

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: P634304

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634304
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-SA3B-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8138 lumens
Efficiency: N/A
Efficacy: 119.2 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

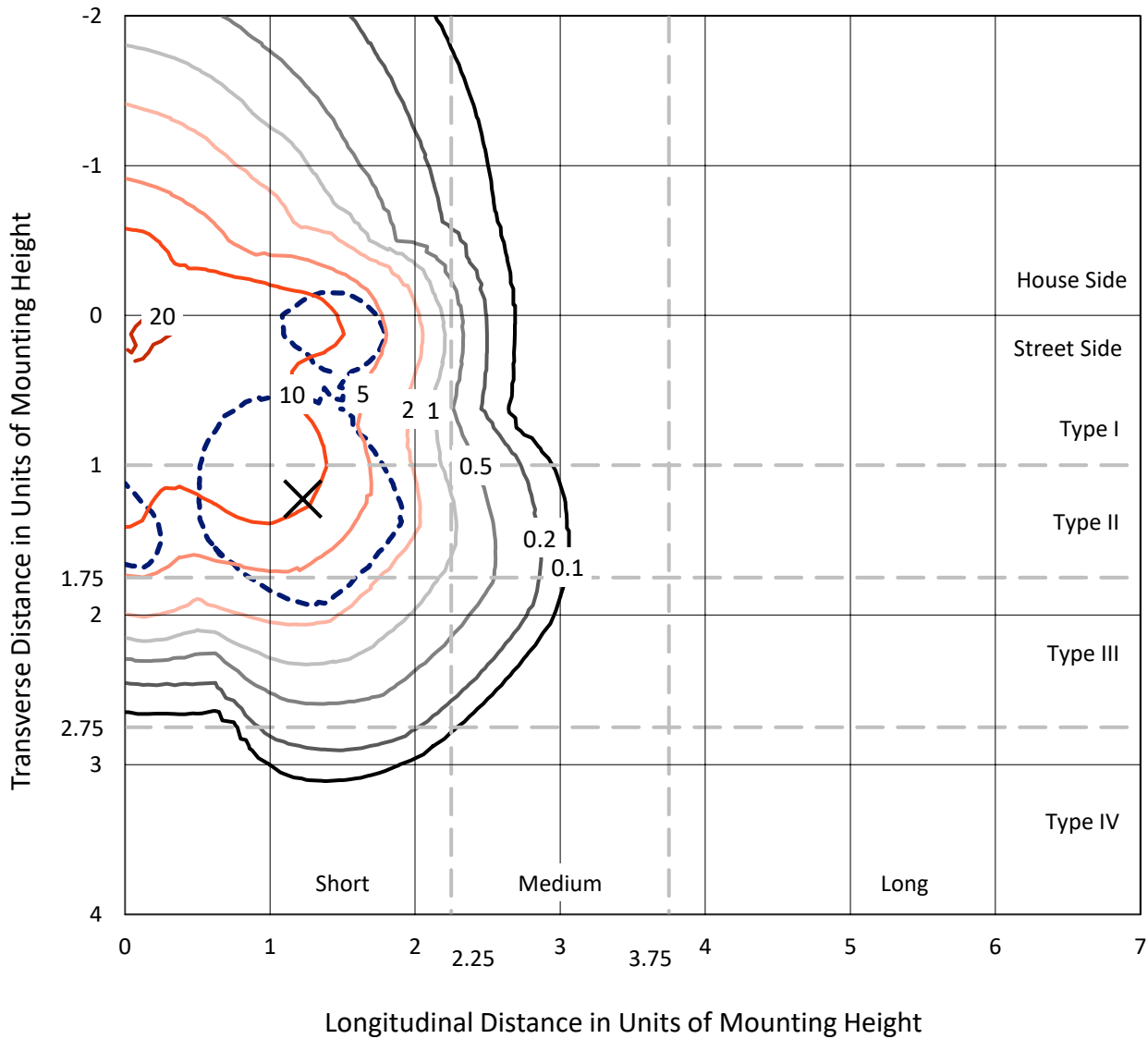
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634304
 CATALOG NUMBER: GWS-SA3B-740-U-SLR-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

