

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: P637326

Luminaire Tested: GWS-SA4C-750-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637326  
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-SA4C-750-U-SLL-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

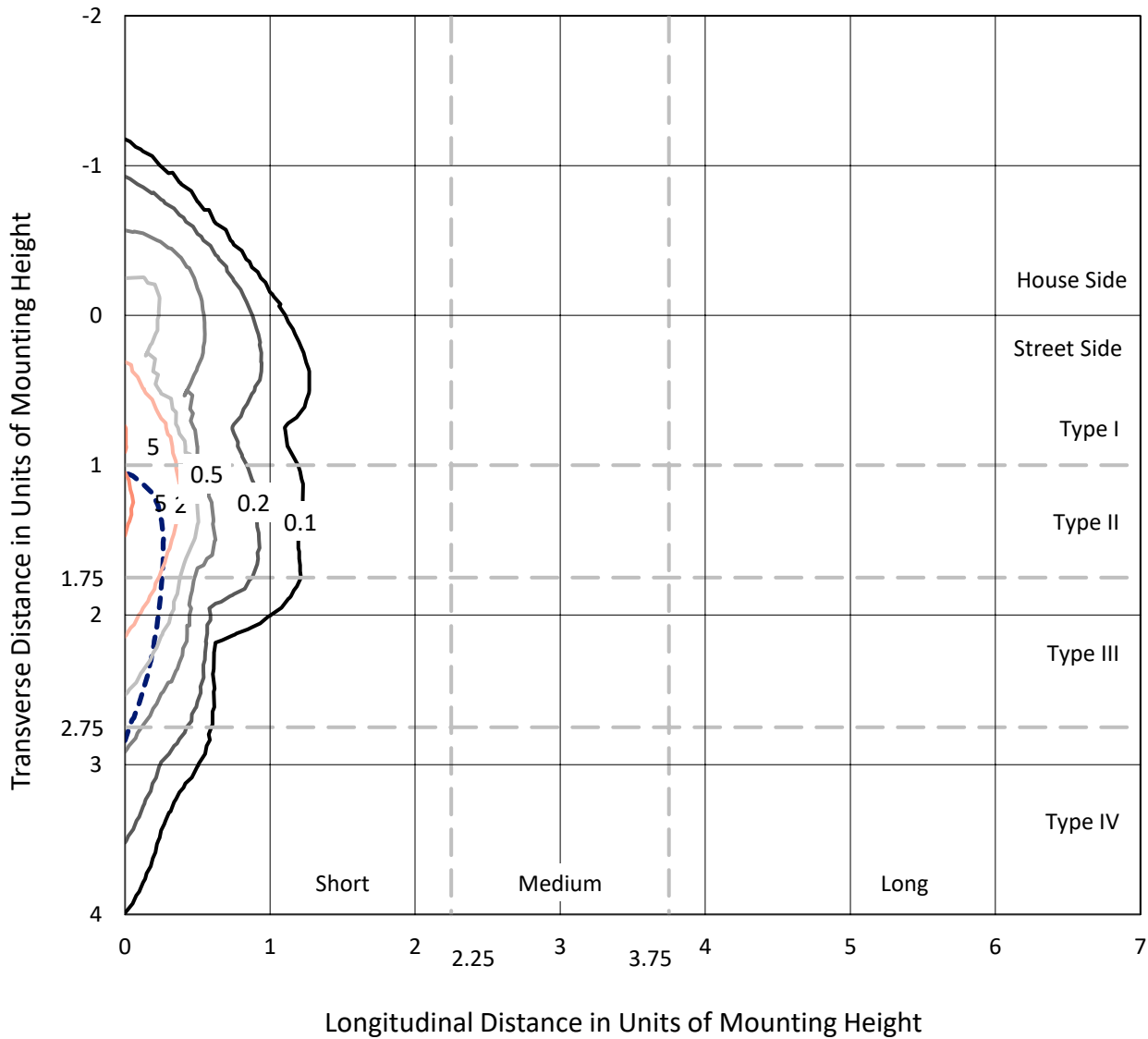
Lumens per Lamp: N/A  
Luminaire Lumens: 12022.5 lumens  
Efficiency: N/A  
Efficacy: 93.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 128.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P637326  
 CATALOG NUMBER: GWS-SA4C-750-U-SLL-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

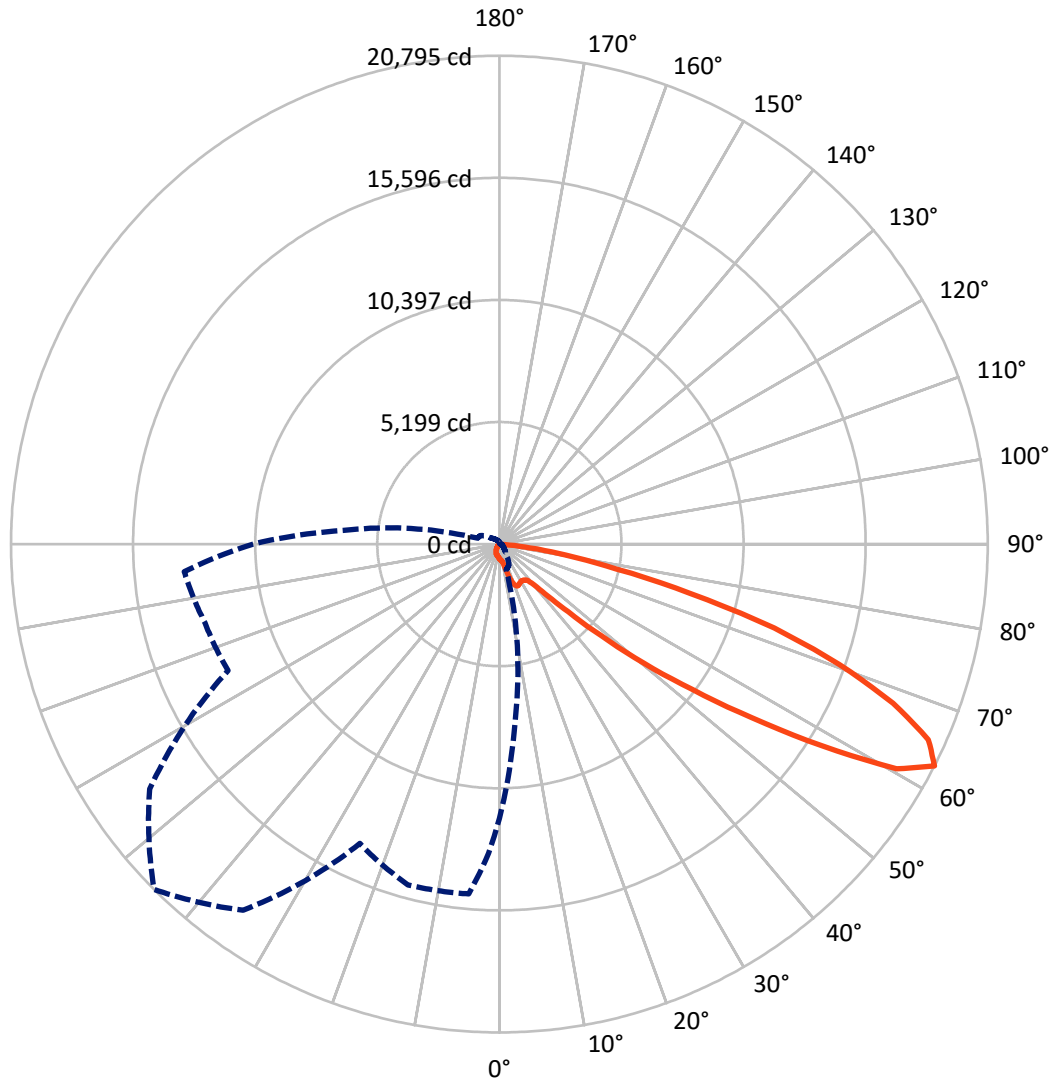
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.4 fc  
 Type III - Short - N/A

REPORT NUMBER: P637326  
CATALOG NUMBER: GWS-SA4C-750-U-SLL-W-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P637326

CATALOG NUMBER: GWS-SA4C-750-U-SLL-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1396.9	0.0	1396.9
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	10625.6	0.0	10625.6
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	12022.5	0.0	12022.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.8	0.4
10°-20°	184.5	1.5
20°-30°	416.9	3.5
30°-40°	718.2	6.0
40°-50°	1354.8	11.3
50°-60°	3025.0	25.2
60°-70°	4045.8	33.7
70°-80°	2028.9	16.9
80°-90°	194.5	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°	12022.5	100.0
0°-180°	12022.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P637326

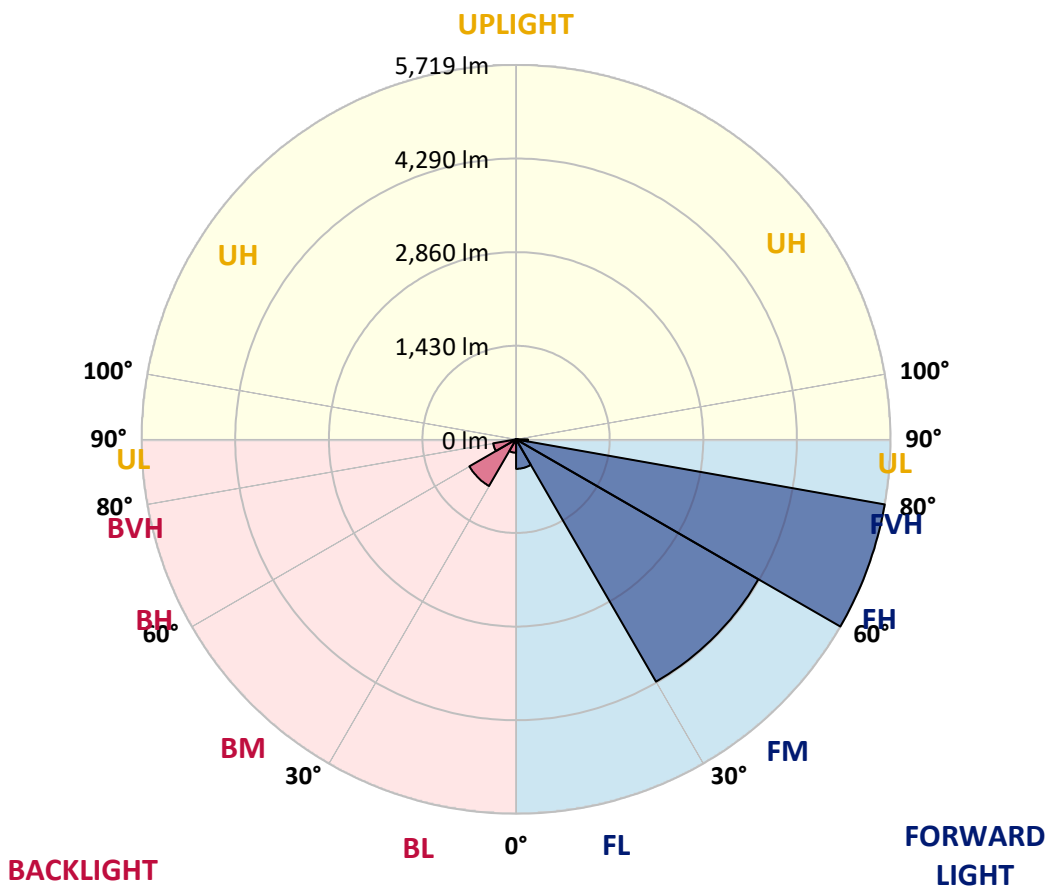
CATALOG NUMBER: GWS-SA4C-750-U-SLL-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	450.3	3.7			
FM (30°-60°)	4274.4	35.6			
FH (60°-80°)	5719.5	47.6			G3/7500
FVH (80°-90°)	181.5	1.5			G2/225
BL (0°-30°)	205.0	1.7	B1/500		
