

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: P634080

Luminaire Tested: GWS-SA3B-722-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634080
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-SA3B-722-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5963.7 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

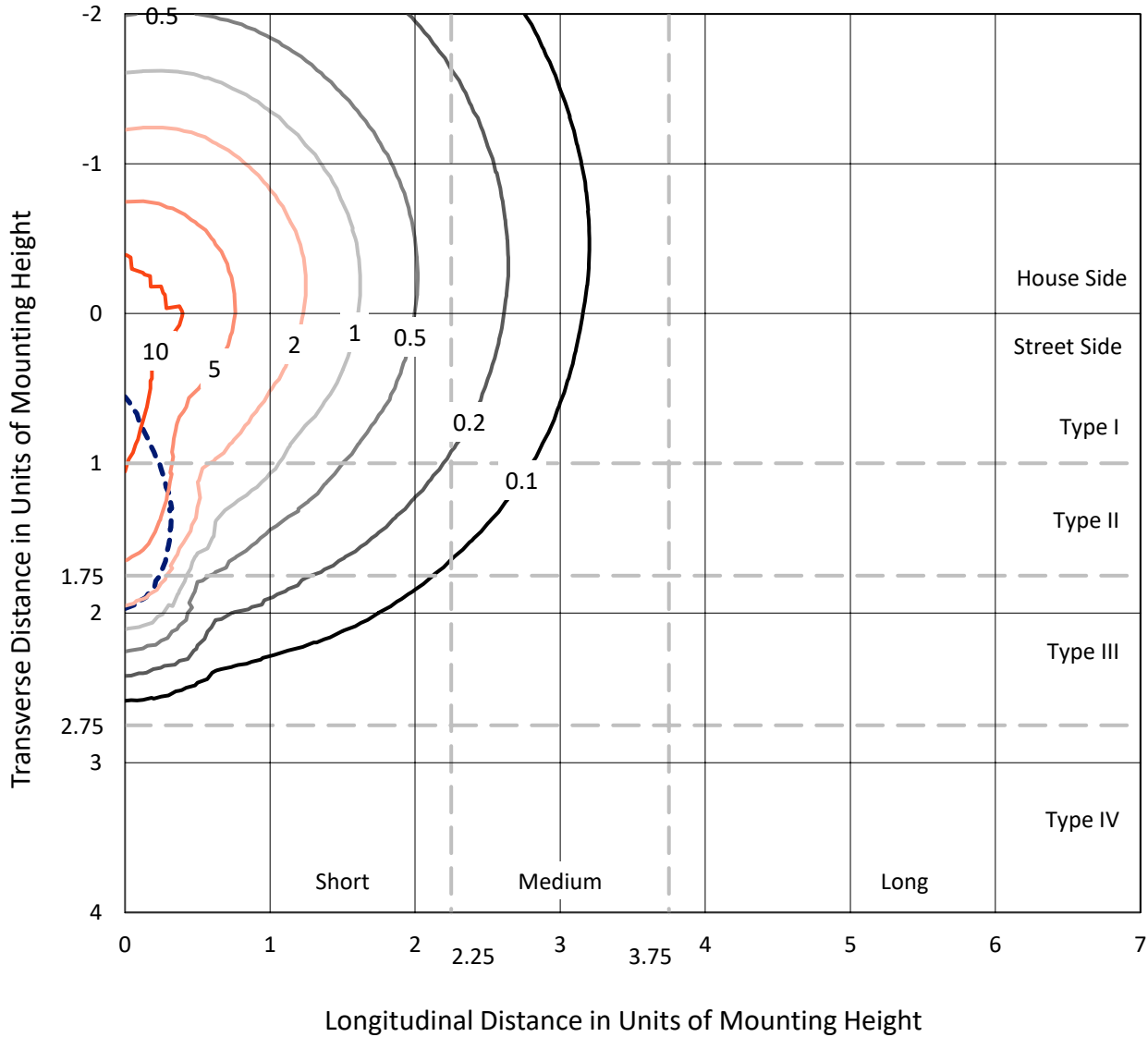
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

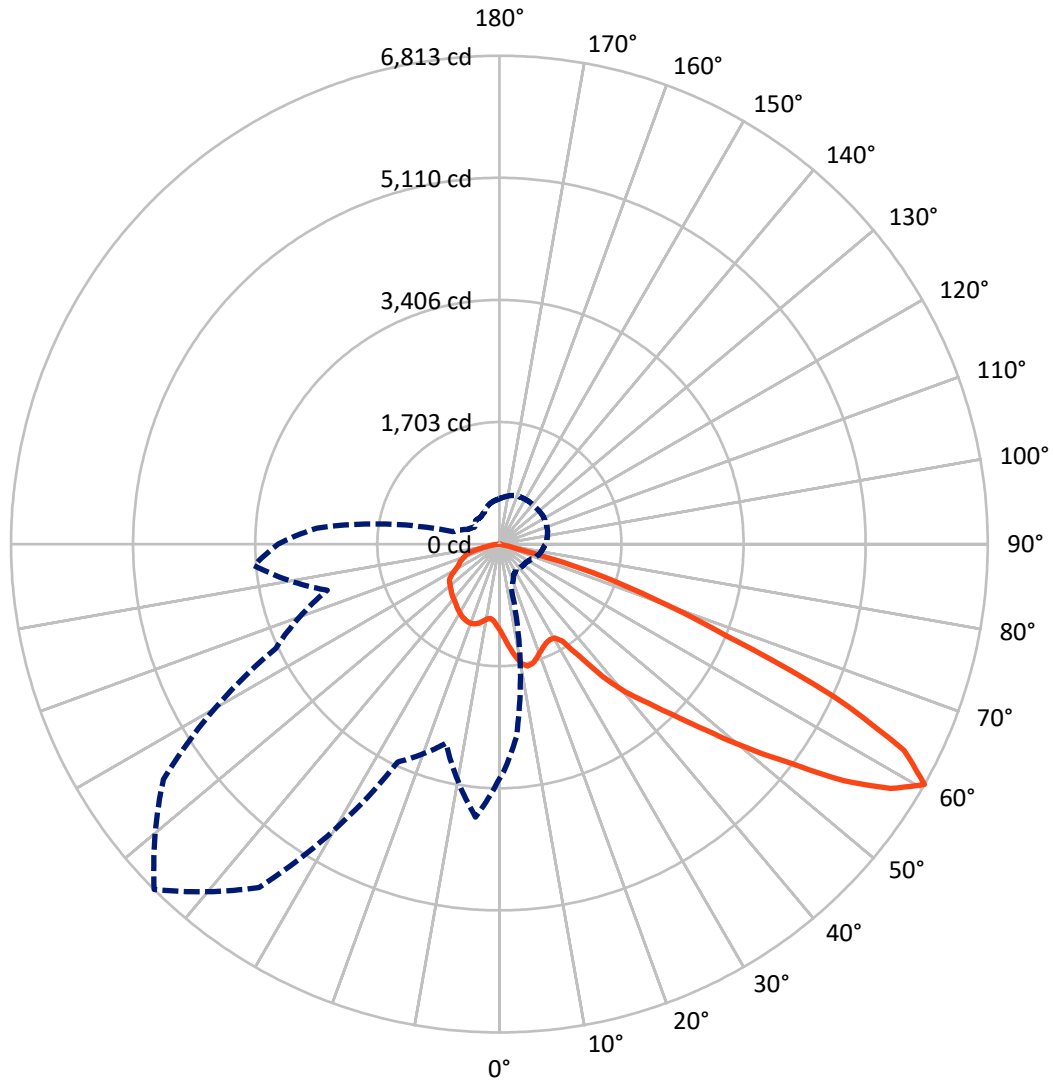
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.5 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
House Side	Lumens	2040.1	0.0	2040.1
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	3923.6	0.0	3923.6
	% Fixture	65.8	0.0	65.8
Total	Lumens	5963.7	0.0	5963.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.5	2.0
10°-20°	376.9	6.3
20°-30°	613.9	10.3
30°-40°	862.3	14.5
40°-50°	1180.0	19.8
50°-60°	1513.9	25.4
60°-70°	1019.4	17.1
70°-80°	254.9	4.3
80°-90°	24.8	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°	5963.7	100.0
0°-180°	5963.7	100.0

Coefficient of Utilization



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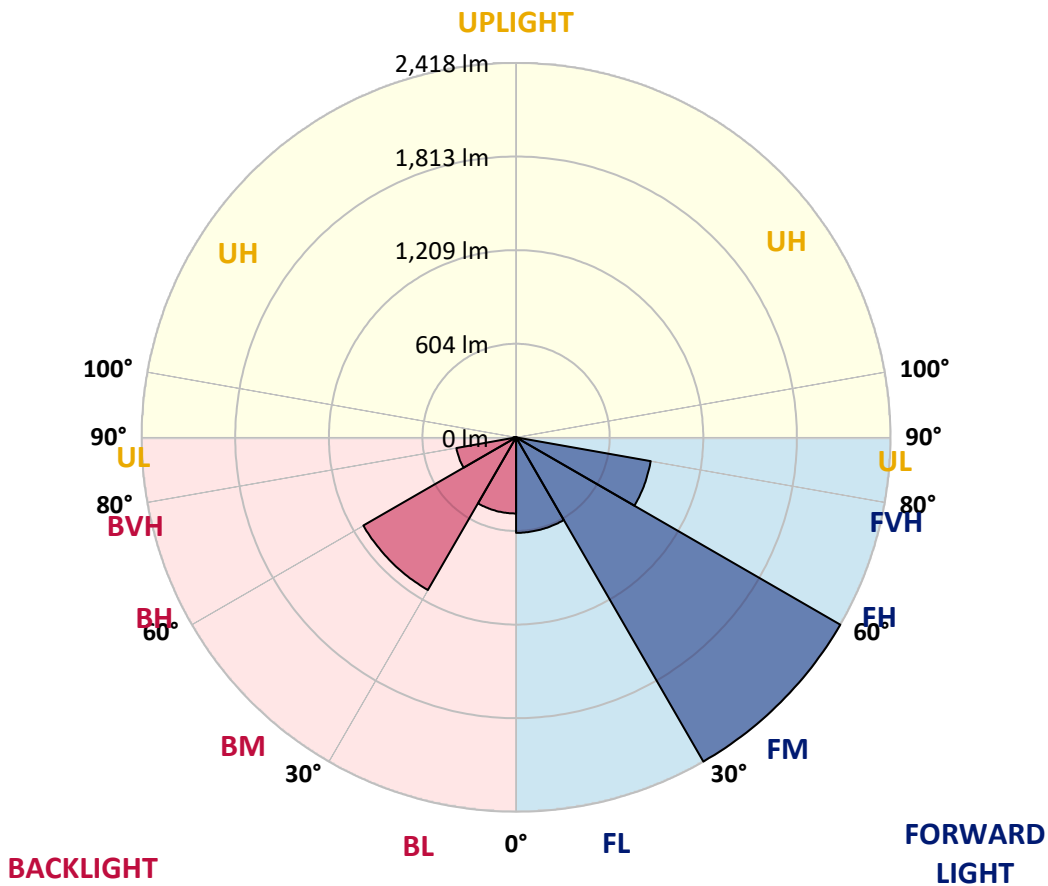
CATALOG NUMBER: GWS-SA3B-722-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	616.5	10.3			
FM (30°-60°)	2417.7	40.5			
FH (60°-80°)	882.9	14.8			G1/1800
FVH (80°-90°)	6.5	0.1			G0/10
BL (0°-30°)	491.8	8.2	B1/500		
BM (30°-60°)	1138.6	19.1	B2/2500		
BH (60°-80°)	391.4	6.6	B1/500		G1/500
BVH (80°-90°)	18.4	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°	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8
2.5°	1272.6	1269.8	1267.1	1245.7	1240.2	1224.8	1213.8	1200.1	1180.3	1169.3	1160.0
5°	1352.2	1347.8	1333.0	1289.0	1260.5	1229.2	1203.4	1174.8	1144.6	1124.8	1109.4