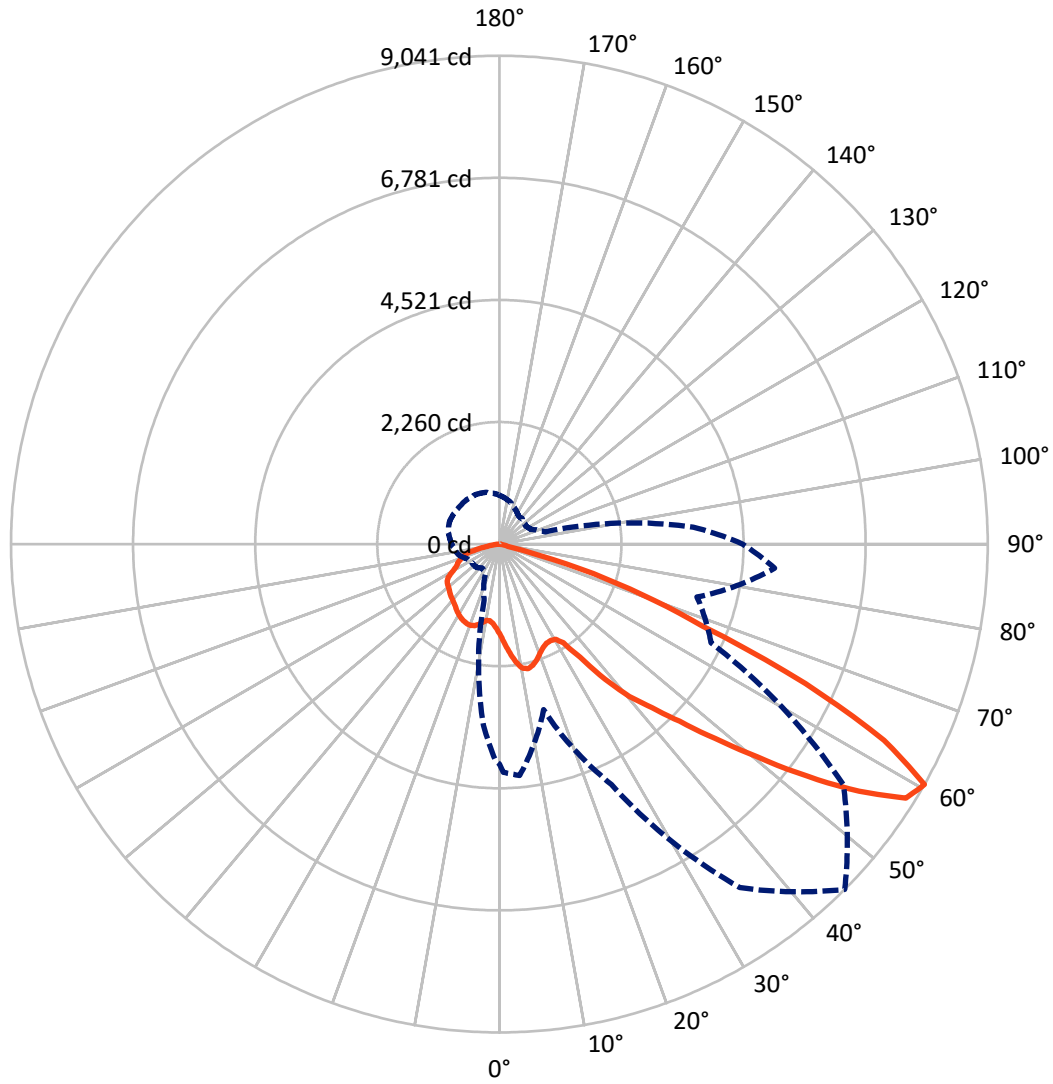
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.3 fc
 Type III - Short - N/A

