

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: P638538

Luminaire Tested: GWS-SA4F-722-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P638538  
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-SA4F-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**

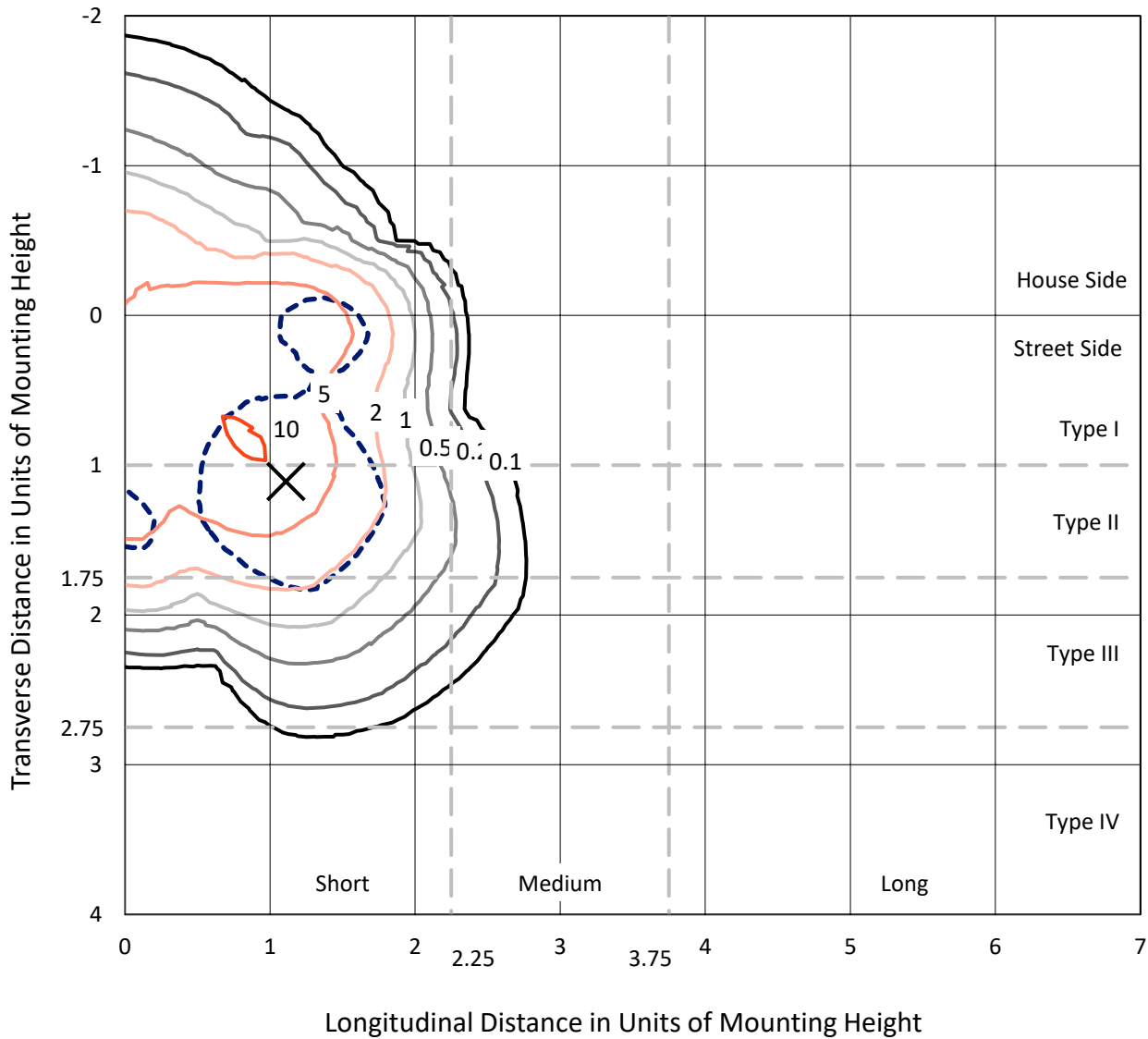
Lumens per Lamp: N/A  
Luminaire Lumens: 13370.7 lumens  
Efficiency: N/A  
Efficacy: 59.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 225.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P638538  
 CATALOG NUMBER: GWS-SA4F-722-U-SLR-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

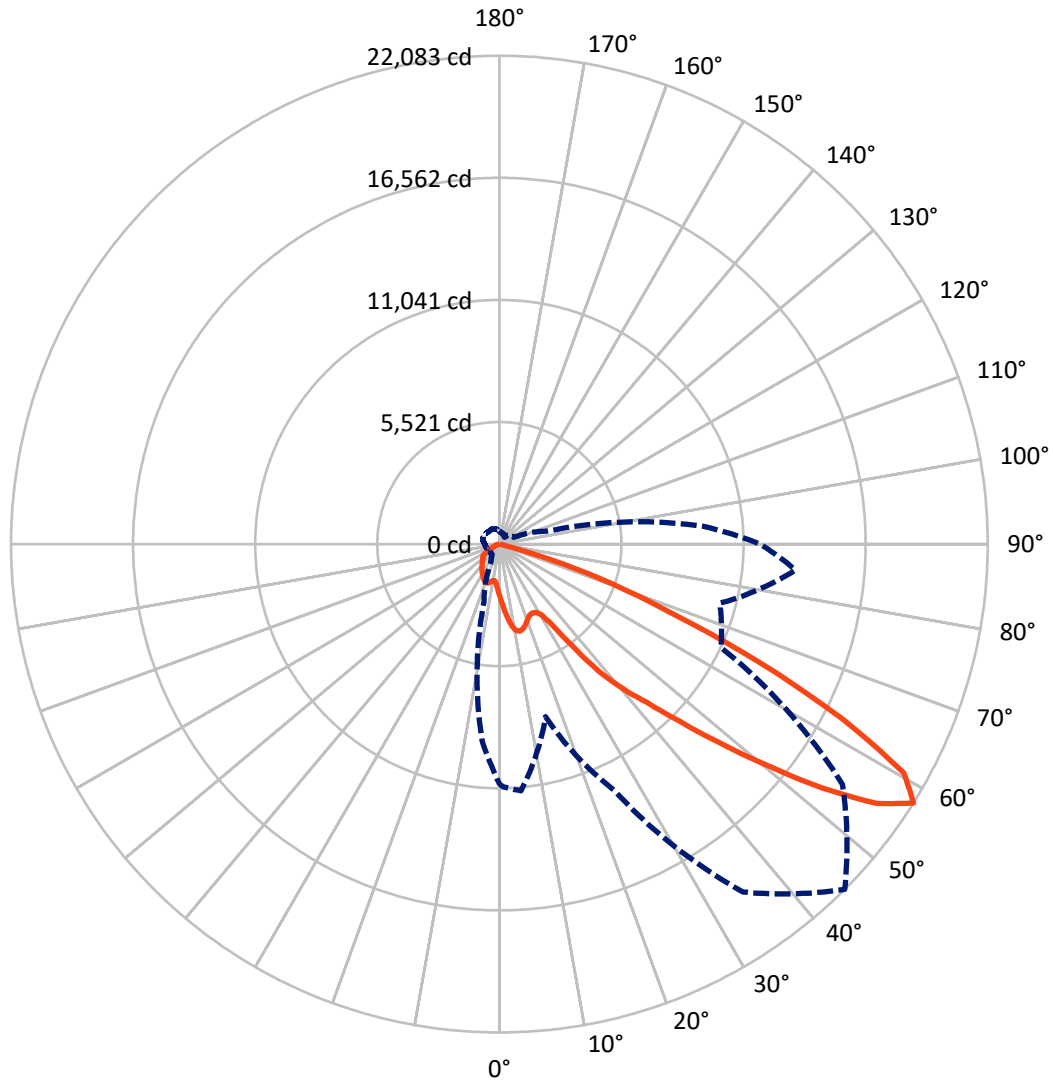
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.5 fc  
 Type III - Short - N/A

REPORT NUMBER: P638538  
CATALOG NUMBER: GWS-SA4F-722-U-SLR-W-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P638538  
 CATALOG NUMBER: GWS-SA4F-722-U-SLR-W-GRSBK

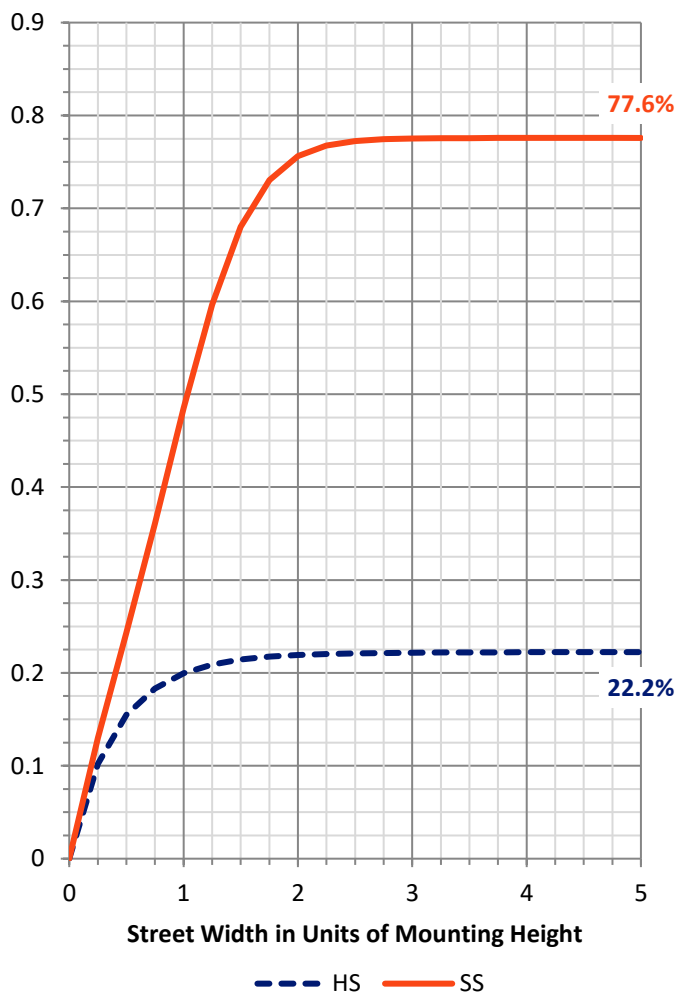
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2994.1	0.0	2994.1
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	10376.6	0.0	10376.6
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	13370.7	0.0	13370.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.2	1.7
10°-20°	747.9	5.6
20°-30°	1214.9	9.1
30°-40°	1877.2	14.0
40°-50°	3010.1	22.5
50°-60°	4114.0	30.8
60°-70°	1992.5	14.9
70°-80°	182.4	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°	13370.7	100.0
0°-180°	13370.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P638538

