

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: P632375

Luminaire Tested: GWS-SA2C-750-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632375  
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-SA2C-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

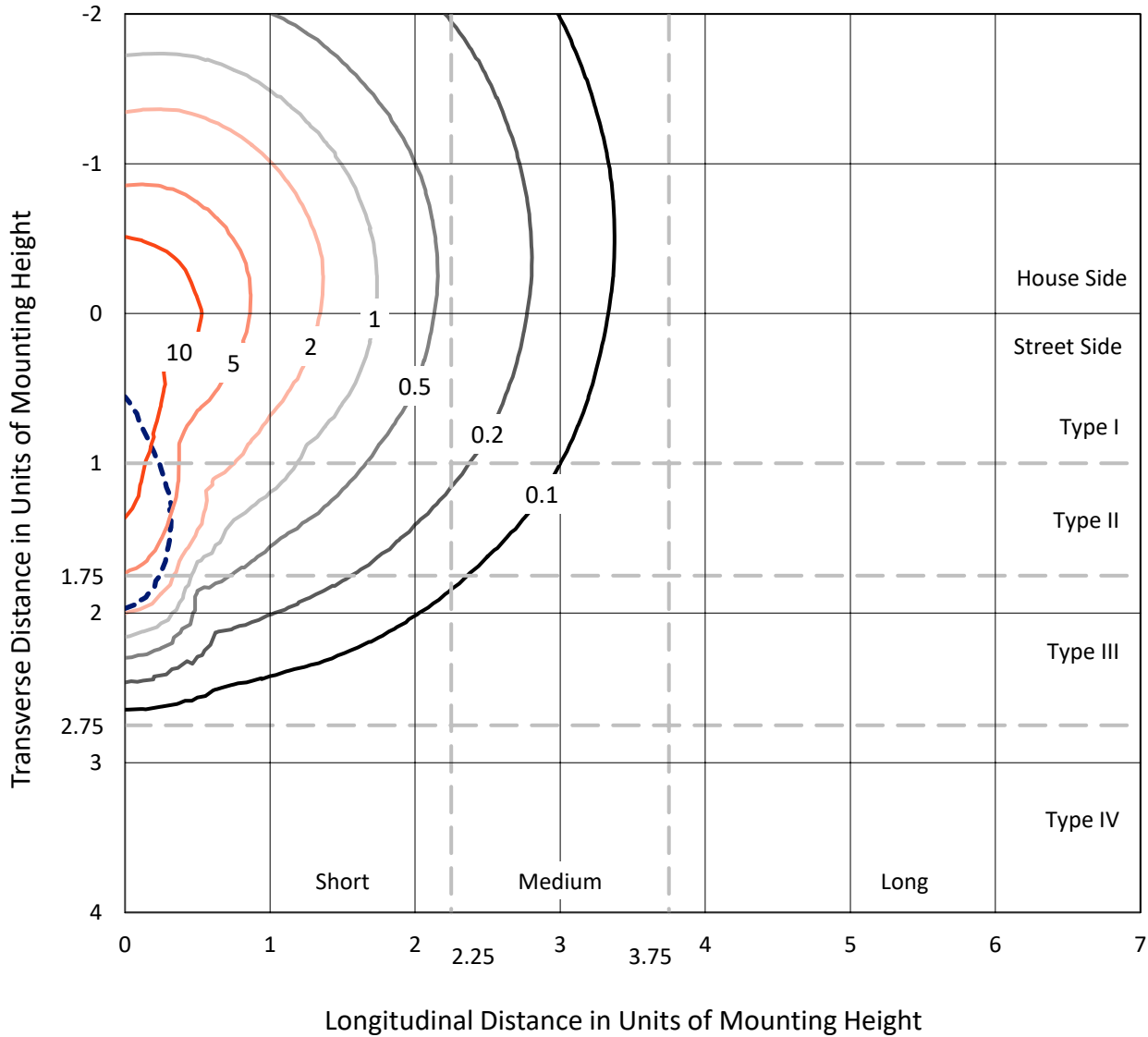
Lumens per Lamp: N/A  
Luminaire Lumens: 7369.2 lumens  
Efficiency: N/A  
Efficacy: 116.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

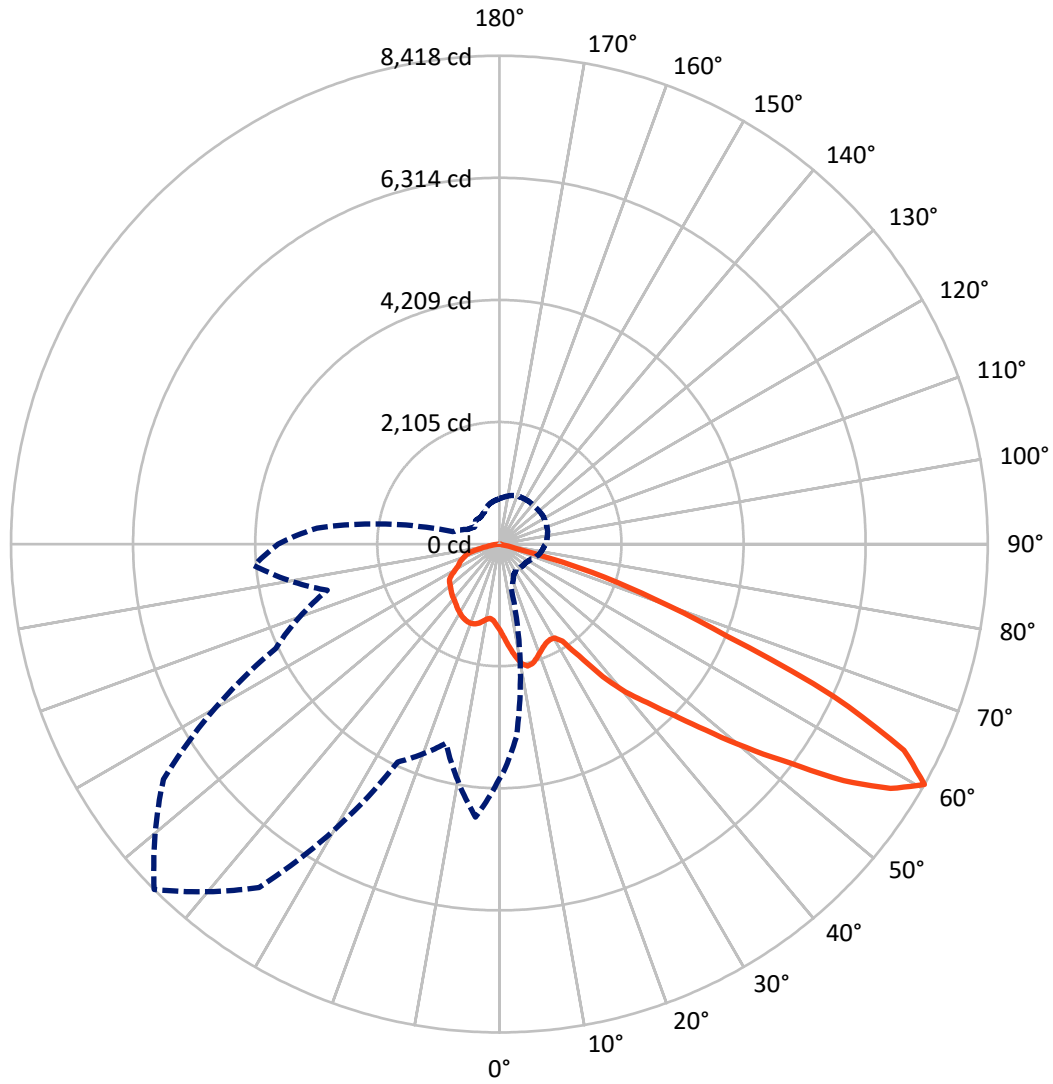
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.9 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
<b>House Side</b>	Lumens	2520.9	0.0	2520.9
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	4848.3	0.0	4848.3
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	7369.2	0.0	7369.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.2	2.0
10°-20°	465.8	6.3
20°-30°	758.5	10.3
30°-40°	1065.6	14.5
40°-50°	1458.1	19.8
50°-60°	1870.7	25.4
60°-70°	1259.7	17.1
70°-80°	314.9	4.3
80°-90°	30.7	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°	7369.2	100.0
0°-180°	7369.2	100.0

**Coefficient of Utilization**



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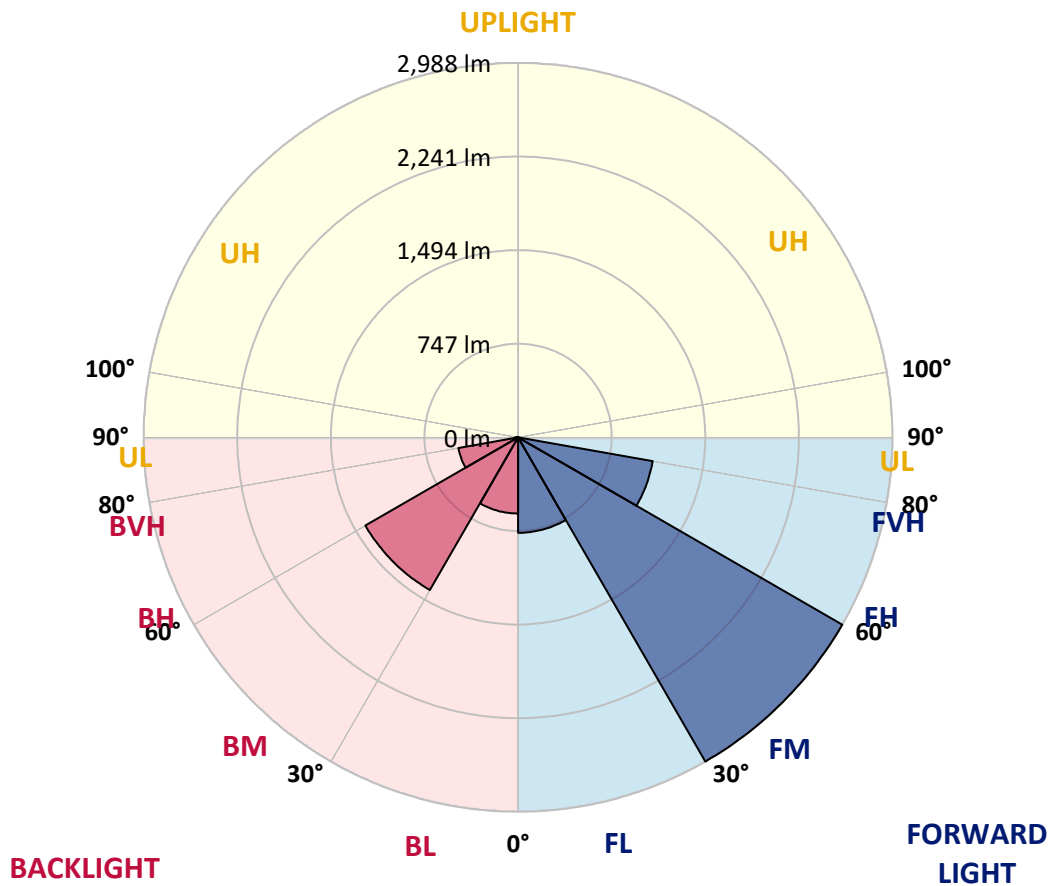
CATALOG NUMBER: GWS-SA2C-750-U-SLL-W-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	761.8	10.3			
FM (30°-60°)	2987.5	40.5			
FH (60°-80°)	1090.9	14.8			G1/1800
FVH (80°-90°)	8.0	0.1			G0/10
BL (0°-30°)	607.7	8.2	B2/1000		
BM (30°-60°)	1406.9	19.1	B2/2500		
BH (60°-80°)	483.6	6.6	B1/500		G1/500
