

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: P633090

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633090
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-SA2E-722-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT 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: 8365.8 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

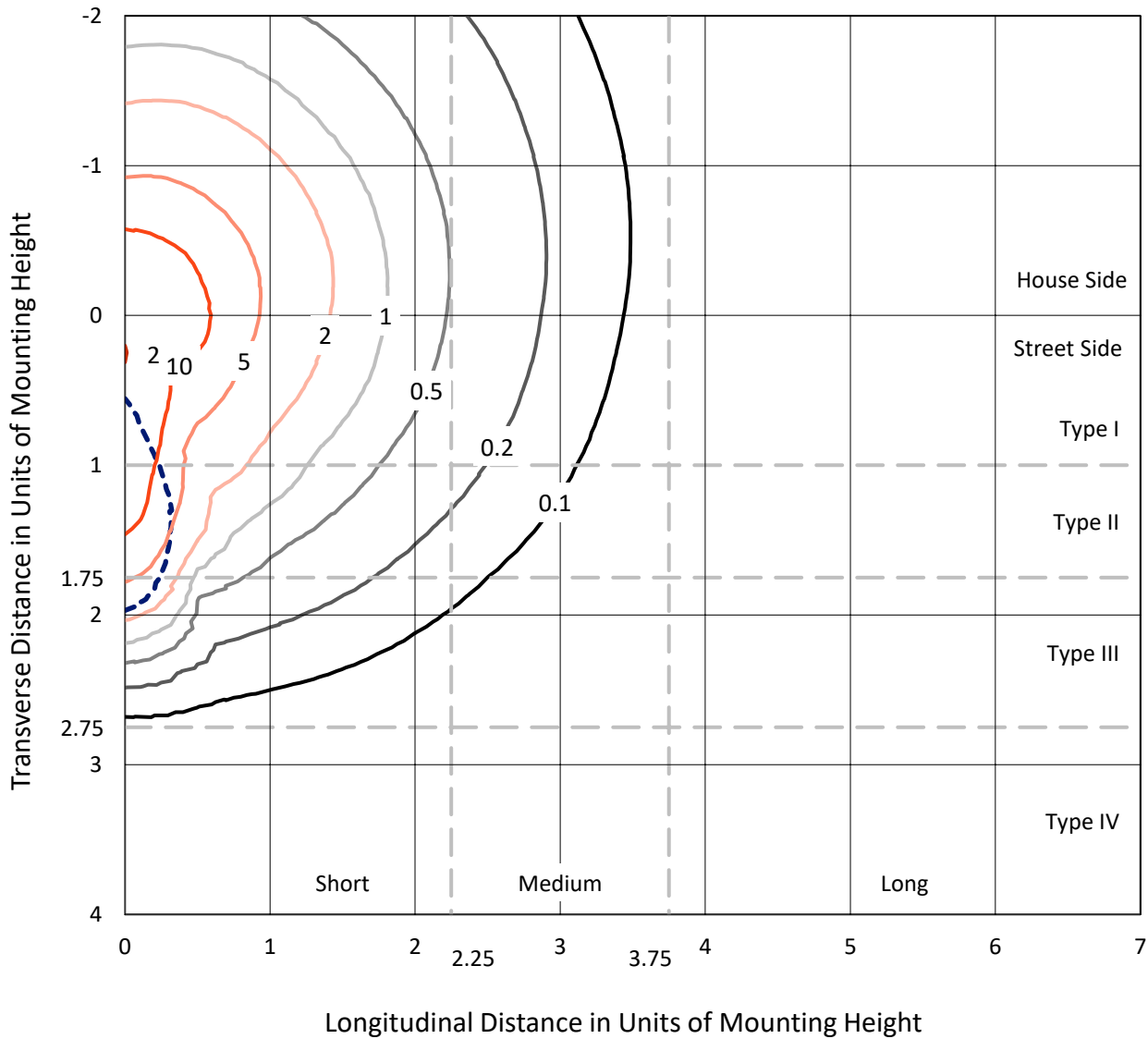
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633090
 CATALOG NUMBER: GWS-SA2E-722-U-SLL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

