

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: P639035

Luminaire Tested: GWS-SA5B-722-U-SLR-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639035  
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-SA5B-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**

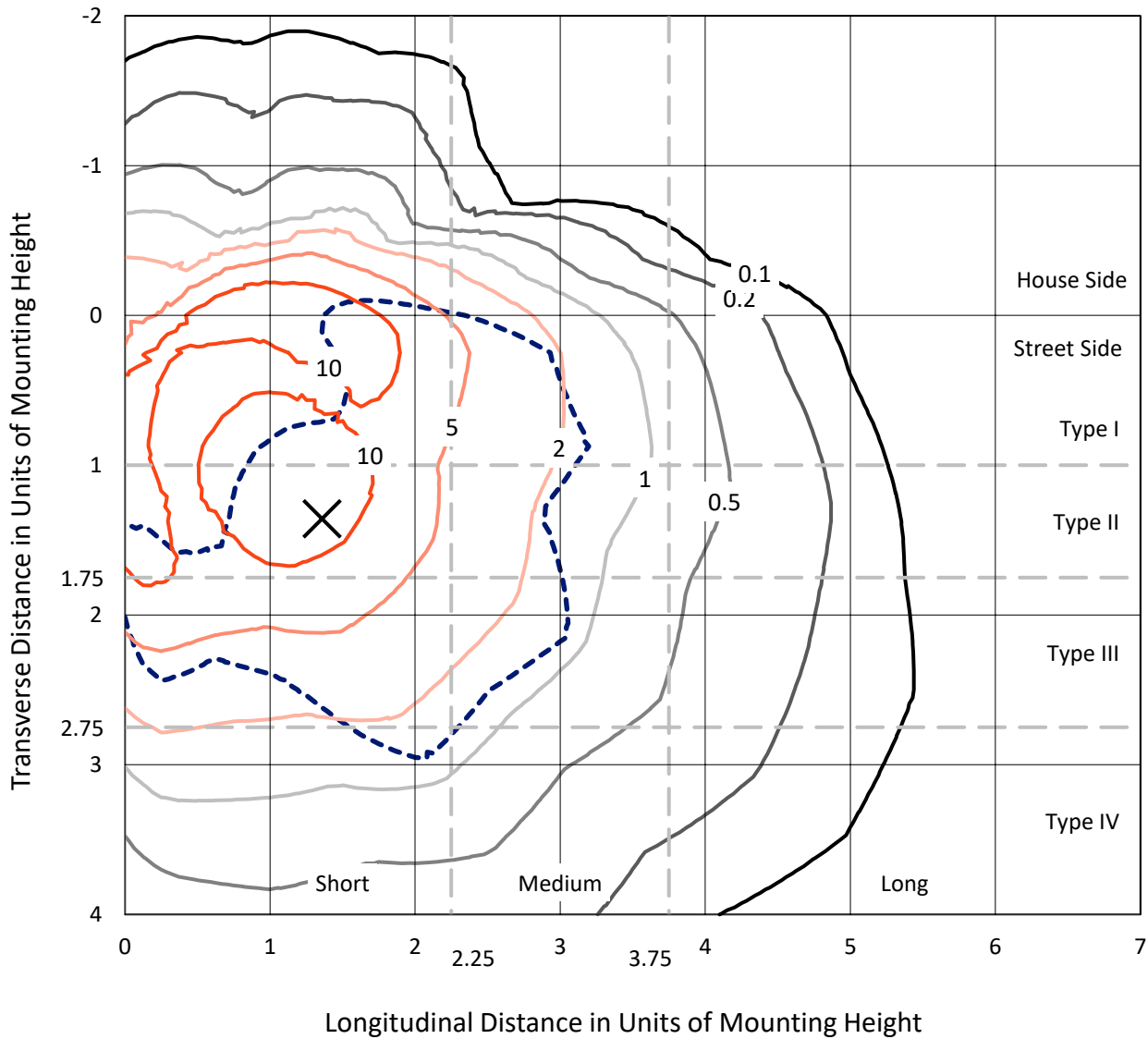
Lumens per Lamp: N/A  
Luminaire Lumens: 8116.7 lumens  
Efficiency: N/A  
Efficacy: 70.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 115.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P639035  
 CATALOG NUMBER: GWS-SA5B-722-U-SLR-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

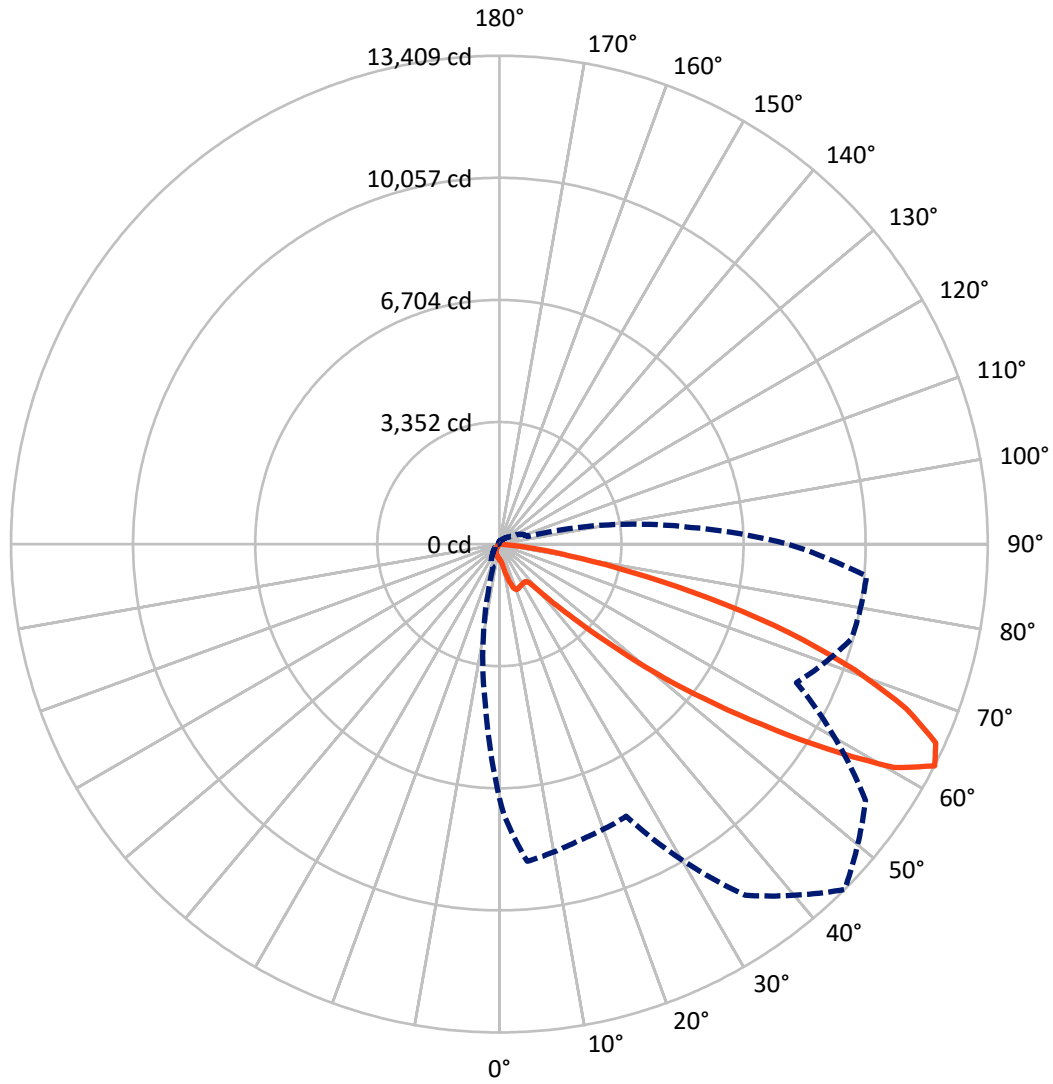
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P639035  
CATALOG NUMBER: GWS-SA5B-722-U-SLR-W-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P639035  
 CATALOG NUMBER: GWS-SA5B-722-U-SLR-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1001.6	0.0	1001.6
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	7115.1	0.0	7115.1
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	8116.7	0.0	8116.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.4	0.5
10°-20°	141.5	1.7
20°-30°	307.6	3.8
30°-40°	504.9	6.2
40°-50°	928.2	11.4
50°-60°	1993.3	24.6
60°-70°	2677.4	33.0
70°-80°	1394.1	17.2
80°-90°	132.2	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°	8116.7	100.0
0°-180°	8116.7	100.0

**Coefficient of Utilization**

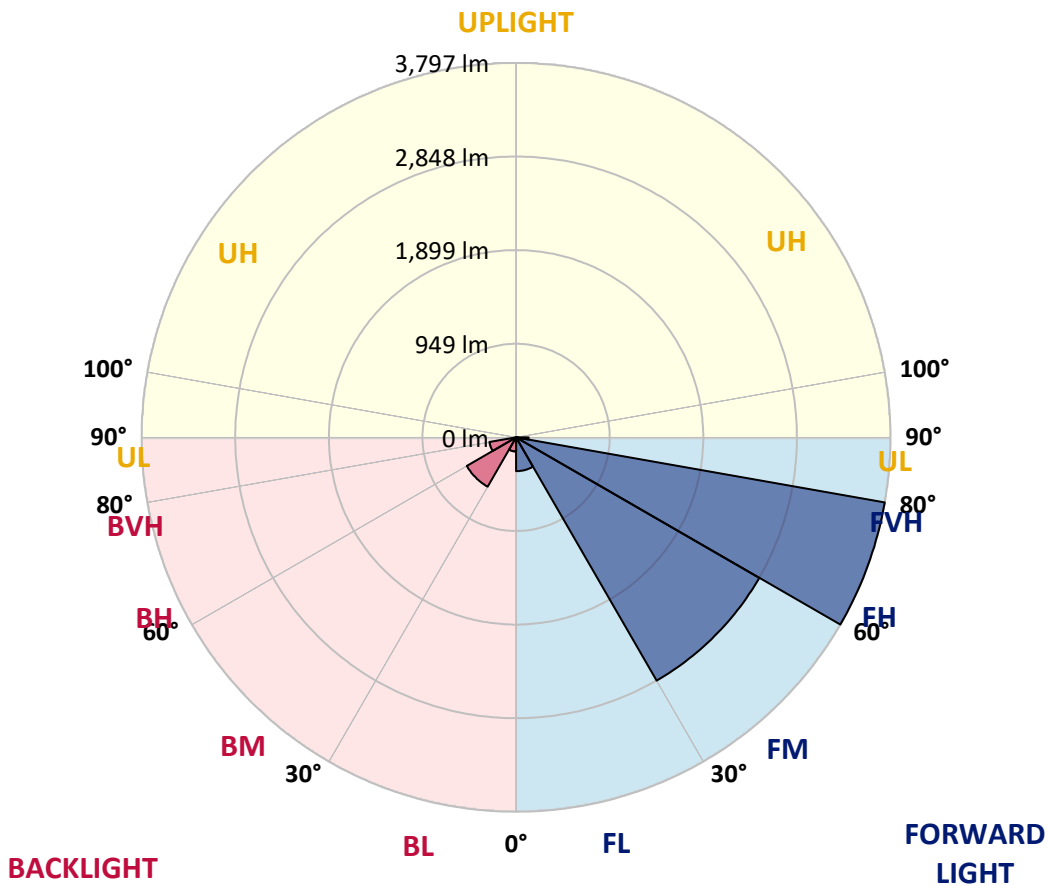


REPORT NUMBER: P639035  
 CATALOG NUMBER: GWS-SA5B-722-U-SLR-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.9	4.2			
FM (30°-60°)	2848.9	35.1			
FH (60°-80°)	3797.1	46.8			G2/5000
FVH (80°-90°)	126.3	1.6			G2/225
BL (0°-30°)	143.7	1.8	B1/500		
BM (30°-60°)	577.6	7.1	B1/1000		
