

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: P630945

Luminaire Tested: GWS-SA1E-760-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630945  
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-SA1E-760-U-SLL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

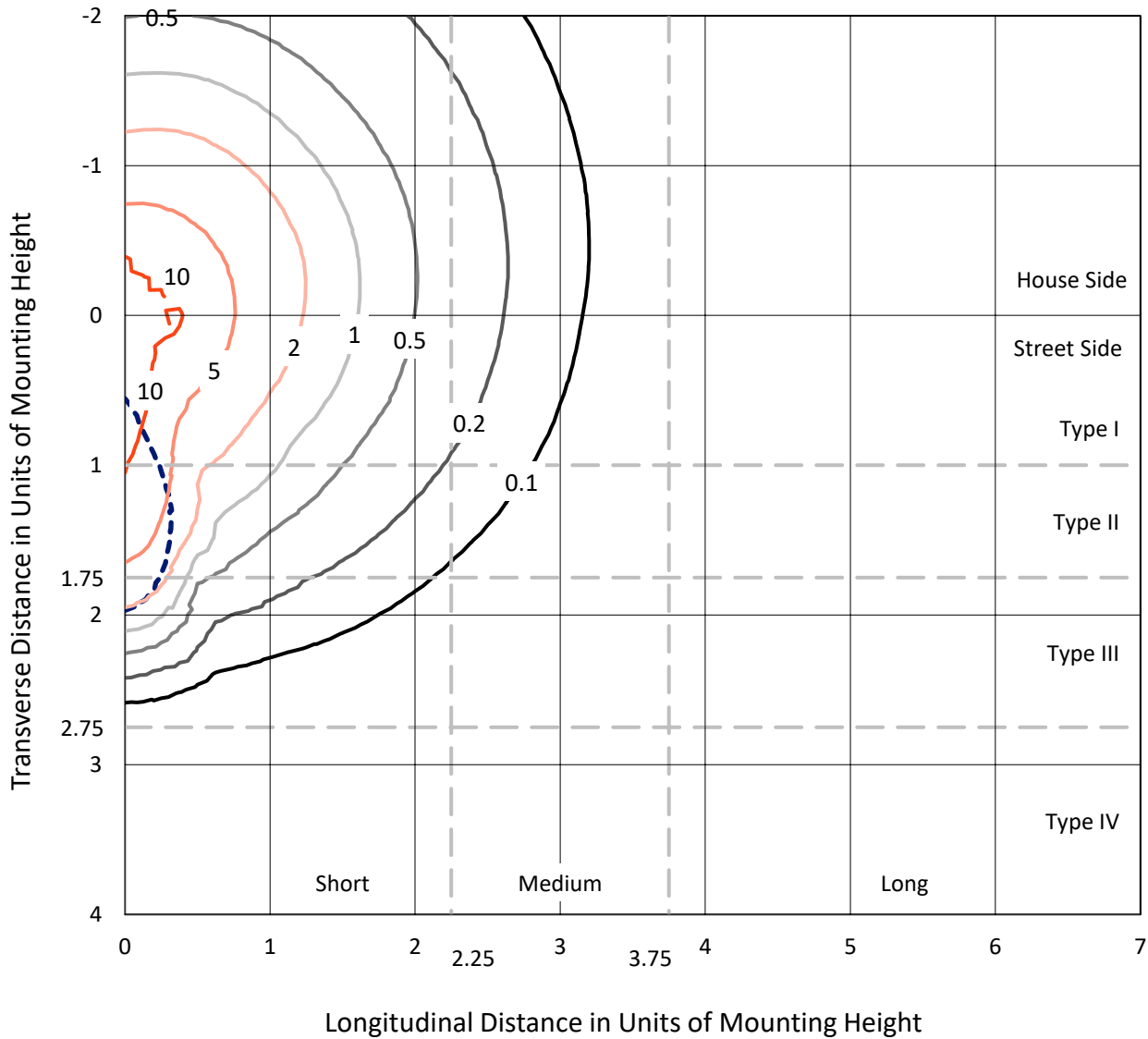
Lumens per Lamp: N/A  
Luminaire Lumens: 5950.7 lumens  
Efficiency: N/A  
Efficacy: 101.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

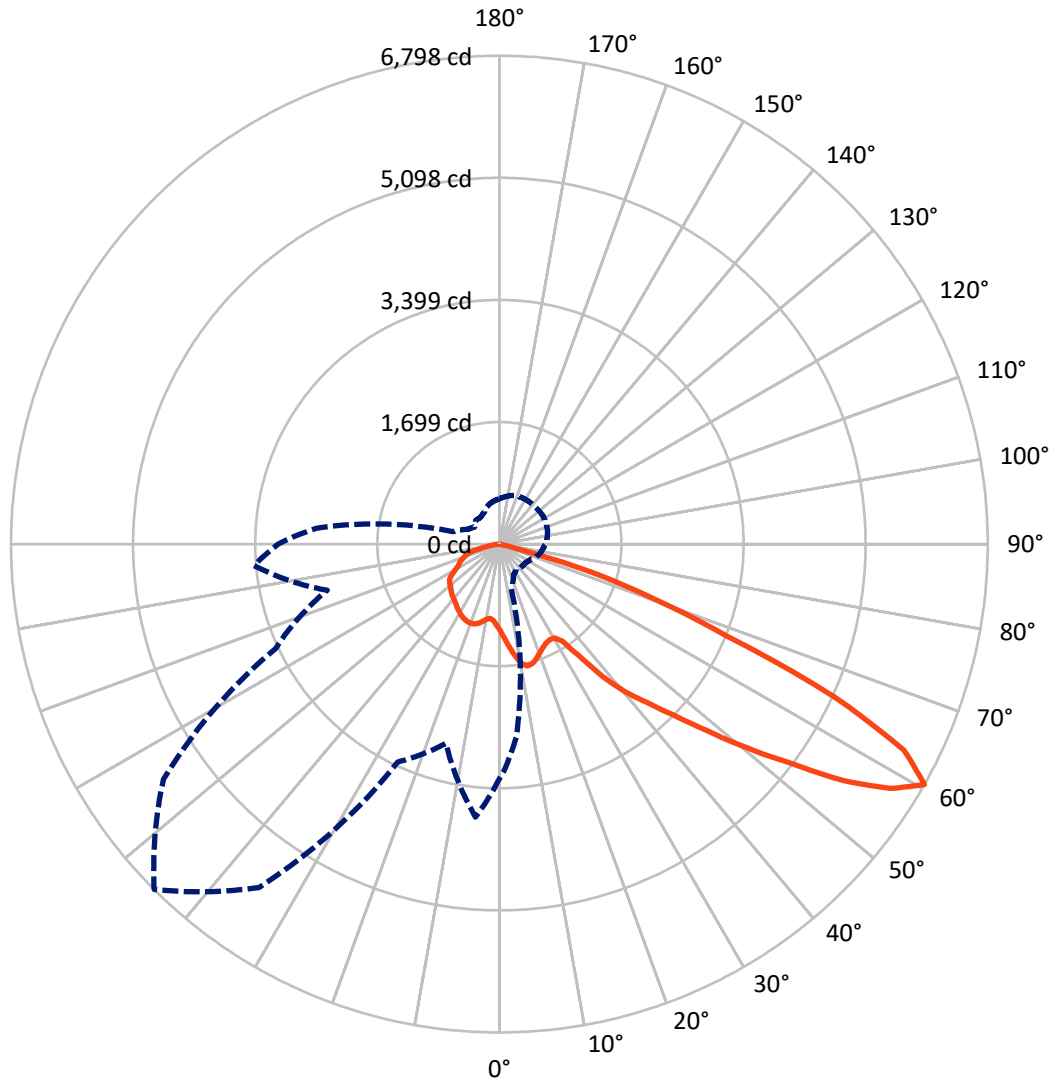
× Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	2035.7	0.0	2035.7
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	3915.0	0.0	3915.0
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	5950.7	0.0	5950.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.3	2.0
10°-20°	376.1	6.3
20°-30°	612.5	10.3
30°-40°	860.5	14.5
40°-50°	1177.5	19.8
50°-60°	1510.6	25.4
60°-70°	1017.2	17.1
70°-80°	254.3	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°	5950.7	100.0
0°-180°	5950.7	100.0

**Coefficient of Utilization**



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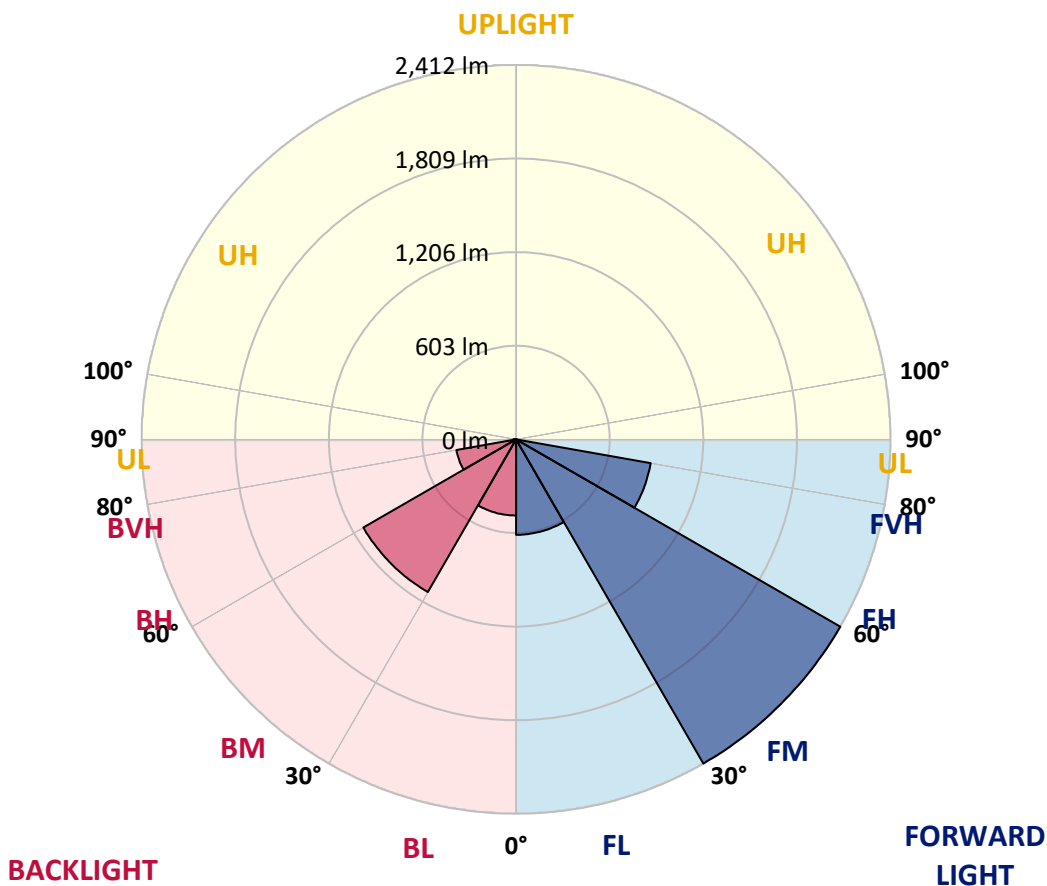
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	615.2	10.3			
FM (30°-60°)	2412.5	40.5			
FH (60°-80°)	881.0	14.8			G1/1800
FVH (80°-90°)	6.4	0.1			G0/10
BL (0°-30°)	490.7	8.2	B1/500		
BM (30°-60°)	1136.1	19.1	B2/2500		
BH (60°-80°)	390.5	6.6	B1/500		G1/500
BVH (80°-90°)	18.3	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°	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2
2.5°	1269.8	1267.1	1264.3	1242.9	1237.5	1222.1	1211.2	1197.5	1177.7	1166.8	1157.4
5°	1349.3	1344.9	1330.1	1286.2	1257.7	1226.5	1200.7	1172.2	1142.1	1122.4	1107.0