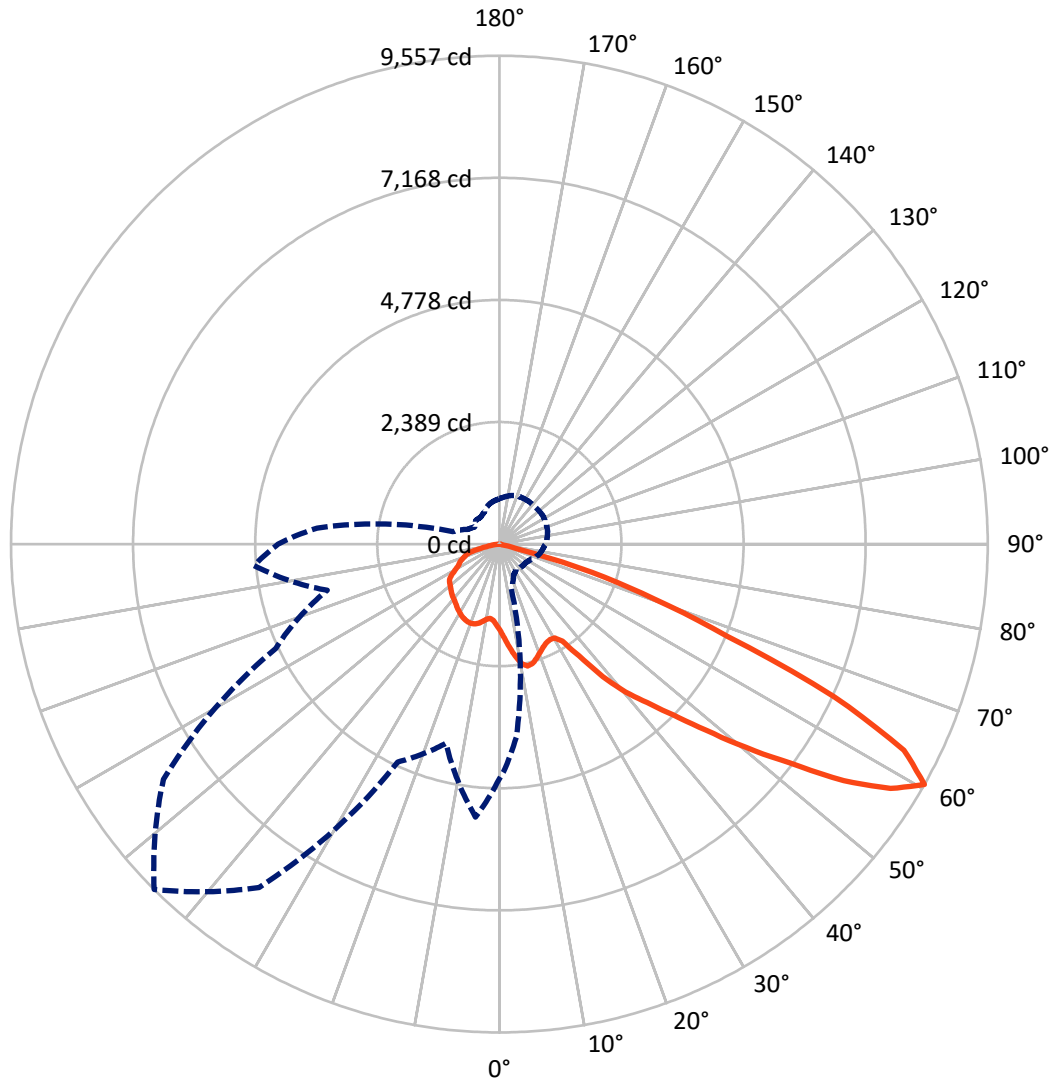
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.4 fc
 Type III - Short - N/A

REPORT NUMBER: P633090
CATALOG NUMBER: GWS-SA2E-722-U-SLL-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633090
 CATALOG NUMBER: GWS-SA2E-722-U-SLL-W-GRSWH