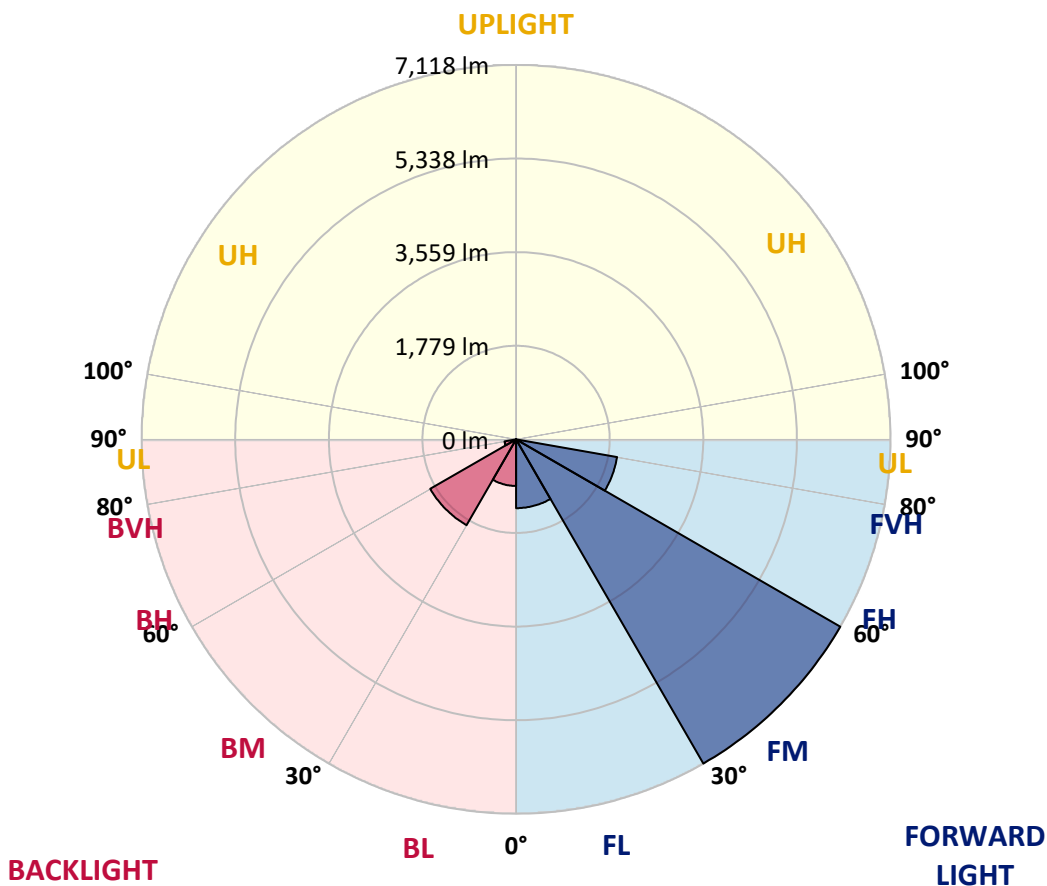
CATALOG NUMBER: GWS-SA4F-722-U-SLR-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1308.1	9.8			
FM (30°-60°)	7117.5	53.2			
FH (60°-80°)	1950.5	14.6			G2/5000
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	885.9	6.6	B2/1000		
BM (30°-60°)	1883.7	14.1	B2/2500		
BH (60°-80°)	224.4	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-G2**

Type III Short





REPORT NUMBER: P638538

CATALOG NUMBER: GWS-SA4F-722-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0
2.5°	2545.9	2562.1	2589.0	2646.5	2695.0	2727.3	2741.7	2738.1	2718.4	2704.0	2675.2
5°	2819.0	2819.0	2871.1	3002.2	3102.8	3165.7	3198.1	3178.3	3138.8	3075.9	2978.9
7.5°	3057.9	3066.9	3155.0	3341.8	3494.5	3584.4	3636.5	3625.7	3555.6	3435.2	3241.2
10°	3244.8	3255.6	3372.3	3600.5	3780.2	3871.8	3949.1	3956.3	3879.0	3719.1	3496.3
12.5°	3426.2	3437.0	3559.2	3778.4	3936.5	3974.2	4042.5	4069.5	4049.7	3936.5	3704.7
15°	3622.1	3647.2	3751.4	3914.9	3981.4	3936.5	3981.4	4029.9	4096.4	4085.6	3877.2
17.5°	3814.3	3832.3	3938.3	3995.8	3922.1	3805.3	3826.9	3884.4	4035.3	4182.6	4047.9
20°	3992.2	4017.4	4105.4	4029.9	3807.1	3625.7	3627.5	3702.9	3932.9	4241.9	4222.2
22.5°	4179.1	4216.8	4279.7	4067.7	3701.1	3483.7	3492.7	3561.0	3852.1	4297.6	4419.8
25°	4423.4	4459.3	4500.7	4161.1	3667.0	3413.7	3447.8	3510.7	3852.1	4392.9	4664.2
27.5°	4754.0	4779.1	4780.9	4335.4	3726.3	3424.5	3496.3	3568.2	3967.0	4583.3	4991.1
30°	5169.0	5208.5	5156.4	4606.7	3911.4	3568.2	3674.2	3764.0	4215.0	4904.9	5472.7
32.5°	5673.9	5729.6	5659.5	5009.1	4297.6	4064.1	4256.3	4308.4	4610.3	5370.2	6018.8
