

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: P636059

Luminaire Tested: GWS-SA3F-722-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-722-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9657.4 lumens
Efficiency: N/A
Efficacy: 52.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

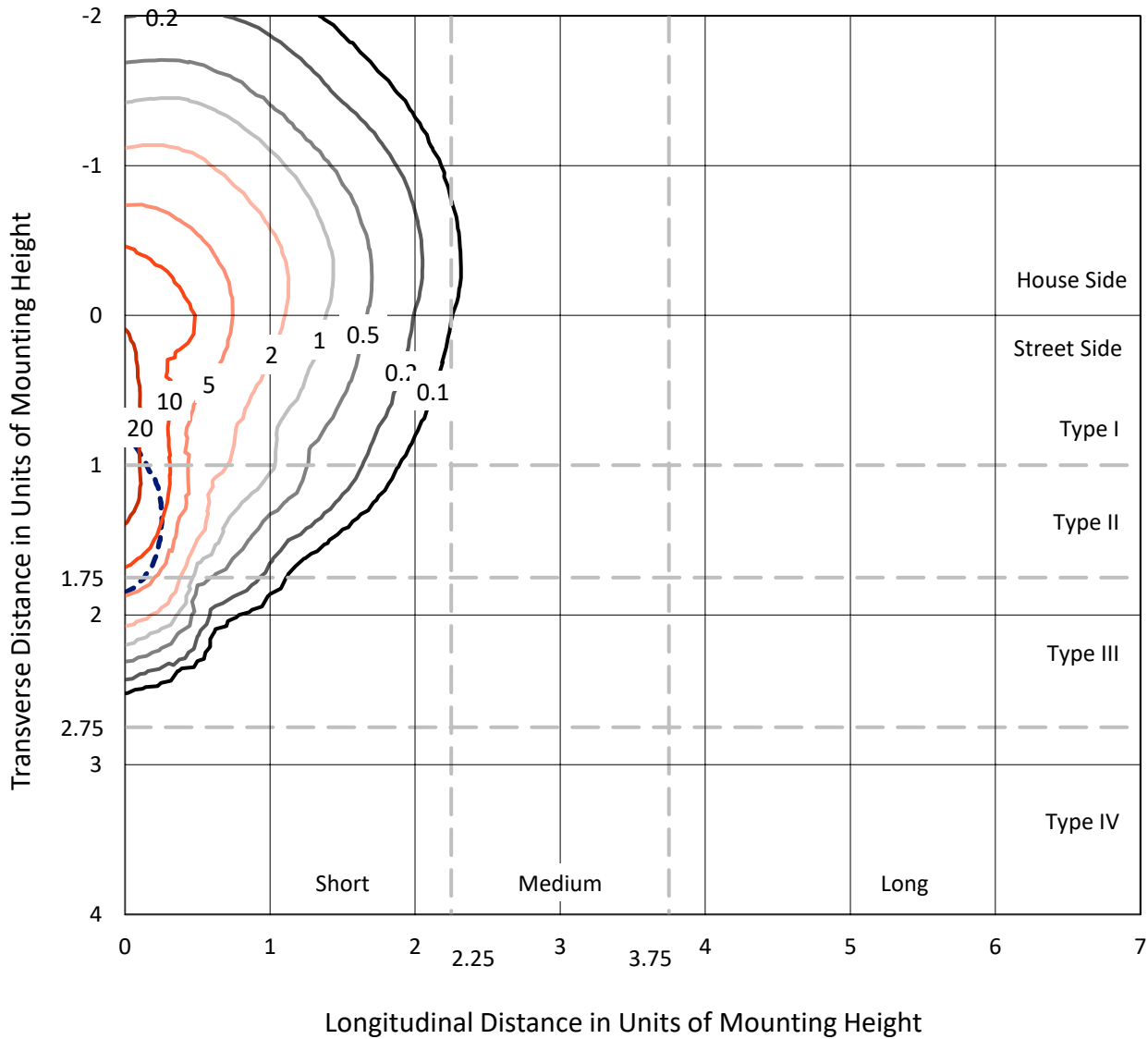
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

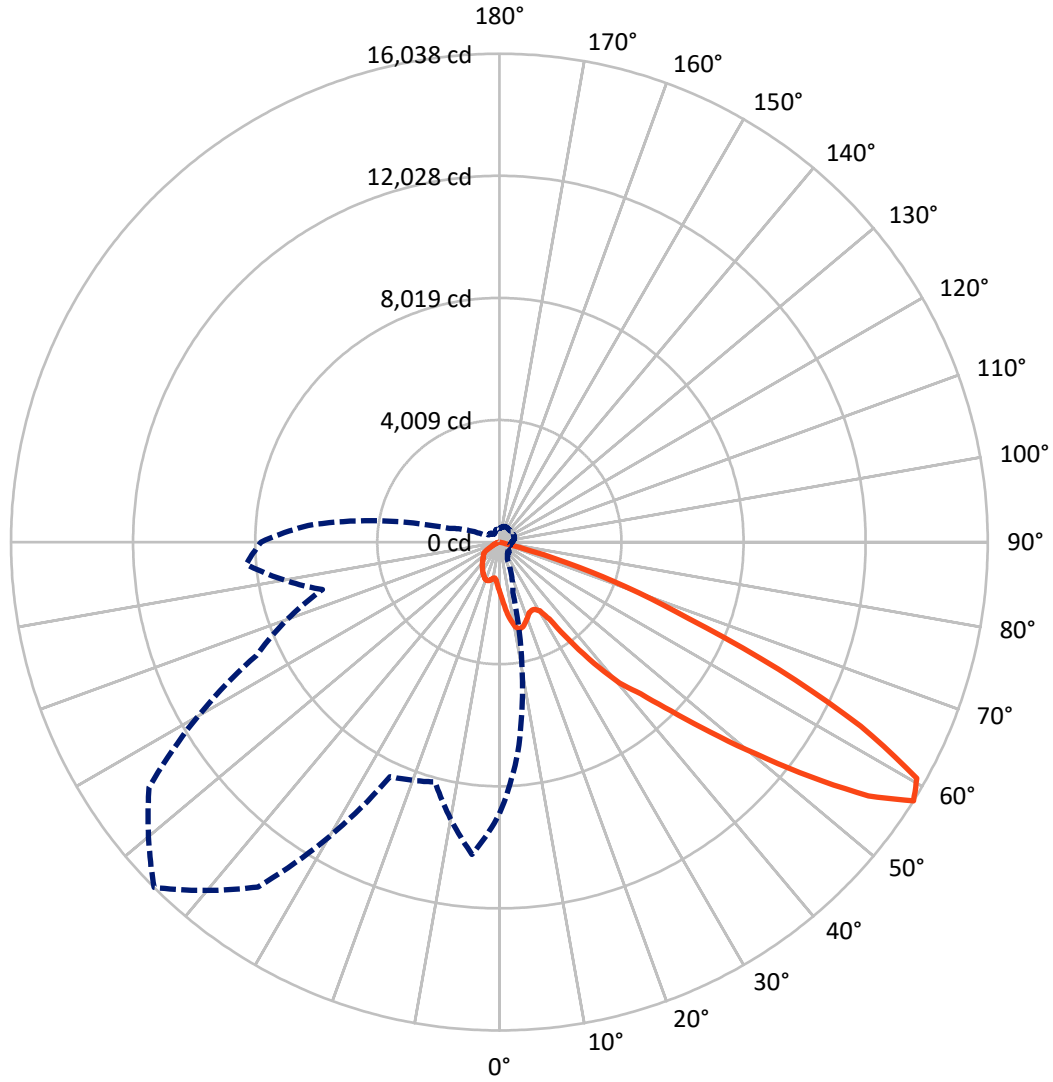
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2080.5	0.0	2080.5
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	7576.9	0.0	7576.9
	% Fixture	78.5	0.0	78.5
Total	Lumens	9657.4	0.0	9657.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.2	1.7
10°-20°	533.7	5.5
20°-30°	866.1	9.0
30°-40°	1329.3	13.8
40°-50°	2122.9	22.0
50°-60°	2972.5	30.8
60°-70°	1524.1	15.8
70°-80°	146.7	1.5
80°-90°	0.0	0.0
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°	9657.4	100.0
0°-180°	9657.4	100.0

Coefficient of Utilization



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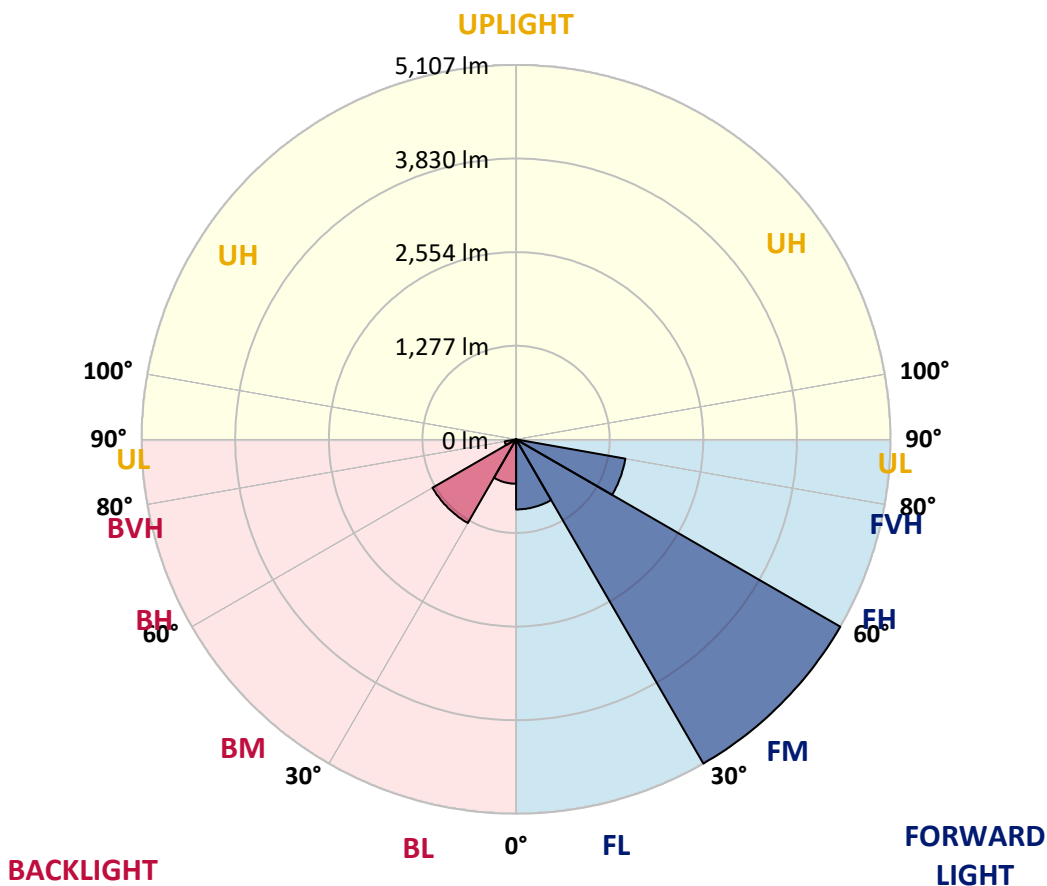
CATALOG NUMBER: GWS-SA3F-722-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	956.1	9.9			
FM (30°-60°)	5107.1	52.9			
FH (60°-80°)	1513.7	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	605.8	6.3	B2/1000		
BM (30°-60°)	1317.6	13.6	B2/2500		
BH (60°-80°)	157.1	1.6	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
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°	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9
2.5°	1823.0	1819.1	1806.2	1762.3	1735.2	1692.6	1661.6	1621.6	1577.7	1550.6	1523.4
