

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: P639530

Luminaire Tested: GWS-SA5C-722-U-SLR-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639530  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5C-722-U-SLR-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

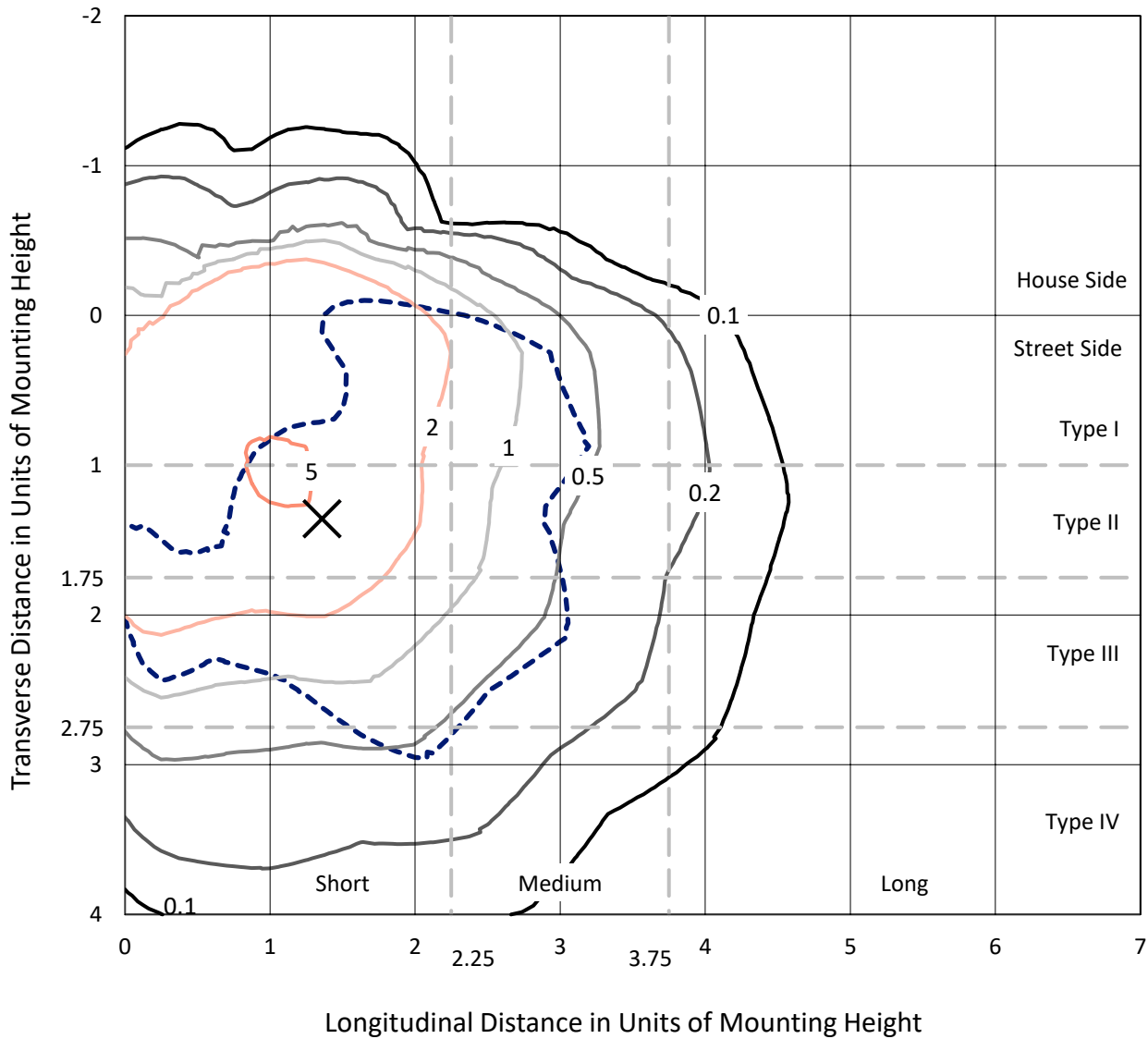
Lumens per Lamp: N/A  
Luminaire Lumens: 10885.4 lumens  
Efficiency: N/A  
Efficacy: 69.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 157.5  
Input Voltage (V): 120  
Input Current (Ain): 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: P639530  
 CATALOG NUMBER: GWS-SA5C-722-U-SLR-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

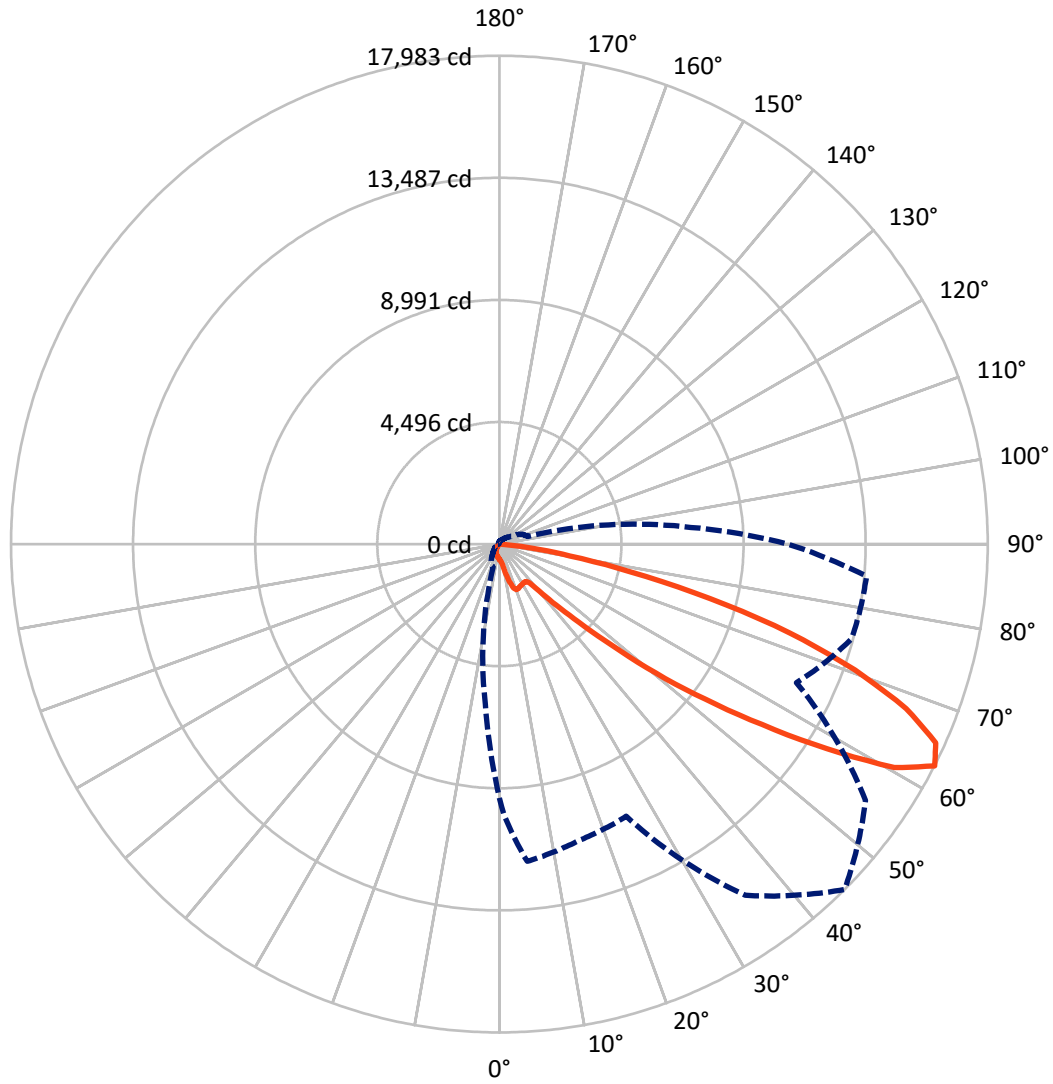
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P639530  
CATALOG NUMBER: GWS-SA5C-722-U-SLR-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P639530  
 CATALOG NUMBER: GWS-SA5C-722-U-SLR-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1343.2	0.0	1343.2
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	9542.2	0.0	9542.2
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	10885.4	0.0	10885.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.2	0.5
10°-20°	189.8	1.7
20°-30°	412.6	3.8
30°-40°	677.1	6.2
40°-50°	1244.8	11.4
50°-60°	2673.3	24.6
60°-70°	3590.7	33.0
70°-80°	1869.7	17.2
80°-90°	177.3	1.6
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°	10885.4	100.0
0°-180°	10885.4	100.0

**Coefficient of Utilization**

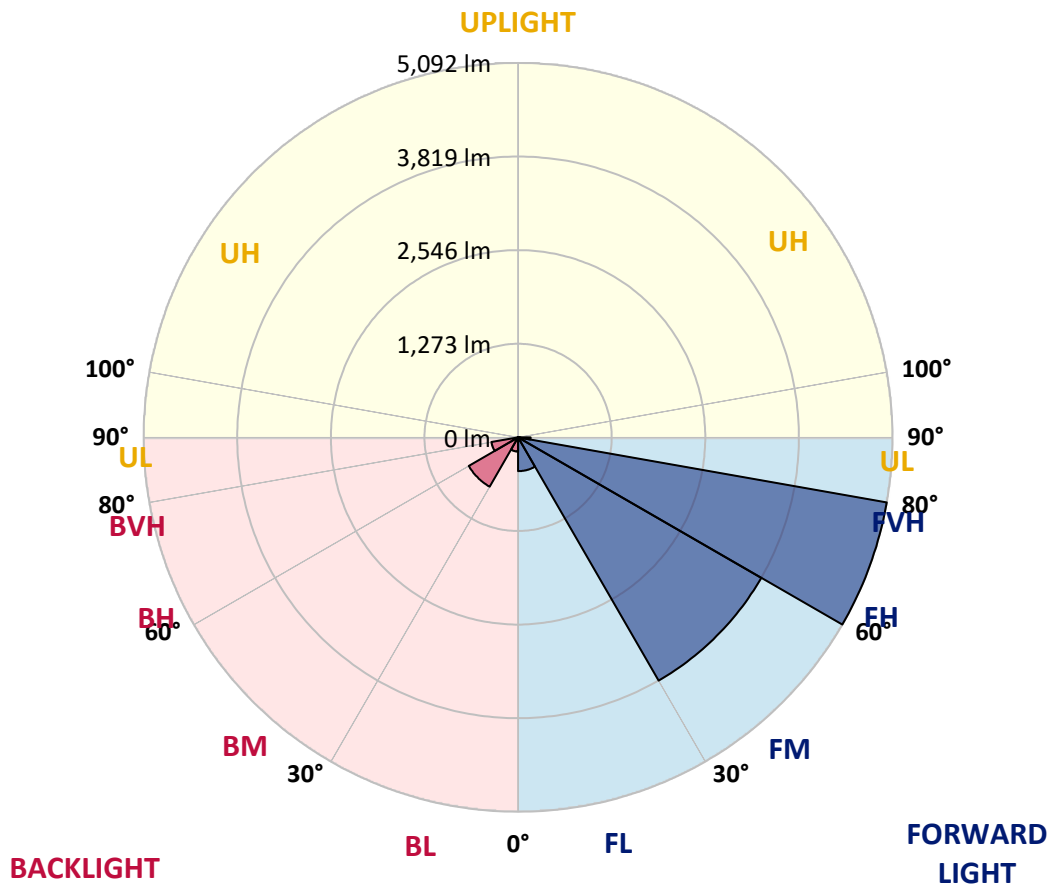


REPORT NUMBER: P639530  
 CATALOG NUMBER: GWS-SA5C-722-U-SLR-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	459.9	4.2			
FM (30°-60°)	3820.6	35.1			
FH (60°-80°)	5092.3	46.8			G3/7500
FVH (80°-90°)	169.4	1.6			G2/225
BL (0°-30°)	192.7	1.8	B1/500		