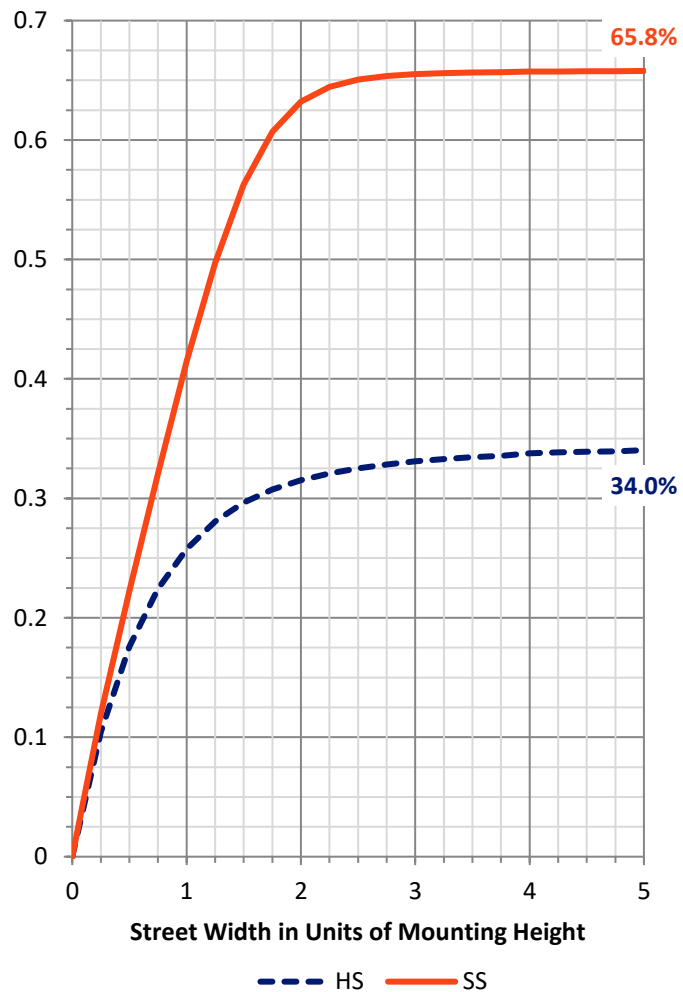
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2861.9	0.0	2861.9
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	5503.9	0.0	5503.9
	% Fixture	65.8	0.0	65.8
Total	Lumens	8365.8	0.0	8365.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.9	2.0
10°-20°	528.7	6.3
20°-30°	861.1	10.3
30°-40°	1209.7	14.5
40°-50°	1655.3	19.8
50°-60°	2123.7	25.4
60°-70°	1430.0	17.1
70°-80°	357.5	4.3
80°-90°	34.9	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°	8365.8	100.0
0°-180°	8365.8	100.0