5°	2016.6	2006.3	1971.4	1870.7	1793.3	1709.4	1642.2	1568.6	1489.9	1438.2	1390.5
7.5°	2202.5	2187.1	2140.6	1970.2	1852.7	1732.6	1637.1	1529.9	1418.9	1341.4	1282.0
10°	2384.6	2349.7	2276.1	2067.0	1908.2	1763.6	1651.3	1528.6	1398.2	1300.1	1234.3
12.5°	2534.3	2508.5	2407.8	2158.6	1954.7	1770.0	1631.9	1518.3	1430.5	1364.6	1304.0
15°	2663.5	2635.1	2539.5	2241.3	1994.7	1744.2	1550.6	1451.1	1465.4	1491.2	1439.5
17.5°	2782.2	2752.5	2649.3	2309.7	2010.2	1681.0	1436.9	1389.2	1467.9	1564.8	1545.4
20°	2904.9	2871.3	2744.8	2365.2	2005.0	1581.5	1322.0	1336.2	1447.3	1558.3	1568.6
22.5°	3048.2	3013.3	2866.1	2436.2	2001.1	1462.8	1222.6	1289.8	1408.5	1502.8	1520.9
25°	3238.0	3196.7	3035.3	2540.8	2011.5	1354.3	1151.6	1244.6	1342.7	1427.9	1438.2
27.5°	3488.4	3435.5	3230.2	2669.9	2033.4	1269.1	1120.6	1182.6	1258.8	1335.0	1344.0
30°	3815.1	3747.9	3453.6	2782.2	2023.1	1209.7	1100.0	1120.6	1165.8	1227.8	1229.1
32.5°	4197.2	4105.6	3704.0	2879.1	1934.0	1165.8	1071.6	1057.4	1067.7	1115.5	1124.5
35°	4646.5	4527.7	3980.3	2970.7	1771.3	1080.6	1019.9	972.2	968.3	991.5	1013.5
37.5°	5161.7	5019.6	4328.9	3088.2	1579.0	991.5	943.8	896.0	875.3	887.0	920.5
40°	5636.8	5479.3	4693.0	3230.2	1382.7	911.5	854.7	805.6	781.1	785.0	826.3
42.5°	6194.5	6031.8	5138.4	3416.1	1220.1	857.3	761.7	711.4	679.1	697.2	744.9
45°	7041.4	6856.8	5787.8	3577.5	1090.9	844.4	680.4	609.4	593.9	624.9	681.7
47.5°	8198.2	7972.3	6679.9	3675.6	981.2	856.0	623.6	526.8	530.6	565.5	622.3
50°	9346.0	9102.0	7711.5	3546.5	890.8	832.7	595.2	462.2	486.7	517.7	569.4
52.5°	10134.8	9817.2	8213.7	3173.4	808.2	744.9	592.6	401.5	448.0	458.3	502.2
