

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: P634249

Luminaire Tested: GWS-SA3B-735-U-SLR-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634249  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-735-U-SLR-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

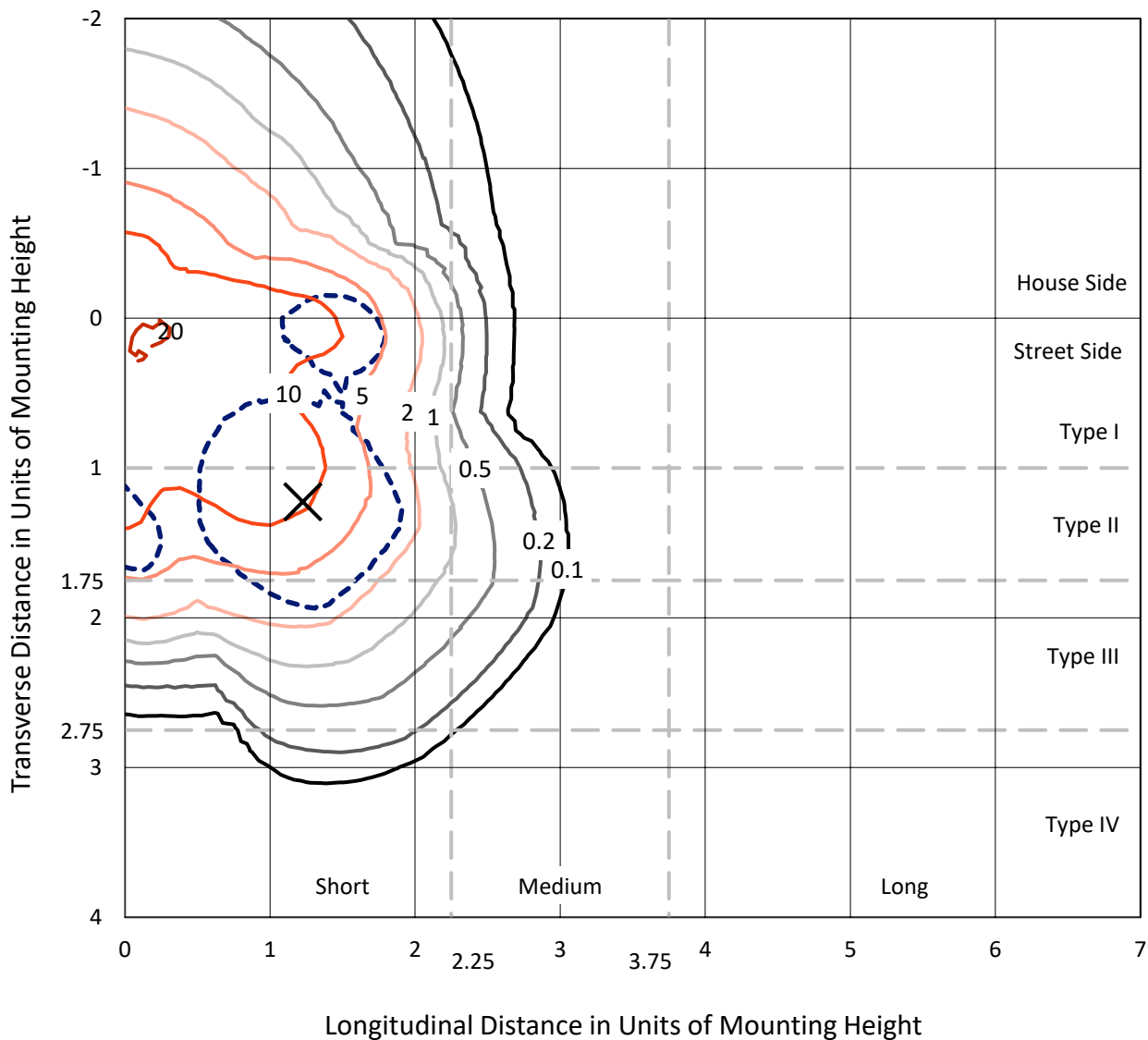
Lumens per Lamp: N/A  
Luminaire Lumens: 8026.5 lumens  
Efficiency: N/A  
Efficacy: 117.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

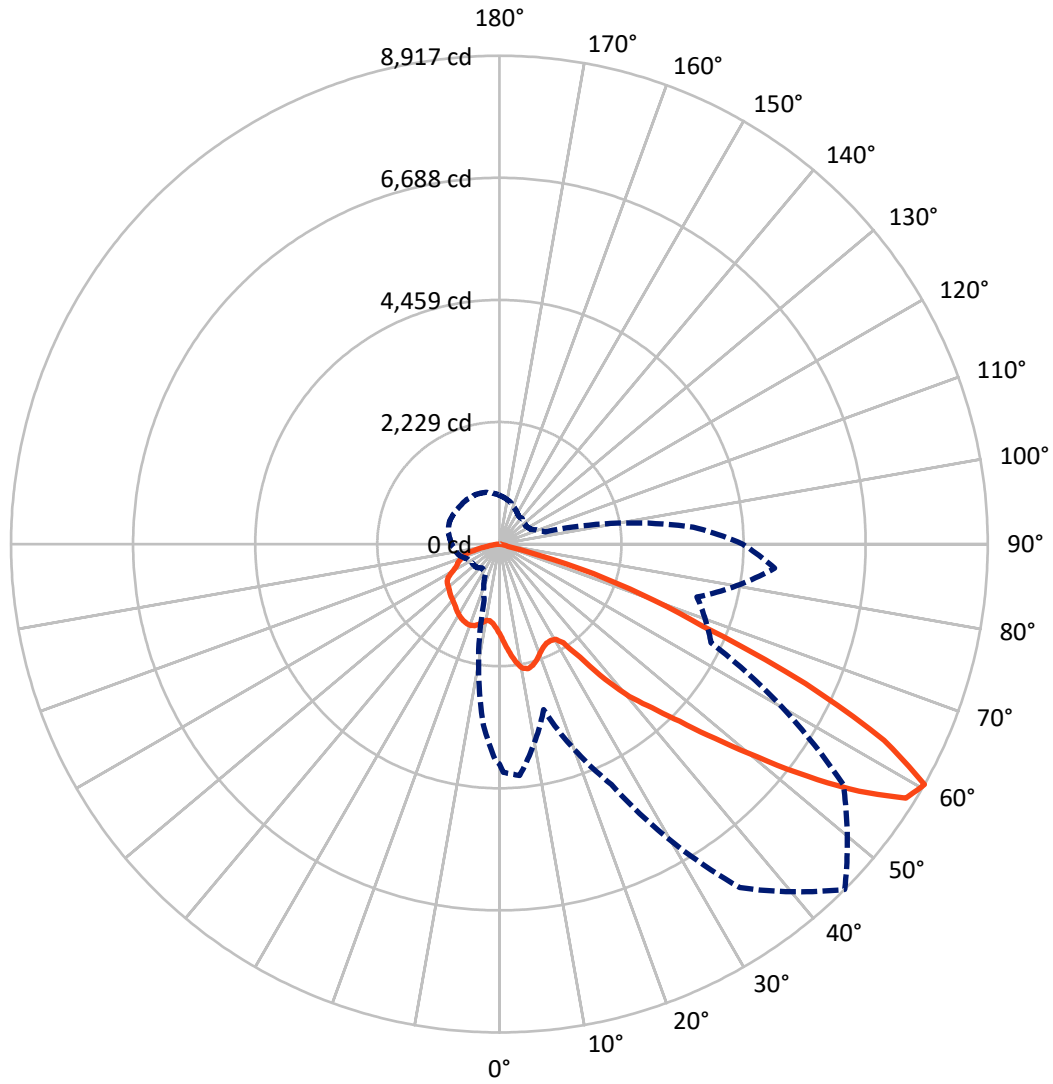
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2813.6	0.0	2813.6
	% Fixture	35.1	0.0	35.1
<b>Street Side</b>	Lumens	5212.9	0.0	5212.9
	% Fixture	64.9	0.0	64.9
<b>Total</b>	Lumens	8026.5	0.0	8026.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.9	2.0
10°-20°	508.4	6.3
20°-30°	825.8	10.3
30°-40°	1164.6	14.5
40°-50°	1609.4	20.1
50°-60°	2071.8	25.8
60°-70°	1312.7	16.4
70°-80°	336.9	4.2
80°-90°	36.0	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°	8026.5	100.0
0°-180°	8026.5	100.0

**Coefficient of Utilization**



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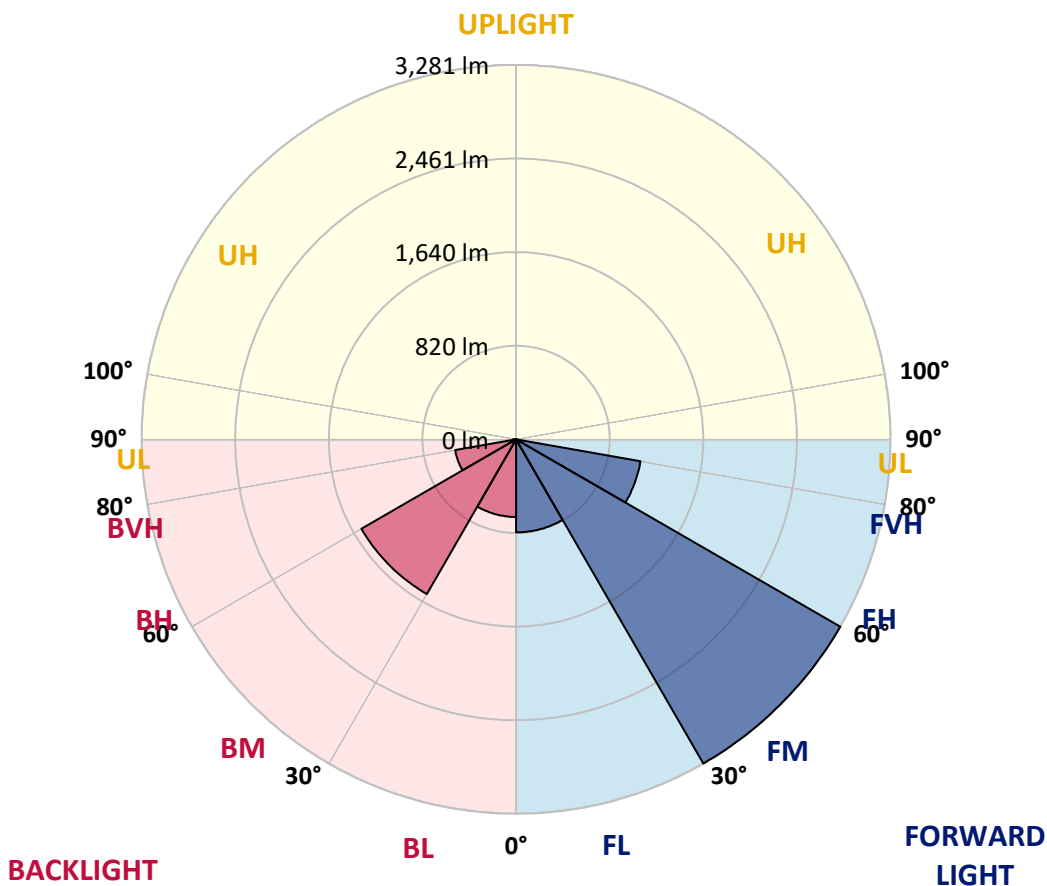
CATALOG NUMBER: GWS-SA3B-735-U-SLR-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	815.0	10.2			
FM (30°-60°)	3280.8	40.9			
FH (60°-80°)	1107.4	13.8			G1/1800
FVH (80°-90°)	9.8	0.1			G0/10
BL (0°-30°)	680.0	8.5	B2/1000		
BM (30°-60°)	1565.1	19.5	B2/2500		
BH (60°-80°)	542.2	6.8	B2/1000		G2/1000
BVH (80°-90°)	26.2	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-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9
