

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: P638043

Luminaire Tested: GWS-SA4E-722-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P638043  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4E-722-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

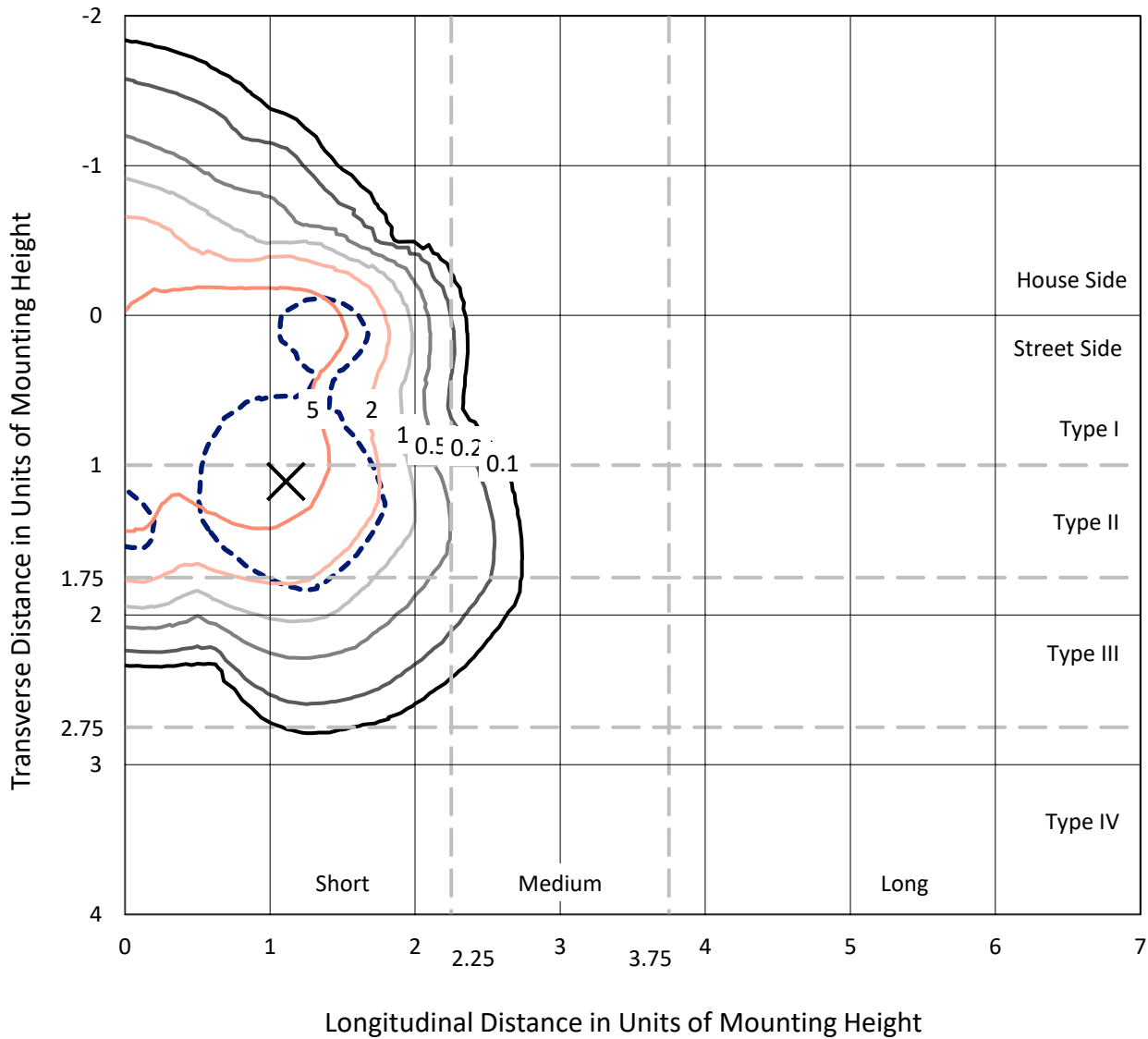
Lumens per Lamp: N/A  
Luminaire Lumens: 12025.9 lumens  
Efficiency: N/A  
Efficacy: 59.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 202.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P638043  
 CATALOG NUMBER: GWS-SA4E-722-U-SLR-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

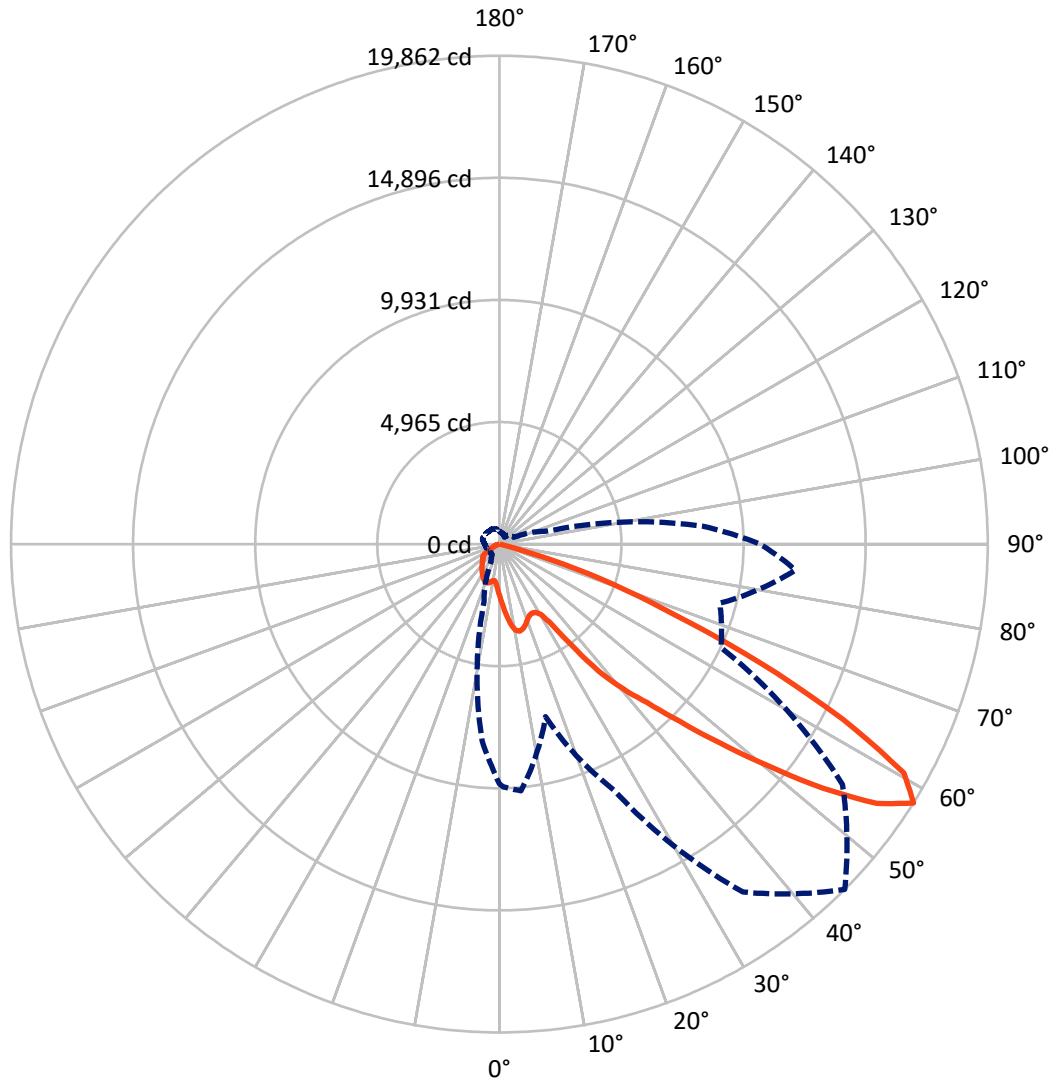
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.4 fc  
 Type III - Short - N/A

REPORT NUMBER: P638043  
CATALOG NUMBER: GWS-SA4E-722-U-SLR-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P638043  
 CATALOG NUMBER: GWS-SA4E-722-U-SLR-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2692.9	0.0	2692.9
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	9333.0	0.0	9333.0
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	12025.9	0.0	12025.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.9	1.7
10°-20°	672.7	5.6
20°-30°	1092.7	9.1
30°-40°	1688.4	14.0
40°-50°	2707.3	22.5
50°-60°	3700.2	30.8
60°-70°	1792.1	14.9
70°-80°	164.1	1.4
80°-90°	0.5	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°	12025.9	100.0
0°-180°	12025.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P638043

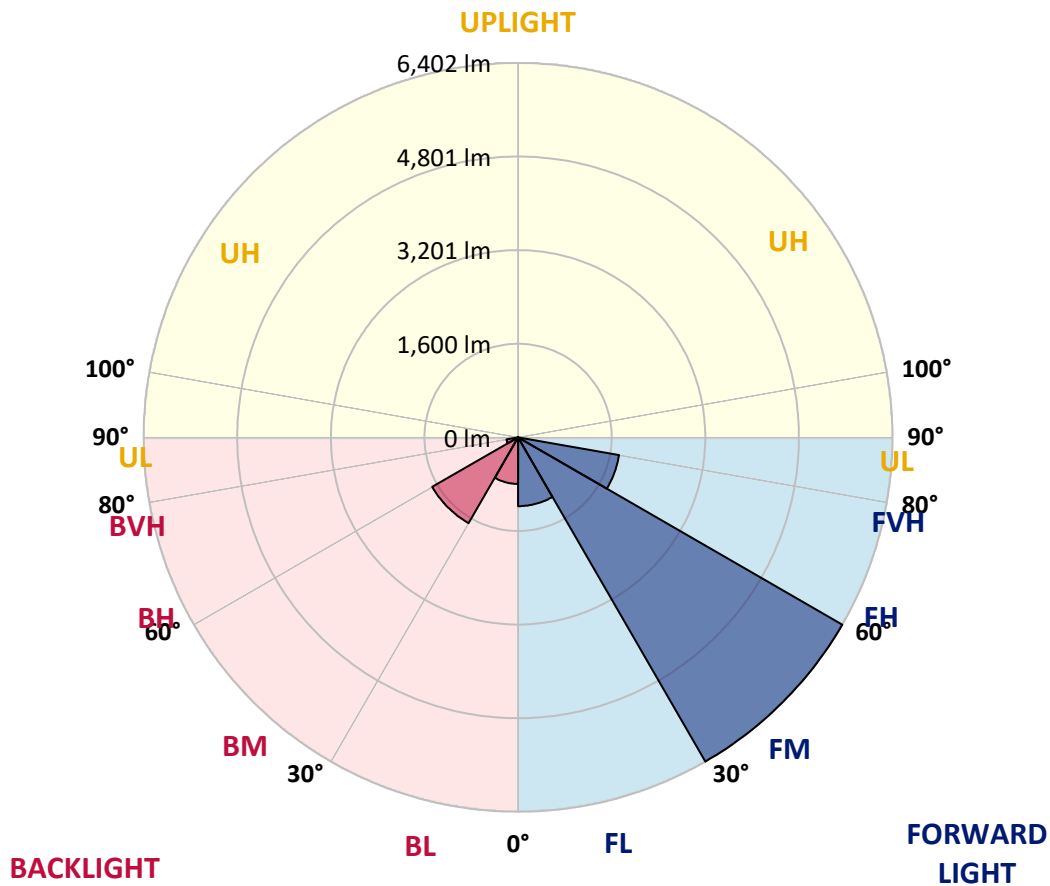
CATALOG NUMBER: GWS-SA4E-722-U-SLR-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1176.5	9.8			
FM (30°-60°)	6401.7	53.2			
FH (60°-80°)	1754.3	14.6			G1/1800
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	796.8	6.6	B2/1000		