REPORT NUMBER: P634304
CATALOG NUMBER: GWS-SA3B-740-U-SLR-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634304

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

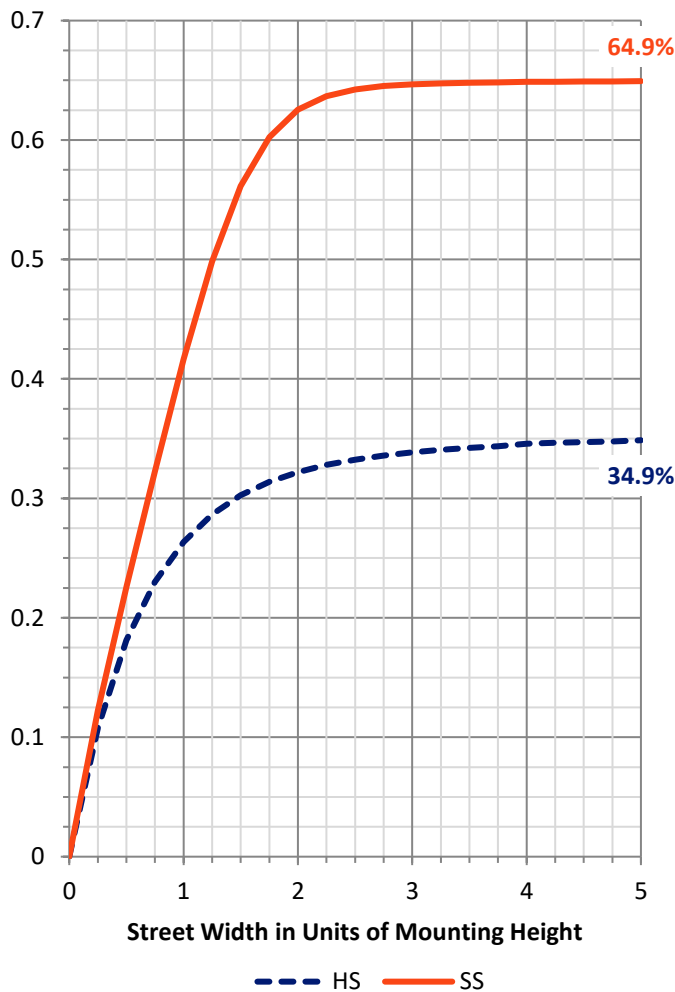
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2852.7	0.0	2852.7
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	5285.3	0.0	5285.3
	% Fixture	64.9	0.0	64.9
Total	Lumens	8138.0	0.0	8138.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.1	2.0
10°-20°	515.4	6.3
20°-30°	837.3	10.3
30°-40°	1180.8	14.5
40°-50°	1631.8	20.1
50°-60°	2100.6	25.8
60°-70°	1331.0	16.4
70°-80°	341.5	4.2
80°-90°	36.5	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°	8138.0	100.0
0°-180°	8138.0	100.0

