

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: P633366

Luminaire Tested: GWS-SA2E-750-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633366  
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-SA2E-750-U-SLL-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

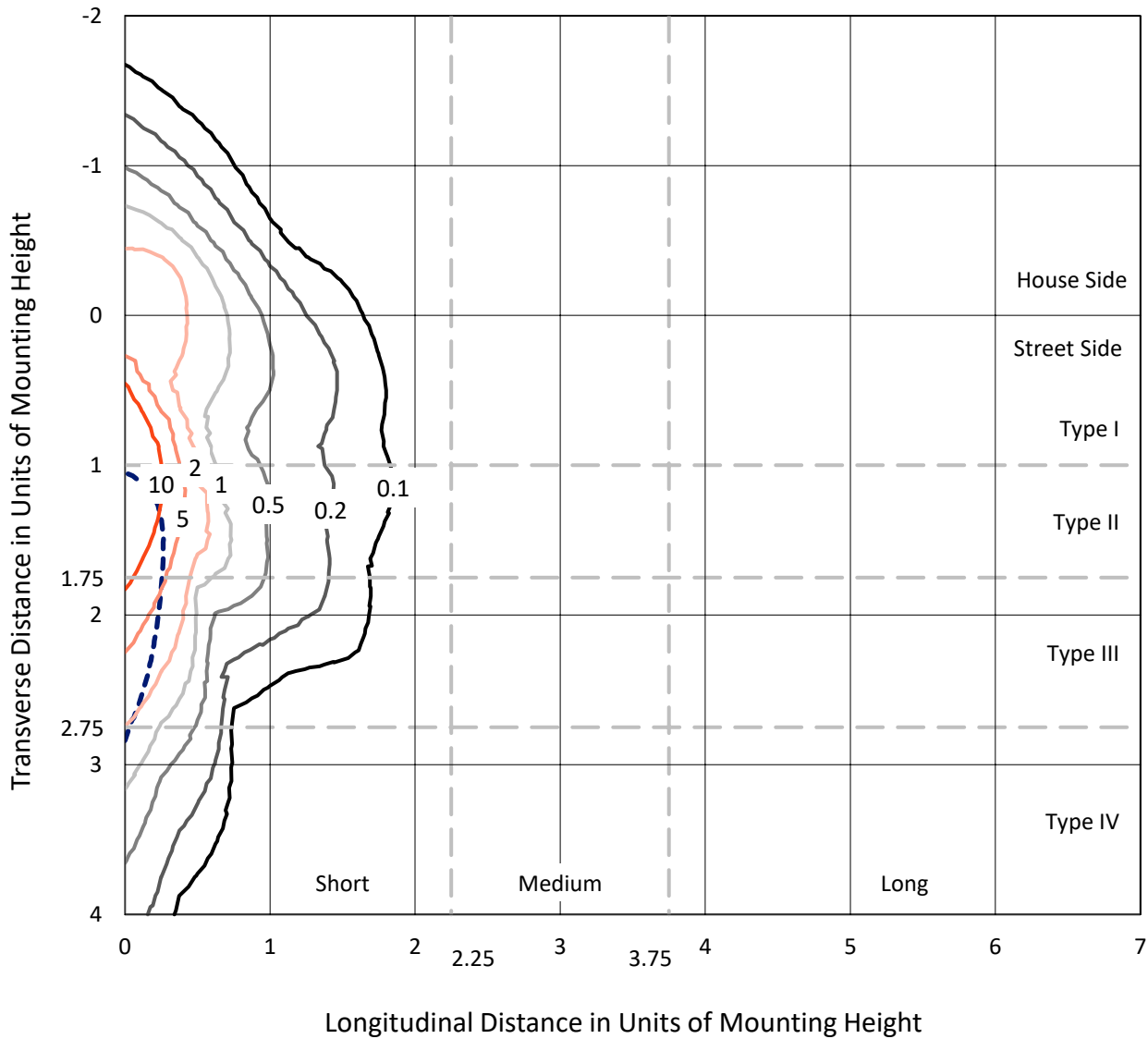
Lumens per Lamp: N/A  
Luminaire Lumens: 9036.9 lumens  
Efficiency: N/A  
Efficacy: 83.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): 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: P633366  
 CATALOG NUMBER: GWS-SA2E-750-U-SLL-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

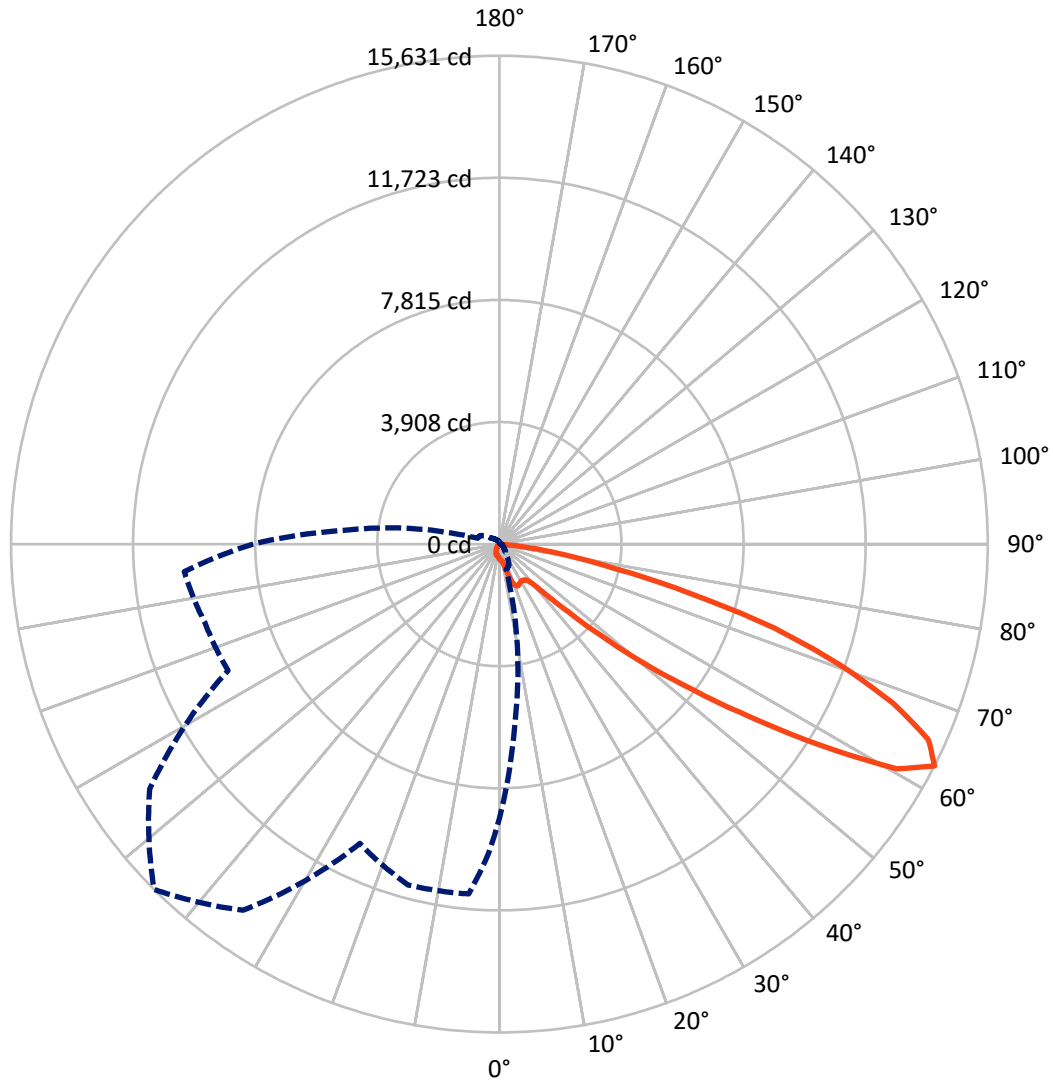
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.1 fc  
 Type III - Short - N/A

REPORT NUMBER: P633366  
CATALOG NUMBER: GWS-SA2E-750-U-SLL-W-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P633366  
 CATALOG NUMBER: GWS-SA2E-750-U-SLL-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1050.0	0.0	1050.0
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	7986.9	0.0	7986.9
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	9036.9	0.0	9036.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.5	0.4
10°-20°	138.7	1.5
20°-30°	313.4	3.5
30°-40°	539.9	6.0
40°-50°	1018.4	11.3
50°-60°	2273.8	25.2
60°-70°	3041.1	33.7
70°-80°	1525.0	16.9
80°-90°	146.2	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°	9036.9	100.0
0°-180°	9036.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P633366

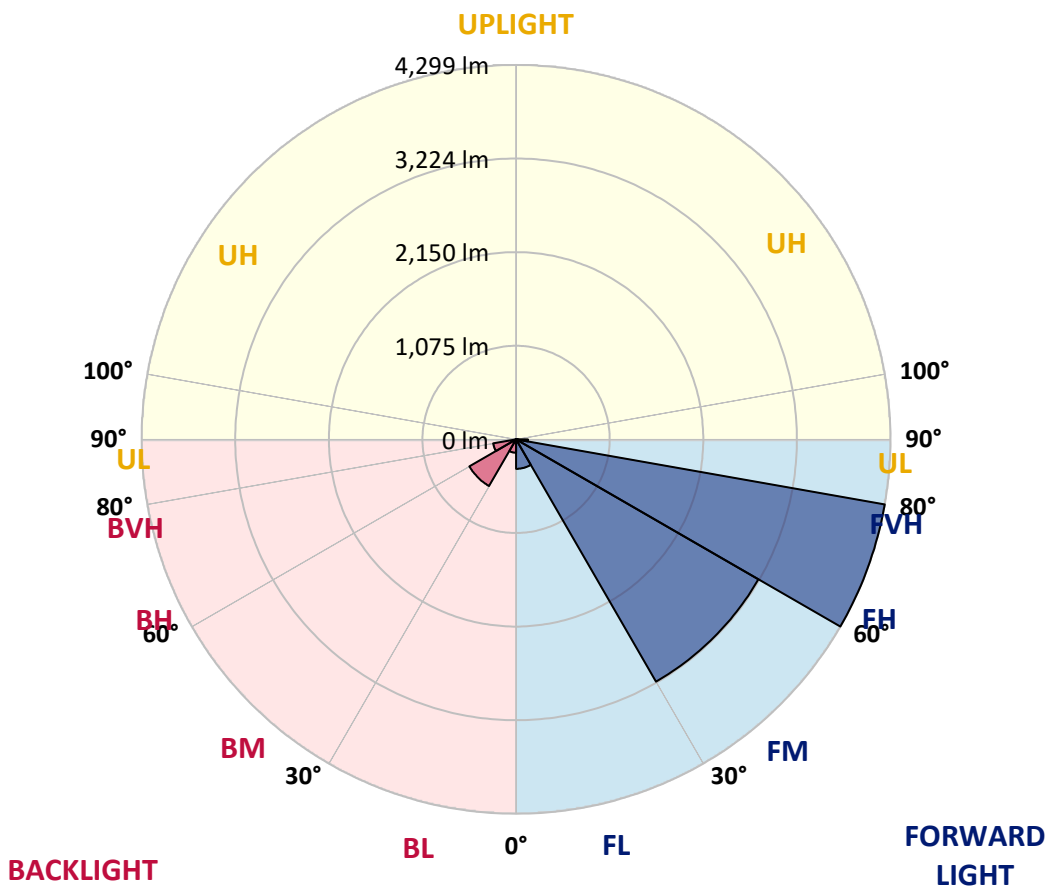
CATALOG NUMBER: GWS-SA2E-750-U-SLL-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	338.4	3.7			
FM (30°-60°)	3212.9	35.6			