BM (30°-60°)	823.7	6.9	B1/1000		
BH (60°-80°)	355.2	3.0	B1/500		G1/500
BVH (80°-90°)	12.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type III Short





REPORT NUMBER: P637326

CATALOG NUMBER: GWS-SA4C-750-U-SLL-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5
2.5°	616.4	615.0	612.1	603.6	596.5	592.2	583.6	583.6	582.2	579.4	573.7
5°	596.5	590.8	585.1	569.4	552.3	542.4	531.0	529.6	529.6	526.7	525.3
7.5°	565.1	559.4	552.3	526.7	511.0	501.1	491.1	489.7	485.4	485.4	485.4
10°	548.1	539.5	528.1	499.7	484.0	475.5	468.3	464.1	461.2	457.0	455.5
12.5°	585.1	569.4	545.2	494.0	472.6	461.2	452.7	449.8	441.3	435.6	431.3
15°	700.4	661.9	613.5	506.8	468.3	451.3	439.9	434.2	427.1	417.1	410.0
17.5°	889.7	834.2	753.0	548.1	464.1	442.7	428.5	418.5	408.6	397.2	388.6
20°	1151.6	1069.1	972.3	623.5	464.1	432.8	415.7	402.9	388.6	375.8	365.8
22.5°	1484.7	1402.2	1237.0	751.6	469.8	419.9	400.0	382.9	365.8	354.5	343.1
25°	1857.7	1741.0	1587.2	906.8	485.4	402.9	381.5	364.4	348.8	334.5	321.7
27.5°	2273.4	2146.7	1941.7	1127.4	519.6	385.8	361.6	345.9	331.7	317.4	300.4
30°	2656.3	2580.9	2371.6	1392.2	575.1	374.4	345.9	331.7	317.4	298.9	283.3
32.5°	3116.1	2982.3	2810.0	1694.0	649.1	363.0	333.1	313.2	301.8	284.7	267.6
35°	3578.7	3464.9	3238.5	2065.5	731.7	351.6	317.4	298.9	289.0	269.0	250.5
37.5°	4055.6	4030.0	3806.5	2476.9	812.8	338.8	298.9	287.6	277.6	254.8	233.5
40°	4525.4	4478.4	4272.0	2946.7	862.7	324.6	283.3	276.2	264.8	239.2	215.0
42.5°	4975.2	4939.6	4738.9	3396.5	855.5	311.8	267.6	259.1	250.5	224.9	195.0
45°	5527.5	5469.2	5215.8	3729.6	782.9	326.0	252.0	237.7	236.3	212.1	175.1
47.5°	6561.0	6368.9	5938.9	3985.9	710.3	363.0	234.9	217.8	227.8	199.3	155.2
50°	8008.8	7782.4	7160.3	4185.2	708.9	411.4	232.0	199.3	220.6	189.3	138.1