35°	6266.8	6313.5	6238.0	5566.1	5199.6	5242.7	5591.2	5524.8	5404.4	5943.4	6656.7
37.5°	6917.2	6960.3	6814.8	6410.5	6532.7	6719.5	7276.5	7048.3	6660.3	6681.8	7348.4
40°	7513.7	7560.4	7332.2	7328.6	7580.1	7921.5	8593.5	8279.1	7750.8	7648.4	7997.0
42.5°	8131.7	8164.1	7957.5	7817.3	8388.7	9091.1	9802.6	9378.6	8473.1	8361.7	8809.1
45°	9013.9	9082.2	8713.8	8058.1	9116.3	10436.9	11428.6	10600.4	8965.4	8875.5	10052.4
47.5°	10311.1	10361.4	9610.4	8209.0	9793.6	12113.1	13460.6	12185.0	9398.4	9193.6	11752.0
50°	11383.7	11417.8	10435.1	8374.3	10514.1	13920.6	15776.6	14064.3	9885.3	9720.0	13338.5
52.5°	12174.2	12303.6	11518.4	8713.8	11461.0	16046.1	18340.4	16290.4	10645.3	10736.9	14653.6
55°	12337.7	12513.8	12258.7	8922.3	12294.6	18211.0	20708.4	18282.9	11403.5	11507.7	15095.6
57.5°	10842.9	10983.0	11195.0	8081.4	12274.8	19202.8	22082.9	18944.1	11058.5	10320.1	13440.9
60°	8122.7	8219.8	8604.3	6177.0	11288.5	18326.0	21012.1	17819.4	9669.7	7874.8	10241.0
62.5°	4816.9	4860.0	5346.9	4001.2	9369.6	15781.9	17425.9	15375.9	7641.2	5296.6	6272.2
65°	1848.8	1830.8	2202.7	1974.5	6890.2	12571.3	12961.2	11721.5	5242.7	2427.3	2391.4
67.5°	285.7	273.1	368.3	583.9	4969.6	8712.1	8552.1	8447.9	3284.3	566.0	494.1
70°	64.7	64.7	79.1	172.5	3036.4	5118.7	5478.0	5222.9	2102.1	120.4	64.7
72.5°	30.5	30.5	37.7	73.7	1099.6	2109.3	2457.8	2420.1	682.7	39.5	23.4
75°	10.8	12.6	12.6	16.2	66.5	109.6	251.5	179.7	43.1	0.0	0.0
77.5°	3.6	3.6	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.8	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: P638538

