

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: P635564

Luminaire Tested: GWS-SA3E-722-U-SLL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635564  
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-SA3E-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**

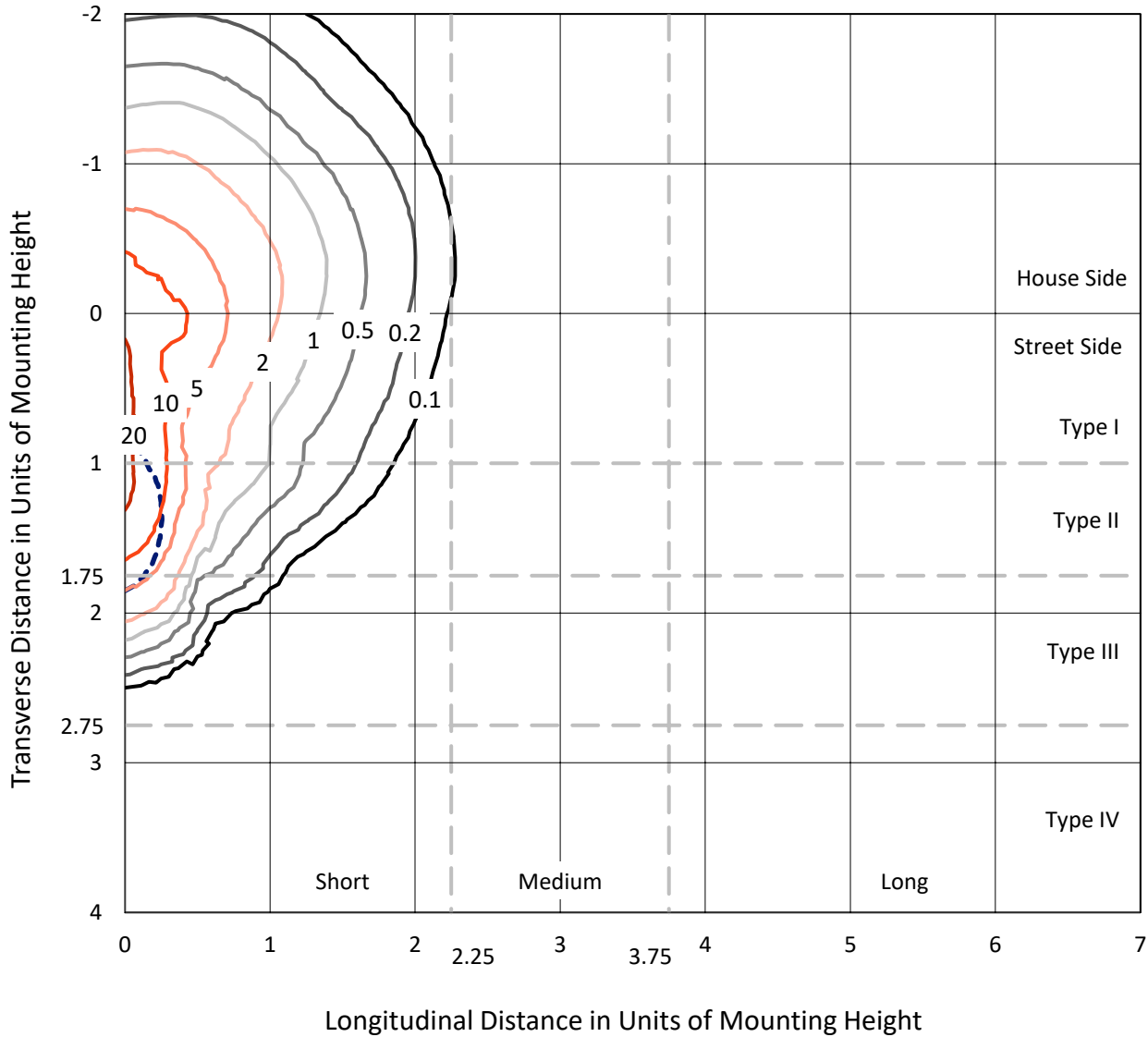
Lumens per Lamp: N/A  
Luminaire Lumens: 8686.2 lumens  
Efficiency: N/A  
Efficacy: 54.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

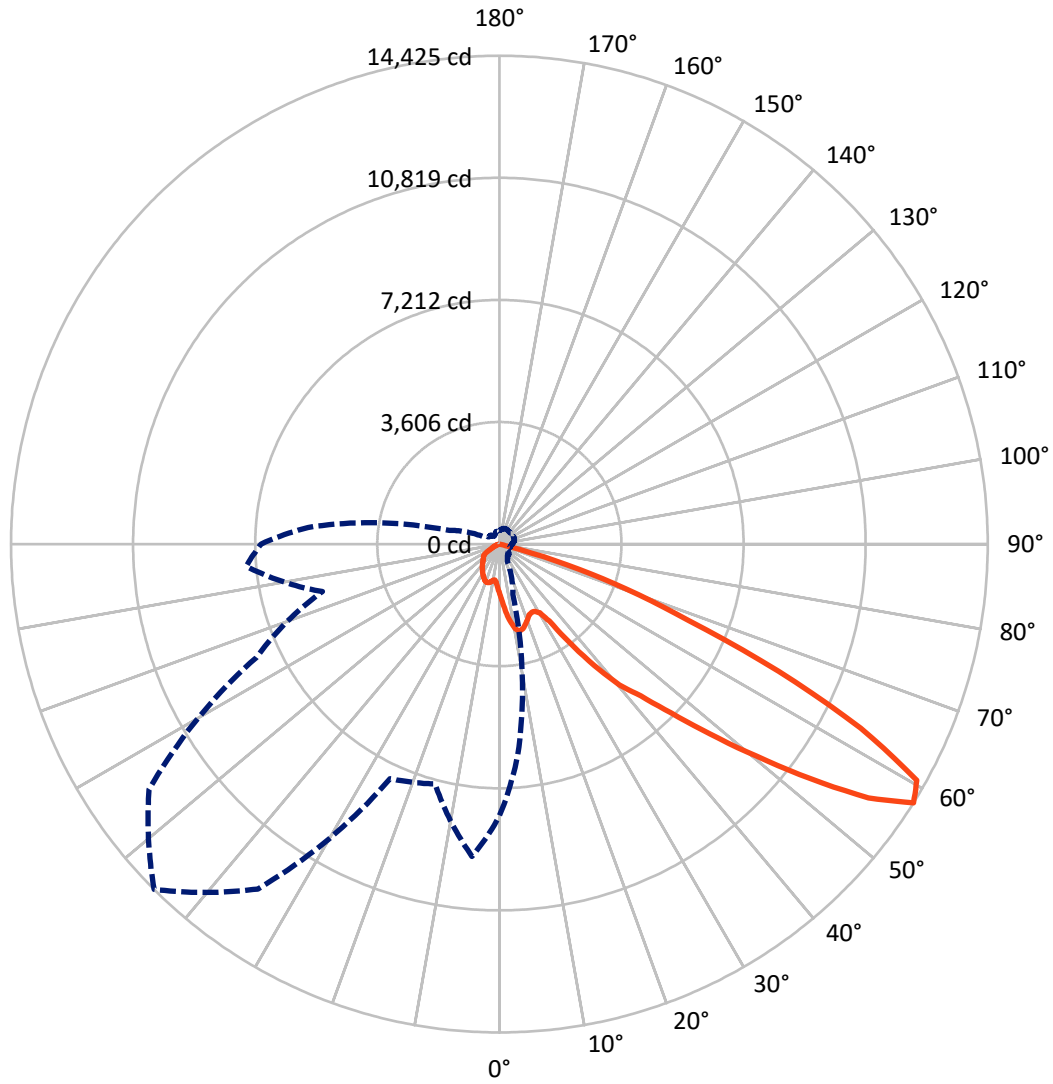
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.2 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
<b>House Side</b>	Lumens	1871.3	0.0	1871.3
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	6814.9	0.0	6814.9
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	8686.2	0.0	8686.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.9	1.7
10°-20°	480.0	5.5
20°-30°	779.0	9.0
30°-40°	1195.6	13.8
40°-50°	1909.4	22.0
50°-60°	2673.5	30.8
60°-70°	1370.8	15.8
70°-80°	132.0	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°	8686.2	100.0
0°-180°	8686.2	100.0

**Coefficient of Utilization**

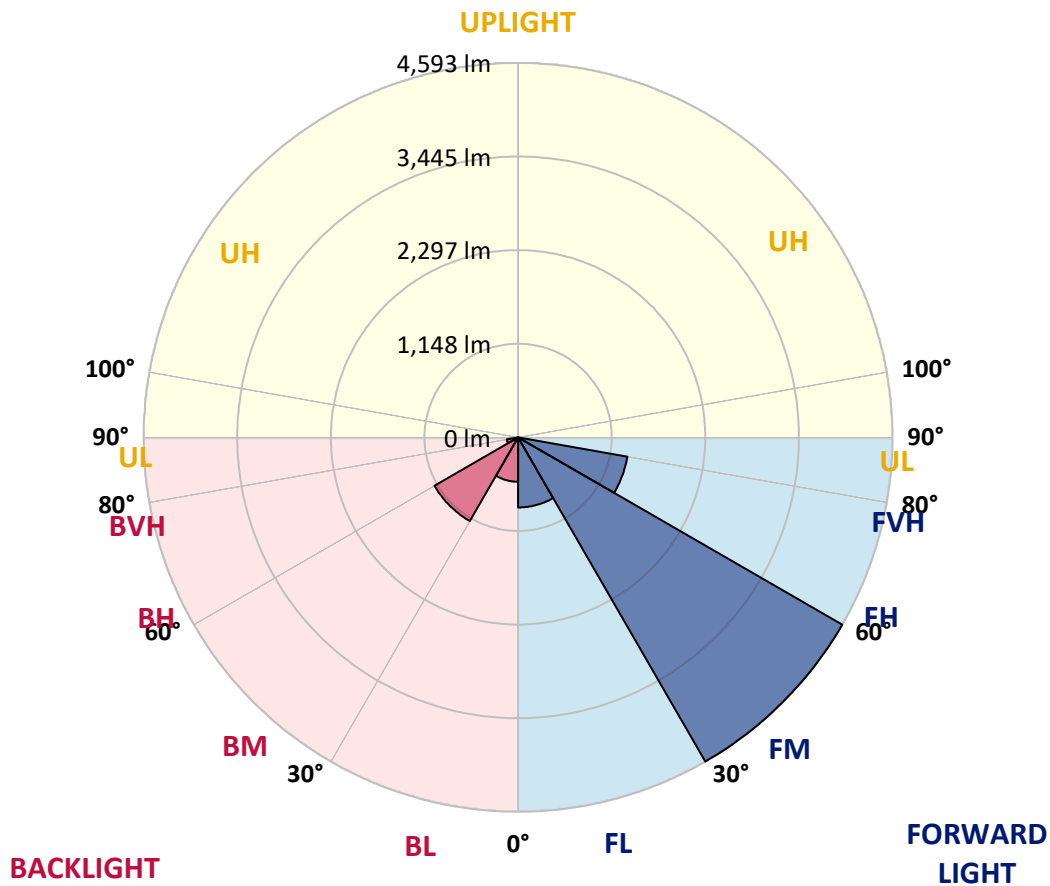


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	860.0	9.9			
FM (30°-60°)	4593.5	52.9			
FH (60°-80°)	1361.4	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	544.9	6.3	B2/1000		
BM (30°-60°)	1185.1	13.6	B2/2500		
BH (60°-80°)	141.3	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°	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9
2.5°	1639.6	1636.2	1624.6	1585.1	1560.7	1522.4	1494.5	1458.5	1419.0	1394.6	1370.2
