35°	3116.7	3045.9	2761.8	2271.9	1703.0	1275.8	1266.1	1265.3	1294.4	1352.6	1385.4
37.5°	3339.7	3263.6	2916.2	2316.7	1575.5	1227.3	1237.8	1206.4	1233.3	1279.5	1316.8
40°	3522.4	3442.6	3072.0	2377.8	1416.0	1151.3	1175.1	1141.6	1158.0	1205.7	1247.4
42.5°	3701.3	3616.3	3217.4	2447.2	1261.6	1076.7	1088.6	1075.9	1081.2	1131.1	1189.3
45°	3936.2	3840.8	3396.4	2496.4	1122.9	1017.8	1006.6	985.0	1012.6	1077.4	1139.3
47.5°	4328.4	4214.3	3689.4	2528.4	1022.3	984.2	932.8	920.1	954.4	1026.7	1090.9
50°	4787.0	4688.5	4157.7	2527.0	947.0	955.9	861.2	850.0	906.7	979.8	1047.6
52.5°	5162.8	5062.9	4558.1	2452.4	885.1	895.5	819.5	788.1	865.7	933.5	1001.4
55°	5466.2	5353.6	4742.2	2140.7	806.8	799.3	774.0	716.6	814.2	887.3	950.7
57.5°	5302.9	5168.7	4519.3	1627.7	726.2	679.3	695.7	653.2	744.1	835.9	897.0
60°	4446.2	4325.4	3671.5	866.4	639.0	567.4	601.7	608.4	667.3	774.0	836.6
62.5°	3054.1	2966.1	2488.2	525.7	504.0	455.6	509.3	557.7	601.7	691.9	746.4
65°	1494.2	1468.2	1244.5	337.0	352.7	368.3	422.0	480.9	545.8	624.8	682.3
67.5°	411.6	414.6	377.3	263.2	278.1	321.4	363.9	410.8	475.7	548.8	606.9
70°	181.2	184.2	190.1	202.8	231.1	270.7	314.7	363.1	422.8	483.9	539.8
72.5°	126.0	129.0	137.9	154.3	179.7	217.0	258.7	305.0	366.9	418.3	464.5
75°	77.5	79.8	88.0	102.2	119.3	147.6	188.6	231.1	285.6	332.6	373.6
77.5°	41.0	39.5	44.7	54.4	69.3	84.3	111.8	138.7	177.5	215.5	249.8
80°	22.4	21.6	24.6	29.8	34.3	46.2	64.9	82.8	105.1	126.8	145.4
82.5°	9.7	8.9	9.7	12.7	15.7	22.4	32.8	45.5	58.2	73.1	85.0
85°	0.0	0.0	0.0	0.7	3.7	6.0	11.2	16.4	23.9	32.8	40.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	6.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9
2.5°	1567.3	1548.7	1547.2	1532.3	1533.8	1534.5	1519.6	1513.6	1518.9	1524.8	1521.8
5°	1498.7	1479.3	1471.1	1457.0	1455.5	1448.8	1442.8	1435.3	1440.6	1445.8	1448.8
7.5°	1439.1	1426.4	1421.2	1417.4	1418.9	1416.0	1404.0	1397.3	1396.6	1398.8	1401.8
10°	1419.7	1409.2	1416.0	1426.4	1433.9	1439.1	1426.4	1415.2	1404.8	1400.3	1400.3
12.5°	1461.4	1448.0	1461.4	1472.6	1487.5	1491.3	1477.1	1465.2	1461.4	1465.9	1474.9
15°	1553.9	1522.6	1521.8	1528.5	1540.5	1546.4	1533.0	1527.1	1527.1	1555.4	1577.8
17.5°	1646.4	1594.9	1573.3	1569.6	1577.0	1579.3	1568.1	1562.8	1576.3	1631.4	1673.2
20°	1711.2	1648.6	1601.6	1592.7	1594.9	1595.7	1586.7	1583.0	1602.4	1669.5	1704.5
22.5°	1704.5	1658.3	1600.9	1589.7	1593.4	1591.9	1583.7	1582.2	1597.9	1656.1	1672.5
25°	1658.3	1622.5	1574.0	1566.6	1572.5	1571.8	1563.6	1559.9	1566.6	1605.3	1606.8