BH (60°-80°)	274.4	3.4	B1/500		G1/500
BVH (80°-90°)	5.9	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-G2**  
 Type IV Short





REPORT NUMBER: P639035

CATALOG NUMBER: GWS-SA5B-722-U-SLR-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9
2.5°	430.3	432.2	434.1	440.6	445.3	449.1	450.0	447.2	440.6	434.1	424.7
5°	417.2	419.1	425.6	443.5	461.3	475.3	480.0	477.2	461.3	440.6	419.1
7.5°	416.3	420.0	436.0	473.5	511.9	541.0	548.5	541.9	511.9	470.7	426.6
10°	450.0	456.6	480.0	547.5	617.8	669.4	690.0	661.9	614.1	539.1	466.9
12.5°	538.2	549.4	594.4	692.9	801.6	870.0	898.2	863.5	788.5	679.7	565.3
15°	676.9	693.8	761.3	908.5	1036.9	1097.9	1107.2	1087.6	1000.4	880.4	726.6
17.5°	872.9	897.2	1002.2	1152.3	1245.1	1266.6	1263.8	1243.2	1179.4	1096.9	951.6
20°	1107.2	1136.3	1239.4	1363.2	1372.6	1347.3	1333.2	1321.0	1299.4	1285.4	1171.9
22.5°	1343.5	1379.1	1487.0	1517.9	1433.5	1360.4	1325.7	1335.1	1367.0	1436.3	1390.4
25°	1578.8	1612.6	1713.8	1630.4	1461.6	1339.8	1295.7	1318.2	1394.1	1544.1	1603.2
27.5°	1853.5	1878.9	1938.9	1707.3	1466.3	1322.9	1279.8	1314.4	1407.3	1611.7	1836.7
30°	2139.5	2154.5	2125.4	1727.9	1450.4	1297.6	1263.8	1314.4	1429.8	1656.7	2012.0
32.5°	2349.5	2352.3	2257.6	1729.8	1442.0	1276.9	1248.8	1308.8	1451.3	1694.2	2181.7
35°	2566.1	2552.0	2384.2	1757.9	1464.5	1284.4	1260.1	1324.8	1485.1	1738.2	2330.8
37.5°	2785.5	2760.2	2525.8	1803.9	1522.6	1366.0	1351.0	1406.3	1539.5	1799.2	2494.8
40°	3010.5	2975.8	2673.0	1873.2	1652.0	1643.5	1695.1	1688.5	1688.5	1877.0	2663.6
42.5°	3285.2	3244.9	2890.5	2069.2	1953.9	2142.3	2282.9	2195.7	2034.5	2056.1	2883.0
45°	3648.0	3613.3	3267.4	2444.2	2427.3	2860.5	3049.9	2877.3	2476.1	2469.5	3249.6
47.5°	4228.4	4221.8	3868.3	2879.2	3006.7	3774.6	4140.2	3808.3	2979.5	2907.3	3943.3