55°	10165.8	9774.6	7956.8	2502.1	695.9	628.7	565.5	351.2	405.4	409.3	446.7
57.5°	8910.9	8557.1	6953.6	1718.4	618.4	460.9	450.6	307.3	333.1	365.4	388.6
60°	6779.3	6478.5	5200.4	787.5	469.9	293.1	308.6	264.7	249.2	296.9	320.2
62.5°	4152.0	3959.7	3119.2	348.6	299.5	156.2	187.2	210.4	187.2	205.3	224.6
65°	1648.7	1563.5	1183.9	148.5	122.7	78.8	85.2	122.7	131.7	144.6	162.7
67.5°	286.6	271.1	198.8	65.8	50.4	47.8	41.3	56.8	80.0	89.1	103.3
70°	37.4	36.1	32.3	27.1	25.8	23.2	18.1	36.1	54.2	56.8	65.8
72.5°	9.0	7.7	7.7	6.5	7.7	2.6	2.6	19.4	38.7	40.0	46.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	24.5	27.1	32.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9
2.5°	1501.5	1475.7	1466.6	1453.7	1436.9	1442.1	1418.9	1411.1	1422.7	1438.2	1434.4
5°	1364.6	1336.2	1316.9	1287.2	1282.0	1270.4	1262.7	1252.3	1265.2	1283.3	1287.2
7.5°	1256.2	1231.7	1212.3	1203.3	1196.8	1191.6	1176.2	1168.4	1168.4	1176.2	1182.6
10°	1209.7	1191.6	1187.8	1190.4	1200.7	1199.4	1185.2	1174.9	1162.0	1155.5	1163.2
12.5°	1274.3	1244.6	1239.4	1240.7	1253.6	1252.3	1236.8	1223.9	1221.3	1223.9	1248.5
15°	1384.0	1338.8	1305.3	1298.8	1305.3	1302.7	1291.1	1283.3	1287.2	1324.6	1365.9
17.5°	1482.1	1412.4	1351.7	1328.5	1327.2	1323.3	1311.7	1309.1	1328.5	1398.2	1458.9
20°	1510.5	1442.1	1355.6	1325.9	1319.5	1315.6	1302.7	1306.6	1331.1	1415.0	1466.6
22.5°	1473.1	1407.3	1316.9	1287.2	1282.0	1280.7	1267.8	1273.0	1293.6	1367.2	1409.8
25°	1402.1	1346.6	1252.3	1226.5	1226.5	1223.9	1212.3	1214.9	1227.8	1292.3	1333.7
27.5°	1315.6	1262.7	1183.9	1158.1	1162.0	1165.8	1151.6	1147.8	1158.1	1218.8	1243.3