2.5°	1724.6	1736.4	1743.8	1757.7	1782.7	1796.7	1812.1	1795.2	1799.6	1797.4	1770.2
5°	1826.9	1840.8	1860.0	1901.1	1947.5	1973.2	1997.5	1993.8	1971.0	1932.8	1905.6
7.5°	1922.5	1938.6	1971.7	2038.7	2107.1	2146.8	2176.2	2157.1	2138.0	2077.6	2009.2
10°	1997.5	2007.0	2051.9	2141.6	2221.1	2265.9	2302.0	2297.5	2271.1	2203.4	2111.5
12.5°	2068.1	2074.7	2123.2	2213.0	2284.3	2304.2	2333.6	2343.1	2334.3	2283.6	2193.1
15°	2143.8	2156.3	2201.2	2269.6	2302.0	2281.4	2291.7	2318.1	2343.1	2343.1	2260.0
17.5°	2214.4	2225.5	2271.1	2300.5	2269.6	2215.2	2218.1	2251.9	2311.5	2374.0	2321.1
20°	2277.0	2287.2	2332.1	2304.2	2206.3	2126.9	2124.7	2165.9	2262.2	2393.9	2386.5
22.5°	2345.3	2360.1	2397.6	2307.1	2147.5	2046.8	2046.0	2088.7	2218.9	2413.7	2461.6
25°	2442.4	2465.2	2484.3	2332.8	2115.9	1994.5	2004.1	2044.6	2204.9	2446.1	2572.6
27.5°	2586.6	2605.0	2603.5	2386.5	2114.4	1973.2	1993.1	2040.1	2229.9	2503.5	2689.5
30°	2742.5	2752.1	2736.6	2461.6	2148.2	1986.4	2015.9	2071.8	2293.1	2598.3	2861.6
32.5°	2915.3	2927.1	2897.7	2574.1	2226.9	2084.3	2149.0	2176.2	2382.1	2735.1	3044.0
35°	3113.9	3136.7	3075.7	2722.6	2458.6	2441.0	2535.1	2499.8	2571.1	2896.9	3238.9
37.5°	3322.8	3323.5	3236.0	2942.5	2913.1	2943.3	3131.5	3021.2	2972.0	3077.1	3437.5
40°	3500.0	3495.6	3361.0	3238.9	3308.8	3428.7	3655.9	3486.8	3357.3	3319.1	3602.2
42.5°	3677.2	3661.1	3525.0	3427.2	3581.6	3828.0	4084.7	3877.3	3604.4	3539.0	3764.8
45°	3903.8	3898.6	3734.6	3502.2	3828.0	4275.2	4615.7	4279.6	3750.8	3667.0	4035.4
47.5°	4269.3	4244.3	3939.1	3496.3	4058.9	4870.9	5301.1	4786.3	3853.0	3669.9	4472.3