BM (30°-60°)	1694.3	14.1	B2/2500		
BH (60°-80°)	201.8	1.7	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





REPORT NUMBER: P638043

CATALOG NUMBER: GWS-SA4E-722-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7
2.5°	2289.8	2304.4	2328.6	2380.3	2423.9	2453.0	2466.0	2462.7	2445.0	2432.0	2406.2
5°	2535.4	2535.4	2582.3	2700.3	2790.8	2847.3	2876.4	2858.6	2823.1	2766.5	2679.3
7.5°	2750.4	2758.5	2837.6	3005.7	3143.1	3223.8	3270.7	3261.0	3198.0	3089.7	2915.2
10°	2918.4	2928.1	3033.2	3238.4	3400.0	3482.4	3551.9	3558.4	3488.9	3345.0	3144.7
12.5°	3081.6	3091.3	3201.2	3398.4	3540.6	3574.5	3635.9	3660.2	3642.4	3540.6	3332.1
15°	3257.8	3280.4	3374.1	3521.2	3581.0	3540.6	3581.0	3624.6	3684.4	3674.7	3487.3
17.5°	3430.7	3446.9	3542.2	3593.9	3527.6	3422.6	3442.0	3493.7	3629.5	3762.0	3640.8
20°	3590.7	3613.3	3692.5	3624.6	3424.2	3261.0	3262.6	3330.5	3537.3	3815.3	3797.5
22.5°	3758.7	3792.7	3849.2	3658.5	3328.9	3133.4	3141.4	3202.8	3464.6	3865.4	3975.3
25°	3978.5	4010.8	4048.0	3742.6	3298.2	3070.3	3101.0	3157.6	3464.6	3951.0	4195.0
27.5°	4275.8	4298.5	4300.1	3899.3	3351.5	3080.0	3144.7	3209.3	3568.0	4122.3	4489.1
30°	4649.1	4684.7	4637.8	4143.3	3518.0	3209.3	3304.6	3385.4	3791.1	4411.6	4922.2
32.5°	5103.2	5153.3	5090.3	4505.3	3865.4	3655.3	3828.2	3875.1	4146.6	4830.1	5413.5
35°	5636.5	5678.5	5610.6	5006.3	4676.6	4715.4	5028.9	4969.1	4860.8	5345.6	5987.1
37.5°	6221.5	6260.2	6129.4	5765.8	5875.6	6043.7	6544.7	6339.4	5990.4	6009.8	6609.3
40°	6758.0	6800.0	6594.7	6591.5	6817.8	7124.8	7729.2	7446.4	6971.3	6879.2	7192.7
42.5°	7313.9	7342.9	7157.1	7031.1	7544.9	8176.8	8816.7	8435.3	7620.9	7520.7	7923.1
45°	8107.3	8168.7	7837.4	7247.6	8199.4	9387.1	10279.1	9534.2	8063.7	7982.9	9041.3
