

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: P634797

Luminaire Tested: GWS-SA3C-740-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13073.9 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

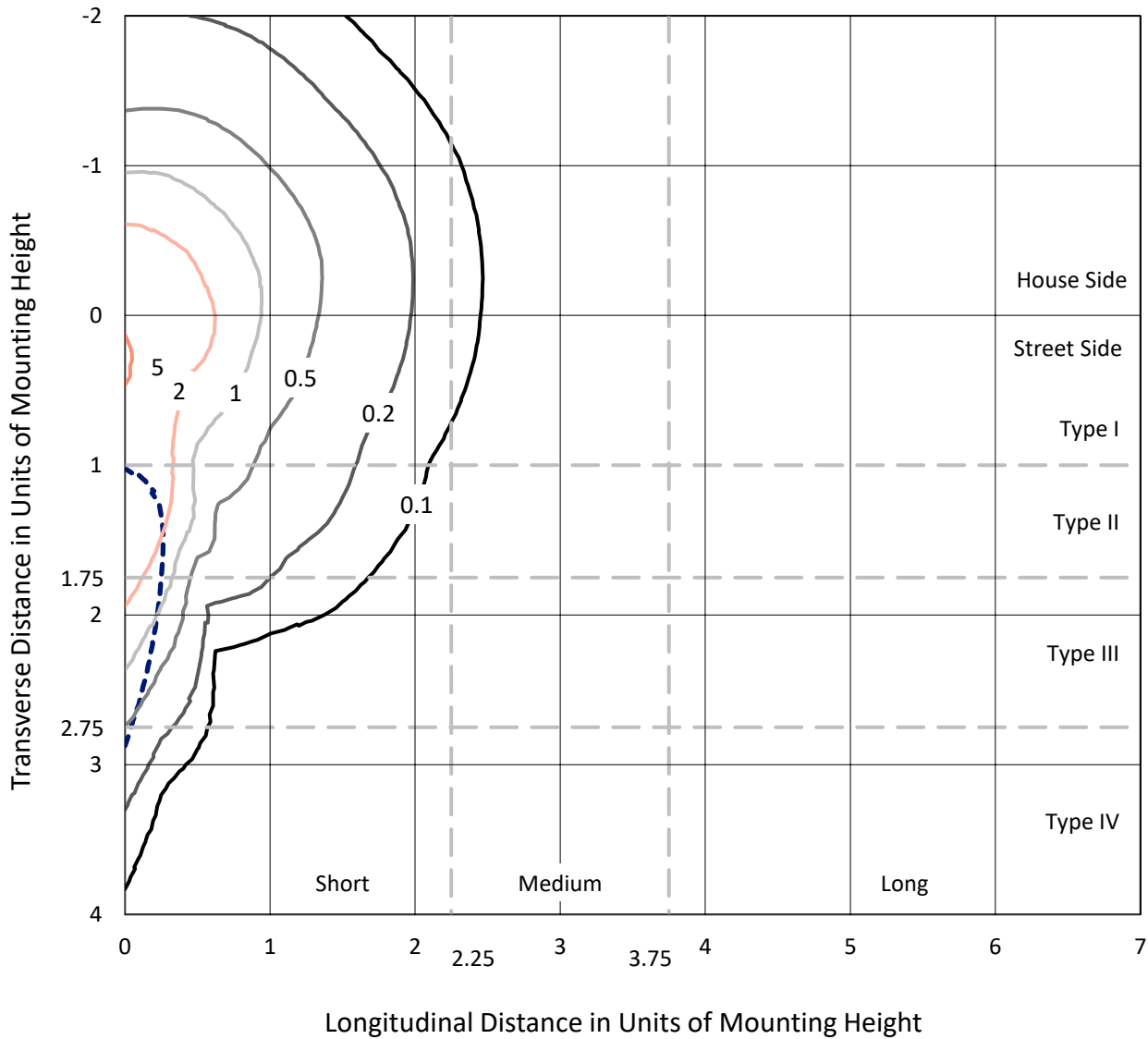
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

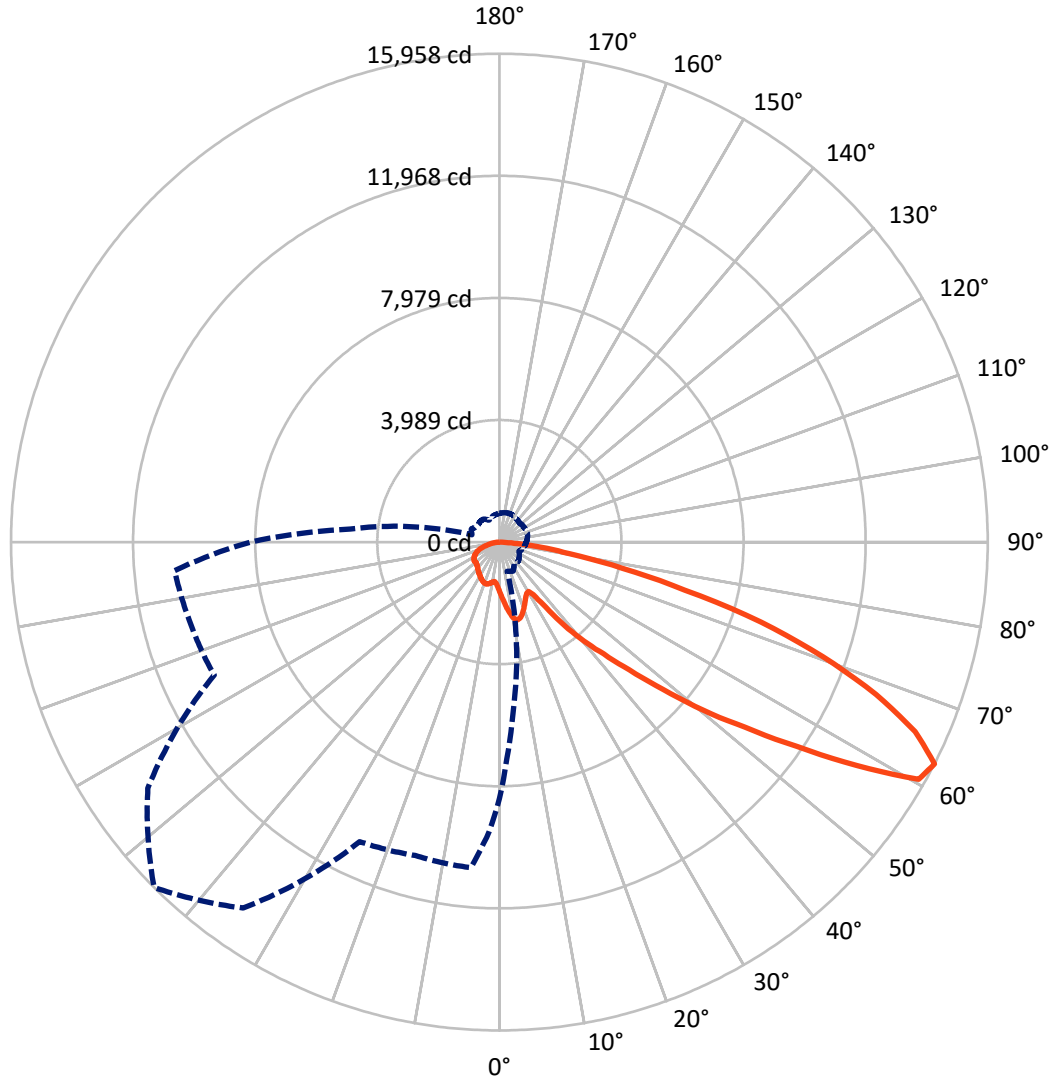
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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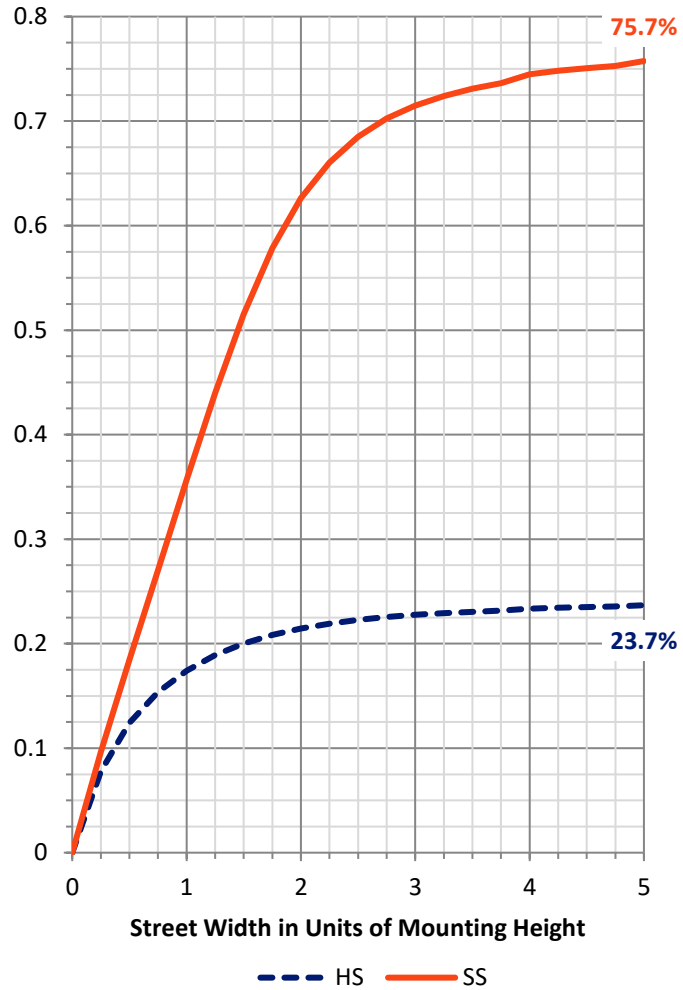
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3125.9	0.0	3125.9
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	9948.0	0.0	9948.0
	% Fixture	76.1	0.0	76.1
Total	Lumens	13073.9	0.0	13073.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.6	1.2
10°-20°	521.9	4.0
20°-30°	821.6	6.3
30°-40°	1126.1	8.6
40°-50°	1757.1	13.4
50°-60°	3029.6	23.2
60°-70°	3511.0	26.9
70°-80°	1853.2	14.2
80°-90°	292.7	2.2
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°	13073.9	100.0
0°-180°	13073.9	100.0

Coefficient of Utilization



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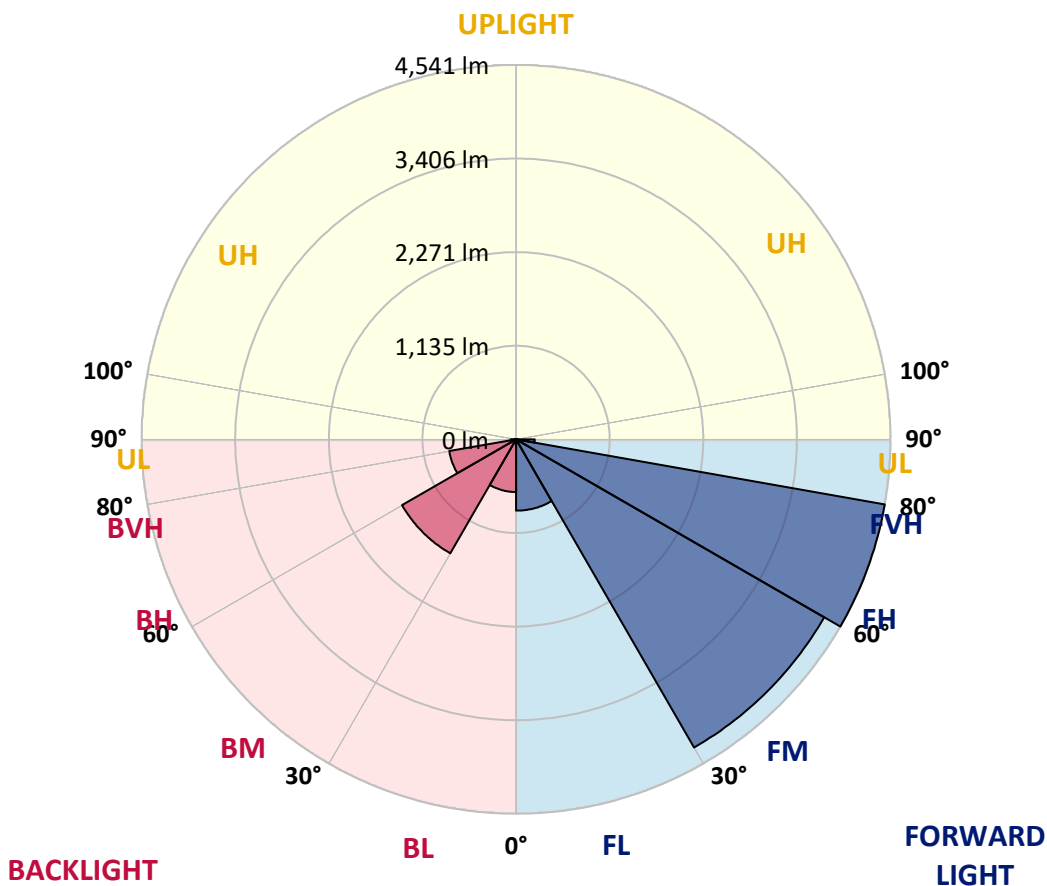
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	864.7	6.6			
FM (30°-60°)	4316.2	33.0			
FH (60°-80°)	4541.1	34.7			G2/5000
FVH (80°-90°)	226.0	1.7			G3/500
BL (0°-30°)	639.4	4.9	B2/1000		
BM (30°-60°)	1596.7	12.2	B2/2500		
BH (60°-80°)	823.1	6.3	B2/1000		G2/1000
BVH (80°-90°)	66.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1
2.5°	1771.1	1764.1	1754.1	1720.1	1699.1	1675.1	1650.1	1621.1	1588.1	1565.1	1542.1