5°	1813.8	1804.5	1773.2	1682.6	1612.9	1537.5	1477.1	1410.9	1340.1	1293.6	1250.6
7.5°	1981.0	1967.1	1925.3	1772.0	1666.4	1558.4	1472.4	1376.0	1276.2	1206.5	1153.1
10°	2144.8	2113.4	2047.2	1859.1	1716.3	1586.2	1485.2	1374.9	1257.6	1169.4	1110.1
12.5°	2279.5	2256.3	2165.7	1941.6	1758.1	1592.0	1467.8	1365.6	1286.6	1227.4	1172.8
15°	2395.6	2370.1	2284.1	2015.9	1794.1	1568.8	1394.6	1305.2	1318.0	1341.2	1294.8
17.5°	2502.4	2475.7	2382.8	2077.4	1808.0	1511.9	1292.4	1249.5	1320.3	1407.4	1390.0
20°	2612.8	2582.6	2468.8	2127.4	1803.4	1422.5	1189.1	1201.9	1301.7	1401.6	1410.9
22.5°	2741.6	2710.3	2577.9	2191.2	1799.9	1315.7	1099.7	1160.1	1266.9	1351.7	1367.9
25°	2912.3	2875.2	2730.0	2285.3	1809.2	1218.1	1035.8	1119.4	1207.7	1284.3	1293.6
27.5°	3137.6	3090.0	2905.4	2401.4	1828.9	1141.5	1007.9	1063.7	1132.2	1200.7	1208.8
30°	3431.4	3371.0	3106.3	2502.4	1819.6	1088.1	989.4	1007.9	1048.6	1104.3	1105.5
32.5°	3775.1	3692.7	3331.5	2589.5	1739.5	1048.6	963.8	951.0	960.3	1003.3	1011.4
35°	4179.2	4072.4	3580.0	2672.0	1593.2	971.9	917.4	874.4	870.9	891.8	911.6
37.5°	4642.6	4514.8	3893.6	2777.6	1420.2	891.8	848.9	805.9	787.3	797.8	828.0
40°	5069.9	4928.2	4221.0	2905.4	1243.7	819.8	768.7	724.6	702.5	706.0	743.2
42.5°	5571.5	5425.2	4621.7	3072.6	1097.4	771.1	685.1	639.8	610.8	627.1	670.0
45°	6333.3	6167.3	5205.8	3217.7	981.2	759.4	612.0	548.1	534.2	562.0	613.1
47.5°	7373.8	7170.6	6008.2	3306.0	882.5	769.9	560.9	473.8	477.3	508.6	559.7
50°	8406.1	8186.6	6936.0	3189.9	801.2	749.0	535.3	415.7	437.8	465.7	512.1
52.5°	9115.6	8829.9	7387.7	2854.3	726.9	670.0	533.0	361.1	402.9	412.2	451.7