BM (30°-60°)	774.6	7.1	B1/1000		
BH (60°-80°)	368.1	3.4	B1/500		G1/500
BVH (80°-90°)	7.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**  
 Type IV Short





REPORT NUMBER: P639530  
 CATALOG NUMBER: GWS-SA5C-722-U-SLR-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8
2.5°	577.1	579.6	582.2	591.0	597.2	602.3	603.5	599.8	591.0	582.2	569.6
5°	559.5	562.0	570.8	594.7	618.6	637.5	643.8	640.0	618.6	591.0	562.0
7.5°	558.3	563.3	584.7	635.0	686.5	725.5	735.6	726.8	686.5	631.2	572.1
10°	603.5	612.3	643.8	734.3	828.6	897.8	925.4	887.7	823.6	723.0	626.2
12.5°	721.7	736.8	797.2	929.2	1075.0	1166.8	1204.6	1158.0	1057.4	911.6	758.2
15°	907.8	930.4	1021.0	1218.4	1390.6	1472.4	1484.9	1458.5	1341.6	1180.7	974.5
17.5°	1170.6	1203.3	1344.1	1545.3	1669.8	1698.7	1694.9	1667.3	1581.8	1471.1	1276.2
20°	1484.9	1523.9	1662.2	1828.2	1840.8	1806.8	1788.0	1771.6	1742.7	1723.8	1571.7
22.5°	1801.8	1849.6	1994.2	2035.7	1922.5	1824.4	1777.9	1790.5	1833.2	1926.3	1864.7
25°	2117.4	2162.7	2298.5	2186.6	1960.2	1796.8	1737.7	1767.9	1869.7	2070.9	2150.1
27.5°	2485.8	2519.8	2600.2	2289.7	1966.5	1774.1	1716.3	1762.8	1887.3	2161.4	2463.2
30°	2869.3	2889.4	2850.4	2317.3	1945.1	1740.2	1694.9	1762.8	1917.5	2221.8	2698.3
32.5°	3150.9	3154.7	3027.7	2319.8	1933.8	1712.5	1674.8	1755.3	1946.4	2272.1	2925.9
35°	3441.4	3422.5	3197.5	2357.6	1964.0	1722.6	1689.9	1776.7	1991.7	2331.1	3125.8
37.5°	3735.6	3701.7	3387.3	2419.2	2042.0	1832.0	1811.9	1886.0	2064.6	2412.9	3345.8
40°	4037.4	3990.9	3584.7	2512.2	2215.5	2204.2	2273.3	2264.5	2264.5	2517.2	3572.2
42.5°	4405.8	4351.7	3876.4	2775.0	2620.3	2873.1	3061.7	2944.7	2728.5	2757.4	3866.4
45°	4892.4	4845.9	4381.9	3277.9	3255.3	3836.2	4090.2	3858.8	3320.7	3311.9	4358.0
47.5°	5670.7	5661.9	5187.9	3861.4	4032.4	5062.1	5552.5	5107.4	3995.9	3899.1	5288.5
