

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: P632264

Luminaire Tested: GWS-SA2C-735-U-SLL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632264  
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-SA2C-735-U-SLL-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

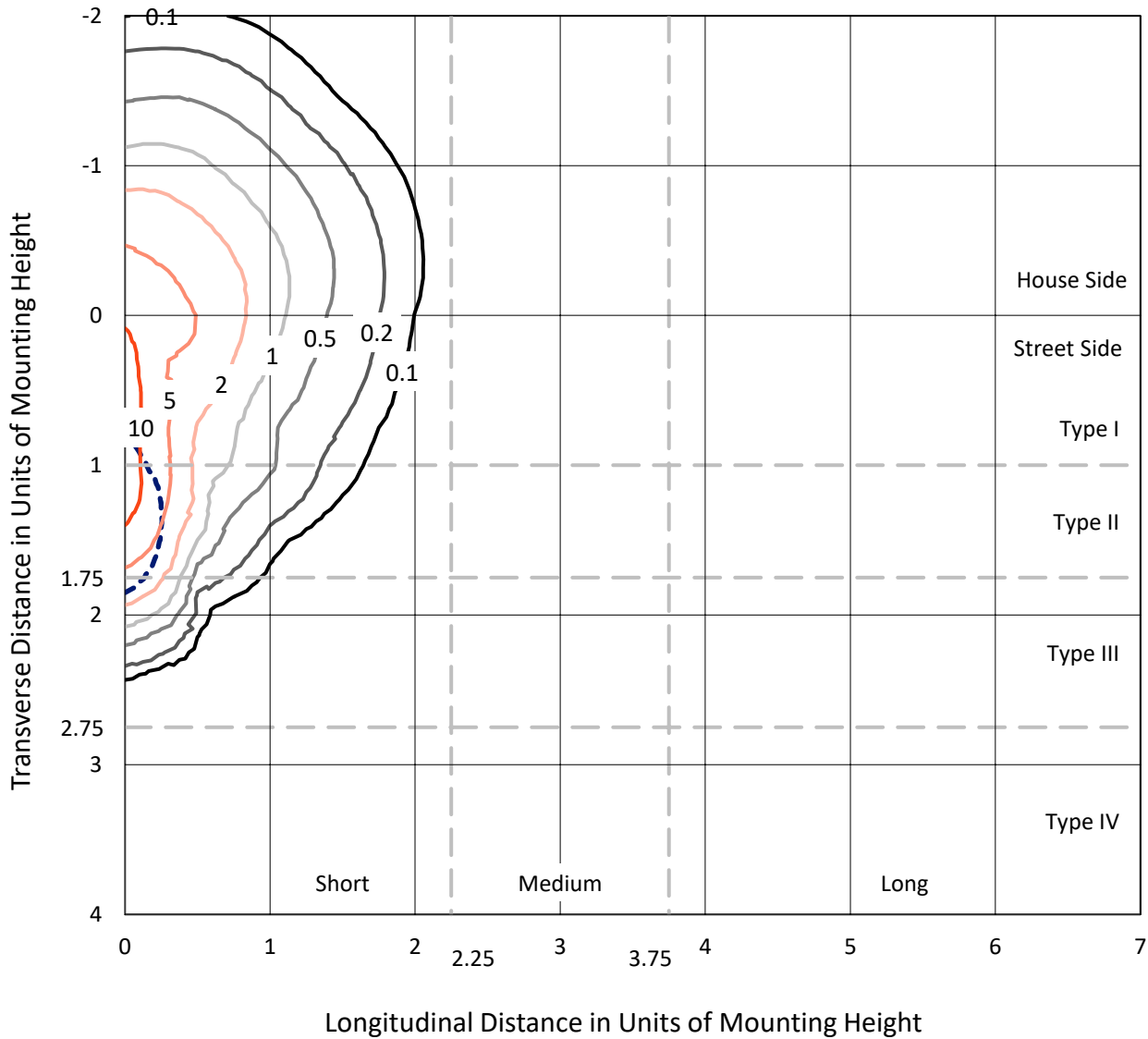
Lumens per Lamp: N/A  
Luminaire Lumens: 4894.8 lumens  
Efficiency: N/A  
Efficacy: 77.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P632264  
 CATALOG NUMBER: GWS-SA2C-735-U-SLL-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

