

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: P632599

Luminaire Tested: GWS-SA2D-722-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632599
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-SA2D-722-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT 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: 6729 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

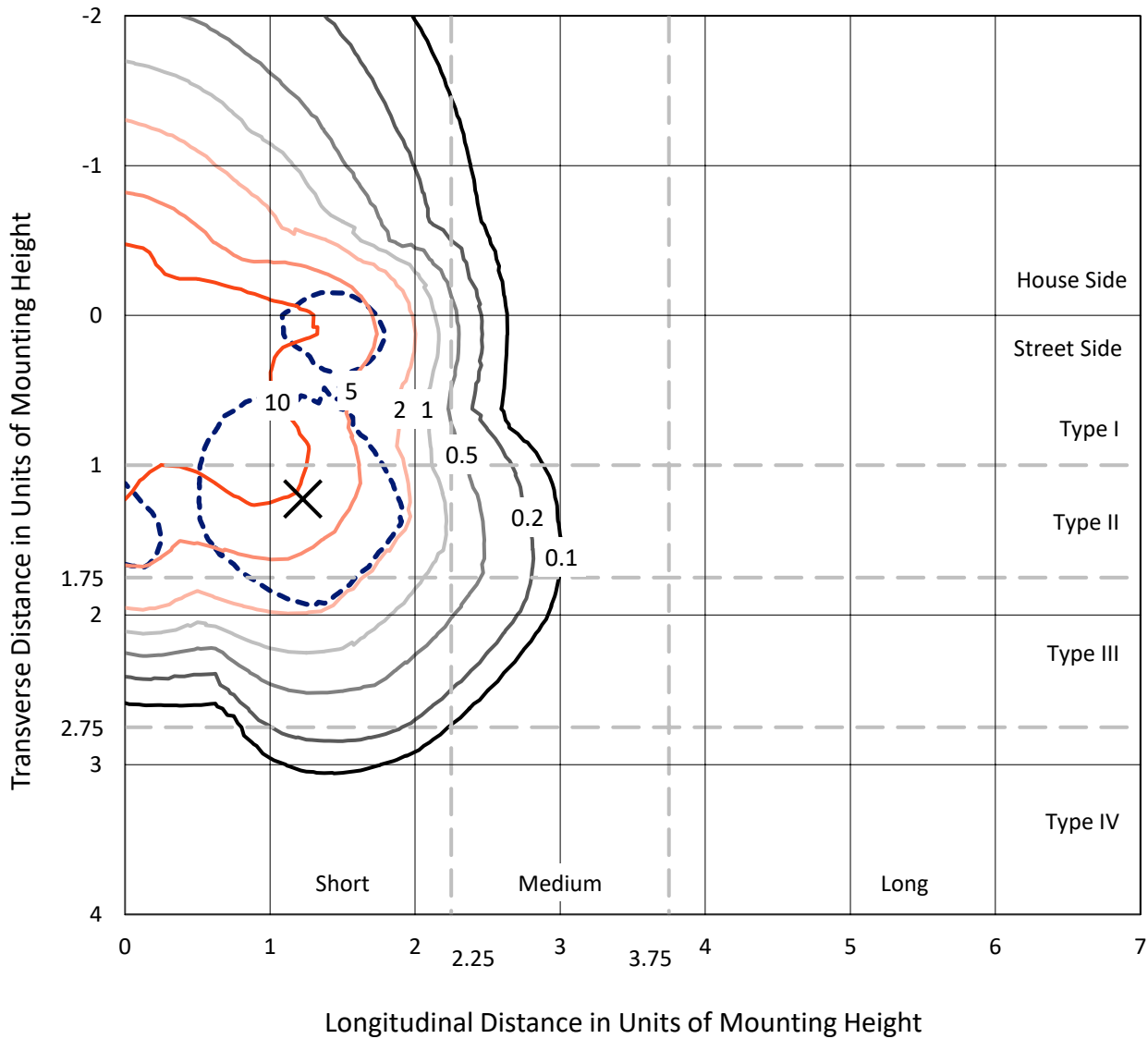
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

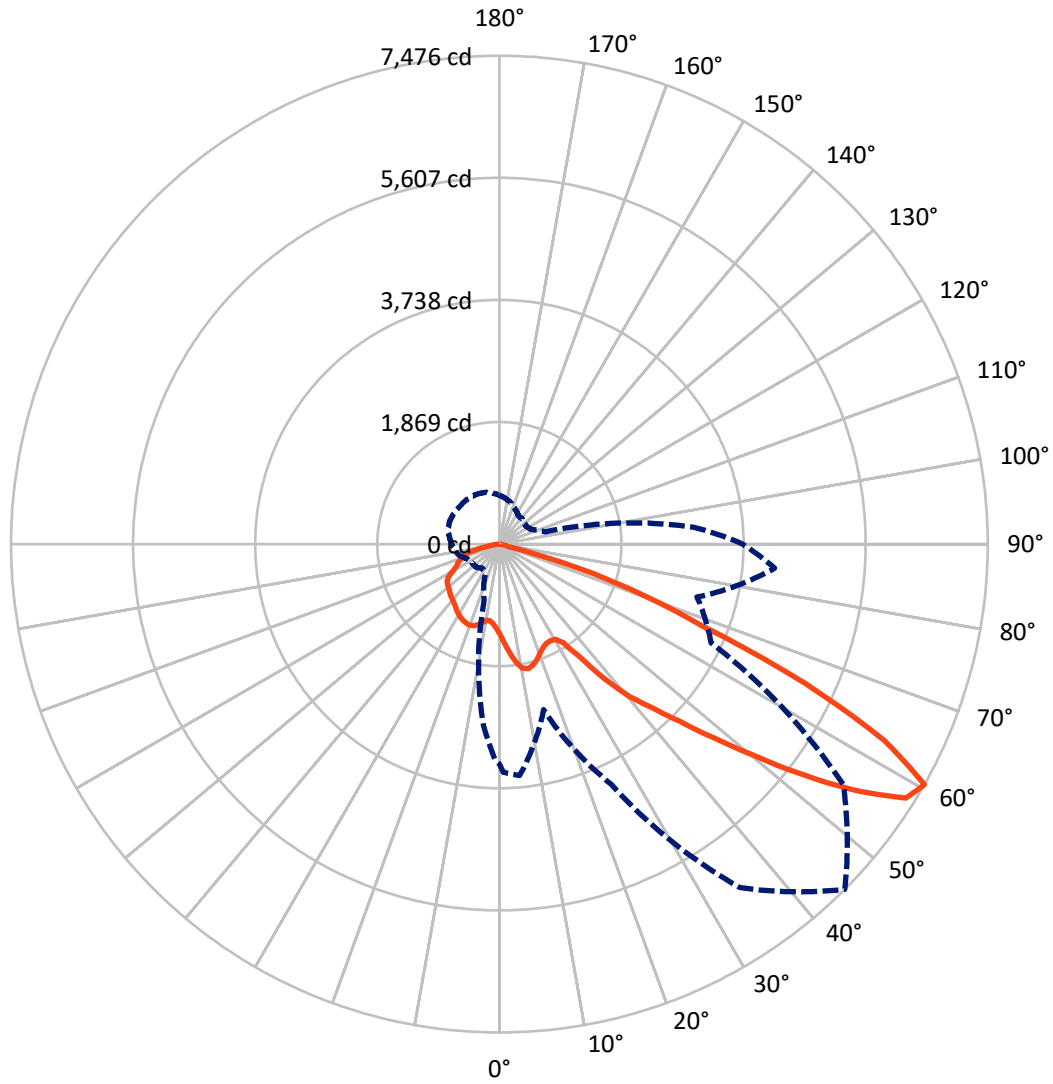
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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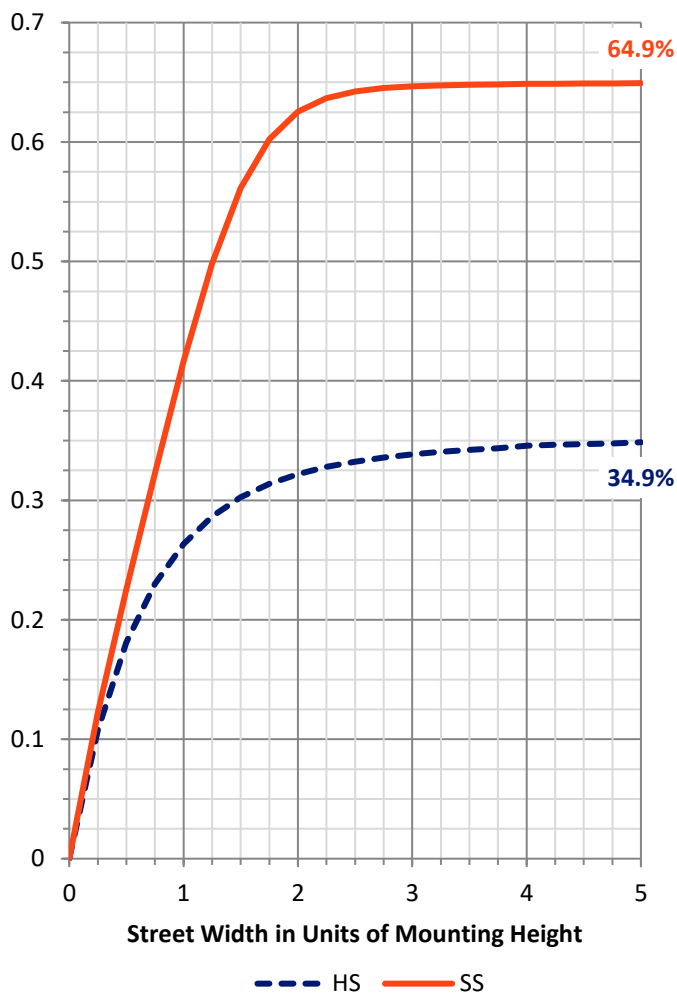
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2358.7	0.0	2358.7
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	4370.2	0.0	4370.2
	% Fixture	64.9	0.0	64.9
Total	Lumens	6729.0	0.0	6729.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.9	2.0
10°-20°	426.2	6.3
20°-30°	692.3	10.3
30°-40°	976.3	14.5
40°-50°	1349.3	20.1
50°-60°	1736.9	25.8
60°-70°	1100.5	16.4
70°-80°	282.4	4.2
80°-90°	30.2	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°	6729.0	100.0
0°-180°	6729.0	100.0

Coefficient of Utilization



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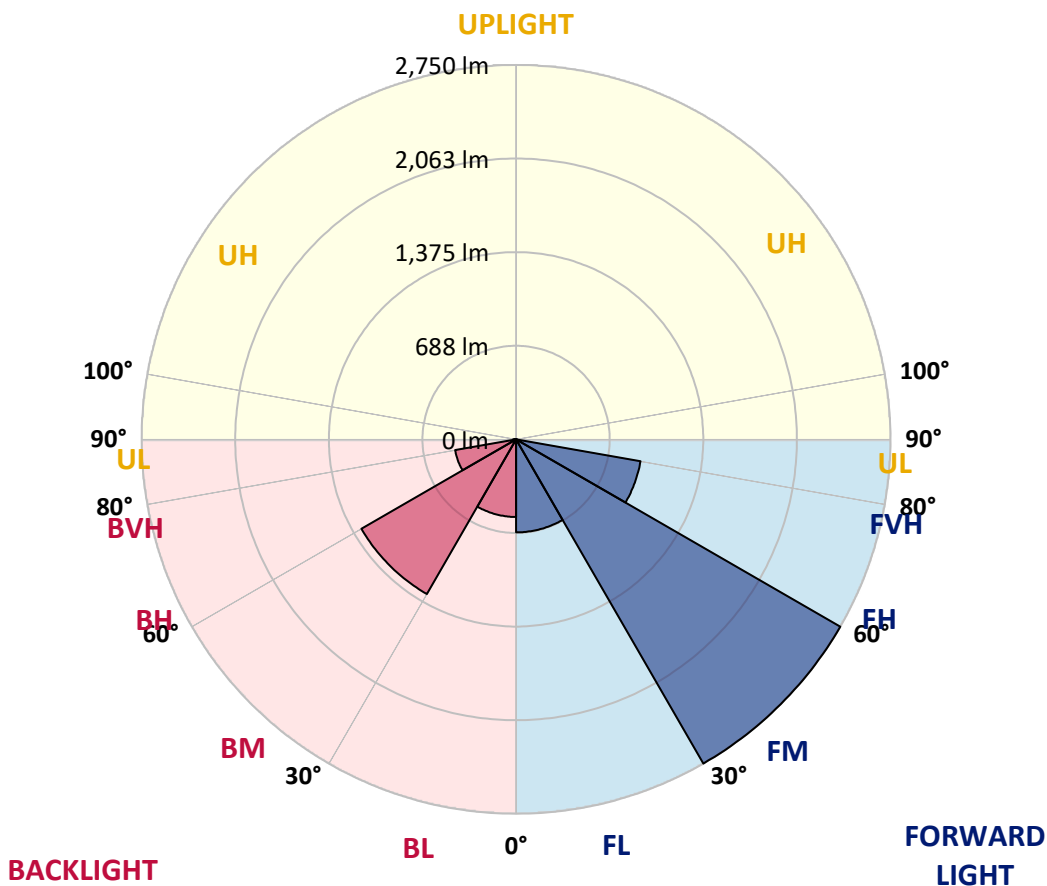
CATALOG NUMBER: GWS-SA2D-722-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	683.2	10.2			
FM (30°-60°)	2750.4	40.9			
FH (60°-80°)	928.4	13.8			G1/1800
FVH (80°-90°)	8.2	0.1			G0/10
BL (0°-30°)	570.1	8.5	B2/1000		
BM (30°-60°)	1312.1	19.5	B2/2500		
