

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: P634251

Luminaire Tested: GWS-SA3B-735-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634251
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-SA3B-735-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9713.6 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

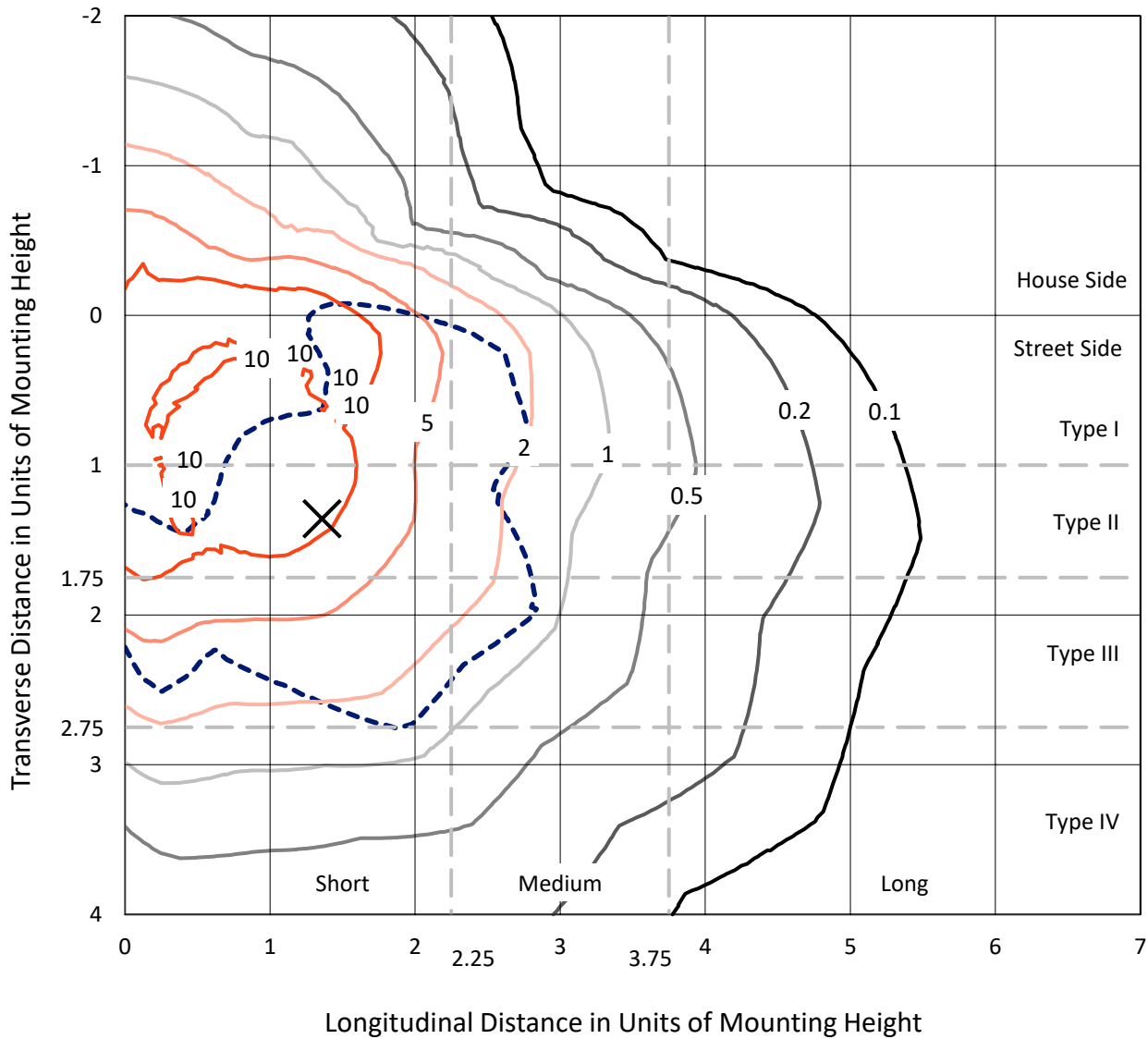
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

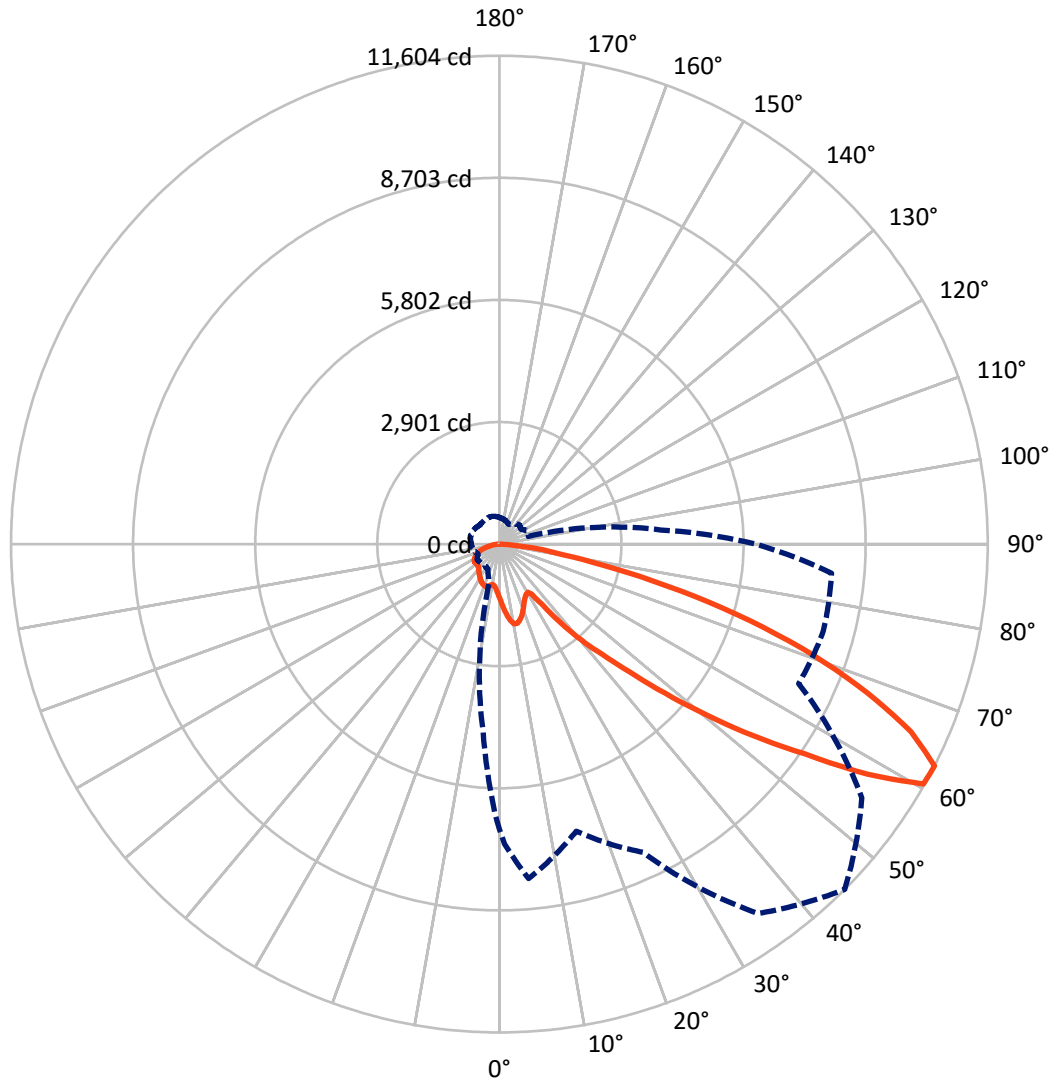
✕ Max cd
 - - - 1/2 Max cd



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 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2317.8	0.0	2317.8
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	7395.7	0.0	7395.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	9713.6	0.0	9713.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.9	1.3
10°-20°	394.7	4.1
20°-30°	613.1	6.3
30°-40°	832.4	8.6
40°-50°	1319.2	13.6
50°-60°	2327.1	24.0
60°-70°	2589.3	26.7
70°-80°	1313.2	13.5
80°-90°	198.8	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°	9713.6	100.0
0°-180°	9713.6	100.0

Coefficient of Utilization



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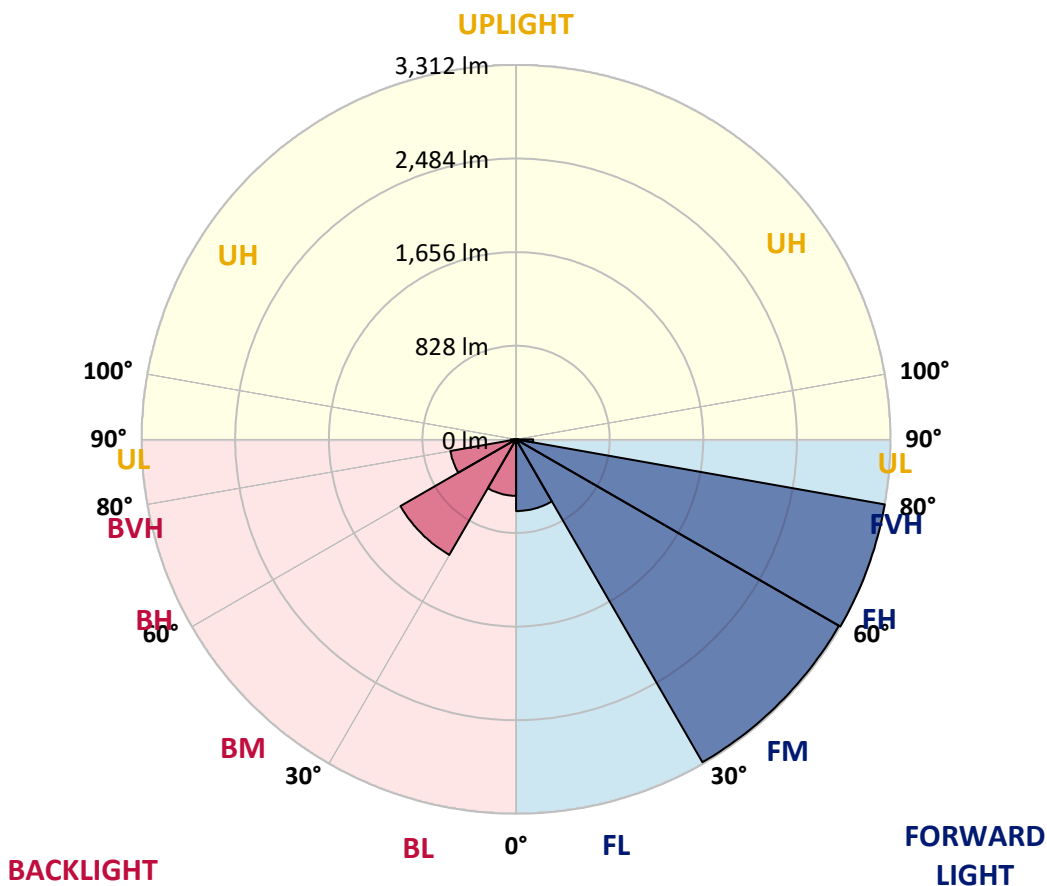
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	634.2	6.5			
FM (30°-60°)	3298.2	34.0			
FH (60°-80°)	3312.4	34.1			G2/5000
FVH (80°-90°)	150.9	1.6			G2/225
BL (0°-30°)	499.4	5.1	B1/500		
BM (30°-60°)	1180.5	12.2	B2/2500		
BH (60°-80°)	590.0	6.1	B2/1000		G2/1000
BVH (80°-90°)	47.9	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2
2.5°	1385.5	1384.8	1398.8	1420.1	1440.0	1448.8	1463.5	1462.0	1450.3	1434.8	1429.7
5°	1494.4	1497.3	1521.6	1568.7	1620.9	1642.9	1652.5	1648.8	1627.5	1600.3	1552.5
7.5°	1592.9	1598.1	1635.6	1706.2	1770.9	1800.3	1823.8	1819.4	1788.5	1737.8	1667.2
