

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: P635571

Luminaire Tested: GWS-SA3E-722-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635571
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15337.8 lumens
Efficiency: N/A
Efficacy: 96.3 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

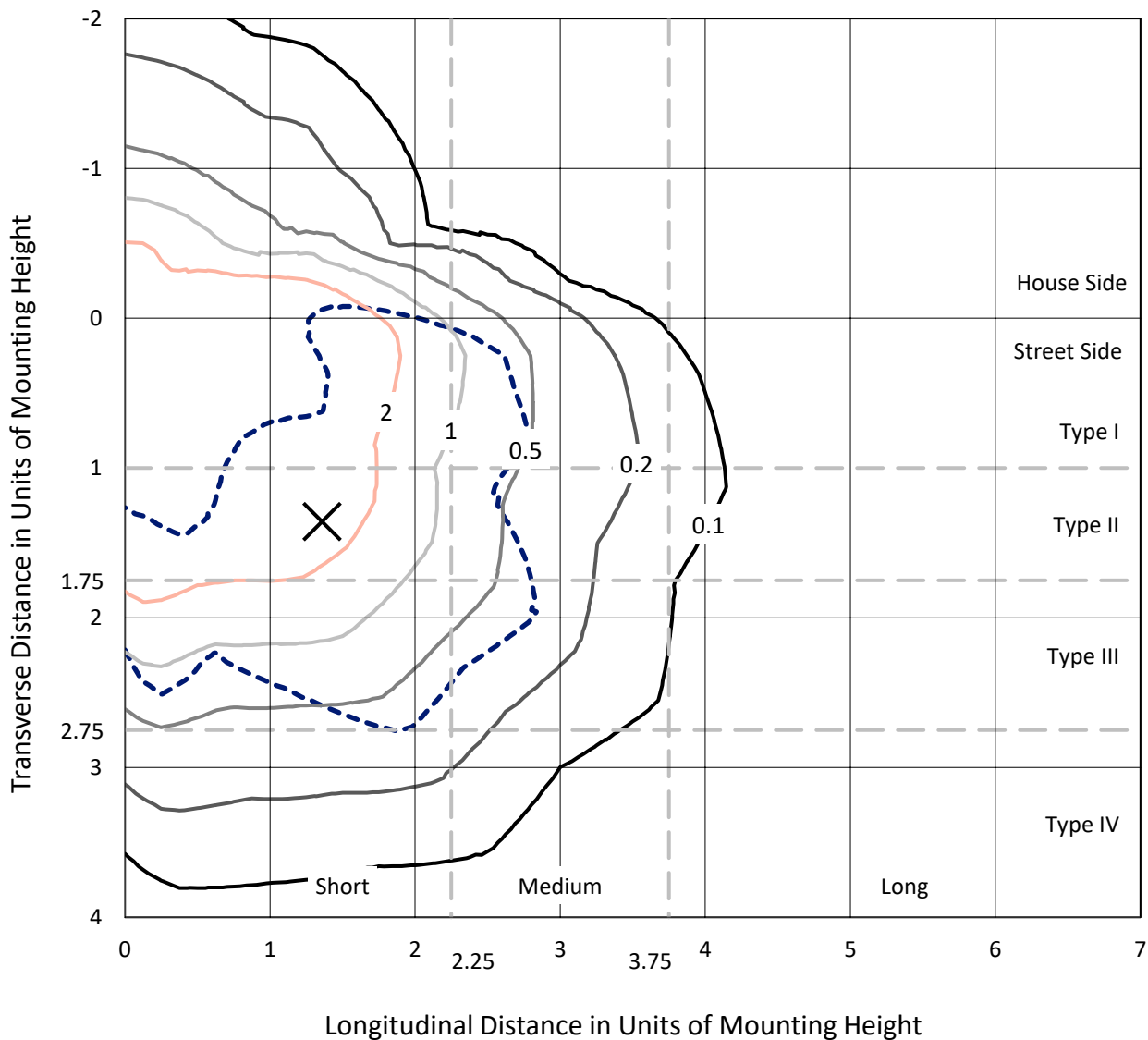
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635571
 CATALOG NUMBER: GWS-SA3E-722-U-SLR-W

Iso-Footcandle Lines of Horizontal Illumination

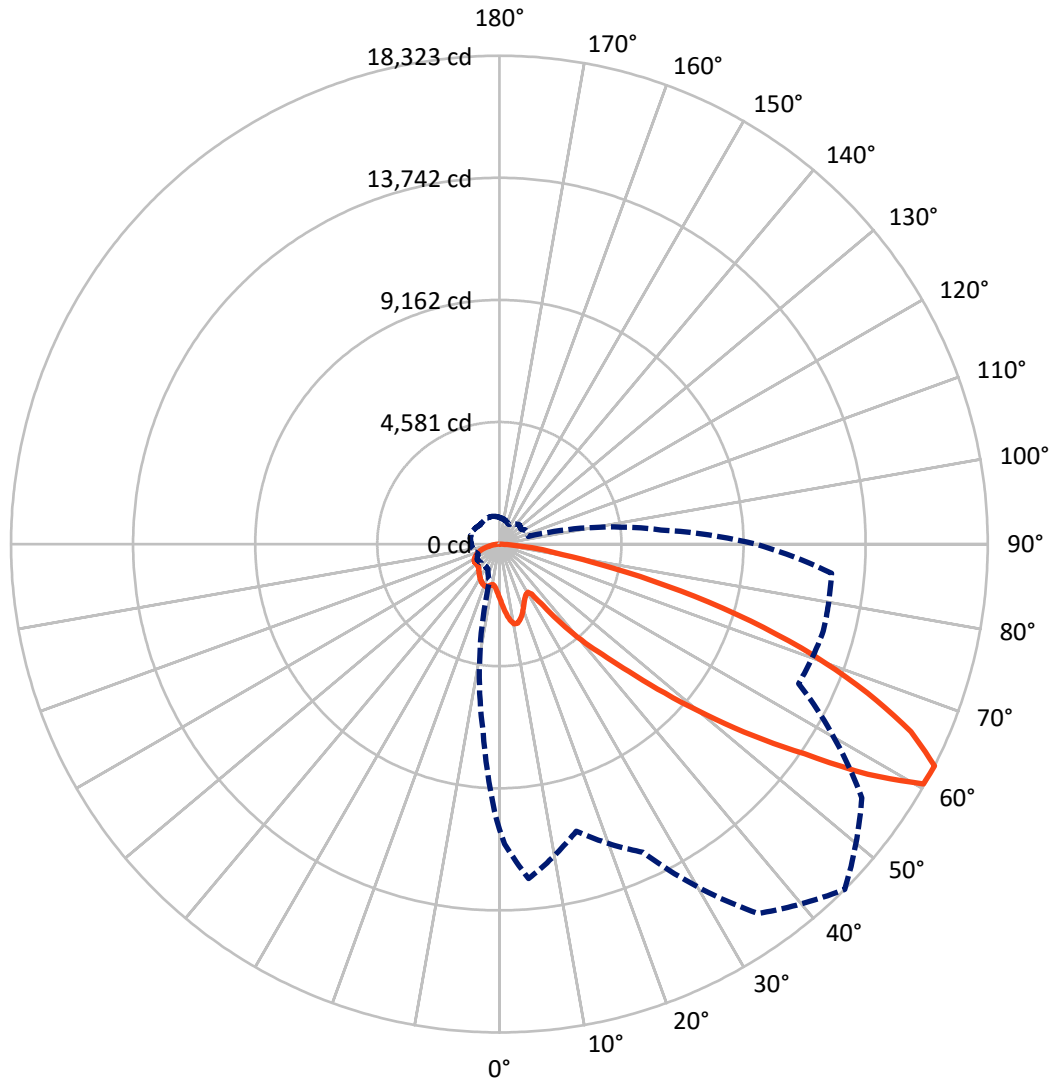
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Short - N/A

REPORT NUMBER: P635571
CATALOG NUMBER: GWS-SA3E-722-U-SLR-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P635571

CATALOG NUMBER: GWS-SA3E-722-U-SLR-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3659.9	0.0	3659.9
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	11677.9	0.0	11677.9
	% Fixture	76.1	0.0	76.1
Total	Lumens	15337.8	0.0	15337.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.8	1.3
10°-20°	623.2	4.1
20°-30°	968.0	6.3
30°-40°	1314.3	8.6
40°-50°	2083.1	13.6
50°-60°	3674.5	24.0
60°-70°	4088.4	26.7
70°-80°	2073.5	13.5
80°-90°	314.0	2.0
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°	15337.8	100.0
0°-180°	15337.8	100.0

Coefficient of Utilization



REPORT NUMBER: P635571

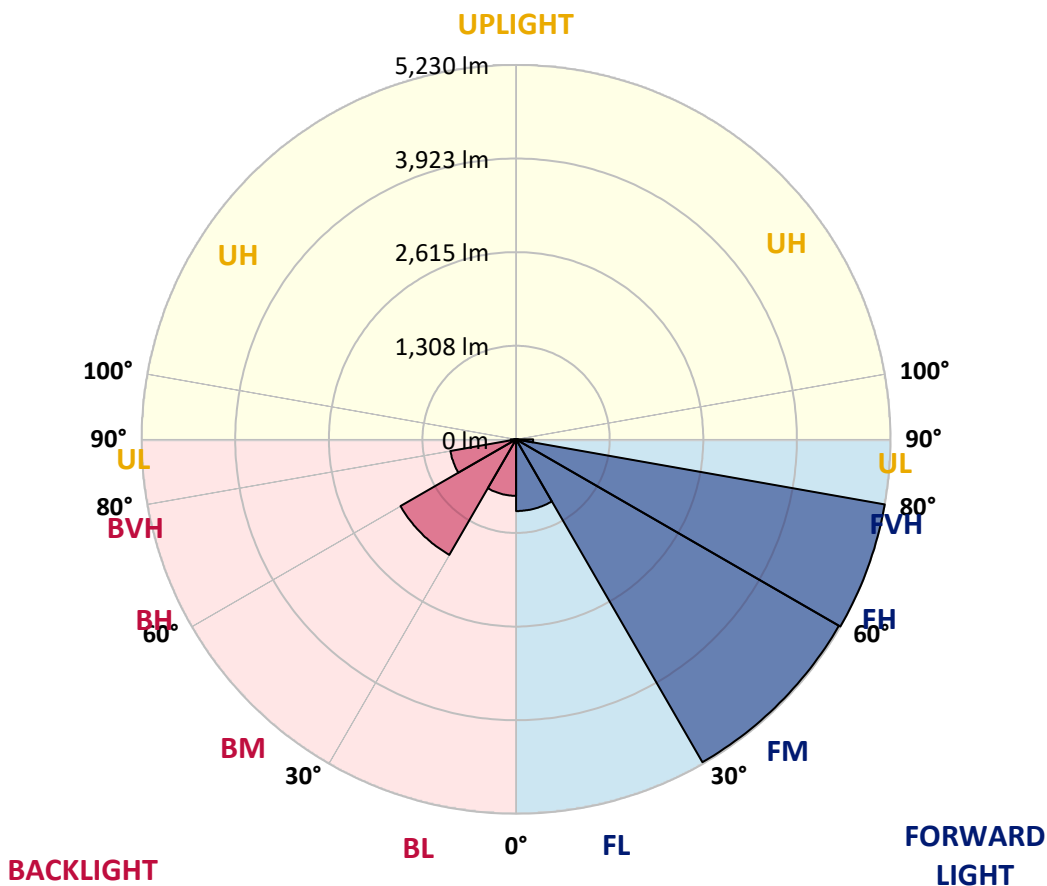
CATALOG NUMBER: GWS-SA3E-722-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1001.4	6.5			
FM (30°-60°)	5207.8	34.0			
FH (60°-80°)	5230.3	34.1			G3/7500
FVH (80°-90°)	238.3	1.6			G3/500
BL (0°-30°)	788.6	5.1	B2/1000		
BM (30°-60°)	1864.0	12.2	B2/2500		
BH (60°-80°)	931.6	6.1	B2/1000		G2/1000