5°	1921.1	1910.1	1886.1	1805.1	1749.1	1688.1	1637.1	1579.1	1522.1	1483.1	1444.1
7.5°	2065.1	2051.1	2014.1	1890.1	1799.1	1711.1	1634.1	1550.1	1465.1	1407.0	1361.0
10°	2209.1	2180.1	2133.1	1971.1	1851.1	1749.1	1661.1	1558.1	1445.1	1366.0	1317.0
12.5°	2319.1	2292.1	2241.1	2045.1	1903.1	1775.1	1676.1	1581.1	1485.1	1401.0	1351.0
15°	2422.1	2387.1	2329.1	2114.1	1946.1	1774.1	1646.1	1563.1	1549.1	1528.1	1463.1
17.5°	2496.1	2464.1	2404.1	2170.1	1970.1	1743.1	1563.1	1514.1	1577.1	1641.1	1579.1
20°	2561.1	2524.1	2463.1	2209.1	1975.1	1674.1	1462.1	1463.1	1562.1	1650.1	1635.1
22.5°	2616.1	2575.1	2521.1	2253.1	1973.1	1578.1	1374.0	1434.1	1533.1	1602.1	1604.1
25°	2684.1	2650.1	2605.1	2318.1	1973.1	1480.1	1310.0	1399.0	1484.1	1542.1	1540.1
27.5°	2767.1	2744.1	2707.1	2417.1	1991.1	1398.0	1274.0	1354.0	1421.0	1471.1	1470.1
30°	2860.1	2839.1	2811.1	2522.1	2022.1	1337.0	1254.0	1298.0	1347.0	1387.0	1387.0
32.5°	2955.1	2947.1	2917.1	2606.1	1998.1	1318.0	1237.0	1242.0	1268.0	1301.0	1298.0
35°	3087.1	3079.1	3041.1	2671.1	1894.1	1291.0	1210.0	1185.0	1188.0	1209.0	1216.0
37.5°	3280.1	3268.1	3212.1	2747.1	1737.1	1223.0	1166.0	1125.0	1116.0	1125.0	1138.0
40°	3513.1	3495.1	3419.1	2850.1	1556.1	1131.0	1097.0	1063.0	1048.0	1051.0	1066.0
42.5°	3805.1	3767.1	3658.1	2959.1	1377.0	1050.0	1020.0	999.0	982.0	980.0	1009.0
45°	4279.1	4175.1	4002.1	3056.1	1226.0	1007.0	951.0	936.0	922.0	930.0	964.0
47.5°	5107.2	4915.2	4578.2	3139.1	1134.0	1008.0	896.0	880.0	879.0	895.0	933.0
50°	6245.2	5968.2	5448.2	3195.1	1086.0	1020.0	863.0	837.0	856.0	872.0	908.0
52.5°	7335.3	6912.2	6293.2	3194.1	1065.0	1022.0	872.0	797.0	856.0	860.0	894.0