Coefficient of Utilization



REPORT NUMBER: P634304

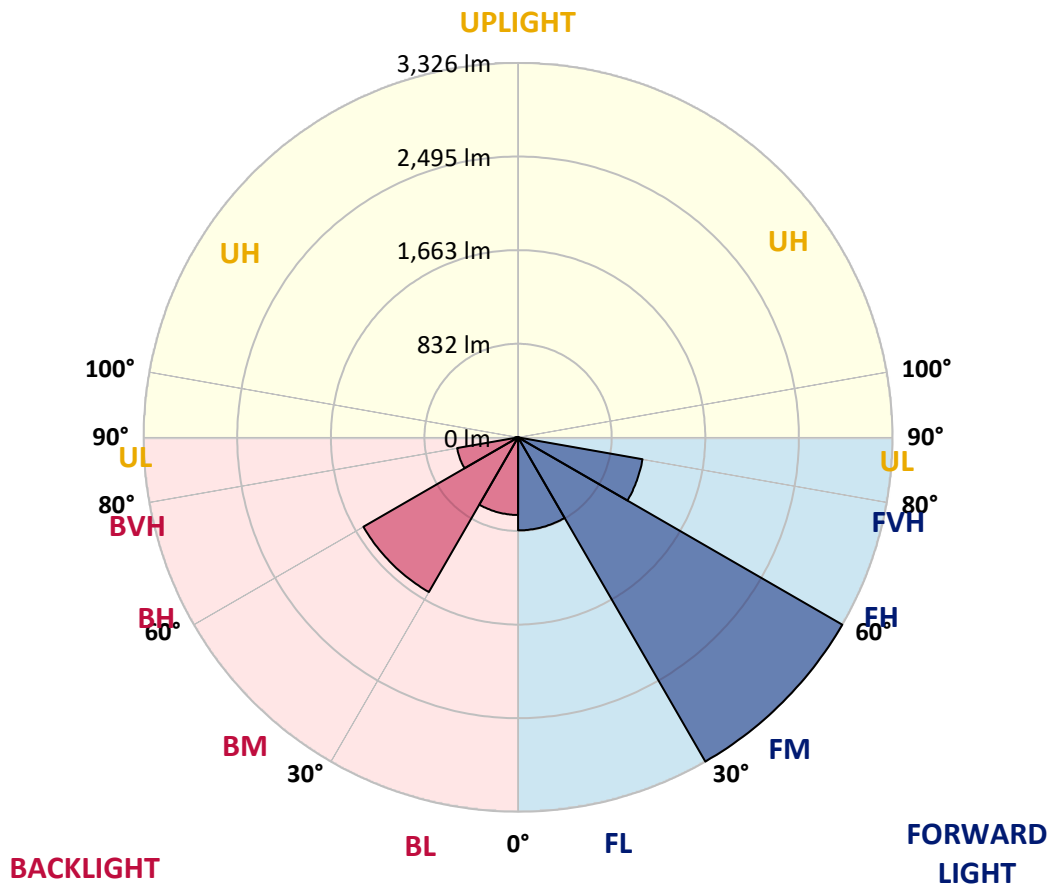
CATALOG NUMBER: GWS-SA3B-740-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	826.3	10.2			
FM (30°-60°)	3326.3	40.9			
FH (60°-80°)	1122.8	13.8			G1/1800
FVH (80°-90°)	9.9	0.1			G0/10
BL (0°-30°)	689.5	8.5	B2/1000		
BM (30°-60°)	1586.8	19.5	B2/2500		
BH (60°-80°)	549.7	6.8	B2/1000		G2/1000
BVH (80°-90°)	26.6	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