7.5°	1427.5	1426.4	1401.1	1328.6	1282.5	1237.4	1202.3	1160.5	1117.1	1087.5	1067.7
10°	1497.2	1489.0	1458.8	1364.3	1303.9	1252.2	1214.3	1168.2	1117.7	1077.6	1051.2
12.5°	1558.7	1548.3	1506.5	1397.2	1322.5	1258.8	1217.6	1179.7	1146.2	1112.7	1082.5
15°	1609.2	1596.6	1554.3	1428.0	1339.0	1255.0	1197.3	1167.7	1179.2	1194.0	1160.5
17.5°	1656.5	1643.3	1591.7	1450.5	1344.0	1231.4	1147.3	1134.7	1192.9	1260.5	1245.1
20°	1696.0	1681.2	1621.3	1461.5	1335.2	1186.3	1082.5	1104.5	1181.4	1262.1	1286.8
22.5°	1738.9	1726.8	1654.8	1477.4	1324.2	1124.3	1028.2	1082.0	1161.6	1232.5	1269.8
25°	1807.5	1792.7	1707.0	1505.4	1318.7	1066.1	989.2	1060.0	1134.2	1198.4	1227.5
27.5°	1906.9	1879.5	1778.4	1554.3	1324.7	1011.1	964.4	1033.1	1102.3	1157.2	1180.8
30°	2015.1	1982.2	1857.5	1604.9	1333.5	977.6	951.3	1002.3	1053.4	1108.3	1134.2
32.5°	2143.1	2114.0	1942.1	1642.7	1314.9	962.3	941.4	968.8	1009.5	1053.4	1074.8
35°	2295.8	2243.6	2034.3	1673.5	1254.4	939.7	932.6	932.0	953.5	996.3	1020.5
37.5°	2460.0	2404.0	2148.0	1706.5	1160.5	904.0	911.7	888.7	908.4	942.5	969.9
40°	2594.6	2535.8	2262.8	1751.5	1043.0	848.0	865.6	840.9	853.0	888.1	918.9
42.5°	2726.4	2663.8	2369.9	1802.6	929.3	793.1	801.9	792.5	796.4	833.2	876.0
45°	2899.4	2829.1	2501.7	1838.8	827.1	749.7	741.5	725.5	745.9	793.6	839.2
47.5°	3188.3	3104.3	2717.6	1862.4	753.0	725.0	687.1	677.8	703.0	756.3	803.5
50°	3526.1	3453.6	3062.5	1861.3	697.5	704.1	634.4	626.1	667.9	721.7	771.7
52.5°	3802.9	3729.3	3357.4	1806.4	651.9	659.6	603.6	580.5	637.7	687.6	737.6
55°	4026.4	3943.5	3493.1	1576.8	594.3	588.8	570.1	527.8	599.8	653.6	700.3
57.5°	3906.1	3807.3	3328.9	1199.0	535.0	500.3	512.4	481.1	548.1	615.7	660.7
60°	3275.1	3186.1	2704.4	638.2	470.7	418.0	443.2	448.2	491.6	570.1	616.2