BVH (80°-90°)	22.7	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-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3
2.5°	1572.5	1569.1	1565.7	1539.2	1532.4	1513.4	1499.9	1482.9	1458.5	1444.9	1433.4
5°	1670.9	1665.5	1647.1	1592.8	1557.5	1518.9	1487.0	1451.7	1414.4	1389.9	1370.9
7.5°	1763.9	1762.5	1731.3	1641.7	1584.7	1529.0	1485.6	1434.0	1380.4	1343.8	1319.3
10°	1850.1	1839.9	1802.5	1685.8	1611.2	1547.4	1500.5	1443.5	1381.1	1331.6	1299.0
12.5°	1926.1	1913.2	1861.6	1726.5	1634.2	1555.5	1504.6	1457.8	1416.4	1375.0	1337.7
15°	1988.5	1972.9	1920.6	1764.5	1654.6	1550.8	1479.5	1442.9	1457.1	1475.4	1434.0
17.5°	2046.9	2030.6	1966.8	1792.4	1660.7	1521.6	1417.7	1402.1	1474.1	1557.5	1538.5
20°	2095.7	2077.4	2003.4	1805.9	1649.8	1465.9	1337.7	1364.8	1459.8	1559.6	1590.1
22.5°	2148.7	2133.7	2044.8	1825.6	1636.3	1389.2	1270.5	1337.0	1435.4	1522.9	1569.1
25°	2233.5	2215.2	2109.3	1860.2	1629.5	1317.3	1222.3	1309.8	1401.5	1480.9	1516.8
27.5°	2356.3	2322.4	2197.5	1920.6	1637.0	1249.4	1191.7	1276.6	1362.1	1430.0	1459.1
30°	2490.0	2449.3	2295.3	1983.1	1647.8	1208.0	1175.5	1238.6	1301.7	1369.6	1401.5
32.5°	2648.2	2612.2	2399.8	2029.9	1624.7	1189.0	1163.2	1197.2	1247.4	1301.7	1328.2
35°	2836.8	2772.4	2513.8	2067.9	1550.1	1161.2	1152.4	1151.7	1178.2	1231.1	1261.0
37.5°	3039.8	2970.5	2654.3	2108.6	1434.0	1117.1	1126.6	1098.1	1122.5	1164.6	1198.5
40°	3206.0	3133.4	2796.1	2164.3	1288.8	1047.9	1069.6	1039.0	1054.0	1097.4	1135.4
42.5°	3368.9	3291.6	2928.5	2227.4	1148.3	980.0	990.9	979.3	984.1	1029.5	1082.5
45°	3582.7	3495.8	3091.3	2272.2	1022.1	926.4	916.2	896.5	921.6	980.7	1037.0