FH (60°-80°)	4299.1	47.6			G2/5000
FVH (80°-90°)	136.4	1.5			G2/225
BL (0°-30°)	154.1	1.7	B1/500		
BM (30°-60°)	619.1	6.9	B1/1000		
BH (60°-80°)	267.0	3.0	B1/500		G1/500
BVH (80°-90°)	9.7	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: P633366  
 CATALOG NUMBER: GWS-SA2E-750-U-SLL-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7
2.5°	463.3	462.2	460.1	453.7	448.3	445.1	438.7	438.7	437.6	435.5	431.2
5°	448.3	444.1	439.8	428.0	415.2	407.7	399.1	398.0	398.0	395.9	394.8
7.5°	424.8	420.5	415.2	395.9	384.1	376.6	369.2	368.1	364.9	364.9	364.9
10°	412.0	405.5	397.0	375.6	363.8	357.4	352.0	348.8	346.7	343.5	342.4
12.5°	439.8	428.0	409.8	371.3	355.2	346.7	340.3	338.1	331.7	327.4	324.2
15°	526.4	497.6	461.2	380.9	352.0	339.2	330.6	326.4	321.0	313.5	308.2
17.5°	668.8	627.0	566.0	412.0	348.8	332.8	322.1	314.6	307.1	298.5	292.1
20°	865.6	803.6	730.8	468.7	348.8	325.3	312.4	302.8	292.1	282.5	275.0
22.5°	1116.0	1054.0	929.8	565.0	353.1	315.7	300.7	287.8	275.0	266.4	257.9
25°	1396.4	1308.6	1193.1	681.6	364.9	302.8	286.8	273.9	262.2	251.5	241.8
27.5°	1708.8	1613.6	1459.5	847.5	390.6	290.0	271.8	260.0	249.3	238.6	225.8
30°	1996.6	1939.9	1782.6	1046.5	432.3	281.4	260.0	249.3	238.6	224.7	212.9
32.5°	2342.3	2241.7	2112.2	1273.3	487.9	272.9	250.4	235.4	226.8	214.0	201.2
35°	2690.0	2604.4	2434.3	1552.6	550.0	264.3	238.6	224.7	217.2	202.2	188.3
37.5°	3048.5	3029.2	2861.2	1861.8	611.0	254.7	224.7	216.1	208.7	191.5	175.5
40°	3401.6	3366.3	3211.1	2214.9	648.4	244.0	212.9	207.6	199.0	179.8	161.6
42.5°	3739.7	3713.0	3562.1	2553.1	643.1	234.3	201.2	194.7	188.3	169.1	146.6
45°	4154.9	4111.0	3920.5	2803.4	588.5	245.0	189.4	178.7	177.6	159.4	131.6