47.5°	9274.0	9319.3	8643.8	7383.3	8808.6	10894.8	12106.8	10959.5	8453.1	8268.9	10570.0
50°	10238.7	10269.5	9385.5	7532.0	9456.6	12520.5	14189.8	12649.8	8891.0	8742.4	11996.9
52.5°	10949.8	11066.1	10359.9	7837.4	10308.2	14432.2	16495.8	14651.9	9574.6	9657.0	13179.8
55°	11096.8	11255.2	11025.7	8024.9	11058.0	16379.4	18625.6	16444.1	10256.5	10350.2	13577.3
57.5°	9752.3	9878.4	10069.1	7268.6	11040.3	17271.4	19861.8	17038.7	9946.3	9282.1	12089.0
60°	7305.8	7393.0	7738.9	5555.7	10153.1	16482.8	18898.7	16027.1	8697.1	7082.8	9211.0
62.5°	4332.4	4371.2	4809.1	3598.8	8427.3	14194.6	15673.2	13829.4	6872.7	4763.9	5641.3
65°	1662.8	1646.7	1981.2	1775.9	6197.2	11306.9	11657.6	10542.5	4715.4	2183.2	2150.8
67.5°	256.9	245.6	331.3	525.2	4469.8	7835.8	7692.0	7598.3	2954.0	509.0	444.4
70°	58.2	58.2	71.1	155.1	2731.0	4603.9	4927.1	4697.6	1890.7	108.3	58.2
72.5°	27.5	27.5	33.9	66.3	989.0	1897.1	2210.6	2176.7	614.1	35.6	21.0
75°	9.7	11.3	11.3	14.5	59.8	98.6	226.2	161.6	38.8	0.0	0.0
77.5°	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.6	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: P638043

CATALOG NUMBER: GWS-SA4E-722-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7
2.5°	2349.6	2338.3	2296.3	2239.7	2184.8	2136.3	2086.2	2026.4	1982.8	1932.7	1916.5
5°	2611.4	2540.3	2425.6	2306.0	2196.1	2102.4	2011.9	1914.9	1843.8	1772.7	1748.5
7.5°	2832.8	2727.7	2541.9	2362.5	2212.3	2079.7	1948.9	1816.3	1712.9	1628.9	1603.0
10°	3031.5	2910.4	2661.5	2440.1	2251.0	2097.5	1939.2	1772.7	1638.6	1538.4	1514.2
12.5°	3202.8	3062.3	2763.3	2498.3	2267.2	2091.1	1937.5	1805.0	1683.8	1569.1	1538.4
15°	3346.7	3191.5	2848.9	2537.1	2243.0	2010.3	1876.1	1855.1	1845.4	1719.4	1659.6
17.5°	3487.3	3312.7	2918.4	2554.8	2175.1	1868.1	1771.1	1866.4	1968.2	1885.8	1809.9