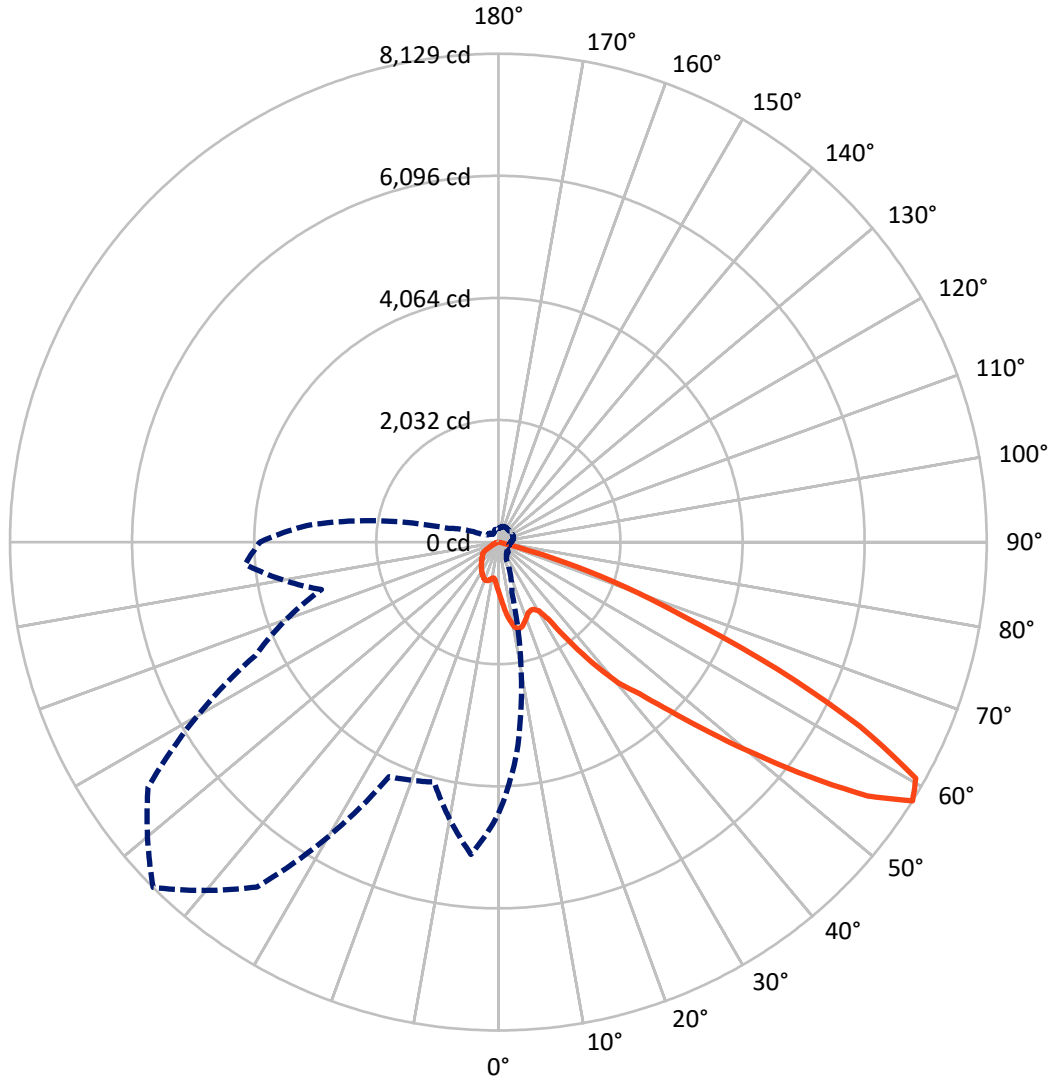
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 fc  
 Type III - Short - N/A