62.5°	2249.6	2184.8	1832.8	387.2	371.3	335.6	375.1	410.8	443.2	509.7	549.8
65°	1100.7	1081.4	916.7	248.3	259.8	271.3	310.9	354.3	402.0	460.3	502.5
67.5°	303.2	305.4	277.9	193.9	204.9	236.7	268.0	302.6	350.4	404.2	447.1
70°	133.5	135.7	140.1	149.4	170.3	199.4	231.8	267.5	311.4	356.5	397.6
72.5°	92.8	95.0	101.6	113.7	132.4	159.8	190.6	224.6	270.2	308.1	342.2
75°	57.1	58.8	64.8	75.2	87.9	108.7	139.0	170.3	210.4	245.0	275.2
77.5°	30.2	29.1	33.0	40.1	51.1	62.1	82.4	102.2	130.7	158.7	184.0
80°	16.5	15.9	18.1	22.0	25.3	34.1	47.8	61.0	77.4	93.4	107.1
82.5°	7.1	6.6	7.1	9.3	11.5	16.5	24.2	33.5	42.8	53.8	62.6
85°	0.0	0.0	0.0	0.5	2.7	4.4	8.2	12.1	17.6	24.2	29.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.9
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°	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8
2.5°	1154.5	1140.8	1139.7	1128.7	1129.8	1130.3	1119.3	1114.9	1118.8	1123.2	1121.0
5°	1104.0	1089.7	1083.6	1073.2	1072.1	1067.2	1062.8	1057.3	1061.1	1065.0	1067.2
7.5°	1060.0	1050.7	1046.8	1044.1	1045.2	1043.0	1034.2	1029.3	1028.7	1030.4	1032.6
10°	1045.7	1038.0	1043.0	1050.7	1056.2	1060.0	1050.7	1042.4	1034.8	1031.5	1031.5
12.5°	1076.5	1066.6	1076.5	1084.7	1095.7	1098.5	1088.0	1079.2	1076.5	1079.8	1086.4
15°	1144.6	1121.5	1121.0	1125.9	1134.7	1139.1	1129.2	1124.8	1124.8	1145.7	1162.2
17.5°	1212.7	1174.8	1158.9	1156.1	1161.6	1163.3	1155.0	1151.2	1161.1	1201.7	1232.5
20°	1260.5	1214.3	1179.7	1173.2	1174.8	1175.4	1168.8	1166.0	1180.3	1229.7	1255.5
22.5°	1255.5	1221.5	1179.2	1171.0	1173.7	1172.6	1166.6	1165.5	1177.0	1219.8	1231.9
25°	1221.5	1195.1	1159.4	1153.9	1158.3	1157.8	1151.7	1149.0	1153.9	1182.5	1183.6
27.5°	1182.5	1159.4	1128.7	1127.0	1134.2	1138.0	1127.6	1119.3	1117.7	1136.9	1132.5
30°	1135.8	1118.8	1094.1	1095.2	1108.3	1110.5	1097.9	1085.8	1082.5	1093.0	1086.9