55°	8266.3	7500.3	6521.2	2866.1	1035.0	1014.0	907.0	766.0	845.0	860.0	887.0
57.5°	9006.3	7874.3	6504.2	2315.1	1126.0	970.0	928.0	759.0	813.0	862.0	893.0
60°	8924.3	7703.3	6085.2	1421.0	1117.0	892.0	925.0	772.0	759.0	835.0	886.0
62.5°	8379.3	7090.2	5364.2	986.0	1049.0	847.0	876.0	795.0	709.0	796.0	852.0
65°	7616.3	6299.2	4470.2	756.0	869.0	849.0	793.0	779.0	665.0	734.0	794.0
67.5°	6607.2	5318.2	3529.1	599.0	606.0	735.0	720.0	692.0	624.0	679.0	733.0
70°	4967.2	3881.1	2428.1	482.0	459.0	614.0	647.0	622.0	584.0	600.0	657.0
72.5°	3500.1	2534.1	1330.0	382.0	354.0	472.0	562.0	558.0	516.0	528.0	584.0
75°	2601.1	1793.1	831.0	302.0	288.0	338.0	471.0	483.0	448.0	462.0	505.0
77.5°	1731.1	1161.0	462.0	224.0	224.0	247.0	351.0	407.0	381.0	392.0	422.0
80°	955.0	591.0	231.0	147.0	151.0	170.0	256.0	293.0	294.0	321.0	329.0
82.5°	302.0	188.0	103.0	86.0	81.0	97.0	165.0	210.0	196.0	250.0	230.0
85°	69.0	44.0	19.0	19.0	21.0	32.0	63.0	112.0	143.0	172.0	125.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	44.0	65.0	58.0
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°	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1
2.5°	1528.1	1508.1	1502.1	1485.1	1483.1	1467.1	1461.1	1461.1	1468.1	1468.1	1475.1
5°	1428.1	1403.0	1389.0	1369.0	1364.0	1352.0	1344.0	1345.0	1354.0	1360.0	1372.0
7.5°	1340.0	1323.0	1313.0	1304.0	1302.0	1300.0	1291.0	1290.0	1293.0	1302.0	1311.0
10°	1303.0	1291.0	1294.0	1301.0	1312.0	1318.0	1310.0	1306.0	1303.0	1309.0	1317.0
12.5°	1339.0	1327.0	1333.0	1345.0	1360.0	1366.0	1363.0	1362.0	1365.0	1388.0	1405.0