50°	4626.7	4595.8	4183.2	3495.6	4297.2	5488.7	6110.1	5401.9	3957.5	3687.5	4916.5
52.5°	4987.8	4987.8	4584.1	3578.7	4547.3	6178.5	7044.9	6169.0	4135.4	3918.5	5462.9
55°	5202.6	5259.9	5034.9	3719.2	4840.0	6990.4	7969.3	6997.1	4410.5	4335.5	5967.4
57.5°	4929.7	5037.1	5004.7	3621.4	5012.8	7586.9	8753.3	7625.1	4546.6	4384.8	5891.7
60°	4017.0	4166.3	4240.6	3127.1	4842.2	7656.0	8917.3	7666.3	4265.6	3733.9	5046.7
62.5°	2670.4	2793.2	2906.5	2234.3	4192.1	6887.5	7887.0	6889.7	3562.5	2786.6	3496.3
65°	1309.8	1401.0	1523.1	1320.9	3275.0	5754.9	6149.1	5567.4	2577.0	1559.9	1783.5
67.5°	342.7	368.5	385.4	512.6	2346.1	4134.7	4010.4	4072.2	1655.5	509.7	466.3
70°	178.0	179.4	178.7	211.8	1585.6	2627.8	2763.8	2557.2	1155.4	213.3	183.9
72.5°	127.2	128.0	125.8	142.7	765.6	1505.5	1559.9	1543.0	605.3	126.5	125.8
75°	83.1	83.8	82.4	83.8	115.5	171.4	158.1	166.2	100.8	80.2	80.2
77.5°	49.3	50.0	49.3	50.7	49.3	49.3	45.6	45.6	43.4	43.4	44.1
80°	33.1	33.1	32.4	33.8	30.9	30.9	29.4	28.7	26.5	25.7	25.7
82.5°	19.9	20.6	19.9	19.9	18.4	18.4	16.9	16.2	14.0	14.0	13.2
85°	10.3	10.3	9.6	9.6	8.1	7.4	5.9	5.9	4.4	3.7	3.7
87.5°	1.5	1.5	0.7	0.7	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°	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9
2.5°	1762.9	1748.2	1726.1	1704.8	1684.9	1664.3	1640.8	1616.5	1595.9	1574.6	1563.6
5°	1869.5	1839.4	1782.0	1731.2	1685.7	1648.1	1607.7	1573.1	1540.8	1514.3	1501.1
7.5°	1965.9	1918.8	1832.0	1751.8	1690.1	1638.6	1582.7	1531.2	1487.8	1455.5	1443.0