32.5°	1080.3	1074.8	1061.7	1064.4	1077.0	1081.4	1068.3	1055.6	1051.8	1055.1	1042.4
35°	1033.1	1030.9	1032.0	1036.9	1047.9	1051.2	1040.2	1030.4	1024.9	1013.3	996.9
37.5°	984.2	990.3	1006.2	1015.5	1021.6	1020.5	1014.4	1007.3	998.5	977.1	956.8
40°	938.6	954.0	982.6	993.0	995.2	995.8	991.4	985.3	974.3	945.8	922.7
42.5°	903.5	920.5	958.4	974.3	975.4	976.5	972.1	967.2	951.8	913.9	891.4
45°	866.7	889.2	933.7	952.9	951.8	951.3	947.4	945.2	927.1	883.2	858.4
47.5°	835.4	861.7	909.5	926.0	925.5	924.9	922.2	922.2	904.0	856.3	828.2
50°	804.6	834.8	884.8	898.5	899.6	898.5	897.4	899.1	877.7	826.6	799.1
52.5°	771.1	805.2	857.3	870.0	876.6	879.3	879.3	875.5	850.2	796.9	766.7
55°	734.3	766.7	827.1	844.2	849.7	854.6	854.6	846.9	823.3	769.5	737.1
57.5°	688.7	717.3	765.1	782.1	795.3	798.6	798.6	785.9	766.7	715.1	688.7
60°	639.3	664.0	696.4	714.5	724.4	717.8	722.8	719.5	704.1	656.3	634.4
62.5°	573.4	598.7	634.4	653.0	657.4	650.8	657.4	656.9	636.0	593.2	566.8
65°	526.2	550.9	586.0	610.2	617.3	615.7	620.1	613.5	587.7	547.0	521.8
67.5°	470.1	496.5	537.1	564.1	578.9	580.5	586.6	572.8	546.5	502.0	470.1
70°	416.9	439.4	470.7	496.0	516.8	527.3	528.4	508.6	475.6	438.8	415.8
72.5°	360.8	383.9	421.8	449.3	475.6	487.7	487.7	463.6	427.9	387.2	362.5
75°	292.7	314.2	348.8	378.4	408.6	424.0	423.5	402.6	363.0	324.6	298.8
77.5°	198.3	214.2	236.2	258.7	263.1	275.2	281.2	254.8	232.9	212.0	188.9
80°	115.3	125.2	137.3	149.9	152.7	156.5	146.6	136.8	125.2	111.5	101.1
82.5°	67.6	74.1	80.2	90.1	91.7	92.8	84.0	79.6	70.3	62.1	55.5
85°	33.0	35.2	40.6	45.6	43.4	42.3	38.4	34.1	30.2	26.9	23.6
87.5°	6.6	6.6	9.9	9.3	7.7	6.6	3.8	4.9	1.1	1.1	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°	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8