CATALOG NUMBER: GWS-SA4F-722-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0
2.5°	2612.4	2599.8	2553.1	2490.2	2429.1	2375.2	2319.5	2253.0	2204.5	2148.8	2130.9
5°	2903.4	2824.4	2696.8	2563.8	2441.7	2337.5	2236.9	2129.1	2050.0	1970.9	1944.0
7.5°	3149.6	3032.8	2826.2	2626.7	2459.6	2312.3	2166.8	2019.5	1904.5	1811.0	1782.3
10°	3370.6	3235.8	2959.1	2713.0	2502.8	2332.1	2156.0	1970.9	1821.8	1710.4	1683.5
12.5°	3561.0	3404.7	3072.3	2777.7	2520.7	2324.9	2154.2	2006.9	1872.1	1744.6	1710.4
15°	3720.9	3548.4	3167.5	2820.8	2493.8	2235.1	2085.9	2062.6	2051.8	1911.7	1845.2
17.5°	3877.2	3683.2	3244.8	2840.5	2418.3	2077.0	1969.2	2075.2	2188.3	2096.7	2012.3
20°	4040.7	3819.7	3323.8	2844.1	2292.6	1899.1	1881.1	2048.2	2191.9	2163.2	2084.1
22.5°	4233.0	3990.4	3422.7	2842.3	2134.4	1748.2	1816.4	1996.1	2112.9	2111.1	2048.2
25°	4511.4	4206.0	3555.6	2853.1	1962.0	1631.4	1744.6	1908.1	2003.3	1999.7	1947.6
27.5°	4809.7	4462.9	3728.1	2880.1	1814.6	1563.1	1660.1	1787.7	1870.3	1866.7	1821.8
30°	5228.3	4759.4	3893.4	2881.9	1708.6	1527.2	1566.7	1654.7	1733.8	1724.8	1690.7
32.5°	5736.8	5093.6	4031.7	2779.4	1642.2	1493.0	1469.7	1514.6	1575.7	1563.1	1554.1
35°	6351.2	5490.6	4150.3	2554.9	1539.7	1424.8	1361.9	1370.9	1414.0	1421.2	1417.6
37.5°	7051.9	5963.1	4297.6	2258.4	1401.4	1325.9	1241.5	1234.3	1259.5	1282.8	1300.8
40°	7743.6	6495.0	4497.1	1958.4	1275.6	1200.2	1119.3	1101.4	1112.1	1153.5	1191.2
42.5°	8521.6	7111.2	4712.7	1701.4	1189.4	1061.8	984.6	950.4	981.0	1047.5	1092.4