BH (60°-80°)	454.6	6.8	B1/500		G1/500
BVH (80°-90°)	22.0	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3
2.5°	1445.8	1455.7	1461.9	1473.6	1494.5	1506.3	1519.2	1505.0	1508.7	1506.9	1484.1
5°	1531.5	1543.3	1559.3	1593.8	1632.7	1654.2	1674.6	1671.5	1652.4	1620.3	1597.5
7.5°	1611.7	1625.3	1653.0	1709.1	1766.5	1799.7	1824.4	1808.4	1792.3	1741.8	1684.4
10°	1674.6	1682.6	1720.2	1795.4	1862.0	1899.6	1929.8	1926.1	1903.9	1847.2	1770.2
12.5°	1733.8	1739.3	1780.0	1855.2	1915.0	1931.7	1956.4	1964.4	1957.0	1914.4	1838.6
15°	1797.3	1807.8	1845.4	1902.7	1929.8	1912.6	1921.2	1943.4	1964.4	1964.4	1894.7
17.5°	1856.5	1865.7	1903.9	1928.6	1902.7	1857.1	1859.6	1887.9	1937.9	1990.3	1945.9
20°	1908.9	1917.5	1955.1	1931.7	1849.7	1783.1	1781.2	1815.8	1896.5	2006.9	2000.7
22.5°	1966.2	1978.6	2010.0	1934.2	1800.4	1715.9	1715.3	1751.0	1860.2	2023.6	2063.6
25°	2047.6	2066.7	2082.7	1955.7	1773.9	1672.1	1680.1	1714.0	1848.5	2050.7	2156.7
27.5°	2168.5	2183.9	2182.6	2000.7	1772.6	1654.2	1670.9	1710.3	1869.4	2098.8	2254.8
30°	2299.2	2307.2	2294.2	2063.6	1801.0	1665.3	1690.0	1736.9	1922.4	2178.3	2399.0
32.5°	2444.1	2453.9	2429.3	2158.0	1867.0	1747.3	1801.6	1824.4	1997.0	2293.0	2552.0
35°	2610.5	2629.6	2578.5	2282.5	2061.2	2046.4	2125.3	2095.7	2155.5	2428.6	2715.3
37.5°	2785.6	2786.2	2712.9	2466.9	2442.2	2467.5	2625.3	2532.8	2491.5	2579.7	2881.8
40°	2934.2	2930.5	2817.7	2715.3	2773.9	2874.4	3064.9	2923.1	2814.6	2782.5	3019.9
42.5°	3082.8	3069.2	2955.2	2873.2	3002.7	3209.2	3424.4	3250.5	3021.8	2966.9	3156.2
45°	3272.7	3268.4	3130.9	2936.1	3209.2	3584.1	3869.5	3587.8	3144.5	3074.2	3383.1