10°	1665.0	1670.9	1715.7	1798.8	1870.9	1896.7	1926.8	1928.3	1901.1	1832.7	1760.6
12.5°	1737.1	1742.9	1784.9	1860.6	1907.7	1908.4	1926.1	1935.6	1937.1	1905.5	1833.4
15°	1812.1	1817.2	1855.5	1898.1	1895.9	1854.7	1854.7	1873.1	1913.6	1936.4	1886.4
17.5°	1876.1	1882.7	1912.1	1898.1	1832.7	1758.4	1749.6	1773.1	1843.7	1931.2	1926.1
20°	1929.0	1934.2	1950.3	1857.7	1738.5	1641.5	1624.5	1651.8	1747.4	1899.6	1956.2
22.5°	1979.8	1982.7	1973.9	1804.7	1637.0	1526.0	1505.4	1534.1	1637.0	1843.7	1982.0
25°	2040.1	2037.1	1995.2	1749.6	1544.4	1434.8	1413.5	1445.8	1553.2	1769.4	2009.9
27.5°	2109.9	2098.9	2013.6	1690.0	1473.0	1367.1	1352.4	1387.0	1487.0	1701.0	2032.0
30°	2169.5	2148.2	2016.5	1637.0	1436.3	1338.5	1329.6	1362.0	1454.7	1654.7	2059.9
32.5°	2235.7	2206.3	2033.4	1623.1	1456.9	1407.6	1419.4	1421.6	1463.5	1641.5	2101.8
35°	2330.5	2292.3	2079.8	1663.5	1668.7	1751.8	1794.4	1737.1	1596.6	1670.9	2181.3
37.5°	2474.0	2425.4	2173.9	1838.6	2106.2	2292.3	2395.3	2264.4	2001.1	1781.9	2301.1
40°	2648.3	2586.5	2294.5	2162.1	2515.1	2813.0	2996.1	2804.2	2417.3	2059.2	2469.5
42.5°	2891.7	2827.0	2528.4	2479.8	2893.9	3337.3	3576.4	3290.3	2784.3	2417.3	2739.4
45°	3316.0	3253.5	2957.1	2798.3	3337.3	3983.0	4318.4	3920.5	3157.2	2776.9	3243.9
47.5°	4100.0	4026.4	3594.0	3151.3	3843.3	4821.4	5290.6	4711.1	3544.7	3188.8	4091.1
50°	5041.3	4970.7	4393.4	3569.0	4402.2	5717.9	6370.2	5639.9	3991.1	3689.6	5103.8
52.5°	6173.9	6160.6	5534.0	4097.0	4983.9	6673.9	7568.2	6668.8	4480.2	4364.0	6251.1
55°	7194.6	7324.1	6982.8	4902.3	5735.5	7874.9	8800.0	7791.1	5143.5	5478.9	7594.7
57.5°	7744.7	8092.6	8616.9	6545.2	6828.4	9310.4	10320.2	9161.1	6283.4	7335.1	8840.5
60°	7381.4	7775.6	8725.8	7782.2	7912.4	10460.6	11574.8	10312.8	7402.7	8623.5	8769.9