REPORT NUMBER: P632264  
CATALOG NUMBER: GWS-SA2C-735-U-SLL-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P632264

CATALOG NUMBER: GWS-SA2C-735-U-SLL-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1054.5	0.0	1054.5
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	3840.3	0.0	3840.3
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	4894.8	0.0	4894.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.2	1.7
10°-20°	270.5	5.5
20°-30°	439.0	9.0
30°-40°	673.7	13.8
40°-50°	1076.0	22.0
50°-60°	1506.6	30.8
60°-70°	772.5	15.8
70°-80°	74.4	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°	4894.8	100.0
0°-180°	4894.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P632264

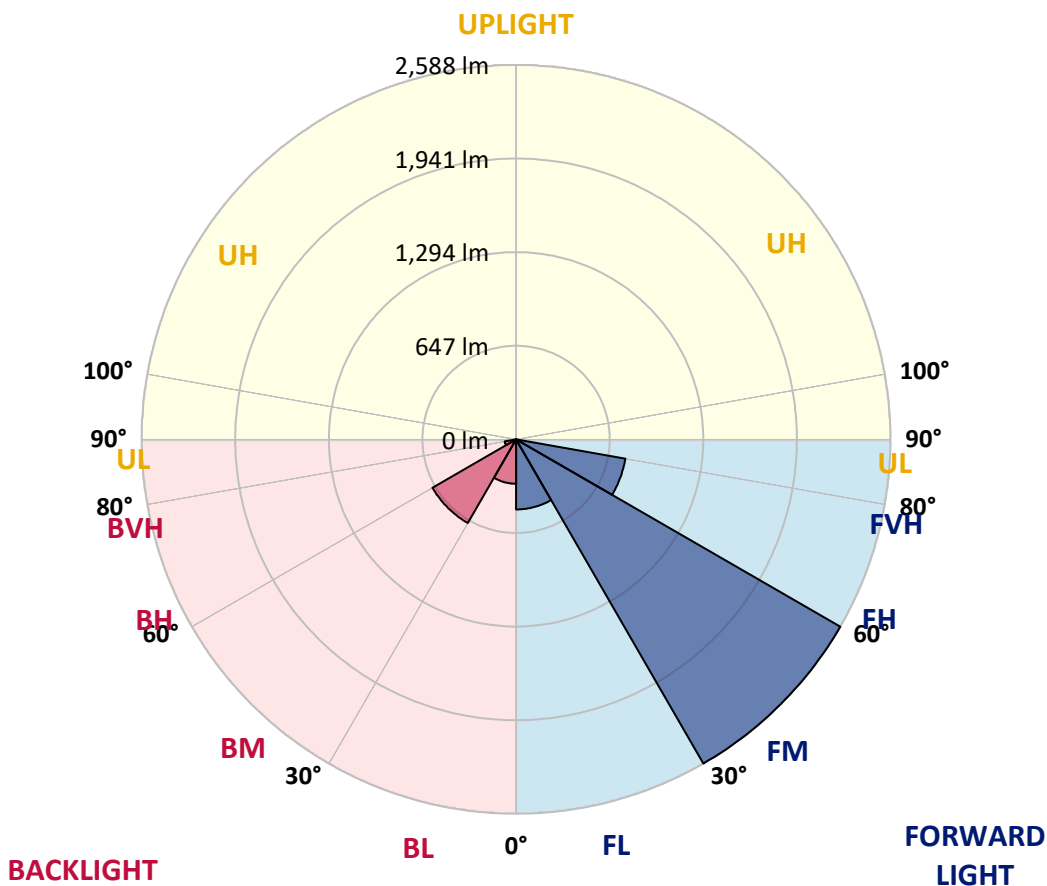
CATALOG NUMBER: GWS-SA2C-735-U-SLL-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	484.6	9.9			
FM (30°-60°)	2588.5	52.9			
FH (60°-80°)	767.2	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	307.1	6.3	B1/500		
BM (30°-60°)	667.8	13.6	B1/1000		
BH (60°-80°)	79.6	1.6	B0/110		G0/110
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: B1-U0-G1**