10°	2054.8	1999.0	1885.0	1783.5	1711.4	1654.0	1585.6	1515.8	1458.4	1415.7	1405.4
12.5°	2126.9	2062.9	1926.9	1809.2	1723.9	1662.1	1601.8	1541.5	1484.9	1429.7	1420.9
15°	2190.9	2115.2	1958.5	1825.4	1719.5	1640.8	1590.0	1582.7	1582.7	1520.2	1502.5
17.5°	2246.1	2163.0	1984.2	1832.7	1691.5	1577.5	1546.7	1610.6	1682.7	1637.8	1598.1
20°	2309.3	2208.6	2005.6	1832.7	1640.1	1497.4	1494.4	1603.3	1709.9	1710.7	1668.7
22.5°	2373.3	2261.5	2030.6	1826.1	1569.4	1404.7	1459.1	1573.9	1668.7	1709.2	1680.5
25°	2477.0	2335.1	2070.3	1821.0	1487.1	1341.5	1427.5	1534.9	1615.0	1657.7	1639.3
27.5°	2608.6	2432.1	2130.6	1829.1	1405.4	1304.0	1393.7	1484.1	1556.9	1594.5	1581.2
30°	2755.7	2543.9	2195.3	1843.0	1346.6	1284.8	1353.2	1426.0	1490.8	1528.3	1522.4
32.5°	2943.3	2665.3	2251.2	1823.9	1313.5	1275.3	1310.6	1362.8	1425.3	1448.8	1454.0
35°	3167.6	2799.1	2293.9	1748.9	1283.4	1265.0	1264.2	1296.6	1340.7	1378.2	1381.9
37.5°	3374.2	2955.8	2340.9	1620.2	1228.9	1239.2	1209.8	1228.9	1272.3	1309.8	1324.5
40°	3578.7	3114.6	2406.4	1456.2	1157.6	1181.9	1147.3	1160.5	1195.1	1244.4	1267.9
42.5°	3777.3	3258.0	2475.5	1288.5	1086.3	1101.7	1076.0	1089.2	1125.2	1187.0	1213.5
45°	3993.5	3452.2	2529.2	1130.4	1024.5	1017.9	997.3	1016.4	1070.8	1138.5	1170.1
47.5°	4402.4	3758.1	2564.5	1025.2	991.4	943.6	920.0	961.2	1023.0	1091.4	1129.7
50°	4901.8	4200.9	2554.2	958.3	962.7	867.1	859.0	913.4	979.6	1051.0	1092.9
52.5°	5297.4	4635.5	2437.3	894.3	906.8	818.6	795.0	874.4	937.7	1010.5	1053.9
55°	5599.7	4781.9	2078.4	818.6	815.6	783.3	734.0	834.0	895.8	963.4	1010.5
57.5°	5353.3	4456.1	1540.8	714.1	696.5	713.4	665.6	765.6	844.3	911.2	953.1
