

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: P630835

Luminaire Tested: GWS-SA1E-740-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630835  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

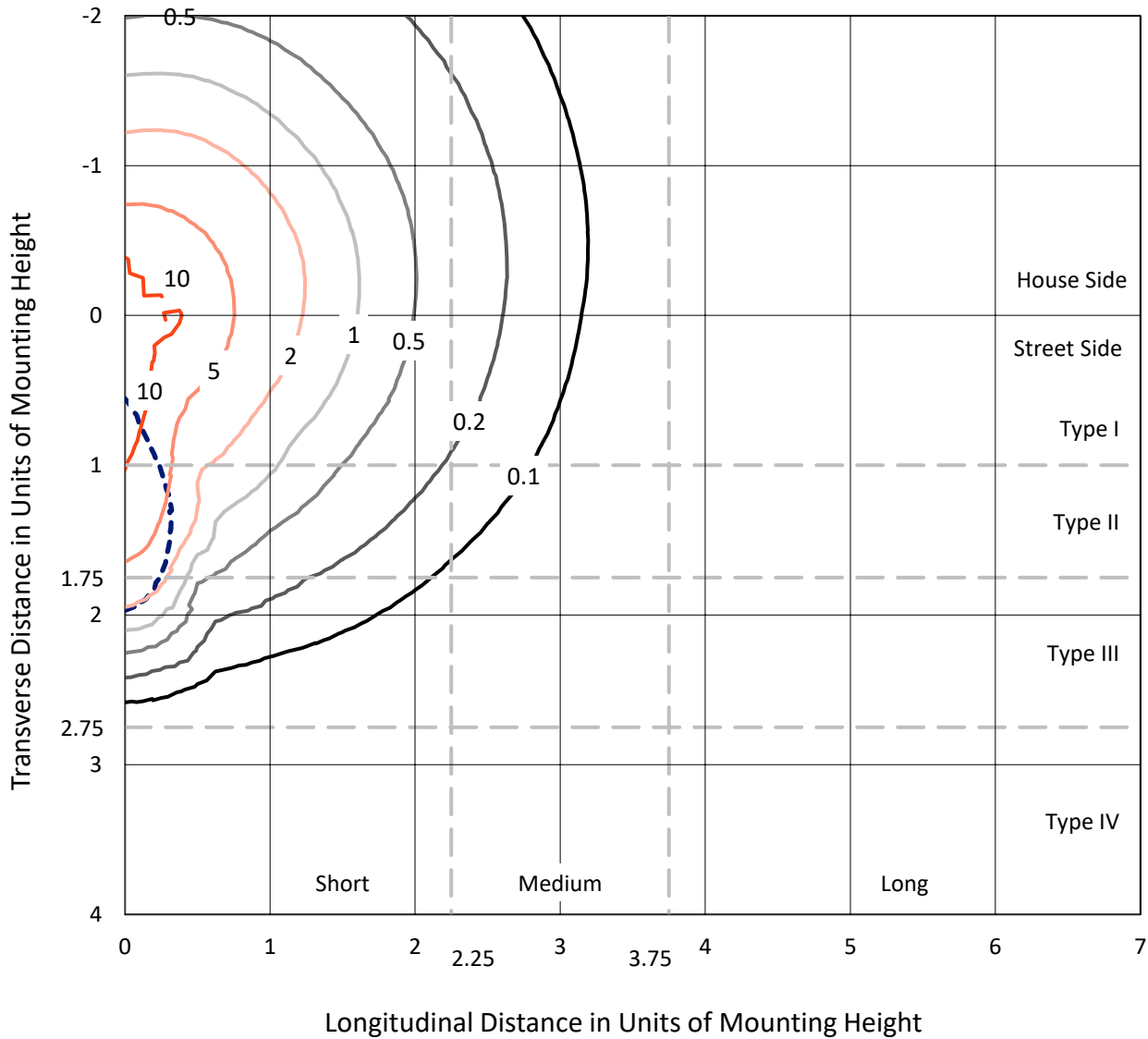
Lumens per Lamp: N/A  
Luminaire Lumens: 5898.2 lumens  
Efficiency: N/A  
Efficacy: 101.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

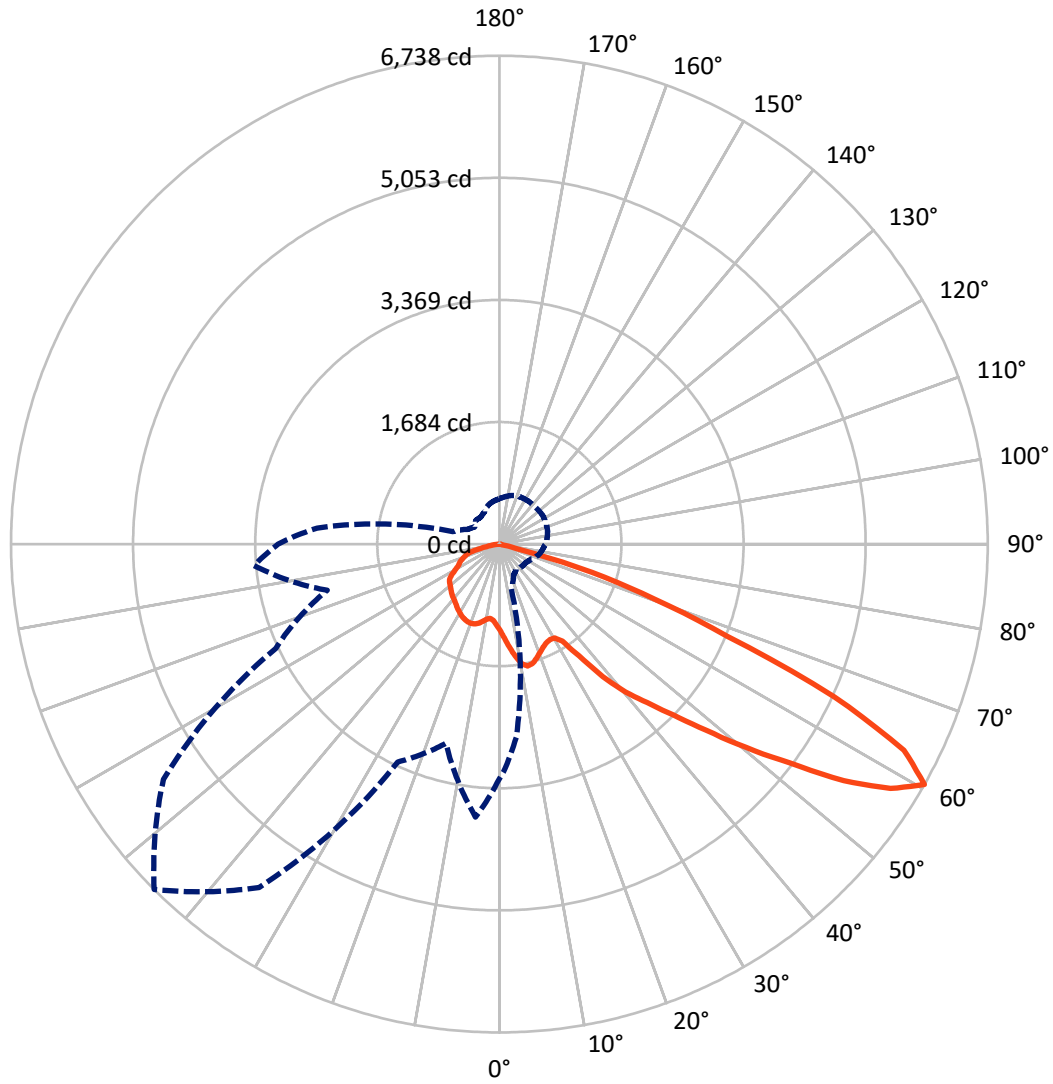
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.4 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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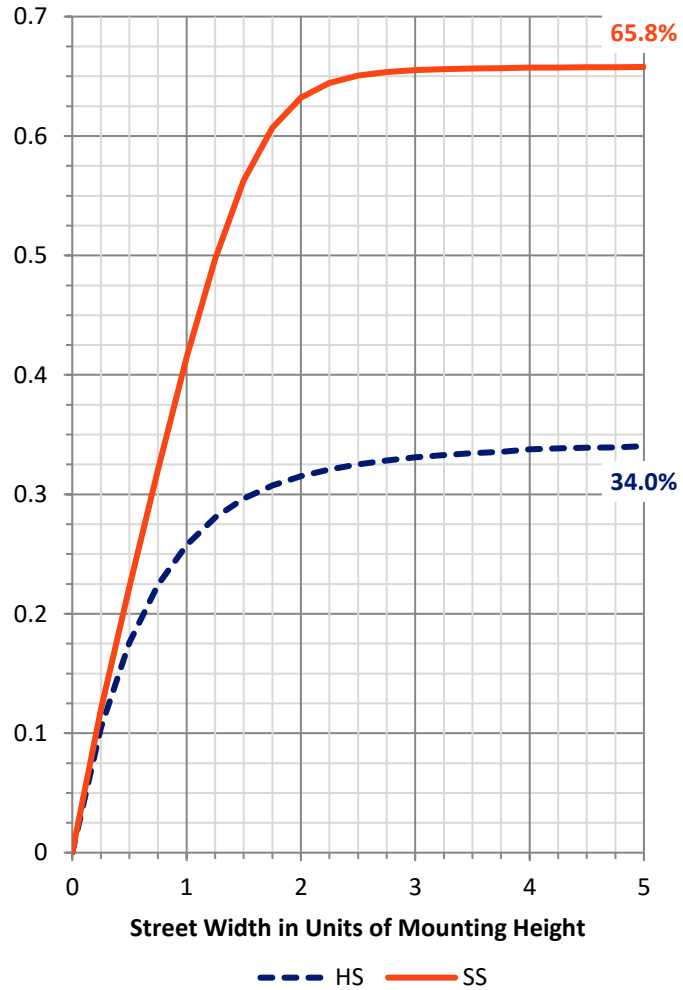
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2017.7	0.0	2017.7
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	3880.5	0.0	3880.5
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	5898.2	0.0	5898.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.2	2.0
10°-20°	372.8	6.3
20°-30°	607.1	10.3
30°-40°	852.9	14.5
40°-50°	1167.1	19.8
50°-60°	1497.3	25.4
60°-70°	1008.2	17.1
70°-80°	252.1	4.3
80°-90°	24.6	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°	5898.2	100.0
0°-180°	5898.2	100.0

**Coefficient of Utilization**



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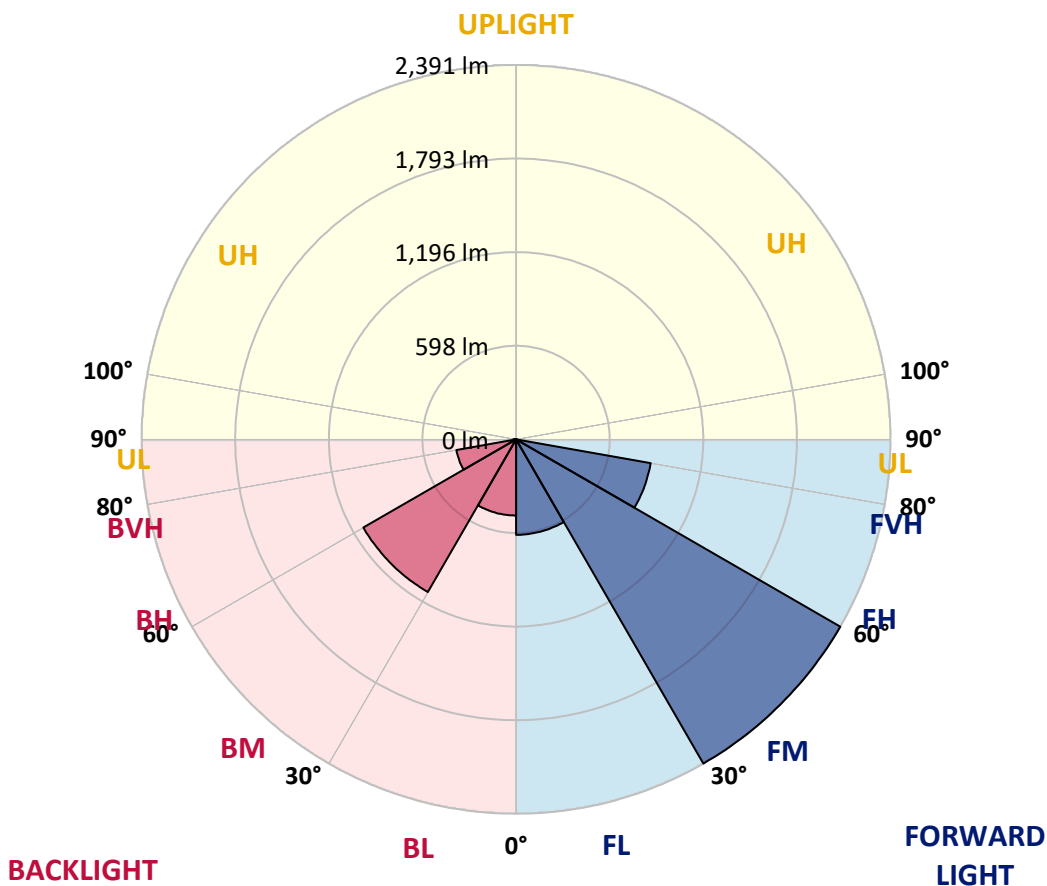
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	609.7	10.3			
FM (30°-60°)	2391.2	40.5			
FH (60°-80°)	873.2	14.8			G1/1800
FVH (80°-90°)	6.4	0.1			G0/10
BL (0°-30°)	486.4	8.2	B1/500		
BM (30°-60°)	1126.0	19.1	B2/2500		