45°	9642.7	7975.4	4922.9	1496.6	1153.5	939.7	835.5	831.9	866.0	952.2	1002.5
47.5°	11216.6	9092.9	5061.2	1336.7	1151.7	844.4	720.5	742.0	781.6	866.0	923.5
50°	12751.0	10492.6	4908.5	1214.5	1113.9	781.6	634.2	677.3	716.9	790.5	849.8
52.5°	13676.3	11245.4	4313.8	1099.6	997.2	752.8	549.8	625.2	632.4	698.9	761.8
55°	13579.2	10758.5	3304.1	921.7	824.7	711.5	461.7	564.2	567.7	618.1	672.0
57.5°	11786.2	9236.7	2269.2	747.4	619.9	587.5	380.9	476.1	510.3	540.8	580.3
60°	8783.9	6739.3	1011.5	607.3	393.5	397.1	325.2	359.3	411.4	447.4	481.5
62.5°	5176.2	3877.2	411.4	364.7	217.4	249.7	262.3	262.3	294.7	321.6	343.2
65°	1956.6	1356.5	167.1	183.3	113.2	116.8	154.5	190.4	215.6	239.0	267.7
67.5°	343.2	237.2	86.2	68.3	66.5	59.3	79.1	124.0	138.3	156.3	168.9
70°	57.5	48.5	35.9	34.1	30.5	32.3	52.1	88.0	97.0	102.4	107.8
72.5°	16.2	14.4	10.8	9.0	7.2	9.0	32.3	68.3	71.9	75.5	80.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	12.6	48.5	52.1	53.9	59.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	14.4	18.0	14.4
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: P638538

CATALOG NUMBER: GWS-SA4F-722-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0
2.5°	2120.1	2084.1	2064.4	2053.6	2053.6	2039.2	2023.1	2017.7	2041.0	2041.0	2080.5
5°	1909.9	1881.1	1848.8	1829.0	1798.5	1803.9	1785.9	1784.1	1807.4	1818.2	1859.6
7.5°	1764.3	1728.4	1708.6	1696.1	1679.9	1672.7	1656.5	1651.1	1663.7	1681.7	1721.2
10°	1667.3	1661.9	1660.1	1669.1	1669.1	1660.1	1645.7	1636.8	1640.4	1674.5	1719.4
12.5°	1692.5	1703.2	1706.8	1721.2	1728.4	1721.2	1710.4	1714.0	1737.4	1800.3	1866.7