REPORT NUMBER: P634304

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

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8
2.5°	1748.6	1760.5	1768.0	1782.1	1807.5	1821.7	1837.3	1820.2	1824.6	1822.4	1794.8
5°	1852.2	1866.4	1885.8	1927.5	1974.5	2000.6	2025.2	2021.5	1998.4	1959.6	1932.0
7.5°	1949.2	1965.6	1999.1	2067.0	2136.3	2176.6	2206.4	2187.0	2167.7	2106.5	2037.2
10°	2025.2	2034.9	2080.4	2171.4	2251.9	2297.4	2333.9	2329.5	2302.6	2234.0	2140.8
12.5°	2096.8	2103.5	2152.7	2243.7	2316.0	2336.2	2366.0	2375.7	2366.7	2315.3	2223.6
15°	2173.6	2186.3	2231.8	2301.1	2333.9	2313.1	2323.5	2350.3	2375.7	2375.7	2291.4
17.5°	2245.2	2256.4	2302.6	2332.4	2301.1	2245.9	2248.9	2283.2	2343.6	2407.0	2353.3
20°	2308.6	2319.0	2364.5	2336.2	2237.0	2156.5	2154.2	2196.0	2293.7	2427.1	2419.7
22.5°	2377.9	2392.8	2430.9	2339.2	2177.3	2075.2	2074.4	2117.7	2249.7	2447.3	2495.7
25°	2476.4	2499.5	2518.9	2365.3	2145.3	2022.2	2031.9	2073.0	2235.5	2480.1	2608.3
27.5°	2622.5	2641.1	2639.7	2419.7	2143.8	2000.6	2020.8	2068.5	2260.9	2538.2	2726.9
30°	2780.6	2790.3	2774.6	2495.7	2178.1	2014.0	2043.9	2100.5	2325.0	2634.4	2901.4
32.5°	2955.8	2967.8	2937.9	2609.8	2257.9	2113.2	2178.8	2206.4	2415.2	2773.1	3086.3
35°	3157.2	3180.3	3118.4	2760.5	2492.8	2474.9	2570.3	2534.5	2606.8	2937.2	3283.9
37.5°	3368.9	3369.7	3280.9	2983.4	2953.6	2984.2	3175.0	3063.2	3013.2	3119.9	3485.2
40°	3548.6	3544.2	3407.7	3283.9	3354.8	3476.3	3706.7	3535.2	3404.0	3365.2	3652.3
42.5°	3728.3	3711.9	3574.0	3474.8	3631.4	3881.2	4141.4	3931.2	3654.5	3588.1	3817.1
45°	3958.0	3952.8	3786.5	3550.9	3881.2	4334.6	4679.8	4339.0	3802.9	3717.9	4091.5
47.5°	4328.6	4303.2	3993.8	3544.9	4115.3	4938.5	5374.8	4852.8	3906.5	3720.9	4534.4
50°	4691.0	4659.7	4241.3	3544.2	4356.9	5564.9	6195.0	5476.9	4012.4	3738.8	4984.8
52.5°	5057.1	5057.1	4647.7	3628.4	4610.5	6264.3	7142.7	6254.6	4192.9	3972.9	5538.8
55°	5274.8	5333.0	5104.8	3770.8	4907.2	7087.6	8080.0	7094.3	4471.8	4395.7	6050.3
57.5°	4998.2	5107.1	5074.3	3671.7	5082.5	7692.3	8874.9	7731.1	4609.7	4445.7	5973.5
60°	4072.8	4224.2	4299.5	3170.6	4909.5	7762.4	9041.2	7772.8	4324.9	3785.7	5116.8
62.5°	2707.5	2832.0	2946.9	2265.3	4250.3	6983.2	7996.5	6985.4	3612.0	2825.3	3544.9
65°	1328.0	1420.5	1544.3	1339.2	3320.5	5834.8	6234.5	5644.7	2612.8	1581.6	1808.2
67.5°	347.5	373.6	390.7	519.7	2378.7	4192.1	4066.1	4128.8	1678.5	516.7	472.8
70°	180.5	181.9	181.2	214.8	1607.7	2664.3	2802.2	2592.7	1171.4	216.2	186.4
72.5°	129.0	129.7	127.5	144.7	776.2	1526.4	1581.6	1564.4	613.7	128.3	127.5
75°	84.3	85.0	83.5	85.0	117.1	173.7	160.3	168.5	102.2	81.3	81.3
77.5°	50.0	50.7	50.0	51.5	50.0	50.0	46.2	46.2	44.0	44.0	44.7
80°	33.6	33.6	32.8	34.3	31.3	31.3	29.8	29.1	26.8	26.1	26.1
82.5°	20.1	20.9	20.1	20.1	18.6	18.6	17.2	16.4	14.2	14.2	13.4
85°	10.4	10.4	9.7	9.7	8.2	7.5	6.0	6.0	4.5	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