47.5°	3939.7	3835.8	3358.1	2301.4	930.5	895.8	849.0	837.5	868.7	934.5	992.9
50°	4357.1	4267.5	3784.3	2300.0	861.9	870.1	783.9	773.7	825.3	891.8	953.5
52.5°	4699.1	4608.2	4148.7	2232.1	805.6	815.1	745.9	717.4	787.9	849.7	911.5
55°	4975.3	4872.9	4316.3	1948.5	734.3	727.5	704.5	652.2	741.1	807.6	865.3
57.5°	4826.7	4704.5	4113.4	1481.5	661.0	618.3	633.2	594.5	677.3	760.8	816.4
60°	4046.9	3937.0	3341.8	788.6	581.6	516.5	547.7	553.8	607.4	704.5	761.5
62.5°	2779.8	2699.8	2264.7	478.5	458.8	414.7	463.5	507.6	547.7	629.8	679.3
65°	1360.1	1336.3	1132.7	306.8	321.0	335.3	384.1	437.7	496.8	568.7	621.0
67.5°	374.6	377.3	343.4	239.6	253.1	292.5	331.2	373.9	433.0	499.5	552.4
70°	164.9	167.6	173.1	184.6	210.4	246.4	286.4	330.5	384.8	440.5	491.4
72.5°	114.7	117.4	125.6	140.5	163.6	197.5	235.5	277.6	333.9	380.7	422.8
75°	70.6	72.6	80.1	93.0	108.6	134.4	171.7	210.4	259.9	302.7	340.0
77.5°	37.3	36.0	40.7	49.5	63.1	76.7	101.8	126.2	161.5	196.1	227.4
80°	20.4	19.7	22.4	27.1	31.2	42.1	59.0	75.3	95.7	115.4	132.3
82.5°	8.8	8.1	8.8	11.5	14.3	20.4	29.9	41.4	52.9	66.5	77.4
85°	0.0	0.0	0.0	0.7	3.4	5.4	10.2	14.9	21.7	29.9	36.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	6.1
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°	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3
2.5°	1426.6	1409.6	1408.2	1394.7	1396.0	1396.7	1383.1	1377.7	1382.5	1387.9	1385.2
5°	1364.1	1346.5	1339.0	1326.1	1324.8	1318.7	1313.2	1306.4	1311.2	1315.9	1318.7
7.5°	1309.8	1298.3	1293.5	1290.2	1291.5	1288.8	1277.9	1271.8	1271.2	1273.2	1275.9