62.5°	6776.9	7130.6	7975.6	7060.0	8080.1	10713.6	11604.2	10513.6	7847.7	7969.8	7922.0
65°	6059.9	6416.5	7311.6	6162.8	7546.9	10112.8	10748.2	9923.0	7048.3	7200.5	7218.2
67.5°	5107.5	5437.0	6348.2	5479.6	6879.1	9231.0	9434.0	9081.7	6490.8	6733.5	6479.8
70°	3816.1	4113.2	4917.8	4453.0	5798.8	8082.3	7918.3	7970.5	5865.0	6106.2	5412.7
72.5°	2607.8	2831.4	3521.2	3499.1	4440.5	6470.2	6241.5	6736.5	4898.6	5218.5	4126.4
75°	1823.8	1998.1	2545.3	2764.4	3356.5	4795.7	4444.9	5042.0	3825.7	4282.4	3010.8
77.5°	1119.3	1234.8	1607.6	2048.1	2159.2	3282.2	2760.8	3794.0	2686.5	3123.3	2008.4
80°	559.7	615.5	781.0	1287.7	1431.9	1934.2	1524.5	2202.6	1818.0	1934.2	1111.2
82.5°	169.1	186.8	228.7	489.1	742.0	1113.4	900.9	1279.6	992.8	906.8	437.6
85°	44.9	50.7	63.2	144.9	260.3	399.3	304.5	620.0	475.8	334.6	164.7
87.5°	3.7	3.7	2.9	2.9	1.5	0.0	0.0	44.1	89.0	50.7	28.7
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°	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2
2.5°	1403.9	1401.0	1370.8	1348.8	1323.0	1298.0	1272.3	1249.5	1223.7	1198.0	1190.6
5°	1517.2	1496.6	1432.6	1378.9	1326.0	1279.6	1239.2	1197.3	1163.4	1130.3	1117.8
7.5°	1617.2	1581.2	1488.5	1406.9	1333.3	1276.0	1216.4	1155.3	1107.5	1060.5	1048.7
10°	1707.6	1659.8	1542.9	1440.0	1358.3	1292.9	1223.0	1141.4	1072.2	1014.9	999.4
12.5°	1774.6	1722.4	1590.0	1471.6	1378.9	1305.4	1236.2	1164.2	1091.4	1017.1	1000.2
15°	1827.5	1773.1	1629.0	1495.8	1379.6	1284.8	1217.9	1192.9	1170.1	1097.2	1066.4
17.5°	1870.2	1812.8	1662.8	1510.6	1359.8	1222.3	1164.2	1200.9	1259.0	1213.4	1155.3
20°	1909.2	1851.1	1688.5	1520.9	1315.7	1136.2	1103.9	1181.8	1269.3	1267.9	1215.7
22.5°	1951.8	1895.2	1726.0	1526.7	1253.9	1048.7	1067.8	1153.9	1225.2	1246.5	1214.2
25°	2006.2	1956.2	1778.2	1540.0	1184.0	988.4	1041.4	1117.8	1177.4	1182.6	1163.4