50°	6764.6	6738.2	6192.5	4545.4	4956.5	6581.0	7456.2	6714.3	4811.9	4584.3	6534.5
52.5°	7996.8	8024.5	7599.5	5292.2	5938.5	8270.9	9489.3	8555.1	5698.4	5455.7	8102.4
55°	9157.4	9315.8	9203.9	6166.1	6897.9	10136.9	11722.4	10574.4	6796.0	6596.1	9860.2
57.5°	10065.2	10511.5	11296.1	7436.0	8025.7	12319.6	14215.7	12763.5	8077.3	8448.2	12253.0
60°	10115.5	10706.4	12528.4	10092.8	9476.7	14191.8	16705.3	14902.3	10091.6	11592.9	14127.7
62.5°	9357.3	9991.0	11726.2	11299.9	11057.2	15784.9	17982.8	16461.4	12073.2	13434.9	13572.0
65°	8489.7	9129.7	10830.9	9930.6	10873.7	15717.0	17658.4	16497.8	12253.0	12182.6	12577.4
67.5°	7178.3	7752.9	9293.2	8790.2	10022.4	14958.8	16159.6	15458.0	11288.6	11394.2	11570.2
70°	5239.4	5792.7	7222.3	7247.4	8752.5	13592.1	13885.0	13788.2	10395.9	10507.8	10004.8
72.5°	3784.7	4251.1	5484.6	5943.6	6987.2	11398.0	11195.6	11569.0	8919.7	9358.5	8035.8
75°	2720.9	3070.5	4023.6	5170.3	5538.7	8464.6	8014.4	8960.0	7156.9	8058.4	6041.6
77.5°	1104.0	1227.2	1583.0	3482.9	3640.1	5694.6	4906.2	6508.1	5102.4	5294.8	2928.4
80°	45.3	50.3	65.4	1798.0	2495.9	3203.8	2625.4	3479.1	3369.7	2132.5	691.5
82.5°	5.0	5.0	11.3	518.0	1092.6	1767.9	1237.2	2004.2	1706.2	904.0	314.3
85°	1.3	1.3	2.5	59.1	256.5	282.9	167.2	614.9	793.4	369.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	11.3	12.6	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: P639530

CATALOG NUMBER: GWS-SA5C-722-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8
2.5°	569.6	563.3	555.8	548.2	544.4	534.4	530.6	528.1	525.6	526.8	526.8
5°	550.7	536.9	520.5	504.2	495.4	485.3	480.3	477.8	479.1	484.1	484.1
7.5°	548.2	521.8	486.6	465.2	455.2	447.6	442.6	440.1	441.3	447.6	450.1
10°	589.7	543.2	480.3	443.8	432.5	425.0	420.0	416.2	413.7	418.7	420.0