Coefficient of Utilization



REPORT NUMBER: P633090

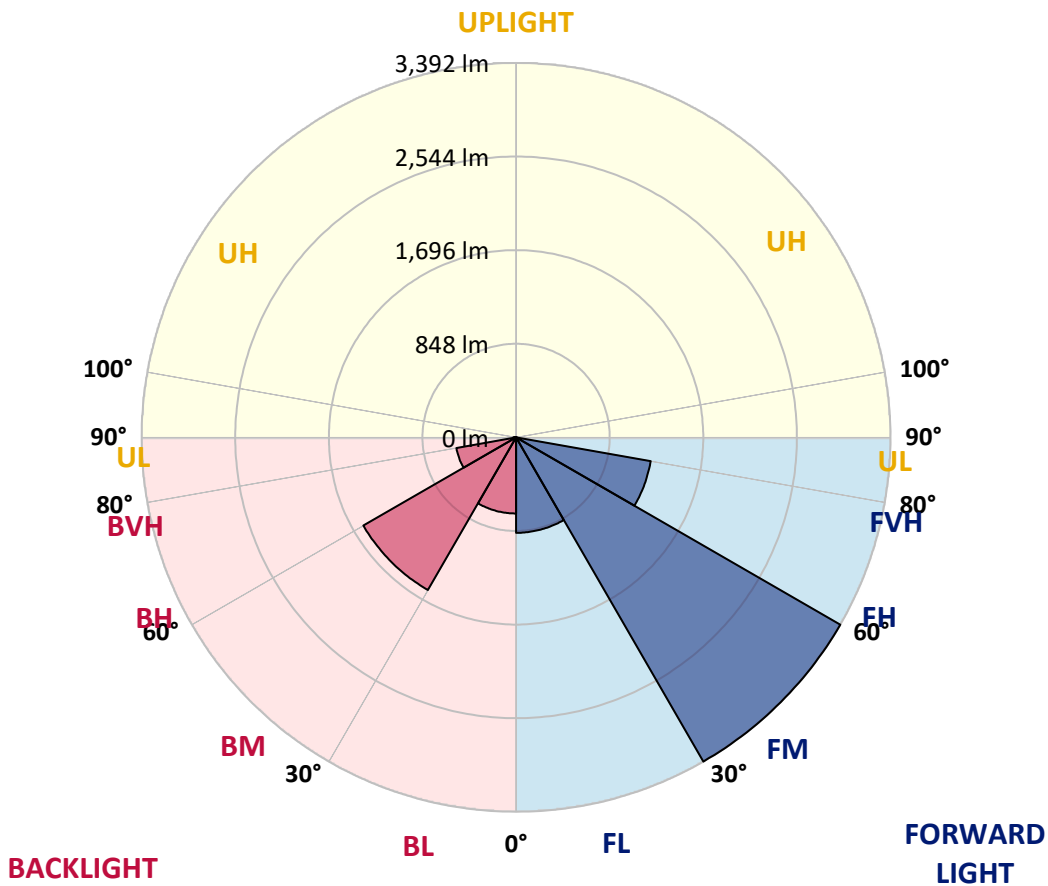
CATALOG NUMBER: GWS-SA2E-722-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	864.8	10.3			
FM (30°-60°)	3391.6	40.5			
FH (60°-80°)	1238.5	14.8			G1/1800
FVH (80°-90°)	9.1	0.1			G0/10
BL (0°-30°)	689.9	8.2	B2/1000		
BM (30°-60°)	1597.1	19.1	B2/2500		
BH (60°-80°)	549.0	6.6	B2/1000		G2/1000
BVH (80°-90°)	25.8	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: P633090

