

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: P639031

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639031  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-40)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5B-722-U-SLL-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

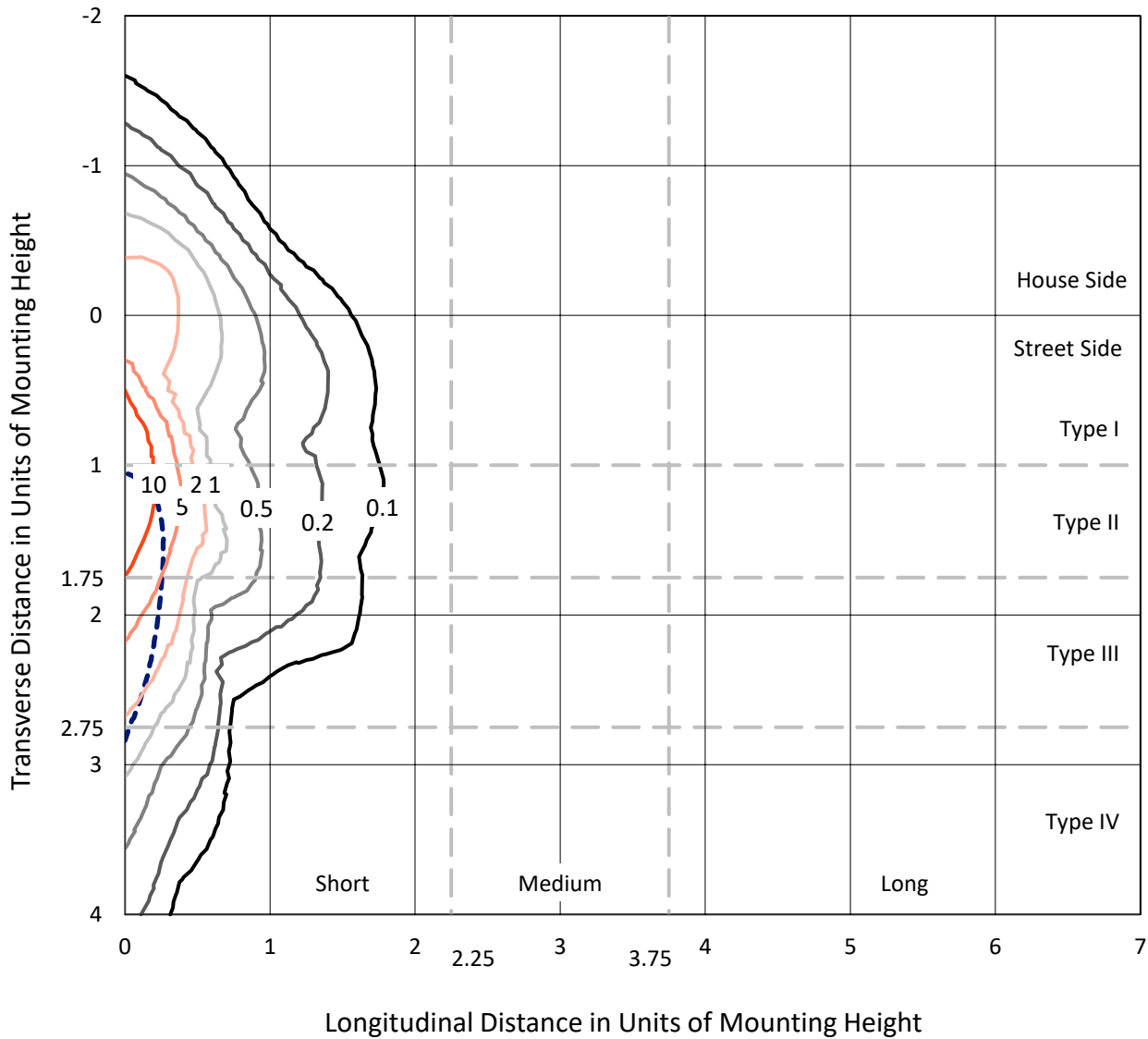
Lumens per Lamp: N/A  
Luminaire Lumens: 7918.8 lumens  
Efficiency: N/A  
Efficacy: 68.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 115.7  
Input Voltage (V): 120  
Input Current (Ain): 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: P639031  
 CATALOG NUMBER: GWS-SA5B-722-U-SLL-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

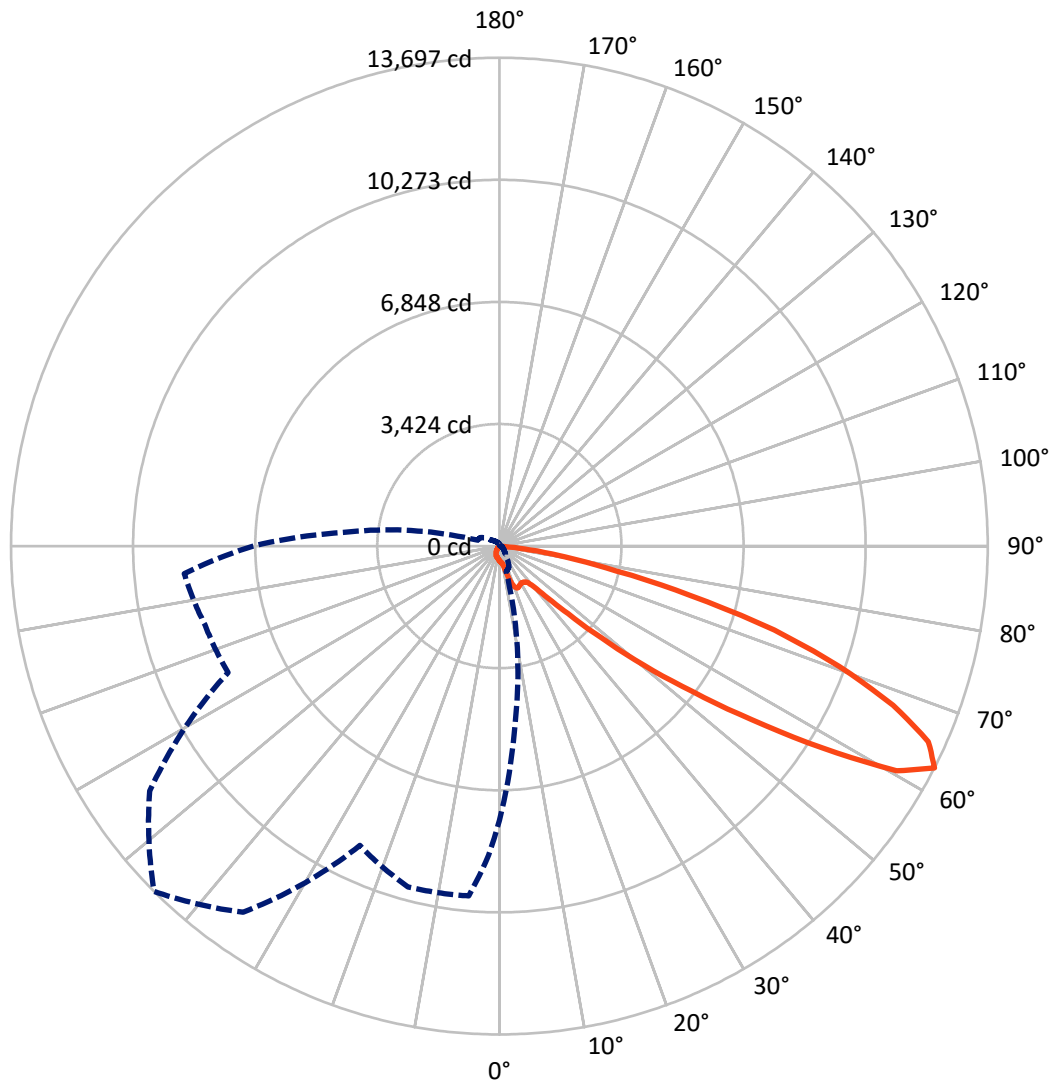
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 fc  
 Type III - Short - N/A

REPORT NUMBER: P639031  
CATALOG NUMBER: GWS-SA5B-722-U-SLL-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P639031  
 CATALOG NUMBER: GWS-SA5B-722-U-SLL-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	920.1	0.0	920.1
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	6998.7	0.0	6998.7
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	7918.8	0.0	7918.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.5	0.4
10°-20°	121.6	1.5
20°-30°	274.6	3.5
30°-40°	473.1	6.0
40°-50°	892.4	11.3
50°-60°	1992.4	25.2
60°-70°	2664.9	33.7
70°-80°	1336.4	16.9
80°-90°	128.1	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°	7918.8	100.0
0°-180°	7918.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P639031

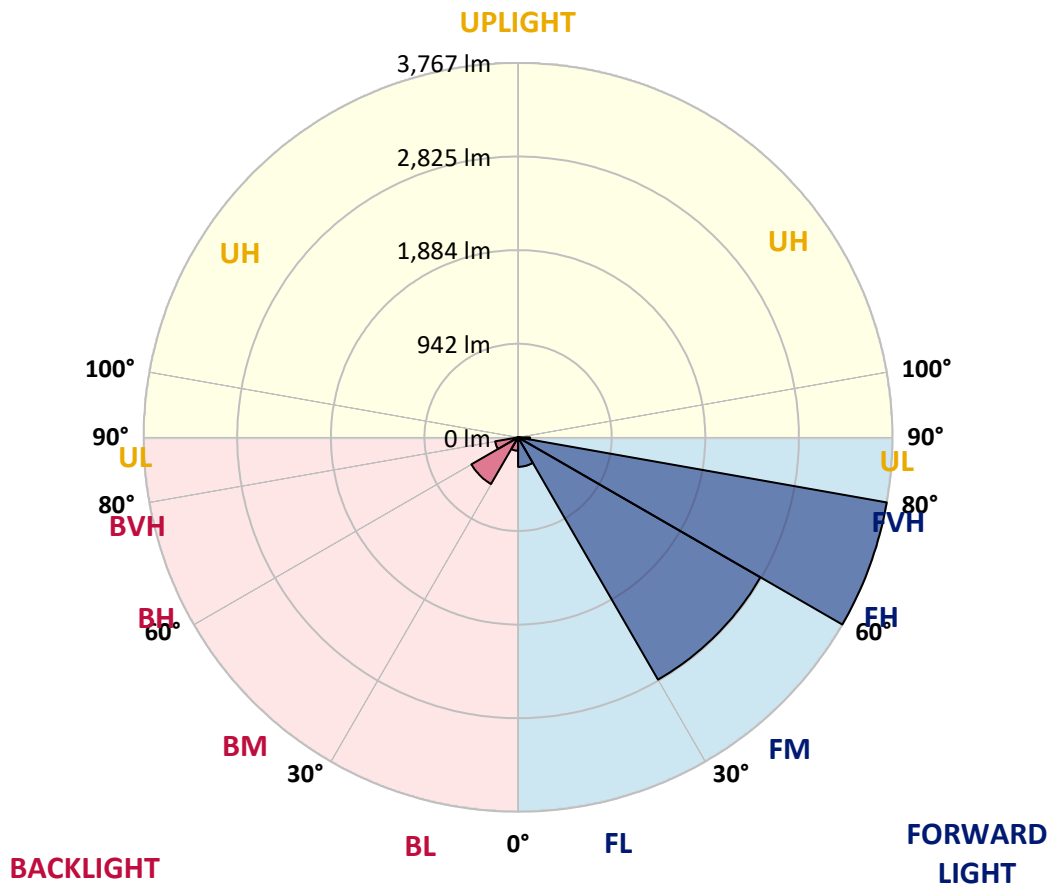
CATALOG NUMBER: GWS-SA5B-722-U-SLL-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	296.6	3.7			
FM (30°-60°)	2815.4	35.6			
FH (60°-80°)	3767.2	47.6			G2/5000