REPORT NUMBER: P634304

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8
2.5°	1787.4	1772.4	1750.1	1728.5	1708.3	1687.4	1663.6	1639.0	1618.1	1596.5	1585.3
5°	1895.5	1864.9	1806.7	1755.3	1709.1	1671.0	1630.0	1595.0	1562.2	1535.3	1521.9
7.5°	1993.2	1945.4	1857.5	1776.2	1713.5	1661.3	1604.7	1552.5	1508.5	1475.7	1463.0
10°	2083.4	2026.7	1911.1	1808.2	1735.2	1677.0	1607.7	1536.8	1478.7	1435.4	1425.0
12.5°	2156.5	2091.6	1953.6	1834.3	1747.8	1685.2	1624.1	1562.9	1505.5	1449.6	1440.6
15°	2221.3	2144.5	1985.7	1850.7	1743.4	1663.6	1612.1	1604.7	1604.7	1541.3	1523.4
17.5°	2277.3	2193.0	2011.8	1858.2	1715.0	1599.5	1568.1	1633.0	1706.1	1660.6	1620.3
20°	2341.4	2239.2	2033.4	1858.2	1662.8	1518.2	1515.2	1625.6	1733.7	1734.4	1691.9
22.5°	2406.3	2292.9	2058.8	1851.5	1591.3	1424.2	1479.4	1595.7	1691.9	1732.9	1703.8
25°	2511.4	2367.5	2099.1	1846.3	1507.7	1360.1	1447.3	1556.2	1637.5	1680.7	1662.1
27.5°	2644.9	2465.9	2160.2	1854.5	1425.0	1322.1	1413.0	1504.8	1578.6	1616.6	1603.2
30°	2794.0	2579.3	2225.8	1868.6	1365.3	1302.7	1372.0	1445.8	1511.5	1549.5	1543.5
32.5°	2984.2	2702.3	2282.5	1849.3	1331.8	1293.0	1328.8	1381.7	1445.1	1469.0	1474.2
35°	3211.6	2838.0	2325.7	1773.2	1301.2	1282.5	1281.8	1314.6	1359.3	1397.4	1401.1
37.5°	3421.1	2996.8	2373.5	1642.7	1246.0	1256.4	1226.6	1246.0	1290.0	1328.0	1342.9
40°	3628.4	3157.9	2439.8	1476.4	1173.7	1198.3	1163.2	1176.7	1211.7	1261.7	1285.5
42.5°	3829.7	3303.3	2509.9	1306.4	1101.3	1117.0	1090.9	1104.3	1140.9	1203.5	1230.3
45°	4049.0	3500.2	2564.3	1146.1	1038.7	1032.0	1011.1	1030.5	1085.7	1154.3	1186.4
47.5°	4463.6	3810.4	2600.1	1039.5	1005.2	956.7	932.8	974.6	1037.2	1106.6	1145.3
50°	4969.9	4259.2	2589.7	971.6	976.1	879.1	870.9	926.1	993.2	1065.6	1108.1
52.5°	5371.0	4699.9	2471.1	906.7	919.4	829.9	806.1	886.6	950.7	1024.5	1068.5
55°	5677.5	4848.3	2107.3	829.9	826.9	794.1	744.2	845.6	908.2	976.8	1024.5
57.5°	5427.7	4518.0	1562.2	724.0	706.1	723.3	674.8	776.2	856.0	923.9	966.4
60°	4504.6	3602.3	870.2	641.3	590.6	632.3	624.9	703.2	799.4	870.9	907.5
62.5°	3058.0	2398.8	516.0	507.1	478.7	538.4	577.9	629.3	724.0	782.2	816.5
65°	1524.1	1165.5	343.0	379.5	383.3	442.9	517.5	574.2	653.2	712.9	747.2
67.5°	442.2	362.4	261.0	290.1	330.3	378.1	437.7	504.8	581.6	652.5	692.7
70°	190.9	193.1	207.3	241.6	281.1	330.3	390.0	455.6	520.5	574.9	605.5
72.5°	135.0	140.2	155.8	190.9	228.2	275.2	334.8	398.2	445.2	500.3	532.4
75°	86.5	90.2	102.9	129.7	157.3	202.8	259.5	317.7	366.1	405.6	436.2
77.5°	47.7	48.5	58.9	74.6	93.2	122.3	164.0	209.5	245.3	267.7	295.3
80°	27.6	27.6	32.8	42.5	53.7	71.6	94.7	117.1	138.7	152.9	166.3
82.5°	14.9	14.9	17.2	23.1	29.1	39.5	52.9	64.1	77.5	85.0	94.0
85°	4.5	4.5	6.0	8.2	10.4	14.9	20.9	26.8	32.8	38.0	43.2
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