BH (60°-80°)	387.1	6.6	B1/500		G1/500
BVH (80°-90°)	18.2	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°	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6
2.5°	1258.6	1255.9	1253.2	1232.0	1226.5	1211.3	1200.5	1186.9	1167.3	1156.5	1147.2
5°	1337.4	1333.0	1318.3	1274.9	1246.6	1215.7	1190.1	1161.9	1132.0	1112.5	1097.3
7.5°	1411.8	1410.7	1385.7	1314.0	1268.4	1223.8	1189.1	1147.8	1104.9	1075.5	1056.0
10°	1480.8	1472.6	1442.7	1349.3	1289.6	1238.5	1201.0	1155.4	1105.4	1065.8	1039.7
12.5°	1541.6	1531.3	1490.0	1381.9	1308.0	1245.0	1204.3	1166.8	1133.7	1100.5	1070.6
15°	1591.6	1579.1	1537.3	1412.3	1324.3	1241.2	1184.2	1154.8	1166.2	1180.9	1147.8
17.5°	1638.3	1625.2	1574.2	1434.6	1329.2	1217.9	1134.7	1122.2	1179.8	1246.6	1231.4
20°	1677.4	1662.7	1603.5	1445.5	1320.5	1173.3	1070.6	1092.4	1168.4	1248.3	1272.7
22.5°	1719.8	1707.8	1636.7	1461.2	1309.7	1111.9	1016.9	1070.1	1148.9	1218.9	1255.9
25°	1787.7	1773.0	1688.3	1488.9	1304.2	1054.3	978.3	1048.4	1121.7	1185.3	1214.0
27.5°	1886.0	1858.8	1758.9	1537.3	1310.2	1000.0	953.9	1021.8	1090.2	1144.5	1167.9
30°	1993.0	1960.4	1837.1	1587.2	1318.9	966.9	940.8	991.3	1041.9	1096.2	1121.7
32.5°	2119.6	2090.8	1920.7	1624.7	1300.4	951.7	931.0	958.2	998.4	1041.9	1063.0
35°	2270.6	2219.0	2012.0	1655.1	1240.7	929.4	922.4	921.8	943.0	985.4	1009.3
37.5°	2433.0	2377.6	2124.4	1687.7	1147.8	894.1	901.7	878.9	898.4	932.1	959.3
40°	2566.1	2507.9	2238.0	1732.3	1031.5	838.7	856.1	831.6	843.6	878.4	908.8
42.5°	2696.4	2634.5	2343.9	1782.8	919.1	784.4	793.1	783.8	787.6	824.0	866.4