Type III Short





REPORT NUMBER: P632264

CATALOG NUMBER: GWS-SA2C-735-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7
2.5°	924.0	922.0	915.5	893.2	879.5	857.9	842.2	821.9	799.6	785.9	772.2
5°	1022.1	1016.9	999.2	948.2	908.9	866.4	832.4	795.1	755.1	729.0	704.8
7.5°	1116.3	1108.5	1084.9	998.6	939.0	878.2	829.7	775.4	719.1	679.9	649.8
10°	1208.6	1190.9	1153.6	1047.6	967.2	893.9	836.9	774.8	708.7	658.9	625.6
12.5°	1284.5	1271.4	1220.4	1094.1	990.7	897.1	827.1	769.5	725.0	691.7	660.9
15°	1350.0	1335.6	1287.1	1136.0	1011.0	884.0	785.9	735.5	742.7	755.8	729.6
17.5°	1410.2	1395.1	1342.8	1170.7	1018.8	852.0	728.3	704.1	744.0	793.1	783.3
20°	1472.3	1455.3	1391.2	1198.8	1016.2	801.6	670.1	677.3	733.5	789.8	795.1
22.5°	1545.0	1527.3	1452.7	1234.8	1014.3	741.4	619.7	653.7	713.9	761.7	770.8
25°	1641.1	1620.2	1538.4	1287.8	1019.5	686.4	583.7	630.8	680.5	723.7	729.0
27.5°	1768.1	1741.3	1637.2	1353.2	1030.6	643.2	568.0	599.4	638.0	676.6	681.2
30°	1933.7	1899.6	1750.4	1410.2	1025.4	613.1	557.5	568.0	590.9	622.3	623.0
32.5°	2127.3	2080.9	1877.4	1459.2	980.2	590.9	543.1	535.9	541.2	565.4	570.0
35°	2355.1	2294.9	2017.4	1505.7	897.8	547.7	516.9	492.7	490.8	502.6	513.7
37.5°	2616.2	2544.2	2194.1	1565.2	800.3	502.6	478.3	454.1	443.7	449.5	466.6
40°	2857.0	2777.1	2378.6	1637.2	700.8	462.0	433.2	408.3	395.9	397.9	418.8
42.5°	3139.6	3057.2	2604.4	1731.5	618.4	434.5	386.1	360.6	344.2	353.4	377.6
45°	3568.9	3475.3	2933.5	1813.2	552.9	428.0	344.9	308.9	301.0	316.7	345.5
47.5°	4155.2	4040.7	3385.7	1863.0	497.3	433.8	316.1	267.0	268.9	286.6	315.4
50°	4737.0	4613.3	3908.5	1797.5	451.5	422.1	301.7	234.3	246.7	262.4	288.6
52.5°	5136.8	4975.8	4163.1	1608.4	409.6	377.6	300.4	203.5	227.1	232.3	254.5
55°	5152.5	4954.2	4032.9	1268.2	352.7	318.7	286.6	178.0	205.5	207.4	226.4
57.5°	4516.4	4337.1	3524.4	871.0	313.4	233.6	228.4	155.7	168.8	185.2	197.0
60°	3436.1	3283.6	2635.8	399.2	238.2	148.5	156.4	134.1	126.3	150.5	162.3
62.5°	2104.4	2006.9	1580.9	176.7	151.8	79.2	94.9	106.7	94.9	104.0	113.9
65°	835.6	792.4	600.1	75.3	62.2	39.9	43.2	62.2	66.7	73.3	82.5
67.5°	145.3	137.4	100.8	33.4	25.5	24.2	20.9	28.8	40.6	45.2	52.3
70°	19.0	18.3	16.4	13.7	13.1	11.8	9.2	18.3	27.5	28.8	33.4
72.5°	4.6	3.9	3.9	3.3	3.9	1.3	1.3	9.8	19.6	20.3	23.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	12.4	13.7	16.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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