REPORT NUMBER: P634304

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

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8
2.5°	1583.0	1572.6	1566.6	1559.2	1561.4	1554.7	1551.0	1553.2	1539.8	1553.2	1566.6
5°	1516.7	1501.8	1489.8	1480.1	1475.7	1466.7	1461.5	1461.5	1453.3	1466.7	1483.1
7.5°	1458.5	1446.6	1440.6	1434.7	1428.0	1419.7	1410.8	1407.8	1402.6	1416.8	1430.9
10°	1419.7	1421.2	1425.0	1433.2	1431.7	1426.5	1413.0	1405.6	1405.6	1422.0	1443.6
12.5°	1437.6	1453.3	1462.3	1477.2	1480.1	1475.7	1462.3	1456.3	1471.2	1495.8	1531.6
15°	1507.0	1517.4	1524.9	1536.8	1536.1	1532.3	1521.9	1526.4	1575.6	1623.3	1655.4
17.5°	1582.3	1570.4	1568.9	1576.3	1578.6	1574.1	1568.1	1588.3	1669.5	1714.3	1730.7
20°	1636.7	1595.7	1586.8	1589.8	1595.7	1593.5	1593.5	1626.3	1710.6	1731.4	1710.6
22.5°	1653.1	1595.0	1581.6	1582.3	1590.5	1591.3	1595.0	1629.3	1678.5	1679.2	1647.2
25°	1627.0	1571.1	1561.4	1562.9	1572.6	1571.9	1573.4	1592.7	1614.4	1605.4	1581.6
27.5°	1577.8	1529.4	1526.4	1534.6	1547.3	1540.5	1536.1	1541.3	1551.7	1540.5	1519.7
30°	1521.9	1480.9	1482.4	1498.0	1511.5	1500.3	1489.1	1492.1	1492.8	1480.9	1457.0
32.5°	1463.0	1432.4	1437.6	1454.0	1469.7	1457.8	1445.8	1444.4	1430.2	1416.0	1392.9
35°	1404.1	1392.2	1398.9	1412.3	1425.7	1416.0	1408.6	1404.1	1373.5	1352.6	1333.3
37.5°	1350.4	1359.3	1371.3	1379.5	1384.0	1383.2	1378.7	1368.3	1328.0	1303.4	1278.1
40°	1302.7	1330.3	1342.9	1346.7	1353.4	1351.9	1351.1	1336.2	1283.3	1257.2	1228.1
42.5°	1259.4	1298.2	1319.8	1323.6	1327.3	1328.0	1325.8	1304.2	1243.8	1213.2	1185.6
45°	1217.7	1268.4	1296.0	1292.2	1297.5	1297.5	1299.7	1271.4	1205.0	1173.7	1144.6
47.5°	1181.1	1240.8	1266.1	1261.7	1264.6	1266.9	1269.1	1236.3	1162.5	1132.7	1102.8
50°	1147.6	1211.0	1232.6	1234.1	1234.1	1239.3	1238.6	1206.5	1126.7	1094.6	1064.8
52.5°	1111.8	1180.4	1203.5	1213.2	1216.2	1218.4	1208.0	1170.7	1090.2	1051.4	1023.8
55°	1070.0	1149.1	1170.0	1182.6	1188.6	1187.1	1172.9	1134.9	1052.9	1014.1	982.8
57.5°	1006.6	1082.0	1111.8	1117.8	1127.4	1121.5	1105.1	1073.0	993.2	954.5	922.4
60°	937.3	991.7	1015.6	1020.8	1013.4	1015.6	1013.4	982.8	913.4	882.9	850.1
62.5°	846.3	894.8	920.2	926.9	914.2	922.4	919.4	881.4	812.0	780.0	750.9
65°	777.7	830.7	860.5	864.2	860.5	864.2	853.8	807.6	741.9	709.1	679.3
67.5°	724.0	778.5	809.8	820.2	816.5	815.8	799.4	745.7	677.8	642.0	604.0
70°	631.6	679.3	719.6	744.9	744.9	730.8	699.4	649.5	595.0	564.5	534.6
72.5°	559.2	619.6	659.2	685.3	690.5	682.3	638.3	585.3	522.7	492.1	460.8
75°	460.8	519.7	562.2	596.5	603.2	594.3	543.6	491.4	433.2	403.4	372.1
77.5°	308.0	343.0	377.3	408.6	401.9	407.9	373.6	334.1	298.3	275.9	261.7
80°	173.7	196.9	207.3	224.4	224.4	224.4	202.1	183.4	163.3	150.6	136.5
82.5°	98.4	113.3	117.8	132.0	135.7	136.5	121.5	109.6	96.9	90.2	80.5
85°	45.5	53.7	54.4	62.6	65.6	71.6	64.9	56.7	49.2	46.2	40.3
87.5°	1.5	4.5	6.0	11.2	14.9	17.2	18.6	18.6	15.7	14.2	11.9
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: P634304