52.5°	9463.6	9065.0	8309.1	4291.9	761.6	447.0	257.7	180.8	212.1	179.4	125.3
55°	10857.2	10030.2	8790.3	3938.9	802.9	485.4	304.6	170.8	196.4	168.0	118.2
57.5°	12185.4	10806.0	8999.5	3116.1	941.0	501.1	333.1	175.1	173.7	153.7	112.5
60°	12367.6	10769.0	8576.7	1812.1	1037.8	474.0	321.7	195.0	152.3	136.7	102.5
62.5°	11678.6	10052.9	7613.0	1130.3	963.7	464.1	286.1	222.1	138.1	121.0	89.7
65°	10632.3	8929.8	6347.5	728.8	730.3	515.3	250.5	217.8	129.5	106.8	76.9
67.5°	8996.7	7473.5	5000.8	488.3	412.8	439.9	219.2	149.5	126.7	91.1	59.8
70°	6566.7	5319.7	3255.6	326.0	246.3	351.6	183.6	106.8	119.6	75.4	42.7
72.5°	4800.1	3574.5	1817.8	213.5	139.5	205.0	135.2	76.9	92.5	55.5	29.9
75°	3454.9	2459.9	1037.8	136.7	92.5	112.5	88.3	52.7	59.8	44.1	27.0
77.5°	1662.7	1198.6	471.2	75.4	62.6	56.9	47.0	32.7	37.0	39.9	24.2
80°	62.6	47.0	35.6	37.0	39.9	25.6	21.4	17.1	21.4	27.0	12.8
82.5°	0.0	0.0	0.0	4.3	5.7	7.1	8.5	7.1	8.5	10.0	1.4
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: P637326

CATALOG NUMBER: GWS-SA4C-750-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5
2.5°	578.0	575.1	578.0	580.8	583.6	586.5	582.2	585.1	587.9	580.8	583.6
5°	532.4	531.0	539.5	543.8	549.5	552.3	549.5	549.5	548.1	539.5	539.5
7.5°	492.5	494.0	501.1	511.0	518.2	522.4	519.6	518.2	513.9	501.1	501.1
10°	462.6	462.6	474.0	482.6	492.5	496.8	494.0	489.7	485.4	472.6	471.2
12.5°	438.4	438.4	447.0	461.2	472.6	478.3	476.9	471.2	464.1	451.3	449.8
15°	415.7	414.2	427.1	439.9	455.5	462.6	459.8	455.5	442.7	431.3	428.5
17.5°	392.9	391.5	402.9	419.9	437.0	447.0	445.6	435.6	424.2	410.0	407.1
20°	370.1	367.3	381.5	398.6	415.7	425.6	422.8	414.2	400.0	385.8	382.9
22.5°	347.3	345.9	355.9	370.1	385.8	394.3	392.9	385.8	371.5	358.7	358.7
25°	321.7	321.7	328.8	338.8	350.2	354.5	355.9	353.0	344.5	337.4	337.4