47.5°	3579.1	3558.2	3302.3	2931.1	3402.8	4083.5	4444.2	4012.6	3230.2	3076.6	3749.3
50°	3878.8	3852.9	3507.0	2930.5	3602.6	4601.4	5122.4	4528.7	3317.7	3091.4	4121.7
52.5°	4181.5	4181.5	3843.0	3000.2	3812.2	5179.7	5906.1	5171.7	3466.9	3285.0	4579.8
55°	4361.6	4409.7	4221.0	3118.0	4057.6	5860.4	6681.1	5866.0	3697.5	3634.6	5002.8
57.5°	4132.8	4222.8	4195.7	3036.0	4202.5	6360.5	7338.3	6392.5	3811.6	3675.9	4939.3
60°	3367.7	3492.8	3555.1	2621.6	4059.4	6418.4	7475.8	6427.1	3576.1	3130.3	4230.9
62.5°	2238.7	2341.7	2436.7	1873.1	3514.4	5774.1	6612.0	5776.0	2986.6	2336.2	2931.1
65°	1098.1	1174.6	1276.9	1107.3	2745.6	4824.6	5155.1	4667.4	2160.4	1307.7	1495.2
67.5°	287.3	308.9	323.1	429.7	1966.8	3466.3	3362.1	3413.9	1387.9	427.3	390.9
70°	149.2	150.4	149.8	177.6	1329.3	2203.0	2317.0	2143.8	968.6	178.8	154.1
72.5°	106.7	107.3	105.4	119.6	641.8	1262.1	1307.7	1293.5	507.4	106.0	105.4
75°	69.7	70.3	69.1	70.3	96.8	143.7	132.6	139.3	84.5	67.2	67.2
77.5°	41.3	41.9	41.3	42.5	41.3	41.3	38.2	38.2	36.4	36.4	37.0
80°	27.7	27.7	27.1	28.4	25.9	25.9	24.7	24.0	22.2	21.6	21.6
82.5°	16.6	17.3	16.6	16.6	15.4	15.4	14.2	13.6	11.7	11.7	11.1
85°	8.6	8.6	8.0	8.0	6.8	6.2	4.9	4.9	3.7	3.1	3.1
87.5°	1.2	1.2	0.6	0.6	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3
2.5°	1477.9	1465.6	1447.1	1429.2	1412.5	1395.3	1375.6	1355.2	1337.9	1320.1	1310.8
5°	1567.3	1542.0	1493.9	1451.4	1413.2	1381.7	1347.8	1318.8	1291.7	1269.5	1258.4
7.5°	1648.1	1608.6	1535.9	1468.7	1416.9	1373.7	1326.8	1283.7	1247.3	1220.2	1209.7