2.5°	1128.1	1137.5	1149.0	1164.4	1181.9	1200.6	1218.7	1232.5	1246.2	1266.5	1263.2
5°	1070.5	1086.4	1104.5	1128.1	1156.7	1189.1	1225.3	1261.6	1300.6	1333.5	1347.8
7.5°	1036.9	1054.5	1075.9	1106.7	1143.5	1183.0	1234.1	1292.9	1356.1	1399.4	1426.4
10°	1036.9	1059.5	1087.5	1117.1	1149.5	1190.2	1253.3	1326.9	1408.2	1465.3	1496.7
12.5°	1096.8	1119.3	1125.4	1124.3	1142.4	1187.4	1268.7	1362.6	1459.9	1520.3	1558.7
15°	1190.2	1197.9	1152.3	1110.5	1113.3	1167.7	1275.9	1391.2	1504.3	1576.8	1618.6
17.5°	1252.8	1232.5	1151.2	1078.1	1062.8	1134.2	1275.9	1418.7	1551.6	1633.4	1672.4
20°	1257.7	1207.2	1123.2	1046.8	1007.3	1089.7	1267.1	1439.5	1597.2	1687.8	1729.5
22.5°	1214.3	1164.4	1093.5	1019.9	961.7	1035.8	1252.8	1455.5	1636.2	1738.9	1790.5
25°	1164.9	1123.2	1063.3	992.5	930.4	981.5	1239.6	1482.4	1690.5	1808.1	1860.2
27.5°	1116.6	1081.4	1027.1	969.4	912.8	934.2	1231.4	1521.9	1755.3	1906.4	1951.4
30°	1069.4	1037.5	988.1	947.4	903.5	903.5	1224.2	1567.5	1841.0	2016.8	2061.8
32.5°	1021.6	991.4	951.3	926.0	898.0	891.4	1204.5	1610.3	1929.4	2137.6	2183.7
35°	977.1	946.9	916.1	905.7	895.2	882.1	1155.6	1643.8	2015.7	2278.8	2318.3
37.5°	935.3	906.2	883.2	880.4	881.5	856.8	1078.7	1671.9	2123.3	2423.2	2444.1
40°	899.1	866.7	848.6	848.0	853.5	816.2	981.5	1712.0	2246.4	2545.7	2536.9
42.5°	866.7	832.6	810.7	815.6	812.3	775.5	886.5	1748.8	2353.5	2660.5	2642.9
45°	834.8	801.9	771.1	778.3	774.4	750.2	805.7	1775.7	2472.1	2798.3	2800.5
47.5°	804.1	771.7	740.9	732.1	731.6	742.6	743.7	1784.5	2665.4	3020.2	2970.2
50°	775.5	743.1	711.3	681.6	693.1	727.2	697.5	1777.9	2954.9	3265.2	3125.7
52.5°	745.9	715.1	679.9	626.7	656.9	690.4	656.3	1754.2	3131.7	3481.6	3398.1
55°	711.8	682.7	634.9	570.1	606.9	614.0	614.0	1525.8	3207.0	3695.8	3747.4