FVH (80°-90°)	119.6	1.5			G2/225
BL (0°-30°)	135.0	1.7	B1/500		
BM (30°-60°)	542.5	6.9	B1/1000		
BH (60°-80°)	234.0	3.0	B1/500		G1/500
BVH (80°-90°)	8.5	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 III Short





REPORT NUMBER: P639031

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

**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7
2.5°	406.0	405.1	403.2	397.6	392.9	390.1	384.4	384.4	383.5	381.6	377.9
5°	392.9	389.1	385.4	375.1	363.8	357.2	349.7	348.8	348.8	346.9	346.0
7.5°	372.2	368.5	363.8	346.9	336.6	330.0	323.5	322.5	319.7	319.7	319.7
10°	361.0	355.4	347.9	329.1	318.8	313.2	308.5	305.7	303.8	301.0	300.0
12.5°	385.4	375.1	359.1	325.4	311.3	303.8	298.2	296.3	290.7	286.9	284.1
15°	461.3	436.0	404.1	333.8	308.5	297.2	289.7	286.0	281.3	274.7	270.0
17.5°	586.0	549.4	496.0	361.0	305.7	291.6	282.2	275.7	269.1	261.6	256.0
20°	758.5	704.2	640.4	410.7	305.7	285.0	273.8	265.3	256.0	247.5	241.0
22.5°	977.9	923.6	814.8	495.1	309.4	276.6	263.5	252.2	241.0	233.5	226.0
25°	1223.6	1146.7	1045.5	597.3	319.7	265.3	251.3	240.0	229.7	220.3	211.9
27.5°	1497.4	1413.9	1278.9	742.6	342.2	254.1	238.2	227.8	218.5	209.1	197.8
30°	1749.6	1699.9	1562.1	917.0	378.8	246.6	227.8	218.5	209.1	196.9	186.6
32.5°	2052.5	1964.3	1850.9	1115.8	427.6	239.1	219.4	206.3	198.8	187.5	176.3
35°	2357.2	2282.2	2133.1	1360.5	481.9	231.6	209.1	196.9	190.3	177.2	165.0
37.5°	2671.3	2654.4	2507.2	1631.5	535.4	223.2	196.9	189.4	182.8	167.8	153.8
40°	2980.7	2949.8	2813.8	1940.9	568.2	213.8	186.6	181.9	174.4	157.5	141.6
42.5°	3277.0	3253.6	3121.4	2237.2	563.5	205.3	176.3	170.6	165.0	148.1	128.5
45°	3640.8	3602.4	3435.5	2456.6	515.7	214.7	166.0	156.6	155.6	139.7	115.3
47.5°	4321.5	4194.9	3911.8	2625.4	467.9	239.1	154.7	143.5	150.0	131.3	102.2