27.5°	1605.3	1574.0	1532.3	1530.0	1539.7	1545.0	1530.8	1519.6	1517.4	1543.5	1537.5
30°	1542.0	1518.9	1485.3	1486.8	1504.7	1507.7	1490.5	1474.1	1469.6	1483.8	1475.6
32.5°	1466.7	1459.2	1441.3	1445.0	1462.2	1468.2	1450.3	1433.1	1427.9	1432.4	1415.2
35°	1402.5	1399.6	1401.0	1407.8	1422.7	1427.1	1412.2	1398.8	1391.4	1375.7	1353.3
37.5°	1336.2	1344.4	1366.0	1378.7	1386.9	1385.4	1377.2	1367.5	1355.6	1326.5	1298.9
40°	1274.3	1295.2	1333.9	1348.1	1351.1	1351.8	1345.9	1337.7	1322.8	1284.0	1252.7
42.5°	1226.6	1249.7	1301.1	1322.8	1324.2	1325.7	1319.8	1313.1	1292.2	1240.7	1210.2
45°	1176.6	1207.2	1267.6	1293.7	1292.2	1291.4	1286.2	1283.2	1258.6	1199.0	1165.4
47.5°	1134.1	1169.9	1234.8	1257.1	1256.4	1255.6	1251.9	1251.9	1227.3	1162.4	1124.4
50°	1092.4	1133.4	1201.2	1219.9	1221.3	1219.9	1218.4	1220.6	1191.5	1122.2	1084.9
52.5°	1046.9	1093.1	1163.9	1181.1	1190.0	1193.8	1193.8	1188.5	1154.2	1081.9	1040.9
55°	996.9	1040.9	1122.9	1146.0	1153.5	1160.2	1160.2	1149.8	1117.7	1044.6	1000.6
57.5°	935.0	973.8	1038.7	1061.8	1079.7	1084.2	1084.2	1067.0	1040.9	970.8	935.0
60°	867.9	901.5	945.5	970.1	983.5	974.5	981.3	976.8	955.9	891.0	861.2
62.5°	778.4	812.7	861.2	886.6	892.5	883.6	892.5	891.8	863.4	805.3	769.5
65°	714.3	747.9	795.6	828.4	838.1	835.9	841.8	832.9	797.8	742.7	708.4
67.5°	638.3	674.1	729.2	765.8	785.9	788.1	796.3	777.7	741.9	681.5	638.3
70°	565.9	596.5	639.0	673.3	701.6	715.8	717.3	690.5	645.7	595.8	564.4
72.5°	489.9	521.2	572.6	609.9	645.7	662.1	662.1	629.3	580.8	525.7	492.1
75°	397.4	426.5	473.5	513.7	554.8	575.6	574.9	546.5	492.9	440.7	405.6
77.5°	269.2	290.8	320.6	351.2	357.2	373.6	381.8	346.0	316.1	287.8	256.5
80°	156.6	170.0	186.4	203.6	207.3	212.5	199.1	185.7	170.0	151.4	137.2
82.5°	91.7	100.7	108.9	122.3	124.5	126.0	114.1	108.1	95.4	84.3	75.3
85°	44.7	47.7	55.2	61.9	58.9	57.4	52.2	46.2	41.0	36.5	32.1
87.5°	8.9	8.9	13.4	12.7	10.4	8.9	5.2	6.7	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°	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9
2.5°	1531.5	1544.2	1559.9	1580.7	1604.6	1630.0	1654.6	1673.2	1691.8	1719.4	1715.0
5°	1453.2	1474.9	1499.5	1531.5	1570.3	1614.3	1663.5	1712.7	1765.7	1810.4	1829.8
7.5°	1407.8	1431.6	1460.7	1502.5	1552.4	1606.1	1675.4	1755.2	1841.0	1899.9	1936.4
10°	1407.8	1438.3	1476.4	1516.6	1560.6	1615.8	1701.5	1801.5	1911.8	1989.4	2031.9
12.5°	1489.0	1519.6	1527.8	1526.3	1550.9	1612.1	1722.4	1849.9	1981.9	2063.9	2116.1