20°	3634.3	3435.5	2989.5	2558.1	2062.0	1708.1	1691.9	1842.2	1971.5	1945.6	1874.5
22.5°	3807.2	3589.1	3078.4	2556.5	1919.8	1572.3	1633.7	1795.3	1900.4	1898.8	1842.2
25°	4057.7	3783.0	3198.0	2566.2	1764.6	1467.3	1569.1	1716.2	1801.8	1798.6	1751.7
27.5°	4325.9	4014.1	3353.1	2590.4	1632.1	1405.9	1493.2	1607.9	1682.2	1679.0	1638.6
30°	4702.5	4280.7	3501.8	2592.0	1536.8	1373.6	1409.1	1488.3	1559.4	1551.3	1520.6
32.5°	5159.8	4581.3	3626.2	2499.9	1477.0	1342.9	1321.9	1362.3	1417.2	1405.9	1397.8
35°	5712.4	4938.4	3732.9	2297.9	1384.9	1281.5	1224.9	1233.0	1271.8	1278.2	1275.0
37.5°	6342.7	5363.4	3865.4	2031.3	1260.5	1192.6	1116.6	1110.2	1132.8	1153.8	1170.0
40°	6964.8	5841.7	4044.8	1761.4	1147.3	1079.5	1006.7	990.6	1000.3	1037.4	1071.4
42.5°	7664.5	6396.0	4238.7	1530.3	1069.8	955.0	885.5	854.8	882.3	942.1	982.5
45°	8672.9	7173.3	4427.7	1346.1	1037.4	845.1	751.4	748.2	778.9	856.5	901.7
47.5°	10088.5	8178.4	4552.2	1202.3	1035.8	759.5	648.0	667.4	702.9	778.9	830.6
50°	11468.5	9437.2	4414.8	1092.4	1001.9	702.9	570.4	609.2	644.8	711.0	764.4
52.5°	12300.7	10114.3	3879.9	989.0	896.9	677.1	494.5	562.4	568.8	628.6	685.2
55°	12213.5	9676.4	2971.8	829.0	741.7	639.9	415.3	507.4	510.6	555.9	604.4
57.5°	10600.7	8307.7	2041.0	672.2	557.5	528.4	342.6	428.2	458.9	486.4	522.0
60°	7900.4	6061.5	909.8	546.2	353.9	357.1	292.5	323.2	370.1	402.4	433.1
62.5°	4655.6	3487.3	370.1	328.0	195.5	224.6	235.9	235.9	265.0	289.3	308.6
65°	1759.8	1220.1	150.3	164.8	101.8	105.0	139.0	171.3	193.9	214.9	240.8
67.5°	308.6	213.3	77.6	61.4	59.8	53.3	71.1	111.5	124.4	140.6	151.9
70°	51.7	43.6	32.3	30.7	27.5	29.1	46.9	79.2	87.3	92.1	97.0
72.5°	14.5	12.9	9.7	8.1	6.5	8.1	29.1	61.4	64.6	67.9	72.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	11.3	43.6	46.9	48.5	53.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	12.9	16.2	12.9