30°	1216.2	1178.7	1116.8	1093.5	1092.2	1107.7	1088.4	1083.2	1097.4	1145.2	1150.3
32.5°	1119.3	1101.3	1057.4	1039.3	1040.6	1043.2	1032.8	1032.8	1045.8	1071.6	1070.3
35°	1025.1	1013.5	1005.7	992.8	991.5	986.4	986.4	989.0	1003.2	1012.2	995.4
37.5°	934.7	946.3	955.4	942.5	932.1	932.1	932.1	943.8	956.7	952.8	924.4
40°	854.7	879.2	907.6	893.4	868.9	867.6	872.8	892.1	911.5	888.2	862.4
42.5°	786.3	817.2	857.3	849.5	822.4	818.5	822.4	846.9	862.4	832.7	804.3
45°	719.1	757.9	805.6	805.6	775.9	772.1	773.3	805.6	814.7	779.8	743.6
47.5°	662.3	704.9	755.3	755.3	730.7	723.0	729.4	763.0	769.5	720.4	686.8
50°	608.1	654.6	710.1	706.2	689.4	683.0	694.6	730.7	723.0	668.8	633.9
52.5°	539.7	588.7	664.9	668.8	659.7	661.0	675.2	698.5	676.5	610.7	581.0
55°	477.7	528.0	604.2	624.9	624.9	623.6	630.0	648.1	630.0	551.3	515.1
57.5°	410.6	453.2	516.4	521.6	525.5	511.3	520.3	544.8	535.8	468.7	448.0
60°	337.0	373.1	409.3	413.1	396.4	366.7	383.4	411.8	418.3	368.0	344.7
62.5°	238.8	273.7	316.3	316.3	299.5	269.8	291.8	316.3	307.3	255.6	241.4
65°	178.2	210.4	242.7	256.9	242.7	222.1	238.8	256.9	242.7	200.1	179.5
67.5°	114.9	136.9	156.2	167.8	170.4	167.8	175.6	170.4	153.6	125.2	113.6
70°	69.7	81.3	91.7	102.0	109.7	113.6	117.5	105.9	89.1	73.6	69.7
72.5°	50.4	60.7	69.7	77.5	86.5	89.1	89.1	81.3	65.8	51.6	47.8
75°	34.9	43.9	51.6	56.8	64.6	67.1	67.1	60.7	49.1	37.4	33.6
77.5°	1.3	9.0	9.0	7.7	10.3	12.9	12.9	15.5	14.2	10.3	9.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9
2.5°	1442.1	1488.6	1501.5	1549.3	1591.9	1634.5	1686.1	1717.1	1763.6	1795.9	1813.9