15°	1802.1	1793.1	1789.5	1796.7	1802.1	1794.9	1791.3	1818.2	1899.1	1988.9	2064.4
17.5°	1918.8	1861.3	1836.2	1836.2	1839.8	1836.2	1839.8	1891.9	2023.1	2112.9	2168.6
20°	1978.1	1872.1	1832.6	1823.6	1830.8	1832.6	1845.2	1904.5	2048.2	2111.1	2123.7
22.5°	1960.2	1827.2	1782.3	1775.1	1782.3	1789.5	1802.1	1852.4	1987.1	2019.5	2014.1
25°	1870.3	1739.2	1703.2	1703.2	1719.4	1717.6	1723.0	1758.9	1870.3	1890.1	1881.1
27.5°	1757.1	1633.2	1602.6	1620.6	1635.0	1631.4	1633.2	1663.7	1746.4	1751.8	1742.8
30°	1642.2	1534.4	1505.6	1527.2	1546.9	1543.3	1545.1	1575.7	1627.8	1622.4	1609.8
32.5°	1525.4	1446.3	1424.8	1437.3	1467.9	1464.3	1471.5	1503.8	1523.6	1500.2	1485.8
35°	1417.6	1376.2	1360.1	1367.3	1390.6	1396.0	1408.6	1430.1	1430.1	1401.4	1376.2
37.5°	1317.0	1311.6	1300.8	1291.8	1313.4	1329.5	1347.5	1372.7	1336.7	1295.4	1272.0
40°	1223.5	1246.9	1232.5	1209.2	1221.7	1245.1	1281.0	1300.8	1257.7	1216.3	1176.8
42.5°	1137.3	1176.8	1171.4	1142.7	1153.5	1175.0	1216.3	1232.5	1182.2	1135.5	1097.8
45°	1054.6	1110.3	1113.9	1078.0	1088.8	1110.3	1158.9	1164.2	1099.6	1049.3	1022.3
47.5°	982.8	1043.9	1045.7	1018.7	1022.3	1052.8	1097.8	1099.6	1025.9	979.2	945.0
50°	914.5	984.6	990.0	966.6	970.2	1006.1	1043.9	1036.7	957.6	909.1	878.6
52.5°	831.9	927.1	939.7	928.9	943.3	972.0	995.4	970.2	878.6	830.1	803.1
55°	742.0	866.0	892.9	885.8	901.9	925.3	930.7	914.5	799.5	751.0	725.9
57.5°	637.8	713.3	760.0	745.6	758.2	781.6	797.7	785.1	698.9	661.2	639.6
60°	528.2	578.5	589.3	566.0	555.2	596.5	634.2	618.1	544.4	521.0	495.9