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: P638043

CATALOG NUMBER: GWS-SA4E-722-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7
2.5°	1906.8	1874.5	1856.7	1847.0	1847.0	1834.1	1819.6	1814.7	1835.7	1835.7	1871.3
5°	1717.8	1691.9	1662.8	1645.1	1617.6	1622.4	1606.3	1604.7	1625.7	1635.4	1672.5
7.5°	1586.9	1554.6	1536.8	1525.5	1510.9	1504.5	1489.9	1485.1	1496.4	1512.5	1548.1
10°	1499.6	1494.8	1493.2	1501.2	1501.2	1493.2	1480.2	1472.1	1475.4	1506.1	1546.5
12.5°	1522.2	1531.9	1535.2	1548.1	1554.6	1548.1	1538.4	1541.6	1562.6	1619.2	1679.0
15°	1620.8	1612.7	1609.5	1616.0	1620.8	1614.3	1611.1	1635.4	1708.1	1788.9	1856.7
17.5°	1725.8	1674.1	1651.5	1651.5	1654.7	1651.5	1654.7	1701.6	1819.6	1900.4	1950.5
20°	1779.2	1683.8	1648.3	1640.2	1646.7	1648.3	1659.6	1712.9	1842.2	1898.8	1910.1
22.5°	1763.0	1643.4	1603.0	1596.6	1603.0	1609.5	1620.8	1666.1	1787.3	1816.3	1811.5
25°	1682.2	1564.3	1531.9	1531.9	1546.5	1544.9	1549.7	1582.0	1682.2	1700.0	1691.9
27.5°	1580.4	1468.9	1441.4	1457.6	1470.5	1467.3	1468.9	1496.4	1570.7	1575.6	1567.5
30°	1477.0	1380.0	1354.2	1373.6	1391.3	1388.1	1389.7	1417.2	1464.1	1459.2	1447.9
32.5°	1372.0	1300.9	1281.5	1292.8	1320.2	1317.0	1323.5	1352.6	1370.3	1349.3	1336.4
35°	1275.0	1237.8	1223.3	1229.7	1250.8	1255.6	1266.9	1286.3	1286.3	1260.5	1237.8
37.5°	1184.5	1179.7	1170.0	1161.9	1181.3	1195.8	1212.0	1234.6	1202.3	1165.1	1144.1
40°	1100.5	1121.5	1108.6	1087.5	1098.9	1119.9	1152.2	1170.0	1131.2	1094.0	1058.5
42.5°	1022.9	1058.5	1053.6	1027.8	1037.4	1056.8	1094.0	1108.6	1063.3	1021.3	987.4
45°	948.6	998.7	1001.9	969.6	979.3	998.7	1042.3	1047.1	989.0	943.7	919.5