5°	1300.1	1338.8	1385.3	1456.3	1529.9	1611.2	1709.4	1794.6	1901.7	1980.5	2006.3
7.5°	1196.8	1247.2	1301.4	1390.5	1491.2	1599.6	1737.8	1877.2	2041.2	2148.3	2216.7
10°	1177.4	1229.1	1301.4	1389.2	1495.0	1619.0	1788.1	1968.9	2174.1	2304.5	2382.0
12.5°	1270.4	1325.9	1356.9	1396.9	1477.0	1615.1	1832.0	2061.8	2303.2	2445.3	2527.9
15°	1407.3	1456.3	1406.0	1355.6	1407.3	1573.8	1856.5	2139.3	2416.9	2580.8	2666.0
17.5°	1501.5	1505.4	1395.6	1288.5	1302.7	1498.9	1865.6	2216.7	2538.2	2709.9	2799.0
20°	1492.5	1461.5	1350.4	1231.7	1187.8	1402.1	1855.3	2285.2	2660.9	2840.3	2928.1
22.5°	1422.7	1386.6	1292.3	1176.2	1090.9	1287.2	1837.2	2347.1	2773.2	2977.2	3059.8
25°	1338.8	1300.1	1222.6	1120.6	1029.0	1176.2	1823.0	2432.4	2915.2	3155.3	3219.9
27.5°	1240.7	1207.1	1141.3	1067.7	1003.2	1092.2	1819.1	2544.7	3086.9	3372.2	3417.4
30°	1145.2	1114.2	1062.5	1019.9	992.8	1043.2	1806.2	2664.7	3292.2	3621.4	3670.5
32.5°	1053.5	1022.5	990.2	983.8	985.1	1025.1	1762.3	2783.5	3536.2	3982.9	4019.1
35°	974.7	938.6	925.7	941.2	969.6	994.1	1638.4	2881.6	3798.3	4376.7	4406.4
37.5°	899.9	863.7	862.4	899.9	930.9	946.3	1492.5	2978.5	4152.0	4776.9	4814.4
40°	831.4	795.3	808.2	853.4	877.9	885.7	1315.6	3125.7	4526.5	5199.1	5178.4
42.5°	773.3	735.9	743.6	801.7	823.7	844.4	1152.9	3248.3	4886.7	5599.3	5592.9
45°	716.5	688.1	683.0	746.2	765.6	848.2	1034.1	3342.6	5350.1	6109.3	6119.6
47.5°	661.0	639.1	640.4	667.5	715.2	867.6	933.4	3404.5	6022.8	6917.5	6738.0
50°	610.7	593.9	608.1	577.1	683.0	843.1	846.9	3391.6	6774.2	7692.1	7331.9
52.5°	555.2	551.3	557.7	482.9	631.3	743.6	765.6	3219.9	7126.6	8221.5	8016.2