50°	5275.1	5126.0	4716.3	2756.6	466.9	271.0	152.8	131.3	145.3	124.7	90.9
52.5°	6233.3	5970.8	5472.9	2826.9	501.6	294.4	169.7	119.1	139.7	118.1	82.5
55°	7151.3	6606.5	5789.8	2594.4	528.8	319.7	200.7	112.5	129.4	110.6	77.8
57.5°	8026.1	7117.5	5927.7	2052.5	619.8	330.0	219.4	115.3	114.4	101.3	74.1
60°	8146.1	7093.1	5649.2	1193.6	683.5	312.2	211.9	128.5	100.3	90.0	67.5
62.5°	7692.3	6621.5	5014.4	744.5	634.8	305.7	188.5	146.3	90.9	79.7	59.1
65°	7003.1	5881.7	4180.9	480.1	481.0	339.4	165.0	143.5	85.3	70.3	50.6
67.5°	5925.8	4922.5	3293.9	321.6	271.9	289.7	144.4	98.5	83.4	60.0	39.4
70°	4325.3	3503.9	2144.4	214.7	162.2	231.6	121.0	70.3	78.8	49.7	28.1
72.5°	3161.7	2354.4	1197.3	140.6	91.9	135.0	89.1	50.6	60.9	36.6	19.7
75°	2275.6	1620.2	683.5	90.0	60.9	74.1	58.1	34.7	39.4	29.1	17.8
77.5°	1095.1	789.5	310.4	49.7	41.3	37.5	30.9	21.6	24.4	26.3	15.9
80°	41.3	30.9	23.4	24.4	26.3	16.9	14.1	11.3	14.1	17.8	8.4
82.5°	0.0	0.0	0.0	2.8	3.8	4.7	5.6	4.7	5.6	6.6	0.9
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: P639031  
 CATALOG NUMBER: GWS-SA5B-722-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7
2.5°	380.7	378.8	380.7	382.6	384.4	386.3	383.5	385.4	387.2	382.6	384.4
5°	350.7	349.7	355.4	358.2	361.9	363.8	361.9	361.9	361.0	355.4	355.4
7.5°	324.4	325.4	330.0	336.6	341.3	344.1	342.2	341.3	338.5	330.0	330.0
10°	304.7	304.7	312.2	317.9	324.4	327.2	325.4	322.5	319.7	311.3	310.4
12.5°	288.8	288.8	294.4	303.8	311.3	315.0	314.1	310.4	305.7	297.2	296.3
15°	273.8	272.8	281.3	289.7	300.0	304.7	302.9	300.0	291.6	284.1	282.2
17.5°	258.8	257.8	265.3	276.6	287.9	294.4	293.5	286.9	279.4	270.0	268.2
20°	243.8	241.9	251.3	262.5	273.8	280.4	278.5	272.8	263.5	254.1	252.2
22.5°	228.8	227.8	234.4	243.8	254.1	259.7	258.8	254.1	244.7	236.3	236.3