47.5°	883.9	938.9	940.5	916.3	919.5	947.0	987.4	989.0	922.7	880.7	850.0
50°	822.5	885.5	890.4	869.4	872.6	904.9	938.9	932.4	861.3	817.7	790.2
52.5°	748.2	833.8	845.1	835.5	848.4	874.2	895.2	872.6	790.2	746.6	722.3
55°	667.4	778.9	803.1	796.7	811.2	832.2	837.1	822.5	719.1	675.5	652.8
57.5°	573.7	641.5	683.6	670.6	681.9	702.9	717.5	706.2	628.6	594.7	575.3
60°	475.1	520.3	530.0	509.0	499.3	536.5	570.4	555.9	489.6	468.6	446.0
62.5°	347.4	399.1	405.6	378.1	366.8	407.2	436.3	421.8	349.0	326.4	308.6
65°	277.9	326.4	339.4	313.5	307.0	337.7	355.5	320.0	268.3	244.0	224.6
67.5°	182.6	221.4	255.3	253.7	240.8	250.5	237.5	208.5	171.3	158.4	145.4
70°	113.1	135.7	156.7	164.8	163.2	160.0	142.2	121.2	109.9	105.0	98.6
72.5°	87.3	109.9	126.0	130.9	132.5	127.7	113.1	93.7	82.4	76.0	71.1
75°	64.6	82.4	95.3	101.8	105.0	101.8	87.3	74.3	63.0	58.2	53.3
77.5°	22.6	27.5	33.9	37.2	35.6	33.9	30.7	30.7	24.2	22.6	19.4
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: P638043  
 CATALOG NUMBER: GWS-SA4E-722-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7	2113.7
2.5°	1911.7	1940.8	1994.1	2042.6	2094.3	2147.6	2205.8	2265.6	2293.1	2289.8
5°	1729.1	1792.1	1879.4	1974.7	2081.4	2196.1	2323.8	2454.6	2511.2	2535.4
7.5°	1614.3	1703.2	1818.0	1939.2	2079.7	2243.0	2435.3	2640.5	2722.9	2750.4
10°	1628.9	1732.3	1827.7	1945.6	2095.9	2307.6	2546.8	2790.8	2887.7	2918.4
12.5°	1746.9	1769.5	1795.3	1892.3	2081.4	2356.1	2648.6	2939.4	3050.9	3081.6
15°	1853.5	1748.5	1700.0	1788.9	2029.7	2390.0	2752.0	3099.4	3222.2	3257.8
17.5°	1858.4	1700.0	1591.7	1661.2	1945.6	2404.6	2853.8	3262.6	3396.8	3430.7
20°	1798.6	1646.7	1507.7	1509.3	1830.9	2401.3	2937.8	3409.7	3560.0	3590.7
22.5°	1711.3	1583.6	1439.8	1389.7	1708.1	2394.9	3029.9	3566.4	3729.6	3758.7