55°	498.3	497.1	445.4	386.0	528.0	593.9	655.9	2686.7	7115.0	8502.9	8752.1
57.5°	431.2	420.9	338.3	315.0	410.6	413.1	597.8	1759.7	6305.5	7829.0	8345.4
60°	326.6	318.9	247.9	255.6	286.6	264.7	476.4	876.6	4712.4	6099.0	6681.2
62.5°	225.9	215.6	184.6	197.5	184.6	151.1	291.8	433.8	2854.5	3851.2	4379.3
65°	165.3	153.6	126.5	108.4	86.5	86.5	111.0	166.5	1105.1	1637.1	1974.0
67.5°	102.0	96.8	74.9	54.2	52.9	56.8	58.1	82.6	178.2	284.0	347.3
70°	65.8	60.7	50.4	34.9	32.3	33.6	34.9	38.7	45.2	49.1	59.4
72.5°	45.2	42.6	36.1	19.4	15.5	16.8	18.1	18.1	21.9	20.7	24.5
75°	32.3	29.7	25.8	9.0	5.2	6.5	7.7	6.5	7.7	5.2	6.5
77.5°	9.0	9.0	6.5	1.3	0.0	1.3	2.6	2.6	1.3	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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CATALOG NUMBER: GWS-SA3F-722-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9	1640.9
2.5°	1860.4	1890.1	1901.7	1884.9	1899.1	1875.9	1866.9	1832.0	1829.4	1823.0
5°	2110.9	2178.0	2218.0	2242.6	2214.2	2183.2	2136.7	2056.7	2032.1	2016.6
7.5°	2357.5	2462.0	2530.5	2562.8	2555.0	2491.7	2407.8	2273.6	2225.8	2202.5
10°	2571.8	2699.6	2782.2	2822.3	2805.5	2750.0	2629.9	2462.0	2398.8	2384.6
12.5°	2721.6	2839.0	2895.8	2930.7	2932.0	2910.0	2796.4	2627.3	2552.4	2534.3
15°	2815.8	2866.1	2867.4	2888.1	2924.2	2973.3	2920.4	2770.6	2690.6	2663.5
17.5°	2875.2	2819.7	2762.9	2768.0	2827.4	2957.8	3012.0	2897.1	2811.9	2782.2
20°	2917.8	2742.2	2636.3	2637.6	2698.3	2895.8	3075.3	3019.8	2932.0	2904.9
22.5°	2944.9	2673.8	2522.7	2518.9	2583.4	2822.3	3133.4	3165.7	3079.2	3048.2
25°	3000.4	2641.5	2454.3	2476.3	2533.1	2799.0	3212.2	3359.3	3279.3	3238.0