10°	1292.2	1282.7	1288.8	1298.3	1305.1	1309.8	1298.3	1288.1	1278.6	1274.5	1274.5
12.5°	1330.2	1318.0	1330.2	1340.4	1353.9	1357.3	1344.4	1333.6	1330.2	1334.3	1342.4
15°	1414.4	1385.8	1385.2	1391.3	1402.1	1407.6	1395.3	1389.9	1389.9	1415.7	1436.1
17.5°	1498.5	1451.7	1432.0	1428.6	1435.4	1437.4	1427.2	1422.5	1434.7	1484.9	1522.9
20°	1557.5	1500.5	1457.8	1449.6	1451.7	1452.4	1444.2	1440.8	1458.5	1519.5	1551.4
22.5°	1551.4	1509.4	1457.1	1446.9	1450.3	1449.0	1441.5	1440.1	1454.4	1507.3	1522.3
25°	1509.4	1476.8	1432.7	1425.9	1431.3	1430.6	1423.2	1419.8	1425.9	1461.2	1462.5
27.5°	1461.2	1432.7	1394.7	1392.6	1401.5	1406.2	1393.3	1383.1	1381.1	1404.8	1399.4
30°	1403.5	1382.5	1351.9	1353.3	1369.6	1372.3	1356.7	1341.7	1337.7	1350.6	1343.1
32.5°	1334.9	1328.2	1311.9	1315.3	1330.9	1336.3	1320.0	1304.4	1299.7	1303.7	1288.1
35°	1276.6	1273.9	1275.2	1281.3	1294.9	1299.0	1285.4	1273.2	1266.4	1252.1	1231.8
37.5°	1216.2	1223.6	1243.3	1254.9	1262.3	1261.0	1253.5	1244.7	1233.8	1207.4	1182.2
40°	1159.8	1178.9	1214.1	1227.0	1229.8	1230.4	1225.0	1217.5	1204.0	1168.7	1140.2
42.5°	1116.4	1137.5	1184.3	1204.0	1205.3	1206.7	1201.2	1195.1	1176.1	1129.3	1101.5
45°	1070.9	1098.8	1153.7	1177.5	1176.1	1175.5	1170.7	1168.0	1145.6	1091.3	1060.8
47.5°	1032.3	1064.8	1123.9	1144.2	1143.6	1142.9	1139.5	1139.5	1117.1	1058.0	1023.4
50°	994.3	1031.6	1093.3	1110.3	1111.7	1110.3	1108.9	1111.0	1084.5	1021.4	987.5
52.5°	952.9	994.9	1059.4	1075.0	1083.2	1086.6	1086.6	1081.8	1050.6	984.8	947.4
55°	907.4	947.4	1022.1	1043.1	1049.9	1056.0	1056.0	1046.5	1017.3	950.8	910.8
57.5°	851.1	886.3	945.4	966.4	982.7	986.8	986.8	971.2	947.4	883.6	851.1