BVH (80°-90°)	75.7	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





REPORT NUMBER: P635571
 CATALOG NUMBER: GWS-SA3E-722-U-SLR-W

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6
2.5°	2187.8	2186.6	2208.7	2242.3	2273.7	2287.6	2310.9	2308.5	2289.9	2265.6	2257.4
5°	2359.6	2364.3	2402.6	2476.9	2559.4	2594.2	2609.3	2603.5	2569.8	2526.8	2451.4
7.5°	2515.2	2523.4	2582.6	2694.1	2796.2	2842.7	2879.9	2872.9	2824.1	2744.0	2632.5
10°	2629.0	2638.3	2709.2	2840.4	2954.2	2994.8	3042.4	3044.7	3001.8	2893.8	2780.0
12.5°	2742.8	2752.1	2818.3	2937.9	3012.2	3013.4	3041.3	3056.4	3058.7	3008.8	2895.0
15°	2861.3	2869.4	2929.8	2997.1	2993.7	2928.6	2928.6	2957.7	3021.5	3057.5	2978.6
17.5°	2962.3	2972.8	3019.2	2997.1	2893.8	2776.5	2762.6	2799.7	2911.2	3049.4	3041.3
20°	3045.9	3054.0	3079.6	2933.3	2745.2	2591.9	2565.2	2608.1	2759.1	2999.5	3088.9
22.5°	3126.0	3130.7	3116.7	2849.7	2584.9	2409.6	2377.0	2422.3	2584.9	2911.2	3129.5
25°	3221.3	3216.6	3150.4	2762.6	2438.6	2265.6	2231.9	2283.0	2452.5	2793.9	3173.6
27.5°	3331.6	3314.2	3179.5	2668.5	2325.9	2158.7	2135.5	2190.1	2348.0	2685.9	3208.5
30°	3425.6	3392.0	3184.1	2584.9	2267.9	2113.4	2099.5	2150.6	2296.9	2612.8	3252.6
32.5°	3530.1	3483.7	3210.8	2562.8	2300.4	2222.6	2241.2	2244.7	2310.9	2591.9	3318.8
35°	3679.9	3619.6	3284.0	2626.7	2634.8	2766.1	2833.4	2742.8	2521.0	2638.3	3444.2
37.5°	3906.4	3829.7	3432.6	2903.1	3325.8	3619.6	3782.1	3575.4	3159.7	2813.7	3633.5
40°	4181.6	4084.1	3623.0	3414.0	3971.4	4441.7	4730.9	4427.8	3817.0	3251.4	3899.4
42.5°	4566.0	4463.8	3992.3	3915.7	4569.4	5269.7	5647.1	5195.4	4396.4	3817.0	4325.6
45°	5236.0	5137.3	4669.3	4418.5	5269.7	6289.2	6818.8	6190.5	4985.2	4384.8	5122.2