7.5°	1424.3	1423.2	1398.0	1325.7	1279.7	1234.7	1199.6	1158.0	1114.7	1085.1	1065.4
10°	1493.9	1485.7	1455.6	1361.3	1301.0	1249.5	1211.7	1165.7	1115.2	1075.2	1048.9
12.5°	1555.3	1544.9	1503.3	1394.2	1319.7	1256.1	1215.0	1177.2	1143.7	1110.3	1080.2
15°	1605.7	1593.1	1550.9	1424.9	1336.1	1252.3	1194.7	1165.1	1176.6	1191.4	1158.0
17.5°	1652.9	1639.7	1588.2	1447.4	1341.0	1228.7	1144.8	1132.2	1190.3	1257.7	1242.4
20°	1692.3	1677.5	1617.8	1458.3	1332.3	1183.8	1080.2	1102.1	1178.8	1259.4	1284.0
22.5°	1735.1	1723.0	1651.2	1474.2	1321.3	1121.8	1025.9	1079.6	1159.1	1229.8	1267.1
25°	1803.6	1788.8	1703.3	1502.2	1315.8	1063.7	987.0	1057.7	1131.7	1195.8	1224.9
27.5°	1902.8	1875.4	1774.5	1550.9	1321.9	1008.9	962.3	1030.9	1099.9	1154.7	1178.3
30°	2010.7	1977.9	1853.4	1601.4	1330.6	975.5	949.2	1000.2	1051.1	1105.9	1131.7
32.5°	2138.4	2109.4	1937.8	1639.2	1312.0	960.2	939.3	966.7	1007.3	1051.1	1072.5
35°	2290.8	2238.7	2029.9	1669.9	1251.7	937.7	930.6	930.0	951.4	994.1	1018.2
37.5°	2454.6	2398.7	2143.4	1702.7	1158.0	902.1	909.7	886.7	906.4	940.4	967.8
40°	2588.9	2530.3	2257.9	1747.7	1040.7	846.2	863.7	839.0	851.1	886.2	916.9
42.5°	2720.4	2658.0	2364.8	1798.6	927.3	791.4	800.1	790.8	794.6	831.4	874.1
45°	2893.1	2822.9	2496.3	1834.8	825.3	748.1	739.8	724.0	744.2	791.9	837.4
47.5°	3181.3	3097.5	2711.7	1858.4	751.4	723.4	685.6	676.3	701.5	754.6	801.8
50°	3518.4	3446.0	3055.8	1857.3	696.0	702.6	633.0	624.8	666.4	720.1	770.0
52.5°	3794.6	3721.1	3350.1	1802.5	650.5	658.2	602.3	579.3	636.3	686.1	736.0
55°	4017.6	3934.9	3485.5	1573.4	593.0	587.5	568.9	526.7	598.5	652.2	698.7
57.5°	3897.6	3799.0	3321.6	1196.4	533.8	499.3	511.3	480.1	546.9	614.3	659.3
60°	3267.9	3179.1	2698.5	636.8	469.7	417.1	442.3	447.2	490.5	568.9	614.9