12.5°	679.0	614.9	510.5	441.3	421.2	411.2	407.4	399.8	396.1	398.6	399.8
15°	863.8	753.2	570.8	451.4	411.2	399.8	393.6	387.3	381.0	379.7	381.0
17.5°	1105.2	946.8	662.6	475.3	403.6	389.8	381.0	372.2	363.4	362.1	360.9
20°	1404.5	1184.4	790.9	513.0	397.3	381.0	368.4	355.8	344.5	340.7	340.7
22.5°	1677.3	1471.1	955.6	559.5	388.5	368.4	353.3	338.2	325.7	319.4	318.1
25°	2010.5	1775.4	1153.0	613.6	376.0	352.1	335.7	320.6	308.1	300.5	298.0
27.5°	2346.2	2096.0	1376.8	684.0	360.9	335.7	320.6	306.8	293.0	284.2	281.6
30°	2671.9	2441.8	1628.3	772.0	349.5	319.4	306.8	293.0	280.4	266.6	262.8
32.5°	3021.4	2795.1	1909.9	870.1	340.7	308.1	294.2	281.6	265.3	252.7	246.4
35°	3358.4	3159.8	2220.5	965.7	331.9	298.0	282.9	270.3	252.7	238.9	230.1
37.5°	3697.9	3530.7	2544.9	1023.5	319.4	284.2	270.3	260.3	240.2	223.8	213.8
40°	4057.5	3914.2	2895.7	999.6	308.1	269.1	261.5	250.2	227.6	208.7	196.1
42.5°	4452.3	4280.1	3252.8	907.8	298.0	256.5	249.0	237.6	216.3	193.6	177.3
45°	4949.0	4681.2	3545.8	769.5	303.0	243.9	228.8	226.3	206.2	177.3	157.2
47.5°	5802.7	5297.3	3773.3	680.2	337.0	230.1	212.5	218.8	197.4	160.9	138.3
50°	7109.1	6318.2	3985.8	673.9	388.5	223.8	197.4	213.8	188.6	144.6	122.0
52.5°	8353.9	7355.6	4121.6	729.3	433.8	240.2	182.3	207.5	182.3	133.3	110.6
55°	9544.6	7954.1	3879.0	769.5	476.5	289.2	171.0	197.4	174.8	127.0	106.9
57.5°	10828.4	8220.6	3054.1	851.2	506.7	330.7	173.5	182.3	164.7	123.2	105.6
60°	11211.9	7879.9	1843.3	958.1	490.4	343.3	192.4	162.2	150.9	115.7	101.8
62.5°	10615.9	7071.4	1087.6	872.6	476.5	324.4	220.0	149.6	137.1	105.6	94.3
65°	9724.4	5973.7	709.2	736.8	505.5	289.2	233.9	143.3	124.5	95.6	83.0
67.5°	8706.0	4811.9	496.7	435.0	466.5	260.3	197.4	142.1	111.9	80.5	67.9
70°	7332.9	3603.6	349.5	287.9	388.5	231.4	153.4	138.3	98.1	65.4	52.8