50°	5044.0	5024.3	4617.4	3389.3	3695.8	4907.1	5559.7	5006.5	3588.0	3418.3	4872.5
52.5°	5962.8	5983.5	5666.6	3946.2	4428.1	6167.2	7075.7	6379.1	4249.0	4068.0	6041.6
55°	6828.2	6946.3	6862.9	4597.8	5143.4	7558.5	8740.8	7884.8	5067.5	4918.4	7352.3
57.5°	7505.1	7837.9	8423.0	5544.7	5984.4	9186.1	10600.0	9517.1	6022.8	6299.4	9136.4
60°	7542.6	7983.3	9341.8	7525.7	7066.3	10582.2	12456.3	11111.9	7524.8	8644.2	10534.3
62.5°	6977.3	7449.8	8743.6	8425.8	8244.8	11770.0	13408.9	12274.4	9002.4	10017.7	10119.9
65°	6330.4	6807.6	8076.1	7404.8	8108.0	11719.4	13167.0	12301.6	9136.4	9083.9	9378.3
67.5°	5352.5	5780.9	6929.4	6554.4	7473.2	11154.1	12049.4	11526.3	8417.3	8496.1	8627.4
70°	3906.8	4319.3	5385.3	5404.1	6526.3	10134.9	10353.4	10281.2	7751.7	7835.1	7460.1
72.5°	2822.0	3169.9	4089.6	4431.8	5210.0	8498.9	8348.0	8626.4	6651.0	6978.2	5991.9
75°	2028.9	2289.5	3000.2	3855.2	4129.9	6311.6	5976.0	6681.0	5336.5	6008.8	4504.9
77.5°	823.2	915.1	1180.4	2597.0	2714.2	4246.2	3658.3	4852.8	3804.6	3948.0	2183.6
80°	33.8	37.5	48.8	1340.7	1861.0	2388.9	1957.6	2594.2	2512.6	1590.1	515.7
82.5°	3.8	3.8	8.4	386.3	814.7	1318.2	922.6	1494.5	1272.3	674.1	234.4
85°	0.9	0.9	1.9	44.1	191.3	210.9	124.7	458.5	591.6	275.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	8.4	9.4	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: P639035

CATALOG NUMBER: GWS-SA5B-722-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9
2.5°	424.7	420.0	414.4	408.8	406.0	398.5	395.6	393.8	391.9	392.8	392.8
5°	410.6	400.3	388.1	376.0	369.4	361.9	358.1	356.3	357.2	361.0	361.0
7.5°	408.8	389.1	362.8	346.9	339.4	333.8	330.0	328.1	329.1	333.8	335.6
10°	439.7	405.0	358.1	331.0	322.5	316.9	313.1	310.3	308.5	312.2	313.1
12.5°	506.3	458.5	380.6	329.1	314.1	306.6	303.8	298.1	295.3	297.2	298.1