27.5°	300.4	296.1	298.9	301.8	307.5	314.6	314.6	317.4	318.9	316.0	317.4
30°	283.3	276.2	271.9	266.2	263.4	266.2	269.0	279.0	289.0	294.7	297.5
32.5°	263.4	254.8	243.4	227.8	217.8	215.0	223.5	242.0	260.5	273.3	280.4
35°	243.4	232.0	210.7	187.9	175.1	170.8	180.8	202.1	229.2	252.0	261.9
37.5°	223.5	207.8	177.9	150.9	136.7	133.8	143.8	166.6	197.9	229.2	242.0
40°	200.7	182.2	146.6	118.2	106.8	103.9	112.5	135.2	168.0	203.6	223.5
42.5°	177.9	155.2	118.2	94.0	82.6	82.6	94.0	111.0	140.9	179.4	203.6
45°	155.2	131.0	96.8	75.4	68.3	69.8	76.9	94.0	118.2	158.0	180.8
47.5°	133.8	112.5	79.7	62.6	56.9	58.4	66.9	81.1	101.1	136.7	160.9
50°	115.3	95.4	69.8	52.7	48.4	51.2	59.8	72.6	89.7	121.0	140.9
52.5°	103.9	85.4	64.1	45.6	42.7	45.6	54.1	65.5	81.1	106.8	126.7
55°	98.2	84.0	64.1	41.3	37.0	39.9	48.4	59.8	72.6	96.8	113.9
57.5°	96.8	86.8	68.3	37.0	31.3	34.2	42.7	54.1	66.9	88.3	102.5
60°	91.1	82.6	66.9	29.9	24.2	28.5	35.6	47.0	61.2	82.6	95.4
62.5°	79.7	72.6	58.4	24.2	18.5	21.4	29.9	41.3	55.5	75.4	89.7
65°	65.5	58.4	45.6	15.7	11.4	14.2	22.8	35.6	48.4	68.3	81.1
67.5°	48.4	41.3	31.3	10.0	5.7	10.0	18.5	29.9	44.1	61.2	74.0
70°	29.9	24.2	17.1	5.7	4.3	8.5	17.1	28.5	39.9	56.9	69.8
72.5°	17.1	11.4	7.1	2.8	4.3	8.5	17.1	28.5	38.4	54.1	65.5
75°	12.8	7.1	2.8	1.4	2.8	7.1	15.7	25.6	37.0	51.2	62.6
77.5°	8.5	4.3	1.4	0.0	1.4	5.7	14.2	24.2	34.2	48.4	59.8
80°	1.4	0.0	0.0	0.0	0.0	4.3	12.8	21.4	31.3	42.7	52.7
82.5°	0.0	0.0	0.0	0.0	0.0	1.4	10.0	18.5	27.0	35.6	42.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	5.7	14.2	21.4	27.0	29.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	14.2	17.1	19.9
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: P637326

CATALOG NUMBER: GWS-SA4C-750-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5