47.5°	6473.9	6357.7	5674.9	4975.9	6068.6	7613.0	8353.9	7438.9	5597.1	5035.1	6459.9
50°	7960.2	7848.8	6937.2	5635.5	6951.1	9028.6	10058.6	8905.5	6302.0	5825.9	8058.9
52.5°	9748.5	9727.6	8738.3	6469.2	7869.7	10538.2	11950.2	10530.0	7074.2	6890.7	9870.5
55°	11360.3	11564.7	11025.9	7740.8	9056.4	12434.5	13895.3	12302.1	8121.7	8651.2	11992.0
57.5°	12228.9	12778.2	13606.2	10335.0	10782.0	14701.2	16295.6	14465.5	9921.6	11582.1	13959.2
60°	11655.3	12277.7	13778.0	12288.2	12493.7	16517.4	18276.6	16284.0	11689.0	13616.6	13847.7
62.5°	10700.8	11259.3	12593.6	11147.8	12758.5	16916.8	18323.1	16601.0	12391.5	12584.3	12508.8
65°	9568.5	10131.7	11545.0	9731.1	11916.6	15968.1	16971.4	15668.5	11129.2	11369.6	11397.5
67.5°	8064.8	8585.0	10023.8	8652.3	10862.2	14575.8	14896.3	14340.1	10249.0	10632.2	10231.6
70°	6025.6	6494.8	7765.2	7031.3	9156.3	12761.9	12503.0	12585.4	9260.8	9641.7	8546.7
72.5°	4117.7	4470.7	5560.0	5525.1	7011.5	10216.5	9855.4	10636.9	7735.0	8240.1	6515.7
75°	2879.9	3155.1	4019.0	4365.1	5299.9	7572.4	7018.5	7961.4	6040.7	6761.9	4754.1
77.5°	1767.4	1949.7	2538.5	3234.0	3409.4	5182.6	4359.3	5990.8	4242.0	4931.8	3171.3
80°	883.7	972.0	1233.2	2033.3	2260.9	3054.0	2407.2	3477.9	2870.6	3054.0	1754.6
82.5°	267.1	295.0	361.1	772.2	1171.7	1758.1	1422.5	2020.5	1567.7	1431.8	690.9
85°	70.8	80.1	99.9	228.8	411.1	630.5	480.7	978.9	751.3	528.4	260.1
87.5°	5.8	5.8	4.6	4.6	2.3	0.0	0.0	69.7	140.5	80.1	45.3
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: P635571
 CATALOG NUMBER: GWS-SA3E-722-U-SLR-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6
2.5°	2216.8	2212.1	2164.5	2129.7	2089.1	2049.6	2008.9	1972.9	1932.3	1891.6	1880.0