55°	9143.5	8791.6	7156.6	2250.4	625.9	565.5	508.6	315.9	364.6	368.1	401.8
57.5°	8014.8	7696.6	6254.3	1545.6	556.2	414.6	405.3	276.4	299.6	328.6	349.5
60°	6097.6	5827.0	4677.4	708.3	422.7	263.6	277.5	238.1	224.1	267.1	288.0
62.5°	3734.5	3561.5	2805.5	313.5	269.4	140.5	168.4	189.3	168.4	184.6	202.1
65°	1482.9	1406.2	1064.8	133.5	110.3	70.8	76.6	110.3	118.4	130.1	146.3
67.5°	257.8	243.9	178.8	59.2	45.3	43.0	37.2	51.1	72.0	80.1	92.9
70°	33.7	32.5	29.0	24.4	23.2	20.9	16.3	32.5	48.8	51.1	59.2
72.5°	8.1	7.0	7.0	5.8	7.0	2.3	2.3	17.4	34.8	36.0	41.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	22.1	24.4	29.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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°	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9
2.5°	1350.5	1327.3	1319.1	1307.5	1292.4	1297.1	1276.2	1269.2	1279.7	1293.6	1290.1
5°	1227.4	1201.9	1184.4	1157.7	1153.1	1142.6	1135.7	1126.4	1138.0	1154.3	1157.7
7.5°	1129.9	1107.8	1090.4	1082.3	1076.5	1071.8	1057.9	1050.9	1050.9	1057.9	1063.7
10°	1088.1	1071.8	1068.3	1070.6	1079.9	1078.8	1066.0	1056.7	1045.1	1039.3	1046.3
12.5°	1146.1	1119.4	1114.8	1115.9	1127.5	1126.4	1112.5	1100.8	1098.5	1100.8	1122.9
15°	1244.8	1204.2	1174.0	1168.2	1174.0	1171.7	1161.2	1154.3	1157.7	1191.4	1228.6
17.5°	1333.1	1270.4	1215.8	1194.9	1193.7	1190.3	1179.8	1177.5	1194.9	1257.6	1312.2
20°	1358.6	1297.1	1219.3	1192.6	1186.8	1183.3	1171.7	1175.2	1197.2	1272.7	1319.1
22.5°	1325.0	1265.7	1184.4	1157.7	1153.1	1151.9	1140.3	1145.0	1163.5	1229.7	1268.1
25°	1261.1	1211.2	1126.4	1103.2	1103.2	1100.8	1090.4	1092.7	1104.3	1162.4	1199.5