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

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3
2.5°	1785.1	1781.3	1777.4	1747.4	1739.7	1718.1	1702.7	1683.4	1655.7	1640.3	1627.2
5°	1896.9	1890.7	1869.9	1808.3	1768.2	1724.3	1688.1	1648.0	1605.6	1577.9	1556.3
7.5°	2002.4	2000.9	1965.4	1863.7	1799.0	1735.8	1686.5	1628.0	1567.1	1525.5	1497.8
10°	2100.3	2088.7	2046.3	1913.8	1829.1	1756.6	1703.5	1638.8	1567.9	1511.6	1474.6
12.5°	2186.5	2171.9	2113.4	1960.0	1855.3	1765.9	1708.1	1654.9	1607.9	1560.9	1518.6
15°	2257.4	2239.7	2180.4	2003.2	1878.4	1760.5	1679.6	1638.0	1654.2	1675.0	1628.0
17.5°	2323.7	2305.2	2232.8	2034.8	1885.3	1727.4	1609.5	1591.8	1673.4	1768.2	1746.6
20°	2379.2	2358.4	2274.4	2050.2	1873.0	1664.2	1518.6	1549.4	1657.2	1770.5	1805.2
22.5°	2439.3	2422.3	2321.4	2072.5	1857.6	1577.1	1442.3	1517.8	1629.5	1728.9	1781.3
25°	2535.6	2514.8	2394.6	2111.8	1849.9	1495.5	1387.6	1487.0	1591.0	1681.1	1722.0
27.5°	2675.0	2636.5	2494.7	2180.4	1858.3	1418.4	1352.9	1449.2	1546.3	1623.3	1656.5
30°	2826.8	2780.6	2605.7	2251.3	1870.7	1371.4	1334.4	1406.1	1477.7	1554.8	1591.0
32.5°	3006.3	2965.5	2724.3	2304.4	1844.5	1349.8	1320.6	1359.1	1416.1	1477.7	1507.8
35°	3220.5	3147.3	2853.8	2347.6	1759.7	1318.2	1308.2	1307.5	1337.5	1397.6	1431.5
37.5°	3450.9	3372.3	3013.2	2393.8	1628.0	1268.2	1279.0	1246.6	1274.3	1322.1	1360.6
40°	3639.6	3557.2	3174.3	2457.0	1463.1	1189.6	1214.2	1179.6	1196.5	1245.8	1289.0
42.5°	3824.5	3736.7	3324.5	2528.6	1303.6	1112.5	1124.9	1111.8	1117.2	1168.8	1228.9
45°	4067.2	3968.6	3509.4	2579.5	1160.3	1051.7	1040.1	1017.8	1046.3	1113.3	1177.3
47.5°	4472.5	4354.6	3812.2	2612.6	1056.3	1017.0	963.8	950.7	986.2	1060.9	1127.2
50°	4946.3	4844.6	4296.0	2611.1	978.5	987.7	889.9	878.3	936.9	1012.4	1082.5
52.5°	5334.6	5231.4	4709.8	2534.0	914.5	925.3	846.7	814.4	894.5	964.6	1034.7
55°	5648.2	5531.9	4900.1	2212.0	833.6	825.9	799.7	740.4	841.3	916.8	982.3
57.5°	5479.5	5340.8	4669.7	1681.9	750.4	701.9	718.8	674.9	768.9	863.7	926.9
60°	4594.2	4469.4	3793.7	895.3	660.3	586.3	621.8	628.7	689.6	799.7	864.4
62.5°	3155.8	3064.9	2571.0	543.2	520.8	470.7	526.2	576.3	621.8	715.0	771.2
65°	1544.0	1517.0	1285.9	348.2	364.4	380.6	436.1	496.9	564.0	645.6	705.0
67.5°	425.3	428.4	389.8	272.0	287.4	332.1	376.0	424.5	491.5	567.1	627.1
70°	187.2	190.3	196.5	209.6	238.8	279.7	325.1	375.2	436.8	500.0	557.8
72.5°	130.2	133.3	142.5	159.5	185.7	224.2	267.3	315.1	379.1	432.2	480.0
75°	80.1	82.4	90.9	105.6	123.3	152.5	194.9	238.8	295.1	343.6	386.0
77.5°	42.4	40.8	46.2	56.2	71.7	87.1	115.6	143.3	183.4	222.7	258.1
80°	23.1	22.3	25.4	30.8	35.4	47.8	67.0	85.5	108.6	131.0	150.2
82.5°	10.0	9.2	10.0	13.1	16.2	23.1	33.9	47.0	60.1	75.5	87.8
85°	0.0	0.0	0.0	0.8	3.9	6.2	11.6	16.9	24.7	33.9	41.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	6.9
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: P633090