47.5°	4931.7	4787.2	4464.1	2996.0	533.9	272.9	176.6	163.7	171.2	149.8	116.6
50°	6019.9	5849.8	5382.2	3145.8	532.9	309.2	174.4	149.8	165.9	142.3	103.8
52.5°	7113.5	6813.9	6245.7	3226.1	572.5	336.0	193.7	135.9	159.4	134.8	94.2
55°	8161.0	7539.3	6607.3	2960.7	603.5	364.9	229.0	128.4	147.7	126.3	88.8
57.5°	9159.3	8122.5	6764.6	2342.3	707.3	376.6	250.4	131.6	130.5	115.6	84.5
60°	9296.3	8094.7	6446.8	1362.1	780.0	356.3	241.8	146.6	114.5	102.7	77.0
62.5°	8778.4	7556.4	5722.4	849.6	724.4	348.8	215.1	166.9	103.8	91.0	67.4
65°	7991.9	6712.2	4771.2	547.8	548.9	387.3	188.3	163.7	97.4	80.3	57.8
67.5°	6762.5	5617.6	3759.0	367.0	310.3	330.6	164.8	112.4	95.2	68.5	44.9
70°	4936.0	3998.6	2447.1	245.0	185.1	264.3	138.0	80.3	89.9	56.7	32.1
72.5°	3608.1	2686.8	1366.4	160.5	104.9	154.1	101.7	57.8	69.6	41.7	22.5
75°	2596.9	1849.0	780.0	102.7	69.6	84.5	66.3	39.6	44.9	33.2	20.3
77.5°	1249.8	901.0	354.2	56.7	47.1	42.8	35.3	24.6	27.8	30.0	18.2
80°	47.1	35.3	26.8	27.8	30.0	19.3	16.1	12.8	16.1	20.3	9.6
82.5°	0.0	0.0	0.0	3.2	4.3	5.4	6.4	5.4	6.4	7.5	1.1
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: P633366  
 CATALOG NUMBER: GWS-SA2E-750-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7
2.5°	434.4	432.3	434.4	436.6	438.7	440.8	437.6	439.8	441.9	436.6	438.7
5°	400.2	399.1	405.5	408.7	413.0	415.2	413.0	413.0	412.0	405.5	405.5
7.5°	370.2	371.3	376.6	384.1	389.5	392.7	390.6	389.5	386.3	376.6	376.6
10°	347.8	347.8	356.3	362.7	370.2	373.4	371.3	368.1	364.9	355.2	354.2
12.5°	329.6	329.6	336.0	346.7	355.2	359.5	358.5	354.2	348.8	339.2	338.1
15°	312.4	311.4	321.0	330.6	342.4	347.8	345.6	342.4	332.8	324.2	322.1
17.5°	295.3	294.3	302.8	315.7	328.5	336.0	334.9	327.4	318.9	308.2	306.0