15°	1418.0	1395.0	1387.0	1392.0	1404.0	1410.0	1407.0	1411.0	1430.1	1490.1	1533.1
17.5°	1516.1	1460.1	1428.1	1419.0	1424.0	1429.1	1429.1	1439.1	1472.1	1560.1	1614.1
20°	1569.1	1496.1	1442.1	1420.0	1422.0	1427.0	1427.0	1441.1	1478.1	1572.1	1607.1
22.5°	1555.1	1488.1	1422.0	1398.0	1399.0	1403.0	1403.0	1415.0	1448.1	1531.1	1547.1
25°	1500.1	1441.1	1376.0	1355.0	1357.0	1364.0	1362.0	1369.0	1394.0	1462.1	1471.1
27.5°	1434.1	1382.0	1318.0	1302.0	1311.0	1325.0	1313.0	1314.0	1337.0	1394.0	1395.0
30°	1363.0	1320.0	1263.0	1251.0	1268.0	1275.0	1264.0	1264.0	1287.0	1326.0	1325.0
32.5°	1286.0	1259.0	1218.0	1205.0	1224.0	1235.0	1221.0	1223.0	1241.0	1267.0	1257.0
35°	1214.0	1200.0	1181.0	1172.0	1184.0	1194.0	1185.0	1189.0	1206.0	1213.0	1199.0
37.5°	1145.0	1143.0	1145.0	1145.0	1148.0	1151.0	1145.0	1155.0	1170.0	1161.0	1145.0
40°	1085.0	1093.0	1112.0	1107.0	1104.0	1107.0	1103.0	1120.0	1135.0	1119.0	1100.0
42.5°	1035.0	1050.0	1079.0	1079.0	1073.0	1075.0	1073.0	1094.0	1105.0	1083.0	1062.0
45°	992.0	1014.0	1051.0	1056.0	1046.0	1046.0	1050.0	1076.0	1080.0	1050.0	1028.0
47.5°	962.0	989.0	1031.0	1040.0	1025.0	1024.0	1035.0	1063.0	1063.0	1028.0	1003.0
50°	941.0	971.0	1021.0	1033.0	1018.0	1014.0	1032.0	1059.0	1053.0	1011.0	986.0
52.5°	927.0	958.0	1020.0	1037.0	1027.0	1023.0	1041.0	1060.0	1045.0	1000.0	974.0
55°	918.0	952.0	1023.0	1037.0	1026.0	1019.0	1037.0	1054.0	1046.0	994.0	969.0
57.5°	923.0	957.0	1019.0	1026.0	1013.0	1001.0	1022.0	1046.0	1043.0	996.0	971.0
60°	915.0	946.0	997.0	999.0	977.0	958.0	989.0	1025.0	1025.0	989.0	967.0
62.5°	878.0	909.0	954.0	956.0	931.0	910.0	946.0	989.0	988.0	959.0	936.0