27.5°	2069.5	2032.0	1856.2	1570.9	1116.4	957.5	1010.5	1067.1	1121.5	1123.7	1100.9
30°	2138.6	2113.6	1928.3	1596.6	1065.6	948.0	970.8	1016.4	1050.9	1056.8	1036.9
32.5°	2226.9	2204.8	1992.3	1579.7	1035.5	945.8	934.0	957.5	986.2	986.2	970.8
35°	2348.2	2317.3	2059.9	1515.0	998.7	936.9	895.0	901.6	914.1	916.3	907.5
37.5°	2520.3	2469.5	2128.3	1387.0	938.4	905.3	850.1	842.1	846.5	852.4	850.1
40°	2733.6	2650.5	2228.3	1233.3	866.3	844.3	803.8	788.4	784.7	796.5	800.9
42.5°	3002.0	2874.8	2335.7	1089.9	800.9	774.4	749.4	736.2	730.3	750.1	761.9
45°	3430.7	3221.1	2438.7	948.0	764.1	714.8	697.9	688.4	691.3	714.8	729.5
47.5°	4171.3	3749.9	2536.5	858.2	761.2	672.2	651.6	653.8	661.9	686.9	704.5
50°	5108.2	4458.1	2601.9	820.7	770.0	646.4	619.2	631.0	643.5	667.8	688.4
52.5°	6062.1	5117.8	2524.0	800.1	769.3	647.2	589.1	624.4	630.3	654.5	676.6
55°	6718.1	5191.3	2180.5	768.5	757.5	676.6	565.5	621.4	625.1	647.2	667.0
57.5°	6968.1	4939.8	1662.8	777.3	722.2	699.4	555.2	600.8	627.3	646.4	667.0
60°	6665.9	4465.5	1010.5	800.1	665.6	697.9	561.9	563.3	608.9	641.3	661.9
62.5°	6095.9	3856.5	709.7	735.4	624.4	658.9	577.3	519.2	576.6	615.5	633.9
65°	5442.9	3140.2	541.3	633.2	604.5	598.6	582.5	480.2	532.4	570.7	586.9
67.5°	4762.6	2440.9	439.8	472.1	546.4	541.3	532.4	445.7	480.2	507.4	525.8
70°	3905.8	1707.6	371.4	354.5	468.5	485.4	465.5	402.3	413.3	441.3	456.0
72.5°	2857.1	1064.2	305.2	292.7	376.5	424.3	414.0	354.5	359.6	386.1	397.9
75°	2054.8	608.9	244.9	241.2	287.5	363.3	342.7	305.2	311.1	330.9	339.0
77.5°	1306.1	339.0	189.0	194.2	205.9	271.4	292.7	261.1	261.1	272.8	279.5
80°	699.4	194.2	138.3	140.5	144.1	207.4	230.9	202.2	202.2	194.2	202.2
82.5°	285.3	111.8	94.9	88.3	96.3	141.9	161.8	128.7	134.6	121.3	124.3
85°	94.1	55.9	47.1	46.3	45.6	62.5	78.0	64.0	76.5	48.5	50.7