60°	4442.9	3553.0	858.3	632.5	582.5	623.7	616.3	693.5	788.4	859.0	895.0
62.5°	3016.1	2365.9	508.9	500.1	472.2	531.0	570.0	620.7	714.1	771.5	805.3
65°	1503.3	1149.5	338.3	374.3	378.0	436.9	510.4	566.3	644.3	703.1	736.9
67.5°	436.1	357.4	257.4	286.1	325.8	372.9	431.7	497.9	573.7	643.5	683.2
70°	188.3	190.5	204.5	238.3	277.3	325.8	384.6	449.4	513.3	567.0	597.2
72.5°	133.1	138.3	153.7	188.3	225.0	271.4	330.2	392.7	439.1	493.5	525.1
75°	85.3	89.0	101.5	128.0	155.2	200.0	255.9	313.3	361.1	400.1	430.2
77.5°	47.1	47.8	58.1	73.5	91.9	120.6	161.8	206.7	242.0	264.0	291.2
80°	27.2	27.2	32.4	41.9	53.0	70.6	93.4	115.5	136.8	150.8	164.0
82.5°	14.7	14.7	16.9	22.8	28.7	39.0	52.2	63.2	76.5	83.8	92.7
85°	4.4	4.4	5.9	8.1	10.3	14.7	20.6	26.5	32.4	37.5	42.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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-735-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9
2.5°	1561.4	1551.1	1545.2	1537.8	1540.0	1533.4	1529.7	1531.9	1518.7	1531.9	1545.2
5°	1495.9	1481.2	1469.4	1459.9	1455.5	1446.6	1441.5	1441.5	1433.4	1446.6	1462.8
7.5°	1438.5	1426.8	1420.9	1415.0	1408.4	1400.3	1391.5	1388.5	1383.4	1397.4	1411.3
10°	1400.3	1401.8	1405.4	1413.5	1412.1	1406.9	1393.7	1386.3	1386.3	1402.5	1423.8
12.5°	1417.9	1433.4	1442.2	1456.9	1459.9	1455.5	1442.2	1436.3	1451.0	1475.3	1510.6
15°	1486.3	1496.6	1504.0	1515.8	1515.0	1511.3	1501.1	1505.5	1554.0	1601.1	1632.7
17.5°	1560.6	1548.9	1547.4	1554.7	1556.9	1552.5	1546.7	1566.5	1646.7	1690.8	1707.0