57.5°	666.2	627.8	552.0	499.8	532.8	505.3	569.0	1067.7	3082.8	3628.2	3828.7
60°	614.6	573.4	493.2	455.9	465.7	417.4	485.0	669.5	2555.0	3087.2	3434.3
62.5°	546.5	508.6	442.1	413.0	392.7	340.5	390.5	423.5	1751.5	2292.5	2529.2
65°	500.9	459.2	399.8	361.4	319.7	274.1	259.2	277.9	941.9	1283.0	1442.8
67.5°	447.1	405.9	349.9	301.5	268.0	235.1	209.3	202.7	322.9	427.3	462.5
70°	396.0	356.5	309.8	264.7	231.2	198.8	173.6	155.4	149.4	148.3	146.1
72.5°	343.8	307.0	268.0	226.3	189.5	159.8	137.3	116.4	107.6	104.9	102.2
75°	281.8	252.6	213.7	168.6	139.0	111.5	93.9	80.2	72.5	69.8	66.5
77.5°	181.2	168.1	134.0	108.7	84.0	66.5	57.1	48.3	43.4	42.3	39.5
80°	96.7	90.1	74.1	62.6	50.0	40.6	35.7	30.8	28.0	26.9	25.8
82.5°	53.8	48.9	41.2	36.2	29.1	24.7	22.0	19.8	18.1	17.6	17.0
85°	24.2	20.9	16.5	15.4	13.7	12.6	12.1	11.0	10.4	9.9	9.3
87.5°	1.1	2.2	2.7	2.2	2.2	3.3	3.8	3.8	3.3	3.3	2.7
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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CATALOG NUMBER: GWS-SA3B-722-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8
2.5°	1283.6	1300.0	1301.7	1307.2	1300.0	1298.4	1286.8	1280.3	1274.2	1272.6
5°	1383.5	1416.5	1429.6	1439.0	1430.2	1425.8	1400.5	1374.2	1359.3	1352.2
7.5°	1486.2	1535.6	1561.5	1573.0	1574.1	1554.3	1510.9	1461.5	1436.8	1427.5
10°	1577.9	1638.9	1673.0	1694.9	1687.2	1663.1	1603.8	1536.7	1505.4	1497.2
12.5°	1646.0	1704.3	1730.6	1744.9	1744.4	1731.2	1675.2	1602.7	1567.0	1558.7
15°	1690.0	1724.6	1726.2	1729.5	1738.9	1756.4	1727.3	1660.3	1620.8	1609.2
17.5°	1724.6	1710.9	1685.0	1676.3	1697.1	1746.0	1763.6	1709.2	1666.4	1656.5
20°	1746.6	1677.4	1631.8	1614.7	1638.9	1718.5	1785.5	1753.1	1708.7	1696.0
22.5°	1763.6	1646.0	1572.4	1560.9	1586.2	1688.9	1808.1	1805.3	1756.4	1738.9
25°	1790.5	1625.2	1530.7	1522.5	1546.1	1674.6	1838.3	1876.2	1832.8	1807.5