60°	790.0	820.5	860.6	883.0	895.2	887.0	893.1	889.1	870.1	811.0	783.9
62.5°	708.5	739.8	783.9	806.9	812.4	804.2	812.4	811.7	785.9	733.0	700.4
65°	650.2	680.7	724.1	754.0	762.8	760.8	766.2	758.1	726.2	676.0	644.7
67.5°	580.9	613.5	663.7	697.0	715.3	717.4	724.8	707.9	675.3	620.3	580.9
70°	515.1	542.9	581.6	612.8	638.6	651.5	652.9	628.4	587.7	542.3	513.8
72.5°	445.9	474.4	521.2	555.2	587.7	602.7	602.7	572.8	528.7	478.5	447.9
75°	361.7	388.2	431.0	467.6	504.9	523.9	523.3	497.5	448.6	401.1	369.2
77.5°	245.0	264.7	291.8	319.7	325.1	340.0	347.5	314.9	287.8	262.0	233.5
80°	142.5	154.7	169.7	185.3	188.7	193.4	181.2	169.0	154.7	137.8	124.9
82.5°	83.5	91.6	99.1	111.3	113.3	114.7	103.8	98.4	86.9	76.7	68.5
85°	40.7	43.4	50.2	56.3	53.6	52.3	47.5	42.1	37.3	33.3	29.2
87.5°	8.1	8.1	12.2	11.5	9.5	8.1	4.8	6.1	1.4	1.4	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°	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3
2.5°	1394.0	1405.5	1419.8	1438.8	1460.5	1483.6	1506.0	1522.9	1539.9	1565.0	1560.9
5°	1322.7	1342.4	1364.8	1394.0	1429.3	1469.3	1514.1	1558.9	1607.1	1647.8	1665.5
7.5°	1281.3	1303.0	1329.5	1367.5	1413.0	1461.9	1525.0	1597.6	1675.6	1729.3	1762.5
10°	1281.3	1309.2	1343.8	1380.4	1420.5	1470.7	1548.7	1639.7	1740.1	1810.7	1849.4
12.5°	1355.3	1383.1	1390.6	1389.2	1411.6	1467.3	1567.7	1683.8	1803.9	1878.6	1926.1
15°	1470.7	1480.2	1423.9	1372.3	1375.7	1442.9	1576.6	1719.1	1858.9	1948.5	2000.0
17.5°	1548.0	1522.9	1422.5	1332.2	1313.2	1401.5	1576.6	1753.0	1917.2	2018.4	2066.6