15°	644.1	561.6	425.6	336.6	306.6	298.1	293.5	288.8	284.1	283.1	284.1
17.5°	824.1	706.0	494.1	354.4	301.0	290.6	284.1	277.5	271.0	270.0	269.1
20°	1047.2	883.2	589.7	382.5	296.3	284.1	274.7	265.3	256.9	254.1	254.1
22.5°	1250.7	1096.9	712.5	417.2	289.7	274.7	263.5	252.2	242.8	238.1	237.2
25°	1499.1	1323.8	859.7	457.5	280.3	262.5	250.3	239.1	229.7	224.1	222.2
27.5°	1749.5	1562.9	1026.6	510.0	269.1	250.3	239.1	228.8	218.4	211.9	210.0
30°	1992.3	1820.7	1214.1	575.7	260.6	238.1	228.8	218.4	209.1	198.8	195.9
32.5°	2252.9	2084.2	1424.1	648.8	254.1	229.7	219.4	210.0	197.8	188.4	183.8
35°	2504.2	2356.1	1655.7	720.0	247.5	222.2	210.9	201.6	188.4	178.1	171.6
37.5°	2757.3	2632.6	1897.6	763.2	238.1	211.9	201.6	194.1	179.1	166.9	159.4
40°	3025.5	2918.6	2159.2	745.4	229.7	200.6	195.0	186.6	169.7	155.6	146.3
42.5°	3319.9	3191.4	2425.4	676.9	222.2	191.3	185.6	177.2	161.3	144.4	132.2
45°	3690.2	3490.5	2643.9	573.8	226.0	181.9	170.6	168.8	153.8	132.2	117.2
47.5°	4326.8	3949.9	2813.6	507.2	251.3	171.6	158.4	163.1	147.2	120.0	103.1
50°	5300.9	4711.2	2972.0	502.5	289.7	166.9	147.2	159.4	140.6	107.8	90.9
52.5°	6229.1	5484.7	3073.3	543.8	323.5	179.1	135.9	154.7	135.9	99.4	82.5
55°	7117.0	5931.0	2892.3	573.8	355.3	215.6	127.5	147.2	130.3	94.7	79.7
57.5°	8074.2	6129.7	2277.3	634.7	377.8	246.6	129.4	135.9	122.8	91.9	78.8
60°	8360.2	5875.6	1374.5	714.4	365.6	256.0	143.4	120.9	112.5	86.3	75.9
62.5°	7915.8	5272.8	811.0	650.7	355.3	241.9	164.1	111.6	102.2	78.8	70.3
65°	7251.0	4454.3	528.8	549.4	376.9	215.6	174.4	106.9	92.8	71.3	61.9
67.5°	6491.6	3588.0	370.3	324.4	347.8	194.1	147.2	105.9	83.4	60.0	50.6
70°	5467.8	2687.0	260.6	214.7	289.7	172.5	114.4	103.1	73.1	48.8	39.4
72.5°	4224.6	1682.0	194.1	138.8	206.3	140.6	90.9	87.2	59.1	40.3	30.0