65°	817.0	846.0	897.0	902.0	877.0	855.0	892.0	932.0	935.0	909.0	889.0
67.5°	750.0	776.0	814.0	834.0	813.0	790.0	824.0	862.0	861.0	830.0	809.0
70°	670.0	694.0	729.0	746.0	733.0	711.0	742.0	762.0	753.0	738.0	724.0
72.5°	591.0	614.0	647.0	647.0	633.0	612.0	621.0	657.0	668.0	657.0	648.0
75°	508.0	528.0	551.0	556.0	525.0	487.0	529.0	560.0	573.0	568.0	557.0
77.5°	423.0	438.0	472.0	463.0	405.0	385.0	419.0	465.0	474.0	471.0	456.0
80°	326.0	335.0	371.0	353.0	308.0	295.0	310.0	346.0	348.0	338.0	319.0
82.5°	219.0	231.0	255.0	220.0	219.0	207.0	195.0	199.0	217.0	215.0	202.0
85°	112.0	118.0	141.0	132.0	113.0	98.0	93.0	99.0	89.0	81.0	70.0
87.5°	47.0	51.0	70.0	39.0	12.0	0.0	0.0	6.0	9.0	13.0	14.0
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°	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1
2.5°	1491.1	1502.1	1529.1	1563.1	1596.1	1630.1	1667.1	1690.1	1718.1	1754.1	1755.1
5°	1387.0	1412.0	1451.1	1503.1	1557.1	1619.1	1691.1	1751.1	1823.1	1880.1	1903.1
7.5°	1323.0	1359.0	1408.0	1474.1	1545.1	1622.1	1716.1	1817.1	1935.1	2011.1	2056.1
10°	1329.0	1384.0	1433.1	1489.1	1553.1	1636.1	1757.1	1891.1	2036.1	2136.1	2192.1
12.5°	1436.1	1494.1	1485.1	1482.1	1525.1	1626.1	1790.1	1966.1	2143.1	2243.1	2310.1
15°	1571.1	1593.1	1508.1	1444.1	1470.1	1590.1	1808.1	2033.1	2232.1	2354.1	2420.1
17.5°	1640.1	1596.1	1493.1	1397.0	1390.0	1535.1	1817.1	2101.1	2332.1	2454.1	2524.1
20°	1608.1	1544.1	1457.1	1366.0	1316.0	1460.1	1812.1	2155.1	2423.1	2559.1	2616.1
22.5°	1539.1	1483.1	1415.0	1328.0	1256.0	1378.0	1799.1	2209.1	2504.1	2641.1	2691.1
25°	1464.1	1422.0	1366.0	1290.0	1222.0	1306.0	1790.1	2281.1	2597.1	2728.1	2760.1