15°	1615.8	1626.2	1564.3	1507.7	1511.4	1585.2	1732.1	1888.7	2042.3	2140.7	2197.4
17.5°	1700.8	1673.2	1562.8	1463.7	1442.8	1539.7	1732.1	1926.0	2106.4	2217.5	2270.5
20°	1707.5	1638.9	1524.8	1421.2	1367.5	1479.3	1720.2	1954.3	2168.3	2291.3	2348.0
22.5°	1648.6	1580.7	1484.6	1384.6	1305.6	1406.3	1700.8	1975.9	2221.2	2360.7	2430.8
25°	1581.5	1524.8	1443.5	1347.4	1263.1	1332.4	1682.9	2012.5	2295.1	2454.6	2525.5
27.5°	1515.9	1468.2	1394.3	1316.0	1239.2	1268.3	1671.7	2066.2	2383.0	2588.1	2649.2
30°	1451.7	1408.5	1341.4	1286.2	1226.6	1226.6	1662.0	2128.0	2499.4	2738.0	2799.1
32.5°	1386.9	1345.9	1291.4	1257.1	1219.1	1210.2	1635.2	2186.2	2619.4	2902.0	2964.6
35°	1326.5	1285.5	1243.7	1229.5	1215.4	1197.5	1568.8	2231.7	2736.5	3093.6	3147.3
37.5°	1269.8	1230.3	1199.0	1195.3	1196.7	1163.2	1464.4	2269.7	2882.6	3289.7	3318.1
40°	1220.6	1176.6	1152.0	1151.3	1158.7	1108.0	1332.4	2324.1	3049.6	3456.0	3444.1
42.5°	1176.6	1130.4	1100.6	1107.3	1102.8	1052.8	1203.5	2374.1	3195.0	3611.8	3588.0
45°	1133.4	1088.6	1046.9	1056.6	1051.3	1018.5	1093.8	2410.6	3356.1	3799.0	3802.0
47.5°	1091.6	1047.6	1005.9	993.9	993.2	1008.1	1009.6	2422.6	3618.6	4100.2	4032.4
50°	1052.8	1008.8	965.6	925.3	941.0	987.2	947.0	2413.6	4011.5	4432.8	4243.4
52.5°	1012.6	970.8	923.1	850.8	891.8	937.3	891.0	2381.6	4251.6	4726.6	4613.2
55°	966.3	926.8	862.0	774.0	823.9	833.6	833.6	2071.4	4353.8	5017.4	5087.5
57.5°	904.5	852.3	749.4	678.5	723.3	686.0	772.5	1449.5	4185.2	4925.7	5197.8
60°	834.4	778.4	669.6	618.9	632.3	566.7	658.4	908.9	3468.7	4191.2	4662.4
62.5°	741.9	690.5	600.2	560.7	533.1	462.3	530.1	574.9	2377.8	3112.3	3433.6
65°	680.0	623.3	542.8	490.6	434.0	372.1	351.9	377.3	1278.8	1741.8	1958.8
67.5°	606.9	551.0	475.0	409.4	363.9	319.1	284.1	275.1	438.4	580.1	627.8
70°	537.6	483.9	420.5	359.4	313.9	269.9	235.6	211.0	202.8	201.3	198.3
72.5°	466.8	416.8	363.9	307.2	257.2	217.0	186.4	158.1	146.1	142.4	138.7
75°	382.5	343.0	290.1	228.9	188.6	151.4	127.5	108.9	98.4	94.7	90.2
77.5°	246.1	228.2	181.9	147.6	114.1	90.2	77.5	65.6	58.9	57.4	53.7
80°	131.2	122.3	100.7	85.0	67.9	55.2	48.5	41.8	38.0	36.5	35.0
82.5°	73.1	66.4	55.9	49.2	39.5	33.6	29.8	26.8	24.6	23.9	23.1
85°	32.8	28.3	22.4	20.9	18.6	17.1	16.4	14.9	14.2	13.4	12.7
87.5°	1.5	3.0	3.7	3.0	3.0	4.5	5.2	5.2	4.5	4.5	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: P634300

CATALOG NUMBER: GWS-SA3B-740-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9	1632.9