20°	278.2	276.1	286.8	299.6	312.4	319.9	317.8	311.4	300.7	290.0	287.8
22.5°	261.1	260.0	267.5	278.2	290.0	296.4	295.3	290.0	279.3	269.6	269.6
25°	241.8	241.8	247.2	254.7	263.2	266.4	267.5	265.4	258.9	253.6	253.6
27.5°	225.8	222.6	224.7	226.8	231.1	236.5	236.5	238.6	239.7	237.5	238.6
30°	212.9	207.6	204.4	200.1	198.0	200.1	202.2	209.7	217.2	221.5	223.6
32.5°	198.0	191.5	183.0	171.2	163.7	161.6	168.0	181.9	195.8	205.4	210.8
35°	183.0	174.4	158.4	141.2	131.6	128.4	135.9	151.9	172.3	189.4	196.9
37.5°	168.0	156.2	133.8	113.4	102.7	100.6	108.1	125.2	148.7	172.3	181.9
40°	150.9	137.0	110.2	88.8	80.3	78.1	84.5	101.7	126.3	153.0	168.0
42.5°	133.8	116.6	88.8	70.6	62.1	62.1	70.6	83.5	105.9	134.8	153.0
45°	116.6	98.4	72.8	56.7	51.4	52.4	57.8	70.6	88.8	118.8	135.9
47.5°	100.6	84.5	59.9	47.1	42.8	43.9	50.3	61.0	76.0	102.7	120.9
50°	86.7	71.7	52.4	39.6	36.4	38.5	44.9	54.6	67.4	91.0	105.9
52.5°	78.1	64.2	48.2	34.2	32.1	34.2	40.7	49.2	61.0	80.3	95.2
55°	73.8	63.1	48.2	31.0	27.8	30.0	36.4	44.9	54.6	72.8	85.6
57.5°	72.8	65.3	51.4	27.8	23.5	25.7	32.1	40.7	50.3	66.3	77.0
60°	68.5	62.1	50.3	22.5	18.2	21.4	26.8	35.3	46.0	62.1	71.7
62.5°	59.9	54.6	43.9	18.2	13.9	16.1	22.5	31.0	41.7	56.7	67.4
65°	49.2	43.9	34.2	11.8	8.6	10.7	17.1	26.8	36.4	51.4	61.0
67.5°	36.4	31.0	23.5	7.5	4.3	7.5	13.9	22.5	33.2	46.0	55.6
70°	22.5	18.2	12.8	4.3	3.2	6.4	12.8	21.4	30.0	42.8	52.4
72.5°	12.8	8.6	5.4	2.1	3.2	6.4	12.8	21.4	28.9	40.7	49.2
75°	9.6	5.4	2.1	1.1	2.1	5.4	11.8	19.3	27.8	38.5	47.1
77.5°	6.4	3.2	1.1	0.0	1.1	4.3	10.7	18.2	25.7	36.4	44.9
80°	1.1	0.0	0.0	0.0	0.0	3.2	9.6	16.1	23.5	32.1	39.6