45°	2867.5	2798.0	2474.3	1818.6	818.1	741.5	733.3	717.6	737.7	784.9	830.0
47.5°	3153.3	3070.2	2687.7	1842.0	744.7	717.0	679.5	670.3	695.3	748.0	794.7
50°	3487.3	3415.6	3028.9	1840.9	689.9	696.4	627.4	619.2	660.5	713.8	763.2
52.5°	3761.1	3688.3	3320.6	1786.6	644.8	652.4	597.0	574.2	630.7	680.1	729.5
55°	3982.2	3900.2	3454.7	1559.5	587.7	582.3	563.8	522.0	593.2	646.4	692.6
57.5°	3863.2	3765.5	3292.3	1185.8	529.1	494.9	506.8	475.8	542.1	608.9	653.5
60°	3239.1	3151.1	2674.7	631.2	465.5	413.4	438.4	443.2	486.2	563.8	609.5
62.5°	2224.9	2160.8	1812.7	383.0	367.2	331.9	371.0	406.3	438.4	504.1	543.7
65°	1088.6	1069.6	906.6	245.5	256.9	268.3	307.5	350.4	397.6	455.2	497.0
67.5°	299.8	302.0	274.9	191.7	202.6	234.1	265.1	299.3	346.6	399.8	442.2
70°	132.0	134.2	138.5	147.7	168.4	197.2	229.2	264.5	308.0	352.5	393.3
72.5°	91.8	94.0	100.5	112.4	130.9	158.1	188.5	222.2	267.3	304.7	338.4
75°	56.5	58.1	64.1	74.4	86.9	107.6	137.4	168.4	208.0	242.3	272.1
77.5°	29.9	28.8	32.6	39.7	50.5	61.4	81.5	101.0	129.3	157.0	182.0
80°	16.3	15.8	17.9	21.7	25.0	33.7	47.3	60.3	76.6	92.3	105.9
82.5°	7.1	6.5	7.1	9.2	11.4	16.3	23.9	33.1	42.4	53.2	61.9
85°	0.0	0.0	0.0	0.5	2.7	4.3	8.1	12.0	17.4	23.9	29.3
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°	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6
2.5°	1141.8	1128.2	1127.1	1116.3	1117.4	1117.9	1107.0	1102.7	1106.5	1110.8	1108.7
5°	1091.8	1077.7	1071.7	1061.4	1060.3	1055.4	1051.1	1045.7	1049.5	1053.3	1055.4
7.5°	1048.4	1039.1	1035.3	1032.6	1033.7	1031.5	1022.8	1018.0	1017.4	1019.0	1021.2