75°	3115.5	959.1	136.9	100.3	135.9	106.9	67.5	61.9	50.6	38.4	27.2
77.5°	1626.7	480.0	85.3	76.9	77.8	66.6	48.8	45.0	46.9	38.4	25.3
80°	312.2	95.6	51.6	56.3	42.2	42.2	35.6	37.5	41.3	30.9	21.6
82.5°	130.3	20.6	28.1	31.9	26.3	29.1	29.1	30.0	29.1	22.5	15.9
85°	0.0	0.0	12.2	13.1	17.8	17.8	15.0	15.0	15.0	13.1	9.4
87.5°	0.0	0.0	0.0	0.0	0.9	2.8	5.6	6.6	7.5	5.6	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: P639035

CATALOG NUMBER: GWS-SA5B-722-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9
2.5°	391.9	390.0	392.8	394.7	396.6	396.6	394.7	392.8	390.0	392.8	390.0
5°	361.9	364.7	369.4	371.3	373.1	369.4	367.5	361.9	357.2	358.1	356.3
7.5°	338.5	341.3	346.9	350.6	350.6	348.8	343.1	337.5	330.0	330.0	329.1
10°	316.9	320.6	327.2	331.9	333.8	331.9	326.3	318.8	312.2	312.2	309.4
12.5°	299.1	303.8	311.3	317.8	319.7	317.8	312.2	304.7	297.2	297.2	295.3
15°	284.1	289.7	298.1	305.6	308.5	305.6	299.1	289.7	282.2	283.1	280.3
17.5°	270.0	274.7	286.0	294.4	297.2	294.4	286.0	273.8	266.3	268.1	266.3
20°	254.1	259.7	271.0	280.3	283.1	280.3	271.0	257.8	250.3	250.3	251.3
22.5°	237.2	242.8	254.1	260.6	264.4	261.6	252.2	240.0	232.5	232.5	233.5
25°	222.2	225.0	233.5	240.0	241.0	238.1	230.6	221.3	215.6	218.4	219.4
27.5°	208.1	208.1	211.9	215.6	214.7	211.9	209.1	201.6	200.6	203.4	206.3
30°	193.1	188.4	186.6	183.8	182.8	181.9	184.7	184.7	186.6	190.3	193.1
32.5°	180.0	170.6	162.2	153.8	149.1	152.8	160.3	166.9	173.4	179.1	181.9
35°	165.0	150.0	135.9	124.7	117.2	122.8	135.0	147.2	158.4	165.9	170.6
37.5°	150.0	128.4	111.6	97.5	91.9	96.6	109.7	126.6	143.4	152.8	159.4
40°	134.1	106.9	87.2	75.9	70.3	75.0	88.1	105.0	127.5	139.7	148.1
42.5°	118.1	88.1	70.3	59.1	56.3	59.1	69.4	86.3	110.6	125.6	136.9