82.5°	0.0	0.0	0.0	0.0	0.0	1.1	7.5	13.9	20.3	26.8	32.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.3	10.7	16.1	20.3	22.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	10.7	12.8	15.0
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: P633366

CATALOG NUMBER: GWS-SA2E-750-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7
2.5°	437.6	444.1	444.1	448.3	453.7	463.3	468.7	476.2	481.5	486.9	489.0
5°	404.5	405.5	406.6	408.7	415.2	425.9	435.5	447.3	461.2	471.9	478.3
7.5°	376.6	376.6	376.6	379.9	386.3	393.8	403.4	419.4	435.5	448.3	459.0
10°	353.1	356.3	357.4	362.7	370.2	379.9	390.6	404.5	422.7	439.8	459.0
12.5°	338.1	341.3	346.7	352.0	359.5	370.2	382.0	400.2	437.6	472.9	513.6
15°	324.2	328.5	334.9	342.4	351.0	362.7	375.6	413.0	500.8	567.1	631.3
17.5°	309.2	315.7	324.2	331.7	342.4	355.2	371.3	444.1	616.3	726.5	835.7
20°	290.0	298.5	308.2	319.9	332.8	347.8	371.3	508.3	783.3	941.6	1086.1
22.5°	271.8	280.3	292.1	307.1	322.1	337.1	376.6	605.6	998.3	1198.4	1381.4
25°	256.8	267.5	279.3	292.1	309.2	326.4	389.5	742.6	1257.3	1515.1	1644.6
27.5°	242.9	255.7	267.5	278.2	293.2	312.4	418.4	925.6	1563.3	1825.4	1927.1
30°	229.0	244.0	255.7	266.4	281.4	301.7	462.2	1158.8	1903.6	2158.2	2168.9
32.5°	217.2	231.1	245.0	255.7	269.6	293.2	523.2	1431.7	2252.4	2498.5	2397.9
35°	204.4	220.4	233.3	245.0	260.0	285.7	593.9	1725.9	2604.4	2810.9	2625.8
37.5°	191.5	209.7	225.8	234.3	249.3	278.2	645.2	2033.0	2963.9	3115.9	2825.9
40°	179.8	200.1	218.3	226.8	234.3	268.6	652.7	2347.6	3328.8	3416.6	3014.2
42.5°	166.9	189.4	205.4	217.2	223.6	262.2	607.8	2613.0	3634.8	3716.2	3260.3
45°	153.0	179.8	192.6	201.2	214.0	266.4	550.0	2818.4	3984.7	4124.9	3665.9
47.5°	139.1	169.1	179.8	186.2	203.3	292.1	528.6	2955.4	4561.5	4852.5	4349.6