5°	2395.6	2363.1	2262.1	2177.3	2093.7	2020.5	1956.7	1890.5	1837.1	1784.8	1765.1
7.5°	2553.5	2496.6	2350.3	2221.4	2105.3	2014.7	1920.7	1824.3	1748.8	1674.5	1655.9
10°	2696.4	2620.9	2436.3	2273.7	2144.8	2041.4	1931.1	1802.2	1693.1	1602.5	1578.1
12.5°	2802.1	2719.6	2510.6	2323.6	2177.3	2061.2	1952.0	1838.2	1723.3	1606.0	1579.3
15°	2885.7	2799.7	2572.1	2361.9	2178.5	2028.7	1923.0	1883.5	1847.5	1732.6	1683.8
17.5°	2953.0	2862.4	2625.5	2385.2	2147.1	1930.0	1838.2	1896.3	1988.0	1916.0	1824.3
20°	3014.6	2922.8	2666.2	2401.4	2077.4	1794.1	1743.0	1866.1	2004.3	2002.0	1919.5
22.5°	3081.9	2992.5	2725.4	2410.7	1979.9	1655.9	1686.1	1822.0	1934.6	1968.3	1917.2
25°	3167.8	3088.9	2807.9	2431.6	1869.6	1560.7	1644.3	1765.1	1859.1	1867.3	1837.1
27.5°	3267.7	3208.5	2930.9	2480.4	1762.7	1511.9	1595.5	1684.9	1770.9	1774.4	1738.4
30°	3376.9	3337.4	3044.7	2521.0	1682.6	1496.8	1532.8	1604.8	1659.4	1668.7	1637.3
32.5°	3516.2	3481.4	3145.8	2494.3	1635.0	1493.3	1474.8	1511.9	1557.2	1557.2	1532.8
35°	3707.8	3659.0	3252.6	2392.1	1577.0	1479.4	1413.2	1423.7	1443.4	1446.9	1433.0
37.5°	3979.5	3899.4	3360.6	2190.1	1481.7	1429.5	1342.4	1329.6	1336.6	1345.9	1342.4
40°	4316.3	4185.1	3518.5	1947.4	1367.9	1333.1	1269.2	1244.8	1239.0	1257.6	1264.6
42.5°	4740.1	4539.3	3688.1	1720.9	1264.6	1222.8	1183.3	1162.4	1153.1	1184.5	1203.0
45°	5417.1	5086.2	3850.6	1496.8	1206.5	1128.7	1102.0	1086.9	1091.6	1128.7	1151.9
47.5°	6586.5	5921.1	4005.1	1355.2	1201.9	1061.4	1028.9	1032.3	1045.1	1084.6	1112.5
50°	8065.9	7039.4	4108.4	1295.9	1215.8	1020.7	977.8	996.3	1016.1	1054.4	1086.9
52.5°	9572.0	8081.0	3985.3	1263.4	1214.6	1021.9	930.1	985.9	995.2	1033.5	1068.3
55°	10607.9	8197.1	3443.1	1213.5	1196.1	1068.3	893.0	981.2	987.0	1021.9	1053.2