62.5°	2244.7	2180.1	1828.8	386.4	370.5	334.8	374.3	409.9	442.3	508.6	548.6
65°	1098.3	1079.1	914.7	247.7	259.2	270.7	310.2	353.5	401.2	459.3	501.5
67.5°	302.5	304.7	277.3	193.5	204.4	236.2	267.4	302.0	349.6	403.4	446.1
70°	133.2	135.4	139.7	149.1	169.9	198.9	231.3	266.9	310.7	355.7	396.8
72.5°	92.6	94.8	101.4	113.4	132.1	159.5	190.2	224.1	269.6	307.4	341.4
75°	57.0	58.6	64.7	75.1	87.7	108.5	138.7	169.9	209.9	244.4	274.6
77.5°	30.1	29.0	32.9	40.0	51.0	61.9	82.2	101.9	130.4	158.4	183.6
80°	16.4	15.9	18.1	21.9	25.2	34.0	47.7	60.8	77.3	93.2	106.9
82.5°	7.1	6.6	7.1	9.3	11.5	16.4	24.1	33.4	42.7	53.7	62.5
85°	0.0	0.0	0.0	0.5	2.7	4.4	8.2	12.1	17.5	24.1	29.6
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°	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2
2.5°	1152.0	1138.3	1137.2	1126.2	1127.3	1127.9	1116.9	1112.5	1116.3	1120.7	1118.5
5°	1101.5	1087.3	1081.3	1070.9	1069.8	1064.8	1060.4	1055.0	1058.8	1062.6	1064.8
7.5°	1057.7	1048.4	1044.6	1041.8	1042.9	1040.7	1031.9	1027.0	1026.5	1028.1	1030.3
10°	1043.5	1035.8	1040.7	1048.4	1053.9	1057.7	1048.4	1040.2	1032.5	1029.2	1029.2
12.5°	1074.1	1064.3	1074.1	1082.4	1093.3	1096.1	1085.7	1076.9	1074.1	1077.4	1084.0
15°	1142.1	1119.1	1118.5	1123.5	1132.2	1136.6	1126.8	1122.4	1122.4	1143.2	1159.6
17.5°	1210.1	1172.2	1156.4	1153.6	1159.1	1160.7	1152.5	1148.7	1158.5	1199.1	1229.8
20°	1257.7	1211.7	1177.2	1170.6	1172.2	1172.8	1166.2	1163.5	1177.7	1227.0	1252.8
22.5°	1252.8	1218.8	1176.6	1168.4	1171.1	1170.1	1164.0	1162.9	1174.4	1217.2	1229.2
25°	1218.8	1192.5	1156.9	1151.4	1155.8	1155.3	1149.2	1146.5	1151.4	1179.9	1181.0
27.5°	1179.9	1156.9	1126.2	1124.6	1131.7	1135.5	1125.1	1116.9	1115.2	1134.4	1130.0