2.5°	582.2	590.8	590.8	596.5	603.6	616.4	623.5	633.5	640.6	647.7	650.6
5°	538.1	539.5	540.9	543.8	552.3	566.6	579.4	595.0	613.5	627.8	636.3
7.5°	501.1	501.1	501.1	505.4	513.9	523.9	536.7	558.0	579.4	596.5	610.7
10°	469.8	474.0	475.5	482.6	492.5	505.4	519.6	538.1	562.3	585.1	610.7
12.5°	449.8	454.1	461.2	468.3	478.3	492.5	508.2	532.4	582.2	629.2	683.3
15°	431.3	437.0	445.6	455.5	466.9	482.6	499.7	549.5	666.2	754.5	839.9
17.5°	411.4	419.9	431.3	441.3	455.5	472.6	494.0	590.8	820.0	966.6	1111.8
20°	385.8	397.2	410.0	425.6	442.7	462.6	494.0	676.2	1042.0	1252.7	1444.9
22.5°	361.6	373.0	388.6	408.6	428.5	448.4	501.1	805.7	1328.1	1594.3	1837.8
25°	341.6	355.9	371.5	388.6	411.4	434.2	518.2	987.9	1672.6	2015.7	2188.0
27.5°	323.1	340.2	355.9	370.1	390.0	415.7	556.6	1231.3	2079.8	2428.5	2563.8
30°	304.6	324.6	340.2	354.5	374.4	401.4	615.0	1541.7	2532.5	2871.3	2885.5
32.5°	289.0	307.5	326.0	340.2	358.7	390.0	696.1	1904.7	2996.5	3323.9	3190.1
35°	271.9	293.2	310.3	326.0	345.9	380.1	790.1	2296.1	3464.9	3739.6	3493.3
37.5°	254.8	279.0	300.4	311.8	331.7	370.1	858.4	2704.7	3943.2	4145.3	3759.5
40°	239.2	266.2	290.4	301.8	311.8	357.3	868.4	3123.2	4428.6	4545.3	4010.1
42.5°	222.1	252.0	273.3	289.0	297.5	348.8	808.6	3476.2	4835.7	4943.9	4337.5
45°	203.6	239.2	256.2	267.6	284.7	354.5	731.7	3749.6	5301.2	5487.7	4877.0
47.5°	185.1	224.9	239.2	247.7	270.5	388.6	703.2	3931.8	6068.5	6455.7	5786.6
50°	168.0	212.1	227.8	226.3	267.6	432.8	734.5	4069.9	7221.5	7677.1	7033.6
52.5°	149.5	197.9	216.4	210.7	289.0	466.9	797.2	4179.5	8108.4	9109.1	8709.1
55°	133.8	182.2	199.3	197.9	328.8	492.5	845.6	3601.5	8475.7	10440.1	10596.7
57.5°	122.4	165.1	179.4	203.6	354.5	492.5	978.0	2556.7	8482.8	11419.5	13102.1
60°	112.5	149.5	159.4	223.5	344.5	466.9	968.0	1565.9	7818.0	11352.6	14434.5