72.5°	5665.7	2255.7	260.3	186.1	276.6	188.6	122.0	116.9	79.2	54.1	40.2
75°	4178.2	1286.3	183.6	134.5	182.3	143.3	90.5	83.0	67.9	51.6	36.5
77.5°	2181.5	643.8	114.4	103.1	104.4	89.3	65.4	60.4	62.9	51.6	33.9
80°	418.7	128.3	69.2	75.4	56.6	56.6	47.8	50.3	55.3	41.5	28.9
82.5°	174.8	27.7	37.7	42.8	35.2	39.0	39.0	40.2	39.0	30.2	21.4
85°	0.0	0.0	16.3	17.6	23.9	23.9	20.1	20.1	20.1	17.6	12.6
87.5°	0.0	0.0	0.0	0.0	1.3	3.8	7.5	8.8	10.1	7.5	5.0
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: P639530

CATALOG NUMBER: GWS-SA5C-722-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8
2.5°	525.6	523.1	526.8	529.3	531.9	531.9	529.3	526.8	523.1	526.8	523.1
5°	485.3	489.1	495.4	497.9	500.4	495.4	492.9	485.3	479.1	480.3	477.8
7.5°	453.9	457.7	465.2	470.3	470.3	467.7	460.2	452.7	442.6	442.6	441.3
10°	425.0	430.0	438.8	445.1	447.6	445.1	437.6	427.5	418.7	418.7	414.9
12.5°	401.1	407.4	417.4	426.2	428.8	426.2	418.7	408.6	398.6	398.6	396.1
15°	381.0	388.5	399.8	409.9	413.7	409.9	401.1	388.5	378.5	379.7	376.0
17.5°	362.1	368.4	383.5	394.8	398.6	394.8	383.5	367.1	357.1	359.6	357.1
20°	340.7	348.3	363.4	376.0	379.7	376.0	363.4	345.8	335.7	335.7	337.0
22.5°	318.1	325.7	340.7	349.5	354.6	350.8	338.2	321.9	311.8	311.8	313.1
25°	298.0	301.8	313.1	321.9	323.1	319.4	309.3	296.7	289.2	293.0	294.2
27.5°	279.1	279.1	284.2	289.2	287.9	284.2	280.4	270.3	269.1	272.8	276.6
30°	259.0	252.7	250.2	246.4	245.2	243.9	247.7	247.7	250.2	255.2	259.0
32.5°	241.4	228.8	217.5	206.2	199.9	205.0	215.0	223.8	232.6	240.2	243.9
35°	221.3	201.2	182.3	167.2	157.2	164.7	181.1	197.4	212.5	222.6	228.8
37.5°	201.2	172.3	149.6	130.8	123.2	129.5	147.1	169.7	192.4	205.0	213.8
40°	179.8	143.3	116.9	101.8	94.3	100.6	118.2	140.8	171.0	187.3	198.7
42.5°	158.4	118.2	94.3	79.2	75.4	79.2	93.0	115.7	148.4	168.5	183.6