30°	1133.3	1116.3	1091.7	1092.8	1105.9	1108.1	1095.5	1083.5	1080.2	1090.6	1084.6
32.5°	1078.0	1072.5	1059.3	1062.1	1074.7	1079.1	1065.9	1053.3	1049.5	1052.8	1040.2
35°	1030.9	1028.7	1029.8	1034.7	1045.6	1048.9	1038.0	1028.1	1022.6	1011.1	994.7
37.5°	982.1	988.1	1004.0	1013.3	1019.3	1018.2	1012.2	1005.1	996.3	975.0	954.7
40°	936.6	951.9	980.4	990.8	993.0	993.6	989.2	983.2	972.2	943.7	920.7
42.5°	901.5	918.5	956.3	972.2	973.3	974.4	970.0	965.1	949.7	911.9	889.5
45°	864.8	887.3	931.7	950.8	949.7	949.2	945.4	943.2	925.1	881.2	856.6
47.5°	833.6	859.9	907.5	924.0	923.4	922.9	920.1	920.1	902.1	854.4	826.4
50°	802.9	833.0	882.9	896.6	897.7	896.6	895.5	897.1	875.8	824.8	797.4
52.5°	769.4	803.4	855.5	868.1	874.7	877.4	877.4	873.6	848.4	795.2	765.1
55°	732.7	765.1	825.3	842.3	847.8	852.7	852.7	845.1	821.5	767.8	735.5
57.5°	687.2	715.7	763.4	780.4	793.6	796.8	796.8	784.2	765.1	713.5	687.2
60°	637.9	662.6	694.9	713.0	722.9	716.3	721.2	717.9	702.6	654.9	633.0
62.5°	572.1	597.4	633.0	651.6	656.0	649.4	656.0	655.4	634.6	591.9	565.6
65°	525.0	549.7	584.8	608.9	616.0	614.3	618.7	612.2	586.4	545.8	520.6
67.5°	469.1	495.4	536.0	562.8	577.6	579.3	585.3	571.6	545.3	500.9	469.1
70°	416.0	438.4	469.7	494.9	515.7	526.1	527.2	507.5	474.6	437.9	414.9
72.5°	360.1	383.1	420.9	448.3	474.6	486.7	486.7	462.5	426.9	386.4	361.7
75°	292.1	313.5	348.0	377.6	407.7	423.1	422.5	401.7	362.3	323.9	298.1
77.5°	197.8	213.7	235.7	258.1	262.5	274.6	280.6	254.3	232.4	211.5	188.5
80°	115.1	125.0	137.0	149.6	152.4	156.2	146.3	136.5	125.0	111.3	100.8
82.5°	67.4	74.0	80.0	89.9	91.5	92.6	83.8	79.5	70.1	61.9	55.4
85°	32.9	35.1	40.6	45.5	43.3	42.2	38.4	34.0	30.1	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°	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2