25°	1614.3	1502.8	1375.2	1299.2	1585.3	2401.3	3159.2	3771.7	3951.0	3978.5
27.5°	1509.3	1414.0	1325.1	1263.7	1481.8	2425.6	3314.3	4033.4	4246.8	4275.8
30°	1399.4	1328.3	1292.8	1255.6	1417.2	2432.0	3482.4	4338.9	4608.7	4649.1
32.5°	1291.2	1252.4	1254.0	1260.5	1355.8	2386.8	3635.9	4678.2	5038.6	5103.2
35°	1191.0	1179.7	1212.0	1244.3	1266.9	2270.4	3770.0	5079.0	5570.2	5636.5
37.5°	1105.3	1115.0	1155.4	1187.7	1170.0	2105.6	3947.8	5579.9	6164.9	6221.5
40°	1022.9	1047.1	1094.0	1108.6	1095.6	1913.3	4161.1	6063.1	6680.4	6758.0
42.5°	947.0	964.7	1031.0	1034.2	1074.6	1717.8	4366.3	6583.4	7273.5	7313.9
45°	885.5	882.3	950.2	971.2	1102.1	1501.2	4566.7	7276.7	8049.1	8107.3
47.5°	825.8	822.5	838.7	934.0	1113.4	1300.9	4765.5	8291.5	9173.8	9274.0
50°	769.2	774.0	724.0	916.3	1052.0	1147.3	4856.0	9230.4	10196.7	10238.7
52.5°	719.1	701.3	614.1	858.1	921.1	1001.9	4599.0	9657.0	10830.2	10949.8
55°	648.0	549.4	505.8	696.5	727.2	874.2	3766.8	9409.8	10885.1	11096.8
57.5°	554.3	431.5	429.8	513.9	513.9	811.2	2412.6	8039.4	9380.7	9752.3
60°	426.6	334.5	355.5	357.1	329.7	591.4	1354.2	5823.9	6935.7	7305.8
62.5°	303.8	255.3	268.3	213.3	189.1	295.7	649.6	3353.1	4280.7	4332.4
65°	203.6	172.9	140.6	118.0	116.3	126.0	268.3	1212.0	1473.8	1662.8
67.5°	134.1	105.0	74.3	74.3	84.0	84.0	101.8	200.4	281.2	256.9
70°	87.3	72.7	46.9	45.2	54.9	54.9	51.7	54.9	58.2	58.2
72.5°	64.6	54.9	27.5	24.2	30.7	32.3	29.1	27.5	27.5	27.5
75°	48.5	38.8	16.2	11.3	14.5	19.4	16.2	11.3	11.3	9.7
77.5°	19.4	14.5	6.5	4.8	8.1	11.3	9.7	4.8	3.2	3.2
80°	1.6	3.2	3.2	3.2	4.8	6.5	8.1	3.2	1.6	1.6
82.5°	0.0	1.6	1.6	1.6	3.2	4.8	6.5	3.2	1.6	1.6
85°	0.0	0.0	0.0	0.0	3.2	4.8	3.2	1.6	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.6	4.8	3.2	1.6	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)