REPORT NUMBER: P632264  
 CATALOG NUMBER: GWS-SA2C-735-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7
2.5°	761.0	747.9	743.4	736.8	728.3	730.9	719.1	715.2	721.1	729.0	727.0
5°	691.7	677.3	667.5	652.4	649.8	643.9	640.0	634.7	641.3	650.4	652.4
7.5°	636.7	624.3	614.4	609.9	606.6	604.0	596.1	592.2	592.2	596.1	599.4
10°	613.1	604.0	602.0	603.3	608.6	607.9	600.7	595.5	588.9	585.7	589.6
12.5°	645.9	630.8	628.2	628.8	635.4	634.7	626.9	620.3	619.0	620.3	632.8
15°	701.5	678.6	661.6	658.3	661.6	660.3	654.4	650.4	652.4	671.4	692.3
17.5°	751.2	715.9	685.1	673.3	672.7	670.7	664.8	663.5	673.3	708.7	739.4
20°	765.6	730.9	687.1	672.0	668.8	666.8	660.3	662.2	674.7	717.2	743.4
22.5°	746.6	713.3	667.5	652.4	649.8	649.1	642.6	645.2	655.7	693.0	714.6
25°	710.6	682.5	634.7	621.6	621.6	620.3	614.4	615.8	622.3	655.0	676.0
27.5°	666.8	640.0	600.1	587.0	588.9	590.9	583.7	581.7	587.0	617.7	630.2
30°	616.4	597.4	566.0	554.2	553.6	561.4	551.6	549.0	556.2	580.4	583.0
32.5°	567.3	558.2	535.9	526.8	527.4	528.7	523.5	523.5	530.0	543.1	542.5
35°	519.6	513.7	509.8	503.2	502.6	499.9	499.9	501.2	508.4	513.0	504.5
37.5°	473.8	479.7	484.2	477.7	472.5	472.5	472.5	478.3	484.9	482.9	468.5
40°	433.2	445.6	460.0	452.8	440.4	439.7	442.4	452.2	462.0	450.2	437.1
42.5°	398.5	414.2	434.5	430.6	416.8	414.9	416.8	429.3	437.1	422.1	407.7
45°	364.5	384.1	408.3	408.3	393.3	391.3	392.0	408.3	412.9	395.2	376.9
47.5°	335.7	357.3	382.8	382.8	370.4	366.4	369.7	386.7	390.0	365.1	348.1
50°	308.2	331.8	359.9	357.9	349.4	346.2	352.0	370.4	366.4	339.0	321.3
52.5°	273.5	298.4	337.0	339.0	334.4	335.0	342.2	354.0	342.9	309.5	294.5
55°	242.1	267.6	306.2	316.7	316.7	316.1	319.3	328.5	319.3	279.4	261.1
57.5°	208.1	229.7	261.7	264.4	266.3	259.1	263.7	276.1	271.6	237.5	227.1
60°	170.8	189.1	207.4	209.4	200.9	185.8	194.3	208.7	212.0	186.5	174.7
62.5°	121.1	138.7	160.3	160.3	151.8	136.8	147.9	160.3	155.7	129.6	122.4
65°	90.3	106.7	123.0	130.2	123.0	112.6	121.1	130.2	123.0	101.4	91.0
67.5°	58.2	69.4	79.2	85.1	86.4	85.1	89.0	86.4	77.9	63.5	57.6
70°	35.3	41.2	46.5	51.7	55.6	57.6	59.5	53.7	45.2	37.3	35.3
72.5°	25.5	30.8	35.3	39.3	43.8	45.2	45.2	41.2	33.4	26.2	24.2
75°	17.7	22.2	26.2	28.8	32.7	34.0	34.0	30.8	24.9	19.0	17.0
77.5°	0.7	4.6	4.6	3.9	5.2	6.5	6.5	7.9	7.2	5.2	4.6
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