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3
2.5°	1619.5	1600.2	1598.7	1583.3	1584.8	1585.6	1570.2	1564.0	1569.4	1575.6	1572.5
5°	1548.6	1528.6	1520.1	1505.5	1503.9	1497.0	1490.8	1483.1	1488.5	1493.9	1497.0
7.5°	1487.0	1473.9	1468.5	1464.6	1466.2	1463.1	1450.8	1443.8	1443.1	1445.4	1448.5
10°	1466.9	1456.2	1463.1	1473.9	1481.6	1487.0	1473.9	1462.3	1451.5	1446.9	1446.9
12.5°	1510.1	1496.2	1510.1	1521.6	1537.1	1540.9	1526.3	1513.9	1510.1	1514.7	1524.0
15°	1605.6	1573.3	1572.5	1579.4	1591.8	1597.9	1584.1	1577.9	1577.9	1607.2	1630.3
17.5°	1701.2	1648.0	1625.7	1621.8	1629.5	1631.8	1620.3	1614.9	1628.7	1685.8	1728.9
20°	1768.2	1703.5	1654.9	1645.7	1648.0	1648.8	1639.5	1635.7	1655.7	1725.0	1761.3
22.5°	1761.3	1713.5	1654.2	1642.6	1646.5	1644.9	1636.4	1634.9	1651.1	1711.2	1728.1
25°	1713.5	1676.5	1626.4	1618.7	1624.9	1624.1	1615.6	1611.8	1618.7	1658.8	1660.3
27.5°	1658.8	1626.4	1583.3	1581.0	1591.0	1596.4	1581.7	1570.2	1567.9	1594.8	1588.7
30°	1593.3	1569.4	1534.7	1536.3	1554.8	1557.9	1540.1	1523.2	1518.6	1533.2	1524.7
32.5°	1515.5	1507.8	1489.3	1493.1	1510.9	1517.0	1498.5	1480.8	1475.4	1480.0	1462.3
35°	1449.2	1446.1	1447.7	1454.6	1470.0	1474.6	1459.2	1445.4	1437.7	1421.5	1398.4
37.5°	1380.7	1389.1	1411.5	1424.6	1433.0	1431.5	1423.0	1413.0	1400.7	1370.6	1342.1
40°	1316.7	1338.3	1378.3	1393.0	1396.1	1396.8	1390.7	1382.2	1366.8	1326.7	1294.4
42.5°	1267.4	1291.3	1344.4	1366.8	1368.3	1369.9	1363.7	1356.8	1335.2	1282.0	1250.4
45°	1215.8	1247.4	1309.8	1336.7	1335.2	1334.4	1329.0	1326.0	1300.5	1238.9	1204.2
47.5°	1171.9	1208.8	1275.9	1299.0	1298.2	1297.4	1293.6	1293.6	1268.2	1201.1	1161.8
50°	1128.7	1171.1	1241.2	1260.5	1262.0	1260.5	1258.9	1261.2	1231.2	1159.5	1121.0
52.5°	1081.7	1129.5	1202.7	1220.4	1229.6	1233.5	1233.5	1228.1	1192.7	1117.9	1075.6
55°	1030.1	1075.6	1160.3	1184.2	1191.9	1198.8	1198.8	1188.0	1154.9	1079.4	1033.9
57.5°	966.1	1006.2	1073.2	1097.1	1115.6	1120.2	1120.2	1102.5	1075.6	1003.1	966.1
60°	896.8	931.5	976.9	1002.4	1016.2	1007.0	1013.9	1009.3	987.7	920.7	889.9
62.5°	804.4	839.8	889.9	916.1	922.2	913.0	922.2	921.5	892.2	832.1	795.1
65°	738.1	772.8	822.1	856.0	866.0	863.7	869.8	860.6	824.4	767.4	731.9
67.5°	659.5	696.5	753.5	791.3	812.1	814.4	822.8	803.6	766.6	704.2	659.5
70°	584.8	616.4	660.3	695.7	725.0	739.6	741.2	713.4	667.2	615.6	583.2
72.5°	506.2	538.5	591.7	630.2	667.2	684.2	684.2	650.3	600.2	543.2	508.5
75°	410.7	440.7	489.2	530.8	573.2	594.8	594.0	564.7	509.3	455.3	419.1
77.5°	278.1	300.5	331.3	362.9	369.0	386.0	394.5	357.5	326.7	297.4	265.0
80°	161.8	175.7	192.6	210.3	214.2	219.6	205.7	191.8	175.7	156.4	141.8
82.5°	94.8	104.0	112.5	126.4	128.7	130.2	117.9	111.7	98.6	87.1	77.8
85°	46.2	49.3	57.0	63.9	60.9	59.3	53.9	47.8	42.4	37.8	33.1
87.5°	9.2	9.2	13.9	13.1	10.8	9.2	5.4	6.9	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