57.5°	11002.7	7800.0	2625.5	1227.4	1140.3	1104.3	876.7	948.7	990.5	1020.7	1053.2
60°	10525.4	7051.0	1595.5	1263.4	1050.9	1102.0	887.2	889.5	961.5	1012.6	1045.1
62.5°	9625.5	6089.5	1120.6	1161.2	985.9	1040.5	911.6	819.8	910.4	972.0	1001.0
65°	8594.3	4958.5	854.7	999.8	954.5	945.2	919.7	758.3	840.7	901.1	926.7
67.5°	7520.1	3854.1	694.4	745.5	862.8	854.7	840.7	703.7	758.3	801.2	830.3
70°	6167.3	2696.4	586.4	559.7	739.7	766.4	735.1	635.2	652.6	696.7	720.0
72.5°	4511.4	1680.3	481.9	462.2	594.6	670.0	653.8	559.7	567.8	609.6	628.2
75°	3244.5	961.5	386.7	380.9	454.0	573.6	541.1	481.9	491.2	522.6	535.3
77.5°	2062.3	535.3	298.4	306.6	325.1	428.5	462.2	412.2	412.2	430.8	441.3
80°	1104.3	306.6	218.3	221.8	227.6	327.5	364.6	319.3	319.3	306.6	319.3
82.5°	450.6	176.5	149.8	139.3	152.1	224.1	255.5	203.2	212.5	191.6	196.2
85°	148.6	88.3	74.3	73.2	72.0	98.7	123.1	101.0	120.8	76.6	80.1
87.5°	19.7	16.3	9.3	7.0	8.1	3.5	7.0	8.1	8.1	5.8	5.8
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: P635571
 CATALOG NUMBER: GWS-SA3E-722-U-SLR-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6
2.5°	1871.9	1862.6	1828.9	1837.1	1831.3	1822.0	1831.3	1813.8	1827.8	1832.4	1861.5
5°	1750.0	1727.9	1695.4	1679.1	1675.7	1666.4	1667.5	1659.4	1661.7	1681.5	1714.0
7.5°	1640.8	1619.9	1594.4	1582.8	1572.3	1561.9	1560.7	1559.5	1568.8	1586.2	1617.6
10°	1561.9	1550.2	1539.8	1544.4	1539.8	1535.1	1527.0	1527.0	1542.1	1573.5	1611.8
12.5°	1561.9	1559.5	1561.9	1575.8	1574.6	1575.8	1565.3	1571.1	1613.0	1666.4	1720.9
15°	1645.5	1626.9	1626.9	1633.9	1631.5	1631.5	1631.5	1655.9	1751.1	1833.6	1891.6
17.5°	1747.7	1693.1	1669.9	1666.4	1665.2	1665.2	1669.9	1722.1	1870.7	1957.8	1991.5