25°	211.9	211.9	216.6	223.2	230.7	233.5	234.4	232.5	226.9	222.2	222.2
27.5°	197.8	195.0	196.9	198.8	202.5	207.2	207.2	209.1	210.0	208.2	209.1
30°	186.6	181.9	179.1	175.3	173.5	175.3	177.2	183.8	190.3	194.1	196.0
32.5°	173.5	167.8	160.3	150.0	143.5	141.6	147.2	159.4	171.6	180.0	184.7
35°	160.3	152.8	138.8	123.8	115.3	112.5	119.1	133.1	151.0	166.0	172.5
37.5°	147.2	136.9	117.2	99.4	90.0	88.1	94.7	109.7	130.3	151.0	159.4
40°	132.2	120.0	96.6	77.8	70.3	68.4	74.1	89.1	110.6	134.1	147.2
42.5°	117.2	102.2	77.8	61.9	54.4	54.4	61.9	73.1	92.8	118.1	134.1
45°	102.2	86.3	63.8	49.7	45.0	45.9	50.6	61.9	77.8	104.1	119.1
47.5°	88.1	74.1	52.5	41.3	37.5	38.4	44.1	53.4	66.6	90.0	106.0
50°	75.9	62.8	45.9	34.7	31.9	33.8	39.4	47.8	59.1	79.7	92.8
52.5°	68.4	56.3	42.2	30.0	28.1	30.0	35.6	43.1	53.4	70.3	83.4
55°	64.7	55.3	42.2	27.2	24.4	26.3	31.9	39.4	47.8	63.8	75.0
57.5°	63.8	57.2	45.0	24.4	20.6	22.5	28.1	35.6	44.1	58.1	67.5
60°	60.0	54.4	44.1	19.7	15.9	18.8	23.4	30.9	40.3	54.4	62.8
62.5°	52.5	47.8	38.4	15.9	12.2	14.1	19.7	27.2	36.6	49.7	59.1
65°	43.1	38.4	30.0	10.3	7.5	9.4	15.0	23.4	31.9	45.0	53.4
67.5°	31.9	27.2	20.6	6.6	3.8	6.6	12.2	19.7	29.1	40.3	48.8
70°	19.7	15.9	11.3	3.8	2.8	5.6	11.3	18.8	26.3	37.5	45.9
72.5°	11.3	7.5	4.7	1.9	2.8	5.6	11.3	18.8	25.3	35.6	43.1
75°	8.4	4.7	1.9	0.9	1.9	4.7	10.3	16.9	24.4	33.8	41.3
77.5°	5.6	2.8	0.9	0.0	0.9	3.8	9.4	15.9	22.5	31.9	39.4
80°	0.9	0.0	0.0	0.0	0.0	2.8	8.4	14.1	20.6	28.1	34.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.9	6.6	12.2	17.8	23.4	28.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	9.4	14.1	17.8	19.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	9.4	11.3	13.1
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: P639031  
 CATALOG NUMBER: GWS-SA5B-722-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7