27.5°	1389.0	1358.0	1312.0	1253.0	1214.0	1256.0	1793.1	2375.1	2717.1	2841.1	2828.1
30°	1315.0	1288.0	1256.0	1230.0	1213.0	1244.0	1785.1	2475.1	2849.1	2964.1	2887.1
32.5°	1245.0	1220.0	1200.0	1204.0	1214.0	1249.0	1744.1	2566.1	2970.1	3068.1	2951.1
35°	1185.0	1159.0	1159.0	1173.0	1210.0	1232.0	1638.1	2637.1	3104.1	3202.1	3042.1
37.5°	1129.0	1106.0	1121.0	1144.0	1179.0	1186.0	1502.1	2706.1	3299.1	3391.1	3183.1
40°	1080.0	1057.0	1084.0	1113.0	1131.0	1128.0	1364.0	2802.1	3529.1	3624.1	3370.1
42.5°	1041.0	1020.0	1044.0	1081.0	1084.0	1087.0	1263.0	2894.1	3796.1	3917.1	3692.1
45°	1009.0	994.0	1006.0	1043.0	1043.0	1089.0	1200.0	2971.1	4198.1	4412.2	4283.1
47.5°	984.0	975.0	981.0	993.0	1013.0	1125.0	1160.0	3030.1	4930.2	5350.2	5220.2
50°	970.0	961.0	969.0	944.0	1004.0	1143.0	1147.0	3075.1	5895.2	6553.2	6392.2
52.5°	958.0	955.0	960.0	902.0	1024.0	1131.0	1137.0	3015.1	6542.2	7737.3	7896.3
55°	954.0	956.0	932.0	871.0	1048.0	1091.0	1107.0	2586.1	6718.2	8758.3	9745.3
57.5°	956.0	950.0	889.0	874.0	1049.0	1011.0	1150.0	1845.1	6462.2	9202.3	11554.4
60°	949.0	919.0	837.0	901.0	1003.0	917.0	1119.0	1203.0	5787.2	8861.3	11659.4
62.5°	918.0	874.0	792.0	916.0	921.0	861.0	1016.0	927.0	4887.2	8131.3	10647.4
65°	873.0	814.0	754.0	885.0	838.0	835.0	764.0	743.0	3930.1	7262.3	9687.3
67.5°	799.0	740.0	726.0	814.0	754.0	740.0	614.0	616.0	3136.1	6336.2	8722.3
70°	715.0	656.0	667.0	736.0	671.0	615.0	497.0	513.0	2379.1	5279.2	7421.3
72.5°	660.0	581.0	582.0	648.0	590.0	498.0	409.0	423.0	1510.1	3979.1	5900.2
75°	557.0	512.0	490.0	525.0	501.0	388.0	344.0	341.0	895.0	2852.1	4418.2