45°	137.1	98.1	75.4	64.1	60.4	64.1	75.4	94.3	127.0	149.6	167.2
47.5°	118.2	83.0	62.9	52.8	50.3	54.1	62.9	79.2	106.9	129.5	149.6
50°	103.1	72.9	54.1	45.3	42.8	46.5	54.1	66.6	90.5	110.6	132.0
52.5°	93.0	67.9	47.8	39.0	37.7	40.2	46.5	56.6	76.7	94.3	114.4
55°	90.5	67.9	44.0	35.2	33.9	36.5	41.5	49.0	66.6	81.7	99.3
57.5°	93.0	72.9	41.5	30.2	28.9	31.4	36.5	42.8	57.8	70.4	86.8
60°	93.0	74.2	36.5	23.9	22.6	25.1	30.2	37.7	51.6	61.6	75.4
62.5°	84.2	67.9	30.2	18.9	16.3	18.9	25.1	31.4	45.3	55.3	66.6
65°	72.9	57.8	25.1	13.8	11.3	13.8	20.1	26.4	39.0	47.8	60.4
67.5°	59.1	44.0	18.9	10.1	7.5	10.1	15.1	21.4	32.7	41.5	54.1
70°	44.0	31.4	15.1	8.8	7.5	8.8	13.8	20.1	28.9	37.7	50.3
72.5°	32.7	21.4	12.6	8.8	6.3	8.8	12.6	18.9	27.7	36.5	47.8
75°	27.7	17.6	11.3	7.5	6.3	7.5	11.3	17.6	25.1	33.9	45.3
77.5°	26.4	16.3	10.1	6.3	5.0	6.3	10.1	15.1	22.6	31.4	44.0
80°	22.6	13.8	8.8	5.0	3.8	5.0	8.8	12.6	17.6	23.9	33.9
82.5°	17.6	11.3	6.3	2.5	1.3	2.5	6.3	7.5	11.3	13.8	20.1
85°	11.3	6.3	2.5	0.0	0.0	0.0	2.5	5.0	5.0	6.3	10.1
87.5°	5.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.5	3.8
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: P639530  
 CATALOG NUMBER: GWS-SA5C-722-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8
2.5°	530.6	531.9	534.4	538.2	547.0	554.5	562.0	572.1	577.1	577.1
5°	480.3	481.6	482.8	487.9	500.4	510.5	526.8	547.0	557.0	559.5
7.5°	441.3	443.8	446.4	450.1	462.7	476.5	497.9	535.6	554.5	558.3
10°	418.7	422.5	427.5	435.0	446.4	461.5	497.9	565.8	597.2	603.5
12.5°	401.1	407.4	412.4	421.2	435.0	458.9	531.9	651.3	706.6	721.7
15°	383.5	391.0	398.6	407.4	422.5	467.7	597.2	804.7	896.5	907.8
17.5°	365.9	374.7	384.8	394.8	413.7	489.1	700.4	1017.2	1145.5	1170.6
20°	345.8	357.1	370.9	383.5	404.9	523.1	843.7	1269.9	1430.9	1484.9
22.5°	324.4	338.2	354.6	370.9	394.8	564.6	1017.2	1541.5	1766.6	1801.8