45°	102.2	73.1	56.3	47.8	45.0	47.8	56.3	70.3	94.7	111.6	124.7
47.5°	88.1	61.9	46.9	39.4	37.5	40.3	46.9	59.1	79.7	96.6	111.6
50°	76.9	54.4	40.3	33.8	31.9	34.7	40.3	49.7	67.5	82.5	98.4
52.5°	69.4	50.6	35.6	29.1	28.1	30.0	34.7	42.2	57.2	70.3	85.3
55°	67.5	50.6	32.8	26.3	25.3	27.2	30.9	36.6	49.7	60.9	74.1
57.5°	69.4	54.4	30.9	22.5	21.6	23.4	27.2	31.9	43.1	52.5	64.7
60°	69.4	55.3	27.2	17.8	16.9	18.8	22.5	28.1	38.4	45.9	56.3
62.5°	62.8	50.6	22.5	14.1	12.2	14.1	18.8	23.4	33.8	41.3	49.7
65°	54.4	43.1	18.8	10.3	8.4	10.3	15.0	19.7	29.1	35.6	45.0
67.5°	44.1	32.8	14.1	7.5	5.6	7.5	11.3	15.9	24.4	30.9	40.3
70°	32.8	23.4	11.3	6.6	5.6	6.6	10.3	15.0	21.6	28.1	37.5
72.5°	24.4	15.9	9.4	6.6	4.7	6.6	9.4	14.1	20.6	27.2	35.6
75°	20.6	13.1	8.4	5.6	4.7	5.6	8.4	13.1	18.8	25.3	33.8
77.5°	19.7	12.2	7.5	4.7	3.8	4.7	7.5	11.3	16.9	23.4	32.8
80°	16.9	10.3	6.6	3.8	2.8	3.8	6.6	9.4	13.1	17.8	25.3
82.5°	13.1	8.4	4.7	1.9	0.9	1.9	4.7	5.6	8.4	10.3	15.0
85°	8.4	4.7	1.9	0.0	0.0	0.0	1.9	3.8	3.8	4.7	7.5
87.5°	3.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	2.8
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: P639035  
 CATALOG NUMBER: GWS-SA5B-722-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9	421.9
2.5°	395.6	396.6	398.5	401.3	407.8	413.5	419.1	426.6	430.3	430.3
5°	358.1	359.1	360.0	363.8	373.1	380.6	392.8	407.8	415.3	417.2
7.5°	329.1	331.0	332.8	335.6	345.0	355.3	371.3	399.4	413.5	416.3
10°	312.2	315.0	318.8	324.4	332.8	344.1	371.3	421.9	445.3	450.0
12.5°	299.1	303.8	307.5	314.1	324.4	342.2	396.6	485.7	526.9	538.2
15°	286.0	291.6	297.2	303.8	315.0	348.8	445.3	600.0	668.5	676.9
17.5°	272.8	279.4	286.9	294.4	308.5	364.7	522.2	758.5	854.1	872.9
20°	257.8	266.3	276.6	286.0	301.9	390.0	629.1	946.9	1066.9	1107.2
22.5°	241.9	252.2	264.4	276.6	294.4	421.0	758.5	1149.4	1317.3	1343.5