62.5°	386.3	443.8	451.0	420.4	407.8	452.8	485.1	468.9	388.1	362.9	343.2
65°	309.0	362.9	377.3	348.6	341.4	375.5	395.3	355.7	298.2	271.3	249.7
67.5°	203.0	246.1	283.9	282.1	267.7	278.5	264.1	231.8	190.4	176.1	161.7
70°	125.8	150.9	174.3	183.3	181.5	177.9	158.1	134.8	122.2	116.8	109.6
72.5°	97.0	122.2	140.1	145.5	147.3	141.9	125.8	104.2	91.6	84.4	79.1
75°	71.9	91.6	106.0	113.2	116.8	113.2	97.0	82.6	70.1	64.7	59.3
77.5°	25.2	30.5	37.7	41.3	39.5	37.7	34.1	34.1	27.0	25.2	21.6
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: P638538

CATALOG NUMBER: GWS-SA4F-722-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0
2.5°	2125.5	2157.8	2217.1	2271.0	2328.5	2387.8	2452.5	2518.9	2549.5	2545.9
5°	1922.4	1992.5	2089.5	2195.5	2314.1	2441.7	2583.6	2729.1	2792.0	2819.0
7.5°	1794.9	1893.7	2021.3	2156.0	2312.3	2493.8	2707.6	2935.8	3027.4	3057.9
10°	1811.0	1926.0	2032.0	2163.2	2330.3	2565.6	2831.6	3102.8	3210.6	3244.8
12.5°	1942.2	1967.4	1996.1	2103.9	2314.1	2619.5	2944.7	3268.1	3392.1	3426.2
15°	2060.8	1944.0	1890.1	1988.9	2256.6	2657.3	3059.7	3446.0	3582.6	3622.1
17.5°	2066.2	1890.1	1769.7	1847.0	2163.2	2673.4	3172.9	3627.5	3776.6	3814.3
20°	1999.7	1830.8	1676.3	1678.1	2035.6	2669.9	3266.3	3791.0	3958.1	3992.2
22.5°	1902.7	1760.7	1600.8	1545.1	1899.1	2662.7	3368.8	3965.3	4146.7	4179.1
25°	1794.9	1670.9	1529.0	1444.5	1762.5	2669.9	3512.5	4193.4	4392.9	4423.4
27.5°	1678.1	1572.1	1473.3	1405.0	1647.5	2696.8	3685.0	4484.5	4721.6	4754.0
30°	1555.9	1476.9	1437.3	1396.0	1575.7	2704.0	3871.8	4824.1	5124.1	5169.0