10°	1722.7	1675.8	1580.3	1495.2	1434.7	1386.6	1329.3	1270.7	1222.6	1186.9	1178.3
12.5°	1783.1	1729.5	1615.4	1516.7	1445.2	1393.4	1342.9	1292.3	1244.8	1198.6	1191.2
15°	1836.7	1773.2	1641.9	1530.3	1441.5	1375.6	1333.0	1326.8	1326.8	1274.4	1259.6
17.5°	1883.0	1813.3	1663.5	1536.5	1418.1	1322.5	1296.6	1350.3	1410.7	1373.1	1339.8
20°	1936.0	1851.5	1681.4	1536.5	1374.9	1255.3	1252.9	1344.1	1433.5	1434.1	1399.0
22.5°	1989.6	1895.9	1702.3	1530.9	1315.7	1177.6	1223.3	1319.4	1399.0	1432.9	1408.8
25°	2076.6	1957.6	1735.6	1526.6	1246.7	1124.6	1196.7	1286.8	1354.0	1389.7	1374.3
27.5°	2186.9	2039.0	1786.2	1533.4	1178.3	1093.2	1168.4	1244.2	1305.3	1336.7	1325.6
30°	2310.3	2132.7	1840.4	1545.1	1128.9	1077.1	1134.5	1195.5	1249.8	1281.2	1276.3
32.5°	2467.5	2234.4	1887.3	1529.1	1101.2	1069.1	1098.7	1142.5	1194.9	1214.6	1218.9
35°	2655.5	2346.6	1923.1	1466.2	1075.9	1060.5	1059.9	1087.0	1124.0	1155.4	1158.5
37.5°	2828.8	2478.0	1962.5	1358.3	1030.3	1038.9	1014.2	1030.3	1066.7	1098.1	1110.4
40°	3000.2	2611.1	2017.4	1220.8	970.5	990.8	961.8	972.9	1001.9	1043.2	1063.0
42.5°	3166.7	2731.4	2075.4	1080.2	910.7	923.6	902.0	913.1	943.3	995.1	1017.3
45°	3347.9	2894.1	2120.4	947.7	858.9	853.3	836.1	852.1	897.7	954.4	981.0
47.5°	3690.7	3150.6	2150.0	859.5	831.1	791.1	771.3	805.8	857.6	915.0	947.0
50°	4109.4	3521.8	2141.3	803.4	807.1	726.9	720.1	765.8	821.3	881.1	916.2
52.5°	4441.1	3886.2	2043.3	749.7	760.2	686.2	666.5	733.1	786.1	847.2	883.5
55°	4694.5	4008.9	1742.4	686.2	683.8	656.6	615.3	699.2	751.0	807.7	847.2
57.5°	4488.0	3735.8	1291.7	598.7	583.9	598.1	558.0	641.8	707.8	763.9	799.1