10°	1034.2	1026.6	1031.5	1039.1	1044.6	1048.4	1039.1	1031.0	1023.4	1020.1	1020.1
12.5°	1064.7	1054.9	1064.7	1072.8	1083.7	1086.4	1076.1	1067.4	1064.7	1067.9	1074.4
15°	1132.0	1109.2	1108.7	1113.6	1122.2	1126.6	1116.8	1112.5	1112.5	1133.1	1149.4
17.5°	1199.4	1161.9	1146.1	1143.4	1148.9	1150.5	1142.3	1138.5	1148.3	1188.5	1218.9
20°	1246.6	1201.0	1166.8	1160.3	1161.9	1162.4	1155.9	1153.2	1167.3	1216.2	1241.8
22.5°	1241.8	1208.1	1166.2	1158.1	1160.8	1159.7	1153.8	1152.7	1164.1	1206.4	1218.4
25°	1208.1	1182.0	1146.7	1141.3	1145.6	1145.1	1139.1	1136.4	1141.3	1169.5	1170.6
27.5°	1169.5	1146.7	1116.3	1114.6	1121.7	1125.5	1115.2	1107.0	1105.4	1124.4	1120.1
30°	1123.3	1106.5	1082.1	1083.1	1096.2	1098.3	1085.9	1073.9	1070.6	1081.0	1075.0
32.5°	1068.5	1063.0	1050.0	1052.7	1065.2	1069.6	1056.5	1044.0	1040.2	1043.5	1031.0
35°	1021.8	1019.6	1020.7	1025.6	1036.4	1039.7	1028.8	1019.0	1013.6	1002.2	985.9
37.5°	973.4	979.4	995.1	1004.4	1010.3	1009.3	1003.3	996.2	987.5	966.3	946.3
40°	928.3	943.5	971.8	982.1	984.3	984.8	980.5	974.5	963.6	935.4	912.6
42.5°	893.6	910.4	947.9	963.6	964.7	965.8	961.5	956.6	941.4	903.9	881.6
45°	857.2	879.4	923.4	942.4	941.4	940.8	937.0	934.8	916.9	873.5	849.0
47.5°	826.2	852.3	899.5	915.8	915.3	914.7	912.0	912.0	894.1	846.8	819.1
50°	795.8	825.7	875.1	888.7	889.8	888.7	887.6	889.2	868.0	817.5	790.4
52.5°	762.7	796.3	847.9	860.4	866.9	869.7	869.7	865.9	840.9	788.2	758.3
55°	726.3	758.3	818.1	834.9	840.3	845.2	845.2	837.6	814.3	761.0	729.0
57.5°	681.2	709.4	756.7	773.5	786.6	789.8	789.8	777.3	758.3	707.2	681.2