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8	1671.8
2.5°	1583.0	1600.9	1621.8	1636.7	1663.6	1686.0	1709.1	1734.4	1753.1	1748.6
5°	1503.3	1533.1	1571.1	1606.2	1656.1	1706.8	1762.8	1820.2	1853.7	1852.2
7.5°	1458.5	1501.0	1547.3	1594.2	1653.1	1726.2	1812.0	1901.4	1946.9	1949.2
10°	1482.4	1527.9	1559.2	1598.7	1660.6	1752.3	1855.2	1962.6	2014.8	2025.2
12.5°	1557.7	1554.0	1551.7	1580.1	1654.6	1771.0	1897.0	2025.2	2084.1	2096.8
15°	1629.3	1552.5	1506.2	1525.6	1627.8	1782.9	1938.0	2093.8	2160.2	2173.6
17.5°	1642.7	1526.4	1440.6	1454.0	1585.3	1786.6	1977.5	2160.9	2232.5	2245.2
20°	1605.4	1492.8	1392.9	1374.3	1531.6	1776.9	2002.1	2216.9	2295.2	2308.6
22.5°	1558.4	1463.0	1357.1	1308.6	1466.0	1767.2	2029.7	2275.8	2366.0	2377.9
25°	1509.2	1425.0	1323.6	1249.7	1391.4	1761.3	2075.9	2353.3	2462.2	2476.4
27.5°	1457.0	1378.7	1294.5	1221.4	1322.8	1768.7	2141.6	2478.6	2602.4	2622.5
30°	1401.1	1332.5	1275.8	1211.7	1275.8	1775.4	2213.9	2606.8	2752.3	2780.6
32.5°	1342.9	1290.0	1256.4	1216.2	1246.8	1759.8	2277.3	2750.8	2931.2	2955.8
35°	1284.8	1246.8	1231.8	1224.4	1208.0	1702.4	2328.7	2896.2	3135.5	3157.2
37.5°	1230.3	1202.0	1197.5	1205.7	1148.3	1608.4	2388.4	3081.1	3336.1	3368.9
40°	1179.6	1153.5	1152.8	1151.3	1082.7	1480.1	2468.9	3269.0	3533.7	3548.6
42.5°	1132.7	1099.9	1105.8	1087.9	1029.0	1341.5	2545.0	3429.3	3717.9	3728.3
45°	1090.9	1047.7	1054.4	1032.0	1003.7	1196.0	2612.1	3618.7	3951.3	3958.0
47.5°	1050.6	1004.4	985.8	984.3	999.2	1061.8	2677.7	3983.3	4316.7	4328.6
50°	1013.4	963.4	910.5	943.3	971.6	961.2	2759.7	4374.1	4694.0	4691.0
52.5°	977.6	911.9	836.6	900.0	900.0	886.6	2736.6	4611.2	5005.7	5057.1
55°	936.6	829.2	759.8	827.7	794.9	819.5	2327.2	4688.7	5201.8	5274.8
57.5°	855.3	727.0	666.6	703.2	653.9	759.8	1671.8	4304.0	4868.5	4998.2
60°	777.0	651.7	612.2	605.5	541.4	619.6	1083.5	3369.7	4007.2	4072.8
62.5°	685.3	586.8	553.3	501.8	435.5	451.1	656.2	2217.6	2692.6	2707.5
65°	615.9	531.7	467.5	406.4	356.4	327.3	387.7	1069.3	1345.9	1328.0
67.5°	528.7	455.6	394.5	350.5	309.5	272.9	258.0	317.7	359.4	347.5
70°	470.5	400.4	341.5	299.8	261.7	225.2	199.1	187.2	183.4	180.5
72.5°	405.6	344.5	283.4	243.1	207.3	173.7	149.9	135.7	132.0	129.0
75°	323.6	266.2	210.3	172.2	140.9	117.1	101.4	89.5	87.2	84.3
77.5°	214.0	170.8	125.3	102.2	83.5	70.8	60.4	52.9	51.5	50.0
80°	117.8	98.4	76.8	61.9	50.0	43.2	39.5	35.0	34.3	33.6
82.5°	70.1	58.9	44.0	35.0	29.1	26.1	23.9	21.6	20.9	20.1
85°	35.0	27.6	19.4	16.4	14.9	13.4	13.4	11.2	10.4	10.4
87.5°	8.9	7.5	4.5	3.7	3.7	3.7	3.0	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)