62.5°	103.9	135.2	148.0	229.2	304.6	462.6	874.0	970.8	6667.8	10488.5	13468.0
65°	96.8	123.8	142.4	210.7	276.2	495.4	589.3	697.5	5408.0	9503.5	12359.0
67.5°	89.7	113.9	150.9	172.2	250.5	442.7	425.6	495.4	4245.0	8423.0	11341.2
70°	84.0	108.2	159.4	140.9	219.2	345.9	301.8	375.8	3249.9	7027.9	9907.7
72.5°	79.7	101.1	133.8	111.0	177.9	267.6	210.7	273.3	2123.9	5486.3	8077.1
75°	75.4	92.5	98.2	89.7	132.4	175.1	159.4	183.6	1265.5	4010.1	6128.3
77.5°	74.0	86.8	79.7	72.6	89.7	103.9	121.0	123.8	617.8	2005.7	3211.5
80°	65.5	78.3	68.3	59.8	61.2	68.3	89.7	82.6	140.9	509.6	857.0
82.5°	51.2	61.2	56.9	49.8	49.8	49.8	59.8	55.5	45.6	229.2	387.2
85°	35.6	42.7	42.7	39.9	38.4	38.4	37.0	35.6	12.8	14.2	21.4
87.5°	24.2	29.9	31.3	29.9	25.6	22.8	19.9	17.1	5.7	0.0	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: P637326

CATALOG NUMBER: GWS-SA4C-750-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5	623.5
2.5°	660.5	664.8	664.8	659.1	654.8	643.4	632.0	620.7	617.8	616.4
5°	660.5	677.6	686.1	684.7	674.8	656.2	632.0	606.4	599.3	596.5
7.5°	650.6	683.3	708.9	713.2	694.7	661.9	617.8	579.4	569.4	565.1
10°	673.3	737.4	788.6	795.8	774.4	710.3	639.2	573.7	558.0	548.1
12.5°	795.8	901.1	963.7	993.6	952.3	871.2	753.0	636.3	600.7	585.1
15°	1043.4	1192.9	1312.5	1312.5	1274.1	1130.3	980.8	791.5	743.1	700.4
17.5°	1360.9	1548.8	1654.1	1642.7	1584.4	1483.3	1303.9	1032.1	933.8	889.7
20°	1722.5	1834.9	1859.1	1852.0	1826.4	1768.0	1644.2	1352.3	1220.0	1151.6
22.5°	2035.6	2005.7	1970.2	1941.7	1934.6	1951.7	1934.6	1709.7	1605.7	1484.7
25°	2247.7	2078.3	1971.6	1920.3	1944.5	2042.8	2149.5	2065.5	1983.0	1857.7
27.5°	2363.1	2069.8	1916.1	1863.4	1904.7	2044.2	2276.2	2418.6	2333.2	2273.4
30°	2425.7	2062.7	1880.5	1829.2	1891.9	2067.0	2364.5	2748.8	2751.7	2656.3