2.5°	1742.5	1764.9	1767.2	1774.6	1764.9	1762.7	1747.0	1738.1	1729.9	1727.6
5°	1878.3	1923.0	1940.9	1953.6	1941.6	1935.7	1901.4	1865.6	1845.4	1835.8
7.5°	2017.7	2084.8	2119.8	2135.5	2137.0	2110.1	2051.2	1984.1	1950.6	1937.9
10°	2142.2	2225.0	2271.2	2301.0	2290.6	2257.8	2177.3	2086.3	2043.8	2032.6
12.5°	2234.7	2313.7	2349.5	2368.9	2368.1	2350.2	2274.2	2175.8	2127.3	2116.1
15°	2294.3	2341.3	2343.5	2348.0	2360.7	2384.5	2345.0	2254.1	2200.4	2184.7
17.5°	2341.3	2322.6	2287.6	2275.7	2304.0	2370.4	2394.2	2320.4	2262.3	2248.8
20°	2371.1	2277.2	2215.3	2192.2	2225.0	2333.1	2424.1	2380.1	2319.7	2302.5
22.5°	2394.2	2234.7	2134.7	2119.1	2153.4	2292.8	2454.6	2450.9	2384.5	2360.7
25°	2430.8	2206.3	2078.1	2066.9	2099.0	2273.4	2495.6	2547.1	2488.2	2453.9
27.5°	2488.2	2203.3	2049.0	2045.3	2089.3	2290.6	2554.5	2688.0	2614.2	2588.8
30°	2568.0	2231.7	2055.7	2063.2	2116.9	2352.5	2646.3	2849.1	2775.2	2735.7
32.5°	2682.8	2307.7	2157.9	2189.9	2229.4	2451.6	2780.5	3023.5	2967.6	2909.5
35°	2834.2	2516.5	2459.8	2596.3	2559.0	2668.6	2942.3	3235.3	3167.5	3116.7
37.5°	3036.2	2944.5	2996.7	3184.6	3094.4	3078.7	3139.9	3427.7	3390.4	3339.7
40°	3319.6	3338.2	3434.4	3681.2	3550.7	3450.0	3382.2	3572.3	3585.0	3522.4
42.5°	3507.5	3593.2	3825.1	4105.5	3925.8	3684.9	3585.0	3757.2	3758.0	3701.3
45°	3577.6	3802.0	4286.6	4609.5	4309.0	3819.1	3696.9	4008.5	4001.1	3936.2
47.5°	3552.2	3978.0	4766.1	5259.7	4801.1	3914.6	3681.2	4366.4	4426.8	4328.4
50°	3499.3	4154.7	5326.1	6056.0	5405.1	4016.0	3657.3	4763.1	4863.0	4787.0
52.5°	3552.9	4351.5	5988.2	6879.2	6162.7	4177.8	3818.4	5272.4	5254.5	5162.8
55°	3722.9	4584.2	6792.7	7913.4	6994.8	4451.4	4232.2	5757.8	5575.8	5466.2
57.5°	3714.7	4750.4	7498.1	8731.4	7718.8	4675.9	4376.1	5809.2	5441.6	5302.9
60°	3371.8	4674.4	7766.5	9248.8	7937.3	4552.1	3902.6	5188.9	4591.6	4446.2
62.5°	2516.5	4148.0	7246.1	8600.9	7319.1	3931.7	2934.8	3724.4	3299.4	3054.1
65°	1609.8	3245.0	6091.8	6967.9	6032.9	3007.1	1747.8	1996.8	1564.3	1494.2
67.5°	685.2	2290.6	4735.5	4657.2	4513.3	1948.3	674.8	562.2	419.0	411.6
70°	226.7	1558.4	2919.2	3106.3	2695.5	1342.1	222.9	188.6	187.9	181.2
72.5°	148.4	836.6	1643.4	1829.8	1734.3	772.5	135.0	126.0	129.0	126.0
75°	88.7	181.9	276.6	359.4	276.6	129.7	81.3	79.8	81.3	77.5
77.5°	52.2	50.7	49.2	49.2	48.5	44.7	41.0	39.5	40.3	41.0
80°	33.6	32.1	30.6	29.8	26.1	24.6	23.1	21.6	21.6	22.4
82.5°	21.6	20.1	18.6	16.4	13.4	11.2	10.4	8.9	8.9	9.7
85°	11.2	8.9	6.7	5.2	3.0	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)