2.5°	383.5	389.1	389.1	392.9	397.6	406.0	410.7	417.2	421.9	426.6	428.5
5°	354.4	355.4	356.3	358.2	363.8	373.2	381.6	391.9	404.1	413.5	419.1
7.5°	330.0	330.0	330.0	332.9	338.5	345.0	353.5	367.5	381.6	392.9	402.2
10°	309.4	312.2	313.2	317.9	324.4	332.9	342.2	354.4	370.4	385.4	402.2
12.5°	296.3	299.1	303.8	308.5	315.0	324.4	334.7	350.7	383.5	414.4	450.1
15°	284.1	287.9	293.5	300.0	307.5	317.9	329.1	361.9	438.8	496.9	553.2
17.5°	271.0	276.6	284.1	290.7	300.0	311.3	325.4	389.1	540.1	636.6	732.3
20°	254.1	261.6	270.0	280.4	291.6	304.7	325.4	445.4	686.3	825.1	951.7
22.5°	238.2	245.7	256.0	269.1	282.2	295.4	330.0	530.7	874.8	1050.1	1210.5
25°	225.0	234.4	244.7	256.0	271.0	286.0	341.3	650.7	1101.7	1327.7	1441.1
27.5°	212.8	224.1	234.4	243.8	256.9	273.8	366.6	811.0	1369.9	1599.6	1688.7
30°	200.7	213.8	224.1	233.5	246.6	264.4	405.1	1015.4	1668.0	1891.2	1900.6
32.5°	190.3	202.5	214.7	224.1	236.3	256.9	458.5	1254.5	1973.7	2189.4	2101.2
35°	179.1	193.2	204.4	214.7	227.8	250.3	520.4	1512.4	2282.2	2463.1	2300.9
37.5°	167.8	183.8	197.8	205.3	218.5	243.8	565.4	1781.5	2597.2	2730.4	2476.3
40°	157.5	175.3	191.3	198.8	205.3	235.3	572.0	2057.2	2917.0	2993.8	2641.3
42.5°	146.3	166.0	180.0	190.3	196.0	229.7	532.6	2289.7	3185.1	3256.4	2856.9
45°	134.1	157.5	168.8	176.3	187.5	233.5	481.9	2469.7	3491.7	3614.5	3212.3
47.5°	121.9	148.1	157.5	163.1	178.1	256.0	463.2	2589.7	3997.1	4252.1	3811.5
50°	110.6	139.7	150.0	149.1	176.3	285.0	483.8	2680.7	4756.6	5056.6	4632.8
52.5°	98.5	130.3	142.5	138.8	190.3	307.5	525.1	2752.9	5340.7	5999.9	5736.4
55°	88.1	120.0	131.3	130.3	216.6	324.4	557.0	2372.2	5582.6	6876.6	6979.7
57.5°	80.6	108.8	118.1	134.1	233.5	324.4	644.1	1684.0	5587.3	7521.6	8629.9