27.5°	1832.8	1623.0	1509.3	1506.5	1538.9	1687.2	1881.7	1980.0	1925.6	1906.9
30°	1891.6	1643.8	1514.2	1519.7	1559.3	1732.8	1949.2	2098.6	2044.2	2015.1
32.5°	1976.1	1699.9	1589.5	1613.1	1642.2	1805.9	2048.1	2227.1	2185.9	2143.1
35°	2087.6	1853.7	1811.9	1912.4	1885.0	1965.7	2167.3	2383.1	2333.1	2295.8
37.5°	2236.5	2168.9	2207.4	2345.8	2279.3	2267.8	2312.8	2524.8	2497.4	2460.0
40°	2445.2	2458.9	2529.8	2711.6	2615.4	2541.3	2491.3	2631.4	2640.7	2594.6
42.5°	2583.6	2646.7	2817.6	3024.1	2891.7	2714.3	2640.7	2767.6	2768.1	2726.4
45°	2635.2	2800.5	3157.5	3395.3	3174.0	2813.2	2723.1	2952.7	2947.2	2899.4
47.5°	2616.5	2930.1	3510.7	3874.3	3536.5	2883.5	2711.6	3216.3	3260.8	3188.3
50°	2577.5	3060.3	3923.2	4460.9	3981.4	2958.2	2694.0	3508.5	3582.1	3526.1
52.5°	2617.1	3205.3	4410.9	5067.2	4539.4	3077.3	2812.6	3883.6	3870.4	3802.9
55°	2742.3	3376.7	5003.5	5829.0	5152.3	3278.9	3117.4	4241.2	4107.1	4026.4
57.5°	2736.3	3499.1	5523.1	6431.5	5685.6	3444.2	3223.4	4279.1	4008.3	3906.1
60°	2483.6	3443.1	5720.8	6812.7	5846.6	3353.1	2874.7	3822.1	3382.2	3275.1
62.5°	1853.7	3055.4	5337.4	6335.4	5391.2	2896.1	2161.8	2743.4	2430.3	2249.6
65°	1185.8	2390.3	4487.2	5132.6	4443.8	2215.0	1287.4	1470.8	1152.3	1100.7
67.5°	504.7	1687.2	3488.2	3430.5	3324.5	1435.1	497.1	414.1	308.7	303.2
70°	167.0	1147.9	2150.2	2288.1	1985.5	988.6	164.2	139.0	138.4	133.5
72.5°	109.3	616.2	1210.5	1347.8	1277.5	569.0	99.4	92.8	95.0	92.8
75°	65.4	134.0	203.8	264.7	203.8	95.6	59.9	58.8	59.9	57.1
77.5°	38.4	37.3	36.2	36.2	35.7	33.0	30.2	29.1	29.7	30.2
80°	24.7	23.6	22.5	22.0	19.2	18.1	17.0	15.9	15.9	16.5
82.5°	15.9	14.8	13.7	12.1	9.9	8.2	7.7	6.6	6.6	7.1
85°	8.2	6.6	4.9	3.8	2.2	1.1	0.0	0.0	0.0	0.0
87.5°	1.6	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)