87.5°	12.5	10.3	5.9	4.4	5.1	2.2	4.4	5.1	5.1	3.7	3.7
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°	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2
2.5°	1185.5	1179.6	1158.3	1163.4	1159.8	1153.9	1159.8	1148.7	1157.6	1160.5	1178.9
5°	1108.3	1094.3	1073.7	1063.4	1061.2	1055.3	1056.1	1050.9	1052.4	1064.9	1085.5
7.5°	1039.1	1025.9	1009.7	1002.4	995.8	989.1	988.4	987.7	993.6	1004.6	1024.4
10°	989.1	981.8	975.2	978.1	975.2	972.2	967.1	967.1	976.6	996.5	1020.8
12.5°	989.1	987.7	989.1	998.0	997.2	998.0	991.3	995.0	1021.5	1055.3	1089.9
15°	1042.1	1030.3	1030.3	1034.7	1033.3	1033.3	1033.3	1048.7	1109.0	1161.2	1198.0
17.5°	1106.8	1072.2	1057.5	1055.3	1054.6	1054.6	1057.5	1090.6	1184.8	1239.9	1261.2
20°	1151.7	1086.2	1061.9	1052.4	1053.1	1054.6	1063.4	1109.0	1212.7	1240.7	1235.5
22.5°	1159.8	1075.2	1045.8	1031.8	1034.0	1035.5	1048.7	1097.2	1174.5	1178.9	1168.6
25°	1122.3	1044.3	1012.7	1001.6	1004.6	1003.8	1015.6	1050.9	1106.1	1104.6	1098.7
27.5°	1066.4	995.0	971.5	964.1	969.3	963.4	967.1	994.3	1036.9	1035.5	1033.3
30°	1009.0	947.2	925.9	922.2	928.8	920.0	920.7	943.5	973.0	971.5	970.8
32.5°	951.6	899.4	880.3	880.3	886.9	877.4	878.8	898.7	918.5	912.7	912.7
35°	897.2	860.4	845.0	842.1	847.2	840.6	843.5	861.9	869.3	861.2	856.0
37.5°	849.4	833.2	817.8	807.5	808.2	809.0	817.8	831.8	827.3	815.6	809.0
40°	805.3	805.3	790.6	771.5	769.3	774.4	789.1	804.6	792.0	778.8	770.7
42.5°	773.7	780.3	766.3	747.2	742.8	751.6	767.8	778.8	764.1	749.4	738.4
45°	744.2	760.4	750.9	729.5	723.7	734.0	754.5	759.0	739.1	725.1	717.0
47.5°	723.7	745.7	739.1	718.5	709.7	724.4	745.7	745.0	720.0	705.3	698.6
50°	708.9	736.9	736.2	718.5	708.9	727.3	746.5	736.9	709.7	694.2	687.6
52.5°	697.2	736.2	741.3	731.0	724.4	740.6	752.3	734.0	702.3	686.1	681.0
55°	692.0	739.1	742.8	733.2	727.3	742.0	752.3	739.8	702.3	687.6	683.2