32.5°	2515.4	2108.2	1887.6	1840.6	1924.6	2135.3	2475.5	3084.8	3167.3	3116.1
35°	2616.4	2178.0	1920.3	1877.6	1981.5	2226.4	2599.4	3423.6	3595.8	3578.7
37.5°	2711.8	2256.3	1997.2	1955.9	2068.4	2304.7	2718.9	3756.7	3995.8	4055.6
40°	2811.5	2365.9	2233.5	2273.4	2336.0	2428.5	2825.7	4045.7	4435.7	4525.4
42.5°	3046.3	2746.0	2948.1	3023.6	3032.1	2841.4	3059.2	4415.8	4868.5	4975.2
45°	3570.2	3422.2	4001.5	4108.3	4052.8	3474.8	3621.4	4949.6	5473.5	5527.5
47.5°	4232.1	4300.5	5443.6	5812.3	5479.1	4222.2	4303.3	6072.8	6581.0	6561.0
50°	5003.7	5326.8	7080.6	7950.4	7153.2	5193.0	5089.1	7453.6	8070.0	8008.8
52.5°	5916.2	6519.7	9047.9	10283.5	9529.1	6284.9	6242.2	9282.8	9658.6	9463.6
55°	7065.0	7671.4	11311.3	13038.1	11964.7	7617.3	7763.9	11403.9	11476.5	10857.2
57.5°	8778.9	9173.2	13979.0	16196.9	14507.1	9428.0	10491.4	14226.7	13358.4	12185.4
60°	11890.7	11104.9	16557.0	19428.3	17211.8	11974.7	14088.6	15899.4	13984.7	12367.6
62.5°	12974.0	12744.8	18171.3	20794.9	19031.1	14065.9	15023.9	14951.3	13173.3	11678.6
65°	11332.7	12336.3	17882.3	20073.1	18797.7	13721.4	13482.2	13905.0	12259.4	10632.3
67.5°	10468.6	11376.8	16787.6	18081.6	17503.7	12552.6	12017.4	11902.1	10292.1	8996.7
70°	9597.4	10497.1	15200.4	15361.3	15092.2	10648.0	9944.7	9171.8	7692.7	6566.7
72.5°	8549.7	9045.1	12998.2	12235.2	11930.6	8363.2	8215.2	6906.9	5766.7	4800.1
75°	7456.4	7312.6	10134.1	8397.4	8625.1	6506.9	6938.3	5072.0	4225.0	3454.9
77.5°	5423.6	5316.9	6787.4	5100.5	5648.5	4262.0	3829.3	2024.3	1927.5	1662.7
80°	3026.4	3648.5	3665.6	2858.4	3565.9	2778.7	958.0	66.9	42.7	62.6
82.5°	1406.4	1568.7	1987.2	1325.3	2034.2	1376.5	197.9	0.0	0.0	0.0
85°	455.5	666.2	558.0	195.0	492.5	465.5	32.7	0.0	0.0	0.0
87.5°	27.0	55.5	14.2	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)