27.5°	1183.3	1135.7	1064.8	1041.6	1045.1	1048.6	1035.8	1032.3	1041.6	1096.2	1118.3
30°	1093.9	1060.2	1004.5	983.6	982.4	996.3	978.9	974.3	987.0	1030.0	1034.6
32.5°	1006.8	990.5	951.0	934.8	935.9	938.3	929.0	929.0	940.6	963.8	962.7
35°	922.0	911.6	904.6	893.0	891.8	887.2	887.2	889.5	902.3	910.4	895.3
37.5°	840.7	851.2	859.3	847.7	838.4	838.4	838.4	848.9	860.5	857.0	831.4
40°	768.7	790.8	816.3	803.6	781.5	780.3	785.0	802.4	819.8	798.9	775.7
42.5°	707.2	735.1	771.1	764.1	739.7	736.2	739.7	761.8	775.7	749.0	723.4
45°	646.8	681.6	724.6	724.6	697.9	694.4	695.6	724.6	732.7	701.4	668.9
47.5°	595.7	634.0	679.3	679.3	657.3	650.3	656.1	686.3	692.1	648.0	617.8
50°	546.9	588.7	638.7	635.2	620.1	614.3	624.7	657.3	650.3	601.5	570.2
52.5°	485.4	529.5	598.0	601.5	593.4	594.5	607.3	628.2	608.5	549.3	522.6
55°	429.7	474.9	543.5	562.0	562.0	560.9	566.7	582.9	566.7	495.8	463.3
57.5°	369.3	407.6	464.5	469.1	472.6	459.8	468.0	490.0	481.9	421.5	402.9
60°	303.1	335.6	368.1	371.6	356.5	329.8	344.9	370.4	376.2	330.9	310.0
62.5°	214.8	246.2	284.5	284.5	269.4	242.7	262.4	284.5	276.4	229.9	217.1
65°	160.2	189.3	218.3	231.1	218.3	199.7	214.8	231.1	218.3	180.0	161.4
67.5°	103.3	123.1	140.5	151.0	153.3	151.0	157.9	153.3	138.2	112.6	102.2
70°	62.7	73.2	82.4	91.7	98.7	102.2	105.7	95.2	80.1	66.2	62.7
72.5°	45.3	54.6	62.7	69.7	77.8	80.1	80.1	73.2	59.2	46.4	43.0
75°	31.4	39.5	46.4	51.1	58.1	60.4	60.4	54.6	44.1	33.7	30.2
77.5°	1.2	8.1	8.1	7.0	9.3	11.6	11.6	13.9	12.8	9.3	8.1
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°	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9