REPORT NUMBER: P632264  
 CATALOG NUMBER: GWS-SA2C-735-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7
2.5°	730.9	754.5	761.0	785.2	806.8	828.4	854.6	870.3	893.9	910.2	919.4
5°	658.9	678.6	702.1	738.1	775.4	816.6	866.4	909.6	963.9	1003.8	1016.9
7.5°	606.6	632.1	659.6	704.8	755.8	810.8	880.8	951.4	1034.6	1088.9	1123.5
10°	596.8	623.0	659.6	704.1	757.8	820.6	906.3	997.9	1102.0	1168.0	1207.3
12.5°	643.9	672.0	687.7	708.0	748.6	818.6	928.5	1045.0	1167.4	1239.4	1281.2
15°	713.3	738.1	712.6	687.1	713.3	797.7	941.0	1084.3	1225.0	1308.1	1351.3
17.5°	761.0	763.0	707.4	653.1	660.3	759.7	945.6	1123.5	1286.5	1373.5	1418.7
20°	756.4	740.7	684.5	624.3	602.0	710.6	940.3	1158.2	1348.6	1439.6	1484.1
22.5°	721.1	702.8	655.0	596.1	552.9	652.4	931.2	1189.6	1405.6	1509.0	1550.8
25°	678.6	658.9	619.7	568.0	521.5	596.1	924.0	1232.8	1477.6	1599.3	1632.0
27.5°	628.8	611.8	578.5	541.2	508.4	553.6	922.0	1289.8	1564.6	1709.2	1732.1
30°	580.4	564.7	538.5	516.9	503.2	528.7	915.5	1350.6	1668.6	1835.5	1860.4
32.5°	534.0	518.3	501.9	498.6	499.3	519.6	893.2	1410.8	1792.3	2018.7	2037.0
35°	494.0	475.7	469.2	477.0	491.4	503.9	830.4	1460.5	1925.1	2218.3	2233.4
37.5°	456.1	437.8	437.1	456.1	471.8	479.7	756.4	1509.6	2104.4	2421.2	2440.1
40°	421.4	403.1	409.6	432.5	445.0	448.9	666.8	1584.2	2294.2	2635.1	2624.7
42.5°	392.0	373.0	376.9	406.4	417.5	428.0	584.3	1646.4	2476.8	2838.0	2834.7
45°	363.2	348.8	346.2	378.2	388.0	429.9	524.1	1694.2	2711.7	3096.5	3101.7
47.5°	335.0	323.9	324.6	338.3	362.5	439.7	473.1	1725.6	3052.6	3506.1	3415.1
50°	309.5	301.0	308.2	292.5	346.2	427.3	429.3	1719.0	3433.5	3898.7	3716.1
52.5°	281.4	279.4	282.7	244.7	320.0	376.9	388.0	1632.0	3612.1	4167.0	4063.0
55°	252.6	251.9	225.8	195.7	267.6	301.0	332.4	1361.7	3606.2	4309.7	4435.9
57.5°	218.6	213.3	171.4	159.7	208.1	209.4	303.0	891.9	3195.9	3968.1	4229.8
60°	165.6	161.6	125.6	129.6	145.3	134.1	241.5	444.3	2388.4	3091.2	3386.3
62.5°	114.5	109.3	93.6	100.1	93.6	76.6	147.9	219.9	1446.8	1952.0	2219.6
65°	83.8	77.9	64.1	55.0	43.8	43.8	56.3	84.4	560.1	829.7	1000.5
67.5°	51.7	49.1	38.0	27.5	26.8	28.8	29.4	41.9	90.3	144.0	176.0
70°	33.4	30.8	25.5	17.7	16.4	17.0	17.7	19.6	22.9	24.9	30.1
72.5°	22.9	21.6	18.3	9.8	7.9	8.5	9.2	9.2	11.1	10.5	12.4
75°	16.4	15.1	13.1	4.6	2.6	3.3	3.9	3.3	3.9	2.6	3.3
77.5°	4.6	4.6	3.3	0.7	0.0	0.7	1.3	1.3	0.7	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	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