77.5°	465.0	430.0	419.0	433.0	374.0	287.0	277.0	272.0	507.0	1827.1	2895.1
80°	337.0	328.0	327.0	334.0	288.0	211.0	211.0	212.0	273.0	992.0	1632.1
82.5°	214.0	234.0	207.0	230.0	196.0	150.0	140.0	159.0	157.0	423.0	688.0
85°	89.0	122.0	114.0	121.0	93.0	82.0	88.0	95.0	91.0	163.0	268.0
87.5°	17.0	20.0	22.0	21.0	21.0	26.0	29.0	35.0	35.0	47.0	81.0
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: P634797

CATALOG NUMBER: GWS-SA3C-740-U-SLL-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1	1630.1
2.5°	1793.1	1822.1	1816.1	1829.1	1812.1	1818.1	1784.1	1775.1	1769.1	1771.1
5°	1977.1	2036.1	2047.1	2069.1	2054.1	2054.1	1994.1	1949.1	1933.1	1921.1
7.5°	2164.1	2249.1	2305.1	2311.1	2303.1	2287.1	2200.1	2119.1	2090.1	2065.1
10°	2330.1	2432.1	2495.1	2525.1	2510.1	2485.1	2377.1	2266.1	2231.1	2209.1
12.5°	2457.1	2547.1	2589.1	2609.1	2607.1	2598.1	2510.1	2390.1	2353.1	2319.1
15°	2539.1	2584.1	2568.1	2567.1	2581.1	2617.1	2590.1	2496.1	2453.1	2422.1
17.5°	2592.1	2549.1	2478.1	2445.1	2475.1	2560.1	2622.1	2569.1	2530.1	2496.1
20°	2611.1	2458.1	2355.1	2294.1	2329.1	2452.1	2605.1	2622.1	2589.1	2561.1
22.5°	2589.1	2347.1	2207.1	2135.1	2169.1	2316.1	2555.1	2665.1	2643.1	2616.1
25°	2535.1	2231.1	2063.1	1998.1	2035.1	2185.1	2466.1	2705.1	2706.1	2684.1
27.5°	2468.1	2124.1	1962.1	1901.1	1937.1	2077.1	2379.1	2740.1	2775.1	2767.1
30°	2400.1	2060.1	1914.1	1871.1	1898.1	2022.1	2290.1	2776.1	2846.1	2860.1
32.5°	2369.1	2091.1	2027.1	2046.1	2011.1	2054.1	2258.1	2827.1	2932.1	2955.1
35°	2410.1	2366.1	2528.1	2603.1	2479.1	2316.1	2299.1	2904.1	3053.1	3087.1