2.5°	1125.7	1135.0	1146.5	1161.8	1179.4	1198.0	1216.1	1229.8	1243.5	1263.8	1260.5
5°	1068.1	1084.0	1102.1	1125.7	1154.2	1186.5	1222.7	1258.8	1297.7	1330.6	1344.9
7.5°	1034.7	1052.2	1073.6	1104.3	1141.0	1180.5	1231.4	1290.1	1353.1	1396.4	1423.2
10°	1034.7	1057.2	1085.1	1114.7	1147.0	1187.6	1250.6	1324.0	1405.2	1462.2	1493.4
12.5°	1094.4	1116.9	1122.9	1121.8	1139.9	1184.8	1266.0	1359.7	1456.7	1517.0	1555.3
15°	1187.6	1195.3	1149.8	1108.1	1110.9	1165.1	1273.1	1388.2	1501.1	1573.4	1615.1
17.5°	1250.1	1229.8	1148.7	1075.8	1060.4	1131.7	1273.1	1415.6	1548.2	1629.9	1668.8
20°	1255.0	1204.6	1120.7	1044.6	1005.1	1087.3	1264.3	1436.4	1593.7	1684.1	1725.8
22.5°	1211.7	1161.8	1091.1	1017.7	959.6	1033.6	1250.1	1452.3	1632.6	1735.1	1786.6
25°	1162.4	1120.7	1061.0	990.3	928.4	979.3	1236.9	1479.1	1686.8	1804.1	1856.2
27.5°	1114.2	1079.1	1024.8	967.3	910.8	932.2	1228.7	1518.6	1751.5	1902.2	1947.2
30°	1067.0	1035.2	985.9	945.4	901.5	901.5	1221.6	1564.1	1837.0	2012.4	2057.3
32.5°	1019.3	989.2	949.2	924.0	896.0	889.5	1201.8	1606.8	1925.2	2132.9	2179.0
35°	975.0	944.8	914.1	903.7	893.3	880.1	1153.1	1640.3	2011.3	2273.8	2313.2
37.5°	933.3	904.3	881.2	878.5	879.6	854.9	1076.3	1668.2	2118.7	2417.9	2438.7
40°	897.1	864.8	846.7	846.2	851.6	814.4	979.3	1708.2	2241.5	2540.1	2531.4
42.5°	864.8	830.8	808.9	813.8	810.5	773.8	884.5	1744.9	2348.3	2654.7	2637.1
45°	833.0	800.1	769.4	776.6	772.7	748.6	804.0	1771.8	2466.7	2792.2	2794.4
47.5°	802.3	770.0	739.3	730.5	730.0	740.9	742.0	1780.6	2659.6	3013.6	2963.8
50°	773.8	741.5	709.7	680.1	691.6	725.6	696.0	1774.0	2948.4	3258.1	3118.9
52.5°	744.2	713.5	678.5	625.3	655.4	688.9	654.9	1750.4	3124.9	3474.0	3390.7