20°	1614.3	1573.9	1565.0	1568.0	1573.9	1571.7	1571.7	1604.0	1687.1	1707.7	1687.1
22.5°	1630.5	1573.1	1559.9	1560.6	1568.7	1569.4	1573.1	1607.0	1655.5	1656.2	1624.6
25°	1604.8	1549.6	1540.0	1541.5	1551.1	1550.3	1551.8	1570.9	1592.2	1583.4	1559.9
27.5°	1556.2	1508.4	1505.5	1513.6	1526.1	1519.4	1515.0	1520.2	1530.5	1519.4	1498.8
30°	1501.1	1460.6	1462.1	1477.5	1490.8	1479.7	1468.7	1471.6	1472.4	1460.6	1437.1
32.5°	1443.0	1412.8	1417.9	1434.1	1449.6	1437.8	1426.0	1424.6	1410.6	1396.6	1373.8
35°	1384.9	1373.1	1379.7	1392.9	1406.2	1396.6	1389.3	1384.9	1354.7	1334.1	1315.0
37.5°	1331.9	1340.7	1352.5	1360.6	1365.0	1364.3	1359.8	1349.6	1309.8	1285.6	1260.6
40°	1284.8	1312.0	1324.5	1328.2	1334.8	1333.4	1332.6	1317.9	1265.7	1240.0	1211.3
42.5°	1242.2	1280.4	1301.7	1305.4	1309.1	1309.8	1307.6	1286.3	1226.7	1196.6	1169.4
45°	1201.0	1251.0	1278.2	1274.5	1279.7	1279.7	1281.9	1253.9	1188.5	1157.6	1128.9
47.5°	1165.0	1223.8	1248.8	1244.4	1247.3	1249.5	1251.7	1219.4	1146.6	1117.1	1087.7
50°	1131.9	1194.4	1215.7	1217.2	1217.2	1222.3	1221.6	1190.0	1111.3	1079.6	1050.2
52.5°	1096.6	1164.2	1187.0	1196.6	1199.5	1201.7	1191.4	1154.7	1075.2	1037.0	1009.8
55°	1055.4	1133.3	1153.9	1166.4	1172.3	1170.8	1156.9	1119.4	1038.5	1000.2	969.3
57.5°	992.9	1067.1	1096.6	1102.4	1112.0	1106.1	1089.9	1058.3	979.6	941.4	909.8
60°	924.5	978.1	1001.7	1006.8	999.5	1001.7	999.5	969.3	900.9	870.8	838.4
62.5°	834.7	882.5	907.5	914.2	901.7	909.8	906.8	869.3	800.9	769.3	740.6
65°	767.1	819.3	848.7	852.4	848.7	852.4	842.1	796.5	731.8	699.4	670.0
67.5°	714.1	767.8	798.7	809.0	805.3	804.6	788.4	735.4	668.5	633.2	595.7