REPORT NUMBER: P632264

CATALOG NUMBER: GWS-SA2C-735-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7
2.5°	942.9	958.0	963.9	955.4	962.6	950.8	946.2	928.5	927.2	924.0
5°	1069.9	1103.9	1124.2	1136.6	1122.2	1106.5	1083.0	1042.4	1030.0	1022.1
7.5°	1194.9	1247.9	1282.6	1298.9	1295.0	1262.9	1220.4	1152.3	1128.1	1116.3
10°	1303.5	1368.3	1410.2	1430.4	1421.9	1393.8	1332.9	1247.9	1215.8	1208.6
12.5°	1379.4	1439.0	1467.7	1485.4	1486.1	1474.9	1417.4	1331.6	1293.7	1284.5
15°	1427.2	1452.7	1453.3	1463.8	1482.1	1507.0	1480.2	1404.3	1363.7	1350.0
17.5°	1457.3	1429.1	1400.3	1403.0	1433.1	1499.2	1526.6	1468.4	1425.2	1410.2
20°	1478.9	1389.9	1336.2	1336.9	1367.6	1467.7	1558.7	1530.6	1486.1	1472.3
22.5°	1492.6	1355.2	1278.6	1276.7	1309.4	1430.4	1588.1	1604.5	1560.7	1545.0
25°	1520.7	1338.8	1243.9	1255.1	1283.9	1418.7	1628.1	1702.7	1662.1	1641.1
27.5°	1571.1	1355.2	1240.7	1266.2	1298.9	1453.3	1697.4	1833.5	1791.7	1768.1
30°	1658.2	1416.7	1291.1	1326.4	1365.7	1544.3	1813.9	2016.1	1955.9	1933.7
32.5°	1798.2	1544.3	1446.8	1522.7	1560.7	1693.5	1988.6	2220.9	2171.8	2127.3
35°	1991.2	1835.5	1824.4	2001.1	1991.9	1976.2	2203.2	2472.2	2398.3	2355.1
37.5°	2256.9	2304.0	2386.5	2561.8	2556.0	2436.2	2485.3	2709.7	2671.8	2616.2
40°	2588.7	2688.8	2828.8	3080.1	3001.6	2851.1	2831.4	2953.2	2922.4	2857.0
42.5°	2784.3	2957.1	3224.1	3449.8	3387.0	3123.9	3101.7	3278.4	3211.0	3139.6
45°	2875.3	3175.6	3699.1	4004.7	3814.3	3305.2	3296.7	3702.4	3664.4	3568.9
47.5°	2917.2	3396.2	4255.3	4718.0	4362.0	3464.2	3433.5	4317.5	4267.8	4155.2
50°	2963.6	3700.4	4925.4	5544.4	5023.6	3644.2	3666.4	4890.7	4869.8	4737.0
52.5°	3065.7	4022.4	5750.6	6489.3	5825.8	3926.2	4066.2	5431.2	5289.9	5136.8
55°	3218.8	4373.1	6609.1	7454.5	6644.4	4305.1	4498.8	5718.5	5322.0	5152.5
57.5°	3049.3	4460.8	7117.5	8128.5	7007.6	4306.4	4133.0	5220.5	4680.7	4516.4
60°	2419.8	4150.0	6921.9	7982.6	6698.1	3824.1	3164.5	4076.0	3546.0	3436.1
62.5°	1635.9	3480.6	6093.5	6751.1	5732.9	3008.1	2056.7	2650.8	2195.4	2104.4
65°	896.5	2596.5	4923.4	5107.3	4487.0	2101.2	1058.1	1150.4	876.2	835.6
67.5°	247.4	1807.4	3622.6	3388.3	3148.2	1368.3	273.5	205.5	146.6	145.3
70°	62.2	1195.5	2170.5	2237.3	1930.4	876.2	52.3	24.9	19.6	19.0
72.5°	26.2	514.3	1030.0	1183.7	988.1	405.7	19.0	7.2	5.9	4.6
75°	3.3	41.2	87.7	132.8	91.0	43.8	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

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