60°	632.3	656.7	688.8	706.7	716.5	710.0	714.8	711.6	696.4	649.1	627.4
62.5°	567.1	592.1	627.4	645.9	650.2	643.7	650.2	649.7	629.0	586.7	560.6
65°	520.4	544.8	579.6	603.5	610.6	608.9	613.3	606.8	581.2	541.0	516.0
67.5°	465.0	491.1	531.2	557.9	572.5	574.2	580.1	566.6	540.5	496.5	465.0
70°	412.3	434.6	465.5	490.5	511.1	521.5	522.6	503.0	470.4	434.0	411.2
72.5°	356.9	379.7	417.2	444.3	470.4	482.4	482.4	458.5	423.2	383.0	358.5
75°	289.5	310.7	344.9	374.3	404.1	419.3	418.8	398.2	359.1	321.0	295.5
77.5°	196.1	211.8	233.6	255.8	260.2	272.1	278.1	252.0	230.3	209.7	186.9
80°	114.1	123.8	135.8	148.3	151.0	154.8	145.0	135.3	123.8	110.3	99.9
82.5°	66.8	73.3	79.3	89.1	90.7	91.8	83.1	78.8	69.5	61.4	54.9
85°	32.6	34.8	40.2	45.1	42.9	41.8	38.0	33.7	29.9	26.6	23.4
87.5°	6.5	6.5	9.8	9.2	7.6	6.5	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°	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6
2.5°	1115.7	1125.0	1136.4	1151.6	1169.0	1187.4	1205.4	1218.9	1232.5	1252.6	1249.4
5°	1058.7	1074.4	1092.4	1115.7	1144.0	1176.0	1211.9	1247.7	1286.3	1318.9	1333.0
7.5°	1025.6	1042.9	1064.1	1094.5	1130.9	1170.0	1220.6	1278.7	1341.2	1384.1	1410.7
10°	1025.6	1047.8	1075.5	1104.9	1136.9	1177.1	1239.6	1312.4	1392.8	1449.3	1480.2
12.5°	1084.8	1107.0	1113.0	1111.9	1129.9	1174.4	1254.8	1347.7	1443.8	1503.6	1541.6
15°	1177.1	1184.7	1139.6	1098.3	1101.1	1154.8	1261.8	1375.9	1487.8	1559.5	1600.8
17.5°	1239.0	1218.9	1138.5	1066.3	1051.1	1121.7	1261.8	1403.1	1534.5	1615.5	1654.0