57.5°	693.5	735.4	736.2	722.9	712.6	731.0	747.2	743.5	710.4	693.5	688.4
60°	684.7	715.6	717.0	696.4	684.7	706.7	735.4	733.2	706.7	689.1	679.5
62.5°	655.3	682.5	683.2	664.1	647.2	678.8	710.4	709.7	685.4	667.8	656.7
65°	606.0	634.7	642.0	623.6	610.4	644.2	677.3	675.9	651.6	635.4	624.4
67.5°	544.9	575.8	589.8	577.3	572.2	603.0	633.9	633.2	613.3	597.9	588.3
70°	470.7	496.4	519.9	519.9	516.3	551.6	584.7	581.7	563.3	551.6	544.2
72.5°	408.9	428.8	436.1	443.5	454.5	491.3	519.2	521.4	508.2	502.3	508.2
75°	347.9	360.4	367.0	361.1	380.2	418.5	455.2	458.9	444.9	435.4	437.6
77.5°	286.1	300.1	306.7	293.4	292.0	340.5	385.4	393.5	381.7	367.0	371.4
80°	206.7	225.0	236.1	227.2	224.3	245.6	307.4	316.2	305.2	293.4	300.1
82.5°	126.5	136.8	139.7	148.6	166.9	175.8	197.8	227.2	219.2	208.9	227.2
85°	50.0	59.6	66.2	75.0	87.5	103.7	122.1	145.6	132.4	128.0	150.8
87.5°	2.9	0.7	0.0	1.5	12.5	24.3	52.2	72.1	60.3	64.7	78.0
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-SA3B-735-U-SLR-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2
2.5°	1193.6	1212.7	1238.4	1259.8	1287.0	1312.7	1339.2	1365.7	1379.6	1385.5
5°	1109.0	1144.3	1185.5	1231.1	1284.0	1339.9	1396.6	1454.7	1491.4	1494.4
7.5°	1058.3	1109.0	1165.6	1223.0	1288.5	1365.7	1455.4	1545.1	1582.6	1592.9
10°	1074.5	1131.1	1175.9	1229.6	1301.7	1398.0	1503.9	1609.1	1652.5	1665.0
12.5°	1139.2	1150.2	1164.2	1213.4	1301.7	1426.0	1553.9	1679.0	1725.3	1737.1
15°	1192.9	1139.9	1114.9	1167.1	1284.0	1450.3	1606.9	1745.2	1801.0	1812.1
17.5°	1197.3	1106.1	1051.7	1098.7	1253.2	1467.2	1657.6	1818.7	1865.8	1876.1
20°	1152.4	1070.0	999.4	1028.1	1211.2	1474.5	1694.4	1872.4	1918.7	1929.0
22.5°	1101.7	1040.6	964.1	962.7	1160.5	1482.6	1738.5	1923.1	1973.1	1979.8
25°	1053.9	1000.2	935.5	914.9	1101.7	1498.1	1798.1	1999.6	2037.9	2040.1