27.5°	3099.8	2673.8	2447.8	2498.2	2562.8	2867.4	3349.0	3617.5	3534.9	3488.4
30°	3271.5	2795.1	2547.3	2617.0	2694.4	3046.9	3578.8	3977.8	3859.0	3815.1
32.5°	3547.8	3046.9	2854.5	3004.3	3079.2	3341.3	3923.5	4381.9	4285.0	4197.2
35°	3928.7	3621.4	3599.5	3948.1	3930.0	3899.0	4347.0	4877.6	4731.7	4646.5
37.5°	4452.9	4545.8	4708.5	5054.5	5042.9	4806.6	4903.4	5346.3	5271.4	5161.7
40°	5107.4	5305.0	5581.2	6077.0	5922.1	5625.1	5586.4	5826.5	5765.9	5636.8
42.5°	5493.5	5834.3	6361.0	6806.5	6682.5	6163.5	6119.6	6468.2	6335.2	6194.5
45°	5672.9	6265.5	7298.4	7901.3	7525.6	6521.1	6504.4	7304.8	7229.9	7041.4
47.5°	5755.5	6700.6	8395.8	9308.5	8606.2	6834.9	6774.2	8518.4	8420.3	8198.2
50°	5847.2	7300.9	9717.8	10939.1	9911.5	7189.9	7233.8	9649.4	9608.1	9346.0
52.5°	6048.6	7936.1	11345.8	12803.4	11494.3	7746.4	8022.6	10715.8	10436.9	10134.8
55°	6350.7	8628.1	13039.7	14707.7	13109.4	8493.9	8876.0	11282.6	10500.2	10165.8
57.5°	6016.3	8801.1	14042.8	16037.5	13825.9	8496.5	8154.3	10300.1	9234.9	8910.9
60°	4774.3	8187.9	13656.8	15749.6	13215.3	7544.9	6243.6	8042.0	6996.2	6779.3
62.5°	3227.6	6867.1	12022.3	13319.9	11311.0	5935.0	4057.8	5230.1	4331.5	4152.0
65°	1768.8	5122.9	9713.9	10076.7	8852.8	4145.6	2087.6	2269.7	1728.7	1648.7
67.5°	488.0	3565.9	7147.3	6685.1	6211.3	2699.6	539.7	405.4	289.2	286.6
70°	122.7	2358.8	4282.4	4414.1	3808.6	1728.7	103.3	49.1	38.7	37.4
72.5°	51.6	1014.8	2032.1	2335.5	1949.5	800.5	37.4	14.2	11.6	9.0
75°	6.5	81.3	173.0	262.1	179.5	86.5	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	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)