60°	3724.7	2978.6	719.5	530.2	488.3	522.8	516.7	581.4	661.0	720.1	750.4
62.5°	2528.5	1983.5	426.7	419.3	395.8	445.2	477.8	520.4	598.7	646.8	675.1
65°	1260.3	963.7	283.6	313.8	316.9	366.2	427.9	474.8	540.1	589.4	617.8
67.5°	365.6	299.6	215.8	239.8	273.1	312.6	361.9	417.4	480.9	539.5	572.8
70°	157.8	159.7	171.4	199.8	232.4	273.1	322.5	376.7	430.4	475.4	500.6
72.5°	111.6	115.9	128.9	157.8	188.7	227.5	276.8	329.2	368.1	413.7	440.2
75°	71.5	74.6	85.1	107.3	130.1	167.7	214.6	262.7	302.7	335.4	360.7
77.5°	39.5	40.1	48.7	61.7	77.1	101.1	135.6	173.3	202.8	221.3	244.2
80°	22.8	22.8	27.1	35.1	44.4	59.2	78.3	96.8	114.7	126.4	137.5
82.5°	12.3	12.3	14.2	19.1	24.0	32.7	43.8	53.0	64.1	70.3	77.7
85°	3.7	3.7	4.9	6.8	8.6	12.3	17.3	22.2	27.1	31.4	35.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
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°	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3
2.5°	1309.0	1300.3	1295.4	1289.2	1291.1	1285.5	1282.5	1284.3	1273.2	1284.3	1295.4
5°	1254.1	1241.8	1231.9	1223.9	1220.2	1212.8	1208.5	1208.5	1201.7	1212.8	1226.3
7.5°	1206.0	1196.1	1191.2	1186.3	1180.7	1173.9	1166.5	1164.1	1159.8	1171.5	1183.2
10°	1173.9	1175.2	1178.3	1185.0	1183.8	1179.5	1168.4	1162.2	1162.2	1175.8	1193.7
12.5°	1188.7	1201.7	1209.1	1221.4	1223.9	1220.2	1209.1	1204.1	1216.5	1236.8	1266.4
15°	1246.1	1254.7	1260.9	1270.7	1270.1	1267.0	1258.4	1262.1	1302.8	1342.3	1368.8
17.5°	1308.3	1298.5	1297.2	1303.4	1305.3	1301.6	1296.6	1313.3	1380.5	1417.5	1431.0
20°	1353.4	1319.4	1312.0	1314.5	1319.4	1317.6	1317.6	1344.7	1414.4	1431.7	1414.4