20°	1554.2	1491.7	1387.9	1293.5	1244.7	1346.5	1565.7	1778.8	1973.6	2085.6	2137.1
22.5°	1500.5	1438.8	1351.2	1260.3	1188.4	1280.0	1548.0	1798.5	2021.8	2148.7	2212.5
25°	1439.5	1387.9	1313.9	1226.4	1149.7	1212.8	1531.8	1831.7	2088.9	2234.2	2298.7
27.5°	1379.7	1336.3	1269.1	1197.9	1128.0	1154.4	1521.6	1880.6	2169.0	2355.7	2411.3
30°	1321.4	1282.0	1220.9	1170.7	1116.4	1116.4	1512.8	1936.9	2274.9	2492.1	2547.7
32.5°	1262.3	1225.0	1175.5	1144.2	1109.6	1101.5	1488.3	1989.9	2384.2	2641.4	2698.4
35°	1207.4	1170.0	1132.0	1119.1	1106.2	1089.9	1427.9	2031.3	2490.7	2815.8	2864.7
37.5°	1155.8	1119.8	1091.3	1087.9	1089.3	1058.7	1332.9	2065.9	2623.7	2994.3	3020.1
40°	1111.0	1070.9	1048.5	1047.9	1054.7	1008.5	1212.8	2115.4	2775.8	3145.6	3134.8
42.5°	1070.9	1028.9	1001.7	1007.8	1003.8	958.3	1095.4	2160.9	2908.1	3287.5	3265.8
45°	1031.6	990.9	952.9	961.7	956.9	927.1	995.6	2194.1	3054.7	3457.8	3460.5
47.5°	993.6	953.5	915.5	904.7	904.0	917.6	918.9	2205.0	3293.6	3732.0	3670.3
50°	958.3	918.2	878.9	842.2	856.5	898.6	861.9	2196.9	3651.2	4034.7	3862.3
52.5°	921.6	883.6	840.2	774.4	811.7	853.1	811.0	2167.7	3869.8	4302.1	4198.9
55°	879.6	843.6	784.5	704.5	749.9	758.8	758.8	1885.3	3962.8	4566.8	4630.6
57.5°	823.2	775.7	682.1	617.6	658.3	624.4	703.1	1319.3	3809.4	4483.3	4731.0
60°	759.4	708.5	609.4	563.3	575.5	515.8	599.3	827.3	3157.2	3814.8	4243.7
62.5°	675.3	628.4	546.3	510.4	485.2	420.8	482.5	523.3	2164.3	2832.8	3125.3
65°	618.9	567.4	494.1	446.6	395.0	338.7	320.3	343.4	1163.9	1585.4	1782.9
67.5°	552.4	501.5	432.3	372.6	331.2	290.5	258.6	250.4	399.1	528.0	571.4