20°	1243.9	1193.9	1110.8	1035.3	996.2	1077.7	1253.2	1423.7	1579.6	1669.2	1710.5
22.5°	1201.0	1151.6	1081.5	1008.7	951.1	1024.5	1239.0	1439.5	1618.2	1719.8	1770.8
25°	1152.1	1110.8	1051.6	981.6	920.2	970.7	1226.0	1466.1	1672.0	1788.2	1839.8
27.5°	1104.3	1069.6	1015.8	958.7	902.8	924.0	1217.9	1505.2	1736.1	1885.4	1930.0
30°	1057.6	1026.1	977.2	937.0	893.6	893.6	1210.8	1550.3	1820.8	1994.6	2039.2
32.5°	1010.3	980.5	940.8	915.8	888.1	881.6	1191.2	1592.7	1908.3	2114.1	2159.8
35°	966.3	936.5	906.1	895.7	885.4	872.4	1142.9	1625.8	1993.5	2253.7	2292.8
37.5°	925.1	896.3	873.5	870.7	871.8	847.4	1066.8	1653.5	2100.0	2396.6	2417.2
40°	889.2	857.2	839.2	838.7	844.1	807.2	970.7	1693.1	2221.7	2517.7	2509.0
42.5°	857.2	823.5	801.8	806.6	803.4	767.0	876.7	1729.5	2327.6	2631.3	2613.9
45°	825.7	793.1	762.7	769.7	765.9	742.0	796.9	1756.2	2444.9	2767.6	2769.8
47.5°	795.2	763.2	732.8	724.1	723.5	734.4	735.5	1764.9	2636.1	2987.0	2937.6
50°	767.0	734.9	703.4	674.1	685.5	719.2	689.9	1758.3	2922.4	3229.3	3091.3
52.5°	737.7	707.2	672.5	619.8	649.7	682.8	649.1	1735.0	3097.3	3443.3	3360.8
55°	704.0	675.2	627.9	563.8	600.2	607.3	607.3	1509.0	3171.7	3655.2	3706.2
57.5°	658.9	620.9	545.9	494.3	526.9	499.7	562.8	1056.0	3049.0	3588.4	3786.6
60°	607.8	567.1	487.8	450.9	460.6	412.8	479.6	662.2	2527.0	3053.3	3396.6
62.5°	540.5	503.0	437.3	408.5	388.4	336.8	386.2	418.8	1732.3	2267.3	2501.4
65°	495.4	454.1	395.4	357.4	316.1	271.1	256.4	274.9	931.6	1268.9	1427.0
67.5°	442.2	401.4	346.0	298.2	265.1	232.5	207.0	200.4	319.4	422.6	457.4