32.5°	1435.5	1392.4	1394.2	1401.4	1507.4	2653.7	4042.5	5201.4	5602.0	5673.9
35°	1324.1	1311.6	1347.5	1383.4	1408.6	2524.3	4191.6	5646.9	6193.1	6266.8
37.5°	1228.9	1239.7	1284.6	1320.6	1300.8	2341.1	4389.3	6203.9	6854.3	6917.2
40°	1137.3	1164.2	1216.3	1232.5	1218.1	2127.3	4626.4	6741.1	7427.4	7513.7
42.5°	1052.8	1072.6	1146.3	1149.9	1194.8	1909.9	4854.6	7319.6	8086.8	8131.7
45°	984.6	981.0	1056.4	1079.8	1225.3	1669.1	5077.4	8090.4	8949.2	9013.9
47.5°	918.1	914.5	932.5	1038.5	1237.9	1446.3	5298.4	9218.7	10199.7	10311.1
50°	855.2	860.6	804.9	1018.7	1169.6	1275.6	5399.0	10262.6	11337.0	11383.7
52.5°	799.5	779.8	682.7	954.0	1024.1	1113.9	5113.3	10736.9	12041.3	12174.2
55°	720.5	610.9	562.4	774.4	808.5	972.0	4188.0	10462.0	12102.4	12337.7
57.5°	616.3	479.7	477.9	571.3	571.3	901.9	2682.4	8938.4	10429.7	10842.9
60°	474.3	371.9	395.3	397.1	366.5	657.6	1505.6	6475.2	7711.3	8122.7
62.5°	337.8	283.9	298.2	237.2	210.2	328.8	722.3	3728.1	4759.4	4816.9
65°	226.4	192.2	156.3	131.2	129.4	140.1	298.2	1347.5	1638.6	1848.8
67.5°	149.1	116.8	82.6	82.6	93.4	93.4	113.2	222.8	312.6	285.7
70°	97.0	80.9	52.1	50.3	61.1	61.1	57.5	61.1	64.7	64.7
72.5°	71.9	61.1	30.5	27.0	34.1	35.9	32.3	30.5	30.5	30.5
75°	53.9	43.1	18.0	12.6	16.2	21.6	18.0	12.6	12.6	10.8
77.5°	21.6	16.2	7.2	5.4	9.0	12.6	10.8	5.4	3.6	3.6
80°	1.8	3.6	3.6	3.6	5.4	7.2	9.0	3.6	1.8	1.8
82.5°	0.0	1.8	1.8	1.8	3.6	5.4	7.2	3.6	1.8	1.8
85°	0.0	0.0	0.0	0.0	3.6	5.4	3.6	1.8	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.8	5.4	3.6	1.8	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)