55°	710.3	681.2	633.5	568.9	605.6	612.7	612.7	1522.4	3200.0	3687.7	3739.2
57.5°	664.8	626.4	550.8	498.7	531.6	504.2	567.8	1065.4	3076.1	3620.3	3820.3
60°	613.2	572.1	492.1	454.9	464.7	416.5	483.9	668.1	2549.5	3080.5	3426.9
62.5°	545.3	507.5	441.2	412.1	391.8	339.8	389.7	422.5	1747.7	2287.5	2523.7
65°	499.8	458.2	399.0	360.6	319.0	273.5	258.7	277.3	939.9	1280.2	1439.7
67.5°	446.1	405.0	349.1	300.9	267.4	234.6	208.8	202.2	322.2	426.4	461.4
70°	395.1	355.7	309.1	264.2	230.7	198.4	173.2	155.1	149.1	148.0	145.8
72.5°	343.1	306.4	267.4	225.8	189.1	159.5	137.0	116.2	107.4	104.7	101.9
75°	281.1	252.1	213.2	168.2	138.7	111.3	93.7	80.0	72.3	69.6	66.3
77.5°	180.9	167.7	133.7	108.5	83.8	66.3	57.0	48.2	43.3	42.2	39.5
80°	96.5	89.9	74.0	62.5	49.9	40.6	35.6	30.7	27.9	26.9	25.8
82.5°	53.7	48.8	41.1	36.2	29.0	24.7	21.9	19.7	18.1	17.5	17.0
85°	24.1	20.8	16.4	15.3	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-SA1E-760-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2	1200.2
2.5°	1280.8	1297.2	1298.8	1304.3	1297.2	1295.6	1284.0	1277.5	1271.4	1269.8
5°	1380.5	1413.4	1426.5	1435.8	1427.1	1422.7	1397.5	1371.2	1356.4	1349.3
7.5°	1483.0	1532.3	1558.1	1569.6	1570.7	1550.9	1507.6	1458.3	1433.7	1424.3
10°	1574.5	1635.3	1669.3	1691.2	1683.6	1659.4	1600.3	1533.4	1502.2	1493.9
12.5°	1642.5	1700.5	1726.9	1741.1	1740.6	1727.4	1671.5	1599.2	1563.5	1555.3
15°	1686.3	1720.8	1722.5	1725.8	1735.1	1752.6	1723.6	1656.7	1617.2	1605.7
17.5°	1720.8	1707.1	1681.4	1672.6	1693.4	1742.2	1759.7	1705.5	1662.7	1652.9
20°	1742.7	1673.7	1628.2	1611.2	1635.3	1714.8	1781.7	1749.3	1704.9	1692.3
22.5°	1759.7	1642.5	1569.0	1557.5	1582.7	1685.2	1804.1	1801.4	1752.6	1735.1