22.5°	1366.9	1318.8	1307.7	1308.3	1315.1	1315.7	1318.8	1347.2	1387.9	1388.5	1362.0
25°	1345.3	1299.1	1291.1	1292.3	1300.3	1299.7	1300.9	1317.0	1334.9	1327.5	1307.7
27.5°	1304.6	1264.6	1262.1	1268.9	1279.4	1273.8	1270.1	1274.4	1283.1	1273.8	1256.6
30°	1258.4	1224.5	1225.7	1238.7	1249.8	1240.5	1231.3	1233.7	1234.4	1224.5	1204.8
32.5°	1209.7	1184.4	1188.7	1202.3	1215.2	1205.4	1195.5	1194.3	1182.6	1170.9	1151.7
35°	1161.0	1151.1	1156.7	1167.8	1178.9	1170.9	1164.7	1161.0	1135.7	1118.4	1102.4
37.5°	1116.6	1124.0	1133.9	1140.6	1144.3	1143.7	1140.0	1131.4	1098.1	1077.8	1056.8
40°	1077.1	1099.9	1110.4	1113.5	1119.1	1117.8	1117.2	1104.9	1061.1	1039.5	1015.5
42.5°	1041.4	1073.4	1091.3	1094.4	1097.5	1098.1	1096.2	1078.4	1028.4	1003.1	980.3
45°	1006.8	1048.8	1071.6	1068.5	1072.8	1072.8	1074.7	1051.2	996.4	970.5	946.4
47.5°	976.6	1026.0	1046.9	1043.2	1045.7	1047.5	1049.4	1022.3	961.2	936.6	911.9
50°	948.9	1001.3	1019.2	1020.4	1020.4	1024.7	1024.1	997.6	931.6	905.1	880.5
52.5°	919.3	976.0	995.1	1003.1	1005.6	1007.5	998.8	968.0	901.4	869.4	846.5
55°	884.8	950.1	967.4	977.9	982.8	981.6	969.9	938.4	870.6	838.5	812.6
57.5°	832.4	894.6	919.3	924.2	932.2	927.3	913.7	887.2	821.3	789.2	762.7
60°	775.0	820.0	839.8	844.1	837.9	839.8	837.9	812.6	755.3	730.0	702.9
62.5°	699.8	739.9	760.8	766.4	755.9	762.7	760.2	728.8	671.4	644.9	620.9
65°	643.1	686.9	711.5	714.6	711.5	714.6	706.0	667.7	613.5	586.4	561.7
67.5°	598.7	643.7	669.6	678.2	675.1	674.5	661.0	616.6	560.5	530.9	499.4
70°	522.2	561.7	595.0	615.9	615.9	604.2	578.3	537.0	492.0	466.7	442.1