70°	489.3	440.5	382.8	327.1	285.7	245.7	214.5	192.1	184.6	183.2	180.5
72.5°	424.8	379.4	331.2	279.6	234.1	197.5	169.7	143.9	133.0	129.6	126.2
75°	348.2	312.2	264.0	208.4	171.7	137.8	116.1	99.1	89.6	86.2	82.1
77.5°	224.0	207.7	165.6	134.4	103.8	82.1	70.6	59.7	53.6	52.3	48.9
80°	119.4	111.3	91.6	77.4	61.8	50.2	44.1	38.0	34.6	33.3	31.9
82.5°	66.5	60.4	50.9	44.8	36.0	30.5	27.1	24.4	22.4	21.7	21.0
85°	29.9	25.8	20.4	19.0	17.0	15.6	14.9	13.6	12.9	12.2	11.5
87.5°	1.4	2.7	3.4	2.7	2.7	4.1	4.8	4.8	4.1	4.1	3.4
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: P632375

CATALOG NUMBER: GWS-SA2C-750-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3	1486.3
2.5°	1586.1	1606.4	1608.5	1615.2	1606.4	1604.4	1590.1	1582.0	1574.5	1572.5
5°	1709.6	1750.3	1766.6	1778.1	1767.3	1761.8	1730.6	1698.0	1679.7	1670.9
7.5°	1836.5	1897.6	1929.5	1943.7	1945.1	1920.6	1867.0	1805.9	1775.4	1763.9
10°	1949.8	2025.2	2067.2	2094.4	2084.9	2055.0	1981.7	1898.9	1860.2	1850.1
12.5°	2034.0	2105.9	2138.5	2156.1	2155.5	2139.2	2069.9	1980.4	1936.2	1926.1
15°	2088.3	2131.0	2133.1	2137.1	2148.7	2170.4	2134.4	2051.6	2002.8	1988.5
17.5°	2131.0	2114.1	2082.2	2071.3	2097.1	2157.5	2179.2	2112.0	2059.1	2046.9
20°	2158.2	2072.7	2016.3	1995.3	2025.2	2123.6	2206.4	2166.3	2111.3	2095.7
22.5°	2179.2	2034.0	1943.0	1928.8	1960.0	2086.9	2234.2	2230.8	2170.4	2148.7
25°	2212.5	2008.2	1891.5	1881.3	1910.5	2069.3	2271.5	2318.3	2264.7	2233.5
27.5°	2264.7	2005.5	1865.0	1861.6	1901.6	2084.9	2325.1	2446.6	2379.4	2356.3
30°	2337.3	2031.3	1871.1	1877.9	1926.7	2141.2	2408.6	2593.2	2526.0	2490.0