REPORT NUMBER: P633090

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

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3
2.5°	1582.5	1595.6	1611.8	1633.4	1658.0	1684.2	1709.6	1728.9	1748.2	1776.7	1772.0
5°	1501.6	1524.0	1549.4	1582.5	1622.6	1668.0	1718.9	1769.7	1824.4	1870.7	1890.7
7.5°	1454.6	1479.3	1509.3	1552.5	1604.1	1659.6	1731.2	1813.6	1902.2	1963.1	2000.9
10°	1454.6	1486.2	1525.5	1567.1	1612.6	1669.6	1758.2	1861.4	1975.4	2055.6	2099.5
12.5°	1538.6	1570.2	1578.7	1577.1	1602.5	1665.7	1779.7	1911.5	2047.9	2132.6	2186.5
15°	1669.6	1680.4	1616.4	1557.9	1561.7	1638.0	1789.8	1951.6	2110.3	2212.0	2270.5
17.5°	1757.4	1728.9	1614.9	1512.4	1490.8	1591.0	1789.8	1990.1	2176.5	2291.3	2346.0
20°	1764.3	1693.5	1575.6	1468.5	1413.0	1528.6	1777.4	2019.4	2240.5	2367.6	2426.2
22.5°	1703.5	1633.4	1534.0	1430.7	1349.1	1453.1	1757.4	2041.7	2295.2	2439.3	2511.7
25°	1634.1	1575.6	1491.6	1392.2	1305.1	1376.8	1738.9	2079.5	2371.5	2536.3	2609.5
27.5°	1566.3	1517.0	1440.7	1359.9	1280.5	1310.5	1727.4	2134.9	2462.4	2674.2	2737.4
30°	1500.1	1455.4	1386.0	1329.0	1267.4	1267.4	1717.3	2198.9	2582.6	2829.1	2892.3
32.5°	1433.0	1390.7	1334.4	1299.0	1259.7	1250.4	1689.6	2259.0	2706.6	2998.6	3063.3
35°	1370.6	1328.3	1285.1	1270.5	1255.8	1237.3	1621.0	2306.0	2827.6	3196.6	3252.1
37.5°	1312.1	1271.2	1238.9	1235.0	1236.6	1201.9	1513.2	2345.3	2978.6	3399.2	3428.5
40°	1261.2	1215.8	1190.4	1189.6	1197.3	1144.9	1376.8	2401.5	3151.2	3571.1	3558.7
42.5°	1215.8	1168.0	1137.2	1144.1	1139.5	1087.9	1243.5	2453.1	3301.4	3732.1	3707.4
45°	1171.1	1124.9	1081.7	1091.7	1086.3	1052.4	1130.3	2490.9	3467.8	3925.5	3928.5
47.5°	1127.9	1082.5	1039.3	1027.0	1026.2	1041.7	1043.2	2503.2	3739.0	4236.7	4166.6
50°	1087.9	1042.4	997.7	956.1	972.3	1020.1	978.5	2494.0	4145.0	4580.3	4384.7
52.5°	1046.3	1003.1	953.8	879.1	921.5	968.5	920.7	2460.8	4393.1	4883.9	4766.8
55°	998.5	957.7	890.6	799.7	851.4	861.4	861.4	2140.3	4498.7	5184.4	5256.8
57.5°	934.6	880.6	774.3	701.1	747.3	708.8	798.2	1497.8	4324.6	5089.6	5370.8
60°	862.1	804.4	691.9	639.5	653.3	585.5	680.3	939.2	3584.1	4330.7	4817.6
62.5°	766.6	713.4	620.2	579.4	550.9	477.7	547.8	594.0	2457.0	3215.9	3547.9
65°	702.7	644.1	560.9	507.0	448.4	384.5	363.7	389.8	1321.3	1799.8	2024.0
67.5°	627.1	569.4	490.8	423.0	376.0	329.8	293.5	284.3	453.0	599.4	648.7
70°	555.5	500.0	434.5	371.4	324.4	278.9	243.5	218.0	209.6	208.0	204.9
72.5°	482.3	430.7	376.0	317.4	265.8	224.2	192.6	163.3	151.0	147.2	143.3
75°	395.2	354.4	299.7	236.5	194.9	156.4	131.7	112.5	101.7	97.8	93.2
77.5°	254.2	235.8	188.0	152.5	117.9	93.2	80.1	67.8	60.9	59.3	55.5
80°	135.6	126.4	104.0	87.8	70.1	57.0	50.1	43.1	39.3	37.8	36.2
82.5°	75.5	68.6	57.8	50.8	40.8	34.7	30.8	27.7	25.4	24.7	23.9
85°	33.9	29.3	23.1	21.6	19.3	17.7	16.9	15.4	14.6	13.9	13.1
87.5°	1.5	3.1	3.9	3.1	3.1	4.6	5.4	5.4	4.6	4.6	3.9
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: P633090