27.5°	998.0	956.8	912.7	892.8	1050.2	1527.5	1886.4	2090.8	2113.6	2109.9
30°	947.2	916.3	896.5	890.6	1017.8	1549.5	1970.2	2180.5	2182.0	2169.5
32.5°	893.5	881.8	881.8	900.9	991.3	1544.4	2038.6	2268.0	2254.1	2235.7
35°	845.7	847.9	863.4	908.2	947.2	1492.9	2104.0	2377.6	2357.0	2330.5
37.5°	800.1	817.1	839.1	882.5	889.1	1416.4	2180.5	2532.8	2507.1	2474.0
40°	761.2	786.9	812.6	834.0	827.3	1307.6	2287.2	2715.2	2686.5	2648.3
42.5°	730.3	755.3	784.0	786.2	788.4	1194.3	2400.4	2938.7	2933.6	2891.7
45°	710.4	726.6	753.8	750.1	786.2	1069.3	2504.8	3280.0	3347.6	3316.0
47.5°	697.2	709.7	712.6	728.1	805.3	957.5	2639.4	3947.7	4136.0	4100.0
50°	689.8	702.3	669.2	729.5	808.2	885.4	2825.5	4786.1	5089.1	5041.3
52.5°	689.1	686.1	636.1	745.0	792.0	841.3	2922.6	5398.0	6070.2	6173.9
55°	690.6	653.8	619.2	749.4	759.7	825.1	2597.5	5692.2	6975.5	7194.6
57.5°	677.3	618.5	628.8	731.7	698.6	868.5	1920.2	5587.0	7337.3	7744.7
60°	652.3	584.7	646.4	683.9	636.1	794.3	1322.3	5117.8	6962.2	7381.4
62.5°	616.3	561.1	644.2	622.2	613.3	650.1	909.0	4461.1	6367.3	6776.9
65°	575.8	542.0	609.7	562.6	567.7	500.1	642.8	3719.8	5656.9	6059.9
67.5°	532.4	530.2	558.9	500.8	479.5	396.4	468.5	2981.4	4744.2	5107.5
70°	483.2	499.4	508.2	444.9	389.0	311.1	347.9	2084.9	3499.9	3816.1
72.5°	433.9	435.4	447.9	386.8	291.2	249.3	261.1	1262.7	2377.6	2607.8
75°	383.9	369.9	381.7	314.8	216.9	204.4	201.5	780.3	1642.2	1823.8
77.5°	330.2	314.8	299.3	236.8	174.3	158.1	154.4	437.6	1007.5	1119.3
80°	268.4	247.8	223.6	173.6	127.2	113.3	112.5	213.3	502.3	559.7
82.5°	208.9	169.9	163.3	108.1	78.7	69.1	73.5	81.6	151.5	169.1
85°	146.3	123.6	86.8	43.4	35.3	28.7	27.9	24.3	40.4	44.9
87.5°	81.6	53.7	27.9	5.1	5.9	6.6	5.1	3.7	3.7	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)