20°	1818.5	1715.1	1676.8	1661.7	1662.9	1665.2	1679.1	1751.1	1914.9	1959.0	1950.9
22.5°	1831.3	1697.7	1651.3	1629.2	1632.7	1635.0	1655.9	1732.6	1854.5	1861.5	1845.2
25°	1772.0	1648.9	1599.0	1581.6	1586.2	1585.1	1603.7	1659.4	1746.5	1744.2	1734.9
27.5°	1683.8	1571.1	1534.0	1522.4	1530.5	1521.2	1527.0	1570.0	1637.3	1635.0	1631.5
30°	1593.2	1495.7	1462.0	1456.2	1466.6	1452.7	1453.9	1489.9	1536.3	1534.0	1532.8
32.5°	1502.6	1420.2	1390.0	1390.0	1400.4	1385.3	1387.7	1419.0	1450.4	1441.1	1441.1
35°	1416.7	1358.6	1334.3	1329.6	1337.7	1327.3	1331.9	1361.0	1372.6	1359.8	1351.7
37.5°	1341.2	1315.7	1291.3	1275.0	1276.2	1277.4	1291.3	1313.4	1306.4	1287.8	1277.4
40°	1271.5	1271.5	1248.3	1218.1	1214.6	1222.8	1246.0	1270.4	1250.6	1229.7	1217.0
42.5°	1221.6	1232.1	1210.0	1179.8	1172.8	1186.8	1212.3	1229.7	1206.5	1183.3	1165.9
45°	1175.2	1200.7	1185.6	1151.9	1142.7	1158.9	1191.4	1198.4	1167.0	1145.0	1132.2
47.5°	1142.7	1177.5	1167.0	1134.5	1120.6	1143.8	1177.5	1176.3	1136.8	1113.6	1103.2
50°	1119.4	1163.6	1162.4	1134.5	1119.4	1148.5	1178.7	1163.6	1120.6	1096.2	1085.8
52.5°	1100.8	1162.4	1170.5	1154.3	1143.8	1169.4	1187.9	1158.9	1109.0	1083.4	1075.3
55°	1092.7	1167.0	1172.8	1157.7	1148.5	1171.7	1187.9	1168.2	1109.0	1085.8	1078.8
57.5°	1095.0	1161.2	1162.4	1141.5	1125.2	1154.3	1179.8	1174.0	1121.7	1095.0	1086.9
60°	1081.1	1129.9	1132.2	1099.7	1081.1	1115.9	1161.2	1157.7	1115.9	1088.1	1073.0
62.5°	1034.7	1077.6	1078.8	1048.6	1021.9	1071.8	1121.7	1120.6	1082.3	1054.4	1037.0
65°	956.9	1002.1	1013.8	984.7	963.8	1017.2	1069.5	1067.2	1028.9	1003.3	985.9
67.5°	860.5	909.2	931.3	911.6	903.4	952.2	1001.0	999.8	968.5	944.1	929.0