72.5°	462.4	512.4	545.0	566.6	570.9	564.2	527.8	484.0	432.2	406.9	381.0
75°	381.0	429.7	464.9	493.3	498.8	491.4	449.5	406.3	358.2	333.6	307.7
77.5°	254.6	283.6	312.0	337.9	332.3	337.3	308.9	276.2	246.6	228.1	216.4
80°	143.7	162.8	171.4	185.6	185.6	185.6	167.1	151.7	135.0	124.5	112.8
82.5°	81.4	93.7	97.4	109.1	112.2	112.8	100.5	90.6	80.2	74.6	66.6
85°	37.6	44.4	45.0	51.8	54.3	59.2	53.6	46.9	40.7	38.2	33.3
87.5°	1.2	3.7	4.9	9.2	12.3	14.2	15.4	15.4	12.9	11.7	9.9
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: P632599

CATALOG NUMBER: GWS-SA2D-722-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3	1382.3
2.5°	1309.0	1323.8	1341.0	1353.4	1375.6	1394.0	1413.2	1434.1	1449.5	1445.8
5°	1243.0	1267.7	1299.1	1328.1	1369.4	1411.3	1457.6	1505.0	1532.8	1531.5
7.5°	1206.0	1241.1	1279.4	1318.2	1366.9	1427.3	1498.2	1572.2	1609.8	1611.7
10°	1225.7	1263.3	1289.2	1321.9	1373.1	1448.9	1534.0	1622.8	1666.0	1674.6
12.5°	1288.0	1284.9	1283.1	1306.5	1368.2	1464.3	1568.5	1674.6	1723.3	1733.8
15°	1347.2	1283.7	1245.5	1261.5	1346.0	1474.2	1602.4	1731.3	1786.2	1797.3
17.5°	1358.3	1262.1	1191.2	1202.3	1310.8	1477.3	1635.1	1786.8	1846.0	1856.5
20°	1327.5	1234.4	1151.7	1136.3	1266.4	1469.3	1655.5	1833.0	1897.8	1908.9
22.5°	1288.6	1209.7	1122.1	1082.1	1212.2	1461.3	1678.3	1881.7	1956.4	1966.2
25°	1247.9	1178.3	1094.4	1033.4	1150.5	1456.3	1716.5	1945.9	2035.9	2047.6
27.5°	1204.8	1140.0	1070.4	1009.9	1093.8	1462.5	1770.8	2049.5	2151.8	2168.5
30°	1158.5	1101.8	1054.9	1001.9	1054.9	1468.0	1830.6	2155.5	2275.7	2299.2