70°	391.6	352.5	306.4	261.8	228.7	196.6	171.7	153.7	147.7	146.7	144.5
72.5°	340.0	303.6	265.1	223.8	187.4	158.1	135.8	115.2	106.5	103.8	101.0
75°	278.7	249.9	211.3	166.8	137.4	110.3	92.9	79.3	71.7	69.0	65.7
77.5°	179.3	166.2	132.5	107.6	83.1	65.7	56.5	47.8	42.9	41.8	39.1
80°	95.6	89.1	73.3	61.9	49.4	40.2	35.3	30.4	27.7	26.6	25.5
82.5°	53.2	48.3	40.7	35.9	28.8	24.4	21.7	19.6	17.9	17.4	16.8
85°	23.9	20.6	16.3	15.2	13.6	12.5	12.0	10.9	10.3	9.8	9.2
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



REPORT NUMBER: P630835

CATALOG NUMBER: GWS-SA1E-740-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6	1189.6
2.5°	1269.5	1285.8	1287.4	1292.8	1285.8	1284.1	1272.7	1266.2	1260.2	1258.6
5°	1368.3	1400.9	1413.9	1423.2	1414.5	1410.1	1385.2	1359.1	1344.4	1337.4
7.5°	1469.9	1518.8	1544.3	1555.7	1556.8	1537.3	1494.3	1445.5	1421.0	1411.8
10°	1560.6	1620.9	1654.6	1676.3	1668.7	1644.8	1586.1	1519.9	1488.9	1480.8
12.5°	1628.0	1685.5	1711.6	1725.7	1725.2	1712.2	1656.8	1585.1	1549.7	1541.6
15°	1671.4	1705.6	1707.3	1710.5	1719.8	1737.1	1708.4	1642.1	1603.0	1591.6
17.5°	1705.6	1692.1	1666.5	1657.8	1678.5	1726.8	1744.2	1690.4	1648.1	1638.3
20°	1727.4	1658.9	1613.8	1597.0	1620.9	1699.7	1765.9	1733.9	1689.9	1677.4
22.5°	1744.2	1628.0	1555.2	1543.8	1568.8	1670.3	1788.2	1785.5	1737.1	1719.8
25°	1770.8	1607.3	1513.9	1505.7	1529.1	1656.2	1818.1	1855.6	1812.7	1787.7
27.5°	1812.7	1605.2	1492.7	1490.0	1522.0	1668.7	1861.0	1958.2	1904.5	1886.0
30°	1870.8	1625.8	1497.6	1503.0	1542.1	1713.8	1927.8	2075.6	2021.8	1993.0