60°	74.1	98.5	105.0	147.2	226.9	307.5	637.6	1031.4	5149.4	7477.6	9507.5
62.5°	68.4	89.1	97.5	151.0	200.7	304.7	575.7	639.5	4391.8	6908.4	8870.9
65°	63.8	81.6	93.8	138.8	181.9	326.3	388.2	459.4	3562.0	6259.6	8140.5
67.5°	59.1	75.0	99.4	113.5	165.0	291.6	280.4	326.3	2796.0	5547.9	7470.1
70°	55.3	71.3	105.0	92.8	144.4	227.8	198.8	247.5	2140.6	4629.1	6525.9
72.5°	52.5	66.6	88.1	73.1	117.2	176.3	138.8	180.0	1398.9	3613.6	5320.1
75°	49.7	60.9	64.7	59.1	87.2	115.3	105.0	121.0	833.5	2641.3	4036.5
77.5°	48.8	57.2	52.5	47.8	59.1	68.4	79.7	81.6	406.9	1321.1	2115.3
80°	43.1	51.6	45.0	39.4	40.3	45.0	59.1	54.4	92.8	335.7	564.5
82.5°	33.8	40.3	37.5	32.8	32.8	32.8	39.4	36.6	30.0	151.0	255.0
85°	23.4	28.1	28.1	26.3	25.3	25.3	24.4	23.4	8.4	9.4	14.1
87.5°	15.9	19.7	20.6	19.7	16.9	15.0	13.1	11.3	3.8	0.0	1.9
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: P639031

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

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7
2.5°	435.1	437.9	437.9	434.1	431.3	423.8	416.3	408.8	406.9	406.0
5°	435.1	446.3	451.9	451.0	444.4	432.2	416.3	399.4	394.7	392.9
7.5°	428.5	450.1	466.9	469.8	457.6	436.0	406.9	381.6	375.1	372.2
10°	443.5	485.7	519.4	524.1	510.1	467.9	421.0	377.9	367.5	361.0
12.5°	524.1	593.5	634.8	654.5	627.3	573.8	496.0	419.1	395.7	385.4
15°	687.3	785.7	864.5	864.5	839.2	744.5	646.0	521.3	489.4	461.3
17.5°	896.4	1020.1	1089.5	1082.0	1043.6	977.0	858.9	679.8	615.1	586.0
20°	1134.5	1208.6	1224.5	1219.9	1203.0	1164.5	1083.0	890.7	803.5	758.5
22.5°	1340.8	1321.1	1297.7	1278.9	1274.2	1285.5	1274.2	1126.1	1057.6	977.9
25°	1480.5	1368.9	1298.6	1264.9	1280.8	1345.5	1415.8	1360.5	1306.1	1223.6
27.5°	1556.5	1363.3	1262.0	1227.4	1254.5	1346.4	1499.3	1593.0	1536.8	1497.4
30°	1597.7	1358.6	1238.6	1204.8	1246.1	1361.4	1557.4	1810.6	1812.4	1749.6