70°	622.9	670.0	709.7	734.7	734.7	720.7	689.9	640.6	586.9	556.7	527.3
72.5°	551.6	611.2	650.1	675.9	681.0	672.9	629.5	577.3	515.6	485.4	454.5
75°	454.5	512.6	554.5	588.4	595.0	586.2	536.1	484.7	427.3	397.9	367.0
77.5°	303.7	338.3	372.1	403.0	396.4	402.3	368.5	329.5	294.2	272.1	258.1
80°	171.4	194.2	204.5	221.4	221.4	221.4	199.3	180.9	161.1	148.6	134.6
82.5°	97.1	111.8	116.2	130.2	133.9	134.6	119.9	108.1	95.6	89.0	79.4
85°	44.9	53.0	53.7	61.8	64.7	70.6	64.0	55.9	48.5	45.6	39.7
87.5°	1.5	4.4	5.9	11.0	14.7	16.9	18.4	18.4	15.4	14.0	11.8
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9	1648.9
2.5°	1561.4	1579.0	1599.6	1614.3	1640.8	1662.9	1685.7	1710.7	1729.0	1724.6
5°	1482.7	1512.1	1549.6	1584.2	1633.4	1683.4	1738.6	1795.2	1828.3	1826.9
7.5°	1438.5	1480.5	1526.1	1572.4	1630.5	1702.6	1787.1	1875.4	1920.3	1922.5
10°	1462.1	1506.9	1537.8	1576.8	1637.8	1728.3	1829.8	1935.7	1987.2	1997.5
12.5°	1536.4	1532.7	1530.5	1558.4	1632.0	1746.7	1871.0	1997.5	2055.6	2068.1
15°	1607.0	1531.2	1485.6	1504.7	1605.5	1758.5	1911.4	2065.1	2130.6	2143.8
17.5°	1620.2	1505.5	1420.9	1434.1	1563.6	1762.1	1950.4	2131.3	2201.9	2214.4
20°	1583.4	1472.4	1373.8	1355.4	1510.6	1752.6	1974.7	2186.5	2263.7	2277.0
22.5°	1537.1	1443.0	1338.5	1290.7	1445.9	1743.0	2001.9	2244.6	2333.6	2345.3
25°	1488.6	1405.4	1305.4	1232.6	1372.3	1737.1	2047.5	2321.1	2428.5	2442.4
27.5°	1437.1	1359.8	1276.7	1204.7	1304.7	1744.5	2112.2	2444.6	2566.7	2586.6
30°	1381.9	1314.2	1258.4	1195.1	1258.4	1751.1	2183.6	2571.1	2714.5	2742.5