32.5°	1954.4	1681.2	1572.0	1595.4	1624.2	1786.0	2025.6	2202.7	2161.9	2119.6
35°	2064.7	1833.3	1792.0	1891.4	1864.3	1944.1	2143.5	2356.9	2307.5	2270.6
37.5°	2211.9	2145.1	2183.1	2320.0	2254.3	2242.9	2287.4	2497.1	2469.9	2433.0
40°	2418.3	2431.9	2502.0	2681.8	2586.7	2513.4	2463.9	2602.5	2611.7	2566.1
42.5°	2555.2	2617.7	2786.6	2990.8	2859.9	2684.5	2611.7	2737.2	2737.7	2696.4
45°	2606.3	2769.8	3122.8	3358.1	3139.1	2782.3	2693.2	2920.2	2914.8	2867.5
47.5°	2587.8	2898.0	3472.1	3831.7	3497.7	2851.8	2681.8	3181.0	3225.0	3153.3
50°	2549.2	3026.7	3880.1	4411.9	3937.6	2925.7	2664.4	3470.0	3542.7	3487.3
52.5°	2588.3	3170.1	4362.4	5011.5	4489.5	3043.5	2781.7	3841.0	3827.9	3761.1
55°	2712.2	3339.6	4948.5	5765.0	5095.7	3242.9	3083.2	4194.6	4062.0	3982.2
57.5°	2706.2	3460.7	5462.4	6360.9	5623.2	3406.4	3188.0	4232.1	3964.3	3863.2
60°	2456.3	3405.3	5658.0	6737.8	5782.3	3316.2	2843.1	3780.1	3345.0	3239.1
62.5°	1833.3	3021.8	5278.8	6265.8	5332.0	2864.3	2138.0	2713.3	2403.7	2224.9
65°	1172.8	2364.0	4437.9	5076.2	4395.0	2190.7	1273.3	1454.7	1139.6	1088.6
67.5°	499.2	1668.7	3449.9	3392.8	3288.0	1419.4	491.6	409.6	305.3	299.8
70°	165.1	1135.3	2126.6	2263.0	1963.7	977.8	162.4	137.4	136.9	132.0
72.5°	108.1	609.5	1197.2	1333.0	1263.5	562.8	98.3	91.8	94.0	91.8
75°	64.6	132.5	201.5	261.8	201.5	94.5	59.2	58.1	59.2	56.5
77.5°	38.0	36.9	35.9	35.9	35.3	32.6	29.9	28.8	29.3	29.9
80°	24.4	23.4	22.3	21.7	19.0	17.9	16.8	15.8	15.8	16.3
82.5°	15.8	14.7	13.6	12.0	9.8	8.1	7.6	6.5	6.5	7.1
85°	8.1	6.5	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)