32.5°	1656.8	1388.6	1243.3	1212.4	1267.7	1406.4	1630.5	2031.8	2086.2	2052.5
35°	1723.4	1434.6	1264.9	1236.7	1305.2	1466.4	1712.1	2255.0	2368.4	2357.2
37.5°	1786.2	1486.1	1315.5	1288.3	1362.4	1518.0	1790.9	2474.4	2631.9	2671.3
40°	1851.8	1558.3	1471.1	1497.4	1538.6	1599.6	1861.2	2664.7	2921.6	2980.7
42.5°	2006.5	1808.7	1941.8	1991.5	1997.1	1871.5	2015.0	2908.5	3206.7	3277.0
45°	2351.6	2254.1	2635.7	2706.0	2669.4	2288.7	2385.3	3260.1	3605.2	3640.8
47.5°	2787.6	2832.6	3585.5	3828.3	3608.9	2781.0	2834.4	3999.9	4334.6	4321.5
50°	3295.8	3508.6	4663.8	5236.6	4711.6	3420.5	3352.0	4909.4	5315.4	5275.1
52.5°	3896.8	4294.3	5959.6	6773.4	6276.5	4139.6	4111.5	6114.3	6361.8	6233.3
55°	4653.4	5052.9	7450.4	8587.7	7880.7	5017.2	5113.8	7511.3	7559.1	7151.3
57.5°	5782.3	6042.1	9207.5	10668.3	9555.4	6209.9	6910.3	9370.6	8798.7	8026.1
60°	7832.0	7314.4	10905.5	12796.7	11336.8	7887.3	9279.7	10472.3	9211.2	8146.1
62.5°	8545.5	8394.6	11968.8	13696.8	12535.1	9264.7	9895.7	9847.9	8676.8	7692.3
65°	7464.4	8125.5	11778.5	13221.5	12381.4	9037.8	8880.3	9158.7	8074.8	7003.1
67.5°	6895.3	7493.5	11057.4	11909.7	11529.1	8268.0	7915.4	7839.5	6779.0	5925.8
70°	6321.5	6914.1	10012.0	10117.9	9940.7	7013.4	6550.3	6041.1	5066.9	4325.3
72.5°	5631.4	5957.7	8561.5	8058.9	7858.2	5508.6	5411.0	4549.4	3798.3	3161.7
75°	4911.3	4816.6	6675.0	5531.1	5681.1	4285.9	4570.0	3340.8	2782.9	2275.6
77.5°	3572.4	3502.0	4470.6	3359.5	3720.5	2807.3	2522.2	1333.3	1269.5	1095.1
80°	1993.4	2403.1	2414.4	1882.8	2348.8	1830.2	631.0	44.1	28.1	41.3
82.5°	926.4	1033.3	1308.9	872.9	1339.9	906.7	130.3	0.0	0.0	0.0
85°	300.0	438.8	367.5	128.5	324.4	306.6	21.6	0.0	0.0	0.0
87.5°	17.8	36.6	9.4	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

(END OF REPORT)