25°	1786.6	1621.6	1527.4	1519.1	1542.7	1671.0	1834.3	1872.1	1828.8	1803.6
27.5°	1828.8	1619.4	1506.0	1503.3	1535.6	1683.6	1877.6	1975.7	1921.4	1902.8
30°	1887.4	1640.3	1510.9	1516.4	1555.9	1729.0	1945.0	2094.0	2039.8	2010.7
32.5°	1971.8	1696.2	1586.0	1609.6	1638.6	1801.9	2043.6	2222.3	2181.2	2138.4
35°	2083.1	1849.6	1808.0	1908.3	1880.9	1961.4	2162.5	2377.9	2328.0	2290.8
37.5°	2231.6	2164.2	2202.5	2340.7	2274.3	2262.8	2307.8	2519.3	2491.9	2454.6
40°	2439.8	2453.5	2524.2	2705.6	2609.7	2535.8	2485.9	2625.6	2634.9	2588.9
42.5°	2577.9	2641.0	2811.4	3017.5	2885.4	2708.4	2634.9	2761.5	2762.1	2720.4
45°	2629.5	2794.4	3150.6	3387.9	3167.1	2807.0	2717.1	2946.2	2940.7	2893.1
47.5°	2610.8	2923.8	3503.0	3865.8	3528.8	2877.2	2705.6	3209.3	3253.7	3181.3
50°	2571.9	3053.6	3914.6	4451.1	3972.7	2951.7	2688.1	3500.8	3574.3	3518.4
52.5°	2611.4	3198.3	4401.3	5056.2	4529.5	3070.6	2806.5	3875.1	3862.0	3794.6
55°	2736.3	3369.3	4992.6	5816.3	5141.1	3271.8	3110.6	4231.9	4098.2	4017.6
57.5°	2730.3	3491.5	5511.0	6417.5	5673.2	3436.7	3216.4	4269.7	3999.5	3897.6
60°	2478.2	3435.6	5708.3	6797.8	5833.8	3345.7	2868.4	3813.8	3374.8	3267.9
62.5°	1849.6	3048.7	5325.8	6321.6	5379.5	2889.8	2157.1	2737.4	2425.0	2244.7
65°	1183.2	2385.0	4477.4	5121.4	4434.1	2210.2	1284.6	1467.6	1149.8	1098.3
67.5°	503.6	1683.6	3480.6	3423.0	3317.2	1432.0	496.0	413.2	308.0	302.5
70°	166.6	1145.4	2145.6	2283.1	1981.1	986.5	163.9	138.7	138.1	133.2
72.5°	109.1	614.9	1207.9	1344.9	1274.7	567.8	99.2	92.6	94.8	92.6
75°	65.2	133.7	203.3	264.2	203.3	95.4	59.7	58.6	59.7	57.0
77.5°	38.4	37.3	36.2	36.2	35.6	32.9	30.1	29.0	29.6	30.1
80°	24.7	23.6	22.5	21.9	19.2	18.1	17.0	15.9	15.9	16.4
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)