70°	743.2	783.8	821.0	821.0	815.2	870.9	923.2	918.5	889.5	870.9	859.3
72.5°	645.6	677.0	688.6	700.2	717.6	775.7	819.8	823.3	802.4	793.1	802.4
75°	549.3	569.0	579.5	570.2	600.4	660.7	718.8	724.6	702.5	687.4	690.9
77.5°	451.7	473.8	484.2	463.3	461.0	537.7	608.5	621.3	602.7	579.5	586.4
80°	326.3	355.3	372.8	358.8	354.2	387.9	485.4	499.3	481.9	463.3	473.8
82.5°	199.7	216.0	220.6	234.6	263.6	277.5	312.4	358.8	346.0	329.8	358.8
85°	79.0	94.1	104.5	118.4	138.2	163.7	192.8	229.9	209.0	202.1	238.1
87.5°	4.6	1.2	0.0	2.3	19.7	38.3	82.4	113.8	95.2	102.2	123.1
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: P635571
 CATALOG NUMBER: GWS-SA3E-722-U-SLR-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6
2.5°	1884.7	1914.9	1955.5	1989.2	2032.2	2072.8	2114.6	2156.4	2178.5	2187.8
5°	1751.1	1806.9	1871.9	1943.9	2027.5	2115.8	2205.2	2296.9	2355.0	2359.6
7.5°	1671.0	1751.1	1840.6	1931.1	2034.5	2156.4	2298.1	2439.7	2499.0	2515.2
10°	1696.6	1786.0	1856.8	1941.6	2055.4	2207.5	2374.7	2540.8	2609.3	2629.0
12.5°	1798.7	1816.2	1838.2	1916.0	2055.4	2251.6	2453.7	2651.1	2724.2	2742.8
15°	1883.5	1799.9	1760.4	1842.9	2027.5	2289.9	2537.3	2755.6	2843.9	2861.3
17.5°	1890.5	1746.5	1660.6	1734.9	1978.7	2316.7	2617.4	2871.7	2946.0	2962.3
20°	1819.7	1689.6	1578.1	1623.4	1912.5	2328.3	2675.5	2956.5	3029.7	3045.9
22.5°	1739.5	1643.1	1522.4	1520.1	1832.4	2341.0	2745.2	3036.6	3115.6	3126.0
25°	1664.0	1579.3	1477.1	1444.6	1739.5	2365.4	2839.2	3157.4	3217.8	3221.3
27.5°	1575.8	1510.8	1441.1	1409.7	1658.2	2411.9	2978.6	3301.4	3337.4	3331.6
30°	1495.7	1446.9	1415.5	1406.3	1607.1	2446.7	3110.9	3443.1	3445.4	3425.6
32.5°	1410.9	1392.3	1392.3	1422.5	1565.3	2438.6	3218.9	3581.2	3559.2	3530.1