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3
2.5°	1800.5	1823.7	1826.0	1833.7	1823.7	1821.4	1805.2	1795.9	1787.5	1785.1
5°	1940.8	1987.0	2005.5	2018.6	2006.3	2000.1	1964.7	1927.7	1906.9	1896.9
7.5°	2084.8	2154.2	2190.4	2206.6	2208.1	2180.4	2119.5	2050.2	2015.5	2002.4
10°	2213.5	2299.0	2346.8	2377.6	2366.8	2332.9	2249.7	2155.7	2111.8	2100.3
12.5°	2309.0	2390.7	2427.7	2447.7	2447.0	2428.5	2349.9	2248.2	2198.1	2186.5
15°	2370.7	2419.2	2421.5	2426.2	2439.3	2463.9	2423.1	2329.1	2273.6	2257.4
17.5°	2419.2	2400.0	2363.8	2351.4	2380.7	2449.3	2473.9	2397.7	2337.6	2323.7
20°	2450.0	2353.0	2289.0	2265.1	2299.0	2410.7	2504.7	2459.3	2396.9	2379.2
22.5°	2473.9	2309.0	2205.8	2189.6	2225.1	2369.1	2536.3	2532.5	2463.9	2439.3
25°	2511.7	2279.8	2147.3	2135.7	2168.8	2349.1	2578.7	2631.9	2571.0	2535.6
27.5°	2571.0	2276.7	2117.2	2113.4	2158.8	2366.8	2639.6	2777.5	2701.2	2675.0
30°	2653.4	2306.0	2124.1	2131.8	2187.3	2430.8	2734.3	2943.9	2867.6	2826.8
32.5°	2772.1	2384.6	2229.7	2262.8	2303.7	2533.3	2873.0	3124.2	3066.4	3006.3
35°	2928.5	2600.3	2541.7	2682.7	2644.2	2757.5	3040.2	3343.0	3272.9	3220.5
37.5°	3137.3	3042.5	3096.5	3290.6	3197.4	3181.2	3244.4	3541.8	3503.3	3450.9
40°	3430.1	3449.3	3548.7	3803.7	3668.9	3564.9	3494.8	3691.2	3704.3	3639.6
42.5°	3624.2	3712.8	3952.4	4242.1	4056.4	3807.6	3704.3	3882.3	3883.1	3824.5
45°	3696.6	3928.5	4429.3	4762.9	4452.5	3946.3	3819.9	4142.0	4134.3	4067.2
47.5°	3670.4	4110.4	4924.7	5434.8	4960.9	4044.9	3803.7	4511.8	4574.2	4472.5
50°	3615.7	4293.0	5503.3	6257.6	5585.0	4149.7	3779.1	4921.7	5024.9	4946.3
52.5°	3671.2	4496.4	6187.5	7108.2	6367.8	4316.9	3945.5	5447.9	5429.4	5334.6
55°	3846.9	4736.7	7018.8	8176.8	7227.6	4599.6	4373.1	5949.4	5761.5	5648.2
57.5°	3838.4	4908.6	7747.7	9022.0	7975.7	4831.5	4521.8	6002.6	5622.8	5479.5
60°	3484.0	4830.0	8025.0	9556.7	8201.5	4703.6	4032.6	5361.6	4744.5	4594.2
62.5°	2600.3	4286.0	7487.3	8887.2	7562.8	4062.6	3032.5	3848.4	3409.3	3155.8
65°	1663.4	3353.0	6294.6	7199.9	6233.7	3107.2	1805.9	2063.3	1616.4	1544.0
67.5°	708.0	2366.8	4893.1	4812.3	4663.6	2013.2	697.3	580.9	433.0	425.3
70°	234.2	1610.2	3016.3	3209.7	2785.2	1386.8	230.4	194.9	194.2	187.2
72.5°	153.3	864.4	1698.1	1890.7	1792.1	798.2	139.5	130.2	133.3	130.2
75°	91.7	188.0	285.8	371.4	285.8	134.1	84.0	82.4	84.0	80.1
77.5°	53.9	52.4	50.8	50.8	50.1	46.2	42.4	40.8	41.6	42.4
80°	34.7	33.1	31.6	30.8	27.0	25.4	23.9	22.3	22.3	23.1
82.5°	22.3	20.8	19.3	16.9	13.9	11.6	10.8	9.2	9.2	10.0
85°	11.6	9.2	6.9	5.4	3.1	1.5	0.0	0.0	0.0	0.0
87.5°	2.3	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)