32.5°	1110.4	1066.7	1038.9	1005.6	1030.9	1455.1	1883.0	2274.5	2423.7	2444.1
35°	1062.3	1030.9	1018.6	1012.4	998.8	1407.6	1925.5	2394.7	2592.6	2610.5
37.5°	1017.3	993.9	990.2	997.0	949.5	1329.9	1974.9	2547.6	2758.5	2785.6
40°	975.4	953.8	953.2	952.0	895.2	1223.9	2041.4	2703.0	2921.9	2934.2
42.5°	936.6	909.4	914.4	899.6	850.9	1109.2	2104.3	2835.6	3074.2	3082.8
45°	902.0	866.3	871.8	853.3	829.9	989.0	2159.8	2992.2	3267.2	3272.7
47.5°	868.7	830.5	815.1	813.9	826.2	878.0	2214.1	3293.7	3569.3	3579.1
50°	837.9	796.6	752.8	780.0	803.4	794.7	2281.9	3616.8	3881.3	3878.8
52.5°	808.3	754.1	691.8	744.2	744.2	733.1	2262.8	3812.8	4139.0	4181.5
55°	774.4	685.6	628.3	684.4	657.3	677.6	1924.3	3876.9	4301.1	4361.6
57.5°	707.2	601.1	551.2	581.4	540.7	628.3	1382.3	3558.8	4025.5	4132.8
60°	642.5	538.9	506.2	500.6	447.6	512.4	895.9	2786.2	3313.4	3367.7
62.5°	566.6	485.2	457.5	414.9	360.1	373.0	542.6	1833.7	2226.4	2238.7
65°	509.3	439.6	386.6	336.0	294.7	270.7	320.6	884.2	1112.9	1098.1
67.5°	437.1	376.7	326.2	289.8	255.9	225.7	213.3	262.7	297.2	287.3
70°	389.1	331.1	282.4	247.9	216.4	186.2	164.6	154.8	151.7	149.2
72.5°	335.4	284.9	234.3	201.0	171.4	143.7	123.9	112.2	109.1	106.7
75°	267.6	220.1	173.9	142.4	116.5	96.8	83.9	74.0	72.1	69.7
77.5°	177.0	141.2	103.6	84.5	69.1	58.6	49.9	43.8	42.5	41.3
80°	97.4	81.4	63.5	51.2	41.3	35.8	32.7	29.0	28.4	27.7
82.5°	58.0	48.7	36.4	29.0	24.0	21.6	19.7	17.9	17.3	16.6
85°	29.0	22.8	16.0	13.6	12.3	11.1	11.1	9.2	8.6	8.6
87.5°	7.4	6.2	3.7	3.1	3.1	3.1	2.5	1.8	1.8	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)