35°	1335.4	1338.9	1363.3	1434.1	1495.7	2357.3	3322.3	3754.3	3721.7	3679.9
37.5°	1263.4	1290.1	1325.0	1393.5	1403.9	2236.5	3443.1	3999.3	3958.6	3906.4
40°	1201.9	1242.5	1283.2	1316.8	1306.4	2064.7	3611.4	4287.3	4242.0	4181.6
42.5°	1153.1	1192.6	1237.9	1241.4	1244.8	1885.8	3790.3	4640.3	4632.2	4566.0
45°	1121.7	1147.3	1190.3	1184.5	1241.4	1688.4	3955.2	5179.1	5285.9	5236.0
47.5°	1100.8	1120.6	1125.2	1149.6	1271.5	1511.9	4167.7	6233.5	6530.8	6473.9
50°	1089.2	1109.0	1056.7	1151.9	1276.2	1398.1	4461.5	7557.3	8035.7	7960.2
52.5°	1088.1	1083.4	1004.5	1176.3	1250.6	1328.4	4614.7	8523.4	9584.8	9748.5
55°	1090.4	1032.3	977.8	1183.3	1199.6	1302.9	4101.5	8987.9	11014.3	11360.3
57.5°	1069.5	976.6	992.9	1155.4	1103.2	1371.4	3032.0	8821.9	11585.6	12228.9
60°	1030.0	923.2	1020.7	1079.9	1004.5	1254.1	2087.9	8081.0	10993.4	11655.3
62.5°	973.1	886.0	1017.2	982.4	968.5	1026.5	1435.3	7044.0	10053.9	10700.8
65°	909.2	855.8	962.7	888.3	896.5	789.6	1014.9	5873.5	8932.2	9568.5
67.5°	840.7	837.2	882.5	790.8	757.1	625.9	739.7	4707.6	7491.1	8064.8
70°	762.9	788.5	802.4	702.5	614.3	491.2	549.3	3292.1	5526.3	6025.6
72.5°	685.1	687.4	707.2	610.8	459.8	393.7	412.2	1993.8	3754.3	4117.7
75°	606.2	584.1	602.7	497.0	342.6	322.8	318.2	1232.1	2593.0	2879.9
77.5°	521.4	497.0	472.6	373.9	275.2	249.7	243.9	690.9	1590.9	1767.4
80°	423.8	391.3	353.0	274.1	200.9	178.8	177.7	336.8	793.1	883.7
82.5°	329.8	268.2	257.8	170.7	124.3	109.2	116.1	128.9	239.2	267.1
85°	231.1	195.1	137.0	68.5	55.7	45.3	44.1	38.3	63.9	70.8
87.5°	128.9	84.8	44.1	8.1	9.3	10.5	8.1	5.8	5.8	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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