32.5°	1324.5	1272.3	1239.2	1199.5	1229.7	1735.7	2246.1	2713.1	2891.1	2915.3
35°	1267.2	1229.7	1215.0	1207.6	1191.4	1679.0	2296.8	2856.5	3092.6	3113.9
37.5°	1213.5	1185.5	1181.1	1189.2	1132.6	1586.4	2355.6	3038.9	3290.4	3322.8
40°	1163.5	1137.7	1137.0	1135.5	1067.9	1459.9	2435.1	3224.2	3485.3	3500.0
42.5°	1117.1	1084.8	1090.7	1073.0	1014.9	1323.1	2510.1	3382.3	3667.0	3677.2
45°	1076.0	1033.3	1039.9	1017.9	989.9	1179.7	2576.3	3569.1	3897.1	3903.8
47.5°	1036.2	990.7	972.3	970.8	985.5	1047.3	2641.0	3928.8	4257.5	4269.3
50°	999.5	950.2	898.0	930.3	958.3	948.0	2721.9	4314.1	4629.7	4626.7
52.5°	964.2	899.5	825.2	887.7	887.7	874.4	2699.1	4548.0	4937.1	4987.8
55°	923.7	817.8	749.4	816.3	784.0	808.3	2295.3	4624.5	5130.5	5202.6
57.5°	843.6	717.1	657.5	693.5	645.0	749.4	1648.9	4245.0	4801.8	4929.7
60°	766.3	642.8	603.8	597.2	533.9	611.2	1068.6	3323.5	3952.3	4017.0
62.5°	675.9	578.8	545.7	495.0	429.5	444.9	647.2	2187.2	2655.7	2670.4
65°	607.5	524.4	461.1	400.8	351.5	322.9	382.4	1054.6	1327.5	1309.8
67.5°	521.4	449.4	389.1	345.7	305.2	269.2	254.5	313.3	354.5	342.7
70°	464.1	394.9	336.8	295.7	258.1	222.1	196.4	184.6	180.9	178.0
72.5°	400.1	339.8	279.5	239.8	204.5	171.4	147.8	133.9	130.2	127.2
75°	319.2	262.6	207.4	169.9	139.0	115.5	100.0	88.3	86.0	83.1
77.5°	211.1	168.4	123.6	100.8	82.4	69.9	59.6	52.2	50.7	49.3
80°	116.2	97.1	75.8	61.0	49.3	42.7	39.0	34.6	33.8	33.1
82.5°	69.1	58.1	43.4	34.6	28.7	25.7	23.5	21.3	20.6	19.9
85°	34.6	27.2	19.1	16.2	14.7	13.2	13.2	11.0	10.3	10.3
87.5°	8.8	7.4	4.4	3.7	3.7	3.7	2.9	2.2	2.2	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)