2.5°	1297.1	1338.9	1350.5	1393.5	1431.8	1470.1	1516.6	1544.4	1586.2	1615.3	1631.5
5°	1169.4	1204.2	1246.0	1309.9	1376.0	1449.2	1537.5	1614.1	1710.5	1781.3	1804.5
7.5°	1076.5	1121.7	1170.5	1250.6	1341.2	1438.8	1563.0	1688.4	1835.9	1932.3	1993.8
10°	1059.0	1105.5	1170.5	1249.5	1344.7	1456.2	1608.3	1770.9	1955.5	2072.8	2142.5
12.5°	1142.6	1192.6	1220.4	1256.4	1328.4	1452.7	1647.8	1854.5	2071.6	2199.4	2273.7
15°	1265.7	1309.9	1264.6	1219.3	1265.7	1415.5	1669.8	1924.1	2173.8	2321.3	2397.9
17.5°	1350.5	1354.0	1255.3	1158.9	1171.7	1348.2	1678.0	1993.8	2283.0	2437.4	2517.5
20°	1342.4	1314.5	1214.6	1107.8	1068.3	1261.1	1668.7	2055.4	2393.3	2554.7	2633.7
22.5°	1279.7	1247.2	1162.4	1057.9	981.2	1157.7	1652.4	2111.1	2494.3	2677.8	2752.1
25°	1204.2	1169.4	1099.7	1007.9	925.5	1057.9	1639.6	2187.7	2622.0	2838.0	2896.1
27.5°	1115.9	1085.7	1026.5	960.3	902.3	982.4	1636.2	2288.8	2776.5	3033.1	3073.8
30°	1030.0	1002.1	955.7	917.4	893.0	938.3	1624.6	2396.8	2961.1	3257.2	3301.4
32.5°	947.6	919.7	890.7	884.9	886.0	922.0	1585.1	2503.6	3180.6	3582.4	3614.9
35°	876.7	844.2	832.6	846.5	872.1	894.1	1473.6	2591.8	3416.3	3936.5	3963.3
37.5°	809.4	776.9	775.7	809.4	837.2	851.2	1342.4	2678.9	3734.5	4296.5	4330.2
40°	747.8	715.3	726.9	767.6	789.6	796.6	1183.3	2811.3	4071.2	4676.2	4657.7
42.5°	695.6	661.9	668.9	721.1	740.9	759.4	1037.0	2921.6	4395.2	5036.2	5030.4
45°	644.5	618.9	614.3	671.2	688.6	762.9	930.1	3006.4	4812.1	5494.9	5504.2
47.5°	594.5	574.8	576.0	600.4	643.3	780.3	839.6	3062.1	5417.1	6221.8	6060.4
50°	549.3	534.2	546.9	519.1	614.3	758.3	761.8	3050.5	6092.9	6918.6	6594.6