25°	228.8	239.1	250.3	262.5	282.2	458.5	915.1	1400.7	1553.5	1578.8
27.5°	216.6	226.9	237.2	248.5	270.0	507.2	1103.5	1667.9	1827.3	1853.5
30°	203.4	215.6	226.0	237.2	258.8	567.2	1321.0	1964.2	2115.1	2139.5
32.5°	192.2	204.4	214.7	226.0	250.3	632.8	1549.8	2226.7	2349.5	2349.5
35°	182.8	195.9	203.4	218.4	243.8	675.0	1766.3	2477.0	2569.8	2566.1
37.5°	172.5	188.4	194.1	204.4	235.3	679.7	1969.8	2741.4	2809.8	2785.5
40°	162.2	179.1	187.5	193.1	226.0	641.3	2192.9	2984.2	3042.4	3010.5
42.5°	152.8	165.9	178.1	184.7	220.3	573.8	2372.0	3243.9	3313.3	3285.2
45°	143.4	154.7	162.2	174.4	224.1	526.9	2525.8	3546.8	3668.6	3648.0
47.5°	134.1	143.4	148.1	166.9	249.4	505.3	2619.5	4015.5	4245.2	4228.4
50°	123.8	135.0	135.0	165.0	286.9	512.8	2701.1	4694.3	5049.7	5044.0
52.5°	113.4	125.6	123.8	179.1	316.0	547.5	2793.9	5293.4	5911.3	5962.8
55°	103.1	114.4	116.3	207.2	332.8	577.5	2434.8	5545.6	6647.2	6828.2
57.5°	91.9	98.4	120.9	228.8	327.2	664.7	1667.9	5591.6	7117.0	7505.1
60°	79.7	85.3	136.9	224.1	309.4	614.1	1050.1	5179.0	7050.4	7542.6
62.5°	69.4	78.8	144.4	197.8	315.0	532.5	669.4	4414.0	6415.7	6977.3
65°	60.9	75.9	131.3	179.1	318.8	361.0	451.9	3590.8	5795.9	6330.4
67.5°	54.4	84.4	107.8	159.4	273.8	254.1	310.3	2790.2	4873.4	5352.5
70°	49.7	86.3	88.1	136.9	211.9	163.1	204.4	1877.9	3359.2	3906.8
72.5°	45.0	63.8	66.6	109.7	136.9	99.4	132.2	1074.4	2448.9	2822.0
75°	43.1	43.1	45.9	71.3	75.9	72.2	85.3	641.3	1756.0	2028.9
77.5°	40.3	32.8	29.1	45.9	41.3	51.6	50.6	285.0	761.3	823.2
80°	31.9	23.4	19.7	29.1	28.1	34.7	30.0	23.4	34.7	33.8
82.5°	19.7	15.0	14.1	17.8	15.9	17.8	14.1	3.8	3.8	3.8
85°	9.4	8.4	7.5	7.5	8.4	7.5	5.6	1.9	0.9	0.9
87.5°	4.7	4.7	3.8	2.8	3.8	3.8	2.8	0.9	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)