25°	306.8	320.6	335.7	352.1	378.5	614.9	1227.2	1878.5	2083.4	2117.4
27.5°	290.5	304.3	318.1	333.2	362.1	680.2	1479.9	2236.8	2450.6	2485.8
30°	272.8	289.2	303.0	318.1	347.0	760.7	1771.6	2634.2	2836.6	2869.3
32.5°	257.8	274.1	287.9	303.0	335.7	848.7	2078.4	2986.2	3150.9	3150.9
35°	245.2	262.8	272.8	293.0	326.9	905.3	2368.9	3322.0	3446.4	3441.4
37.5°	231.4	252.7	260.3	274.1	315.6	911.6	2641.7	3676.5	3768.3	3735.6
40°	217.5	240.2	251.5	259.0	303.0	860.0	2941.0	4002.2	4080.1	4037.4
42.5°	205.0	222.6	238.9	247.7	295.5	769.5	3181.1	4350.5	4443.5	4405.8
45°	192.4	207.5	217.5	233.9	300.5	706.6	3387.3	4756.6	4920.1	4892.4
47.5°	179.8	192.4	198.7	223.8	334.5	677.7	3513.1	5385.3	5693.3	5670.7
50°	166.0	181.1	181.1	221.3	384.8	687.8	3622.5	6295.6	6772.2	6764.6
52.5°	152.1	168.5	166.0	240.2	423.7	734.3	3746.9	7099.1	7927.7	7996.8
55°	138.3	153.4	155.9	277.9	446.4	774.5	3265.4	7437.3	8914.7	9157.4
57.5°	123.2	132.0	162.2	306.8	438.8	891.5	2236.8	7498.9	9544.6	10065.2
60°	106.9	114.4	183.6	300.5	414.9	823.6	1408.2	6945.7	9455.4	10115.5
62.5°	93.0	105.6	193.6	265.3	422.5	714.2	897.8	5919.7	8604.1	9357.3
65°	81.7	101.8	176.0	240.2	427.5	484.1	606.0	4815.7	7773.0	8489.7
67.5°	72.9	113.2	144.6	213.8	367.1	340.7	416.2	3741.9	6535.8	7178.3
70°	66.6	115.7	118.2	183.6	284.2	218.8	274.1	2518.5	4505.1	5239.4
72.5°	60.4	85.5	89.3	147.1	183.6	133.3	177.3	1440.9	3284.2	3784.7
75°	57.8	57.8	61.6	95.6	101.8	96.8	114.4	860.0	2355.0	2720.9
77.5°	54.1	44.0	39.0	61.6	55.3	69.2	67.9	382.2	1021.0	1104.0
80°	42.8	31.4	26.4	39.0	37.7	46.5	40.2	31.4	46.5	45.3
82.5°	26.4	20.1	18.9	23.9	21.4	23.9	18.9	5.0	5.0	5.0
85°	12.6	11.3	10.1	10.1	11.3	10.1	7.5	2.5	1.3	1.3
87.5°	6.3	6.3	5.0	3.8	5.0	5.0	3.8	1.3	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)