52.5°	499.3	495.8	501.6	434.3	567.8	668.9	688.6	2896.1	6409.9	7394.7	7210.0
55°	448.2	447.1	400.6	347.2	474.9	534.2	589.9	2416.5	6399.5	7647.8	7871.9
57.5°	387.8	378.6	304.2	283.3	369.3	371.6	537.6	1582.7	5671.4	7041.7	7506.1
60°	293.8	286.8	223.0	229.9	257.8	238.1	428.5	788.5	4238.5	5485.6	6009.3
62.5°	203.2	193.9	166.1	177.7	166.1	135.9	262.4	390.2	2567.5	3463.9	3938.9
65°	148.6	138.2	113.8	97.5	77.8	77.8	99.9	149.8	994.0	1472.4	1775.5
67.5°	91.7	87.1	67.4	48.8	47.6	51.1	52.3	74.3	160.2	255.5	312.4
70°	59.2	54.6	45.3	31.4	29.0	30.2	31.4	34.8	40.6	44.1	53.4
72.5°	40.6	38.3	32.5	17.4	13.9	15.1	16.3	16.3	19.7	18.6	22.1
75°	29.0	26.7	23.2	8.1	4.6	5.8	7.0	5.8	7.0	4.6	5.8
77.5°	8.1	8.1	5.8	1.2	0.0	1.2	2.3	2.3	1.2	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	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-SA3E-722-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9
2.5°	1673.3	1700.0	1710.5	1695.4	1708.2	1687.3	1679.1	1647.8	1645.5	1639.6
5°	1898.6	1959.0	1995.0	2017.0	1991.5	1963.6	1921.8	1849.8	1827.8	1813.8
7.5°	2120.4	2214.5	2276.0	2305.0	2298.1	2241.2	2165.7	2044.9	2001.9	1981.0
10°	2313.2	2428.1	2502.4	2538.4	2523.3	2473.4	2365.4	2214.5	2157.6	2144.8
12.5°	2447.9	2553.5	2604.6	2636.0	2637.1	2617.4	2515.2	2363.1	2295.7	2279.5
15°	2532.6	2577.9	2579.1	2597.7	2630.2	2674.3	2626.7	2492.0	2420.0	2395.6
17.5°	2586.0	2536.1	2485.0	2489.7	2543.1	2660.4	2709.1	2605.8	2529.1	2502.4
20°	2624.4	2466.4	2371.2	2372.4	2427.0	2604.6	2766.0	2716.1	2637.1	2612.8
22.5°	2648.7	2404.9	2269.0	2265.5	2323.6	2538.4	2818.3	2847.3	2769.5	2741.6