32.5°	2441.9	2100.5	1964.1	1993.3	2029.2	2231.5	2530.8	2752.0	2701.1	2648.2
35°	2579.6	2290.5	2238.9	2363.1	2329.2	2429.0	2678.0	2944.8	2883.0	2836.8
37.5°	2763.5	2680.1	2727.6	2898.6	2816.5	2802.2	2857.9	3119.9	3085.9	3039.8
40°	3021.4	3038.4	3126.0	3350.6	3231.8	3140.2	3078.5	3251.5	3263.0	3206.0
42.5°	3192.5	3270.5	3481.6	3736.8	3573.2	3354.0	3263.0	3419.8	3420.5	3368.9
45°	3256.3	3460.5	3901.7	4195.5	3922.0	3476.2	3364.9	3648.5	3641.7	3582.7
47.5°	3233.2	3620.7	4338.1	4787.3	4370.0	3563.0	3350.6	3974.3	4029.3	3939.7
50°	3185.0	3781.6	4847.7	5512.2	4919.7	3655.3	3328.9	4335.3	4426.3	4357.1
52.5°	3233.9	3960.7	5450.4	6261.4	5609.2	3802.6	3475.5	4798.9	4782.6	4699.1
55°	3388.6	4172.5	6182.7	7202.7	6366.6	4051.7	3852.1	5240.7	5075.1	4975.3
57.5°	3381.1	4323.8	6824.7	7947.2	7025.6	4255.9	3983.1	5287.5	4952.9	4826.7
60°	3068.9	4254.6	7069.0	8418.2	7224.5	4143.3	3552.2	4722.9	4179.3	4046.9
62.5°	2290.5	3775.4	6595.3	7828.5	6661.8	3578.6	2671.2	3390.0	3003.1	2779.8
65°	1465.3	2953.6	5544.7	6342.2	5491.1	2737.1	1590.8	1817.5	1423.9	1360.1
67.5°	623.7	2084.9	4310.2	4239.0	4108.0	1773.4	614.2	511.7	381.4	374.6
70°	206.3	1418.4	2657.0	2827.3	2453.4	1221.6	202.9	171.7	171.0	164.9
72.5°	135.1	761.5	1495.8	1665.5	1578.6	703.1	122.8	114.7	117.4	114.7
75°	80.8	165.6	251.8	327.1	251.8	118.1	74.0	72.6	74.0	70.6
77.5°	47.5	46.1	44.8	44.8	44.1	40.7	37.3	36.0	36.6	37.3
80°	30.5	29.2	27.8	27.1	23.8	22.4	21.0	19.7	19.7	20.4
82.5°	19.7	18.3	17.0	14.9	12.2	10.2	9.5	8.1	8.1	8.8
85°	10.2	8.1	6.1	4.8	2.7	1.4	0.0	0.0	0.0	0.0
87.5°	2.0	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)