37.5°	2609.1	2955.1	3197.1	3461.1	3246.1	2887.1	2502.1	3035.1	3226.1	3280.1
40°	3042.1	3469.1	3906.1	4247.1	3922.1	3439.1	2888.1	3230.1	3464.1	3513.1
42.5°	3450.1	3951.1	4553.2	4994.2	4572.2	3890.1	3304.1	3558.1	3778.1	3805.1
45°	3850.1	4424.2	5336.2	5949.2	5376.2	4319.2	3729.1	4112.1	4278.1	4279.1
47.5°	4319.2	4957.2	6318.2	7191.3	6443.2	4794.2	4128.1	4989.2	5220.2	5107.2
50°	4880.2	5487.2	7329.3	8636.3	7744.3	5378.2	4635.2	6058.2	6373.2	6245.2
52.5°	5631.2	6071.2	8443.3	10045.4	9162.3	6043.2	5370.2	7470.3	7574.3	7335.3
55°	6688.2	6914.2	9873.3	11785.4	10745.4	6862.2	6445.2	9242.3	8951.3	8266.3
57.5°	9095.3	8248.3	11709.4	13770.5	12536.4	8350.3	8801.3	11196.4	10161.4	9006.3
60°	11109.4	9868.3	13408.5	15740.6	14071.5	9990.3	11013.4	11536.4	10116.4	8924.3
62.5°	10430.4	10281.4	14021.5	15957.6	14595.5	10797.4	10602.4	10679.4	9456.3	8379.3
65°	9151.3	9484.3	13474.5	14928.5	14014.5	10074.4	9590.3	9887.3	8701.3	7616.3
67.5°	8396.3	8641.3	12501.4	13281.5	12958.5	9292.3	8803.3	8588.3	7529.3	6607.2
70°	7624.3	7827.3	11135.4	11214.4	11311.4	7992.3	7198.3	6558.2	5612.2	4967.2
72.5°	6588.2	6599.2	9408.3	8950.3	9134.3	6254.2	5794.2	4903.2	4085.1	3500.1
75°	5527.2	5225.2	7447.3	6256.2	6625.2	4865.2	4811.2	3695.1	3081.1	2601.1
77.5°	4214.1	3861.1	5440.2	4114.1	4653.2	3240.1	3617.1	2506.1	2168.1	1731.1
80°	2829.1	2609.1	3006.1	2322.1	3044.1	2233.1	2359.1	1420.0	1231.0	955.0
82.5°	1492.1	1274.0	1858.1	1377.0	1836.1	1227.0	885.0	439.0	374.0	302.0
85°	578.0	669.0	911.0	490.0	712.0	438.0	256.0	109.0	91.0	69.0
87.5°	112.0	173.0	95.0	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)