25°	2698.7	2375.9	2207.5	2227.2	2278.3	2517.5	2889.1	3021.5	2949.5	2912.3
27.5°	2788.1	2404.9	2201.7	2247.0	2305.0	2579.1	3012.2	3253.7	3179.4	3137.6
30°	2942.5	2514.0	2291.1	2353.8	2423.5	2740.5	3218.9	3577.7	3470.9	3431.4
32.5°	3191.0	2740.5	2567.5	2702.2	2769.5	3005.2	3529.0	3941.2	3854.1	3775.1
35°	3533.6	3257.2	3237.5	3551.0	3534.8	3506.9	3909.8	4387.1	4255.9	4179.2
37.5°	4005.1	4088.7	4235.0	4546.2	4535.7	4323.2	4410.3	4808.6	4741.3	4642.6
40°	4593.8	4771.5	5020.0	5465.9	5326.5	5059.4	5024.6	5240.6	5186.0	5069.9
42.5°	4941.0	5247.6	5721.3	6122.0	6010.5	5543.7	5504.2	5817.7	5698.1	5571.5
45°	5102.4	5635.4	6564.4	7106.7	6768.8	5865.3	5850.2	6570.2	6502.8	6333.3
47.5°	5176.7	6026.7	7551.4	8372.4	7740.7	6147.5	6092.9	7661.7	7573.5	7373.8
50°	5259.2	6566.7	8740.5	9839.0	8914.7	6466.8	6506.3	8679.0	8641.8	8406.1
52.5°	5440.3	7138.0	10204.8	11515.8	10338.4	6967.3	7215.8	9638.1	9387.3	9115.6
55°	5712.1	7760.5	11728.3	13228.6	11791.1	7639.7	7983.4	10147.9	9444.2	9143.5
57.5°	5411.3	7916.1	12630.6	14424.7	12435.5	7642.0	7334.3	9264.2	8306.2	8014.8
60°	4294.2	7364.5	12283.4	14165.8	11886.3	6786.2	5615.7	7233.3	6292.7	6097.6
62.5°	2903.1	6176.5	10813.3	11980.3	10173.5	5338.1	3649.7	4704.1	3895.9	3734.5
65°	1590.9	4607.7	8737.0	9063.3	7962.5	3728.7	1877.7	2041.4	1554.9	1482.9
67.5°	438.9	3207.3	6428.5	6012.8	5586.6	2428.1	485.4	364.6	260.1	257.8
70°	110.3	2121.6	3851.8	3970.2	3425.6	1554.9	92.9	44.1	34.8	33.7
72.5°	46.4	912.7	1827.8	2100.7	1753.4	720.0	33.7	12.8	10.5	8.1
75°	5.8	73.2	155.6	235.7	161.4	77.8	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)