50°	126.3	159.4	171.2	170.1	201.2	325.3	552.1	3059.2	5428.2	5770.6	5286.9
52.5°	112.4	148.7	162.6	158.4	217.2	351.0	599.2	3141.6	6094.8	6847.0	6546.4
55°	100.6	137.0	149.8	148.7	247.2	370.2	635.6	2707.1	6370.9	7847.5	7965.2
57.5°	92.0	124.1	134.8	153.0	266.4	370.2	735.1	1921.7	6376.2	8583.7	9848.4
60°	84.5	112.4	119.8	168.0	258.9	351.0	727.6	1177.0	5876.5	8533.4	10850.0
62.5°	78.1	101.7	111.3	172.3	229.0	347.8	657.0	729.8	5012.0	7883.9	10123.4
65°	72.8	93.1	107.0	158.4	207.6	372.4	443.0	524.3	4065.0	7143.4	9289.9
67.5°	67.4	85.6	113.4	129.5	188.3	332.8	319.9	372.4	3190.8	6331.3	8524.8
70°	63.1	81.3	119.8	105.9	164.8	260.0	226.8	282.5	2442.8	5282.7	7447.3
72.5°	59.9	76.0	100.6	83.5	133.8	201.2	158.4	205.4	1596.5	4123.8	6071.3
75°	56.7	69.6	73.8	67.4	99.5	131.6	119.8	138.0	951.2	3014.2	4606.4
77.5°	55.6	65.3	59.9	54.6	67.4	78.1	91.0	93.1	464.4	1507.7	2414.0
80°	49.2	58.9	51.4	44.9	46.0	51.4	67.4	62.1	105.9	383.1	644.1
82.5°	38.5	46.0	42.8	37.5	37.5	37.5	44.9	41.7	34.2	172.3	291.0
85°	26.8	32.1	32.1	30.0	28.9	28.9	27.8	26.8	9.6	10.7	16.1
87.5°	18.2	22.5	23.5	22.5	19.3	17.1	15.0	12.8	4.3	0.0	2.1
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: P633366

CATALOG NUMBER: GWS-SA2E-750-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7
2.5°	496.5	499.7	499.7	495.4	492.2	483.6	475.1	466.5	464.4	463.3
5°	496.5	509.3	515.7	514.7	507.2	493.3	475.1	455.8	450.5	448.3
7.5°	489.0	513.6	532.9	536.1	522.2	497.6	464.4	435.5	428.0	424.8
10°	506.1	554.3	592.8	598.1	582.1	533.9	480.4	431.2	419.4	412.0
12.5°	598.1	677.3	724.4	746.9	715.8	654.8	566.0	478.3	451.5	439.8
15°	784.3	896.7	986.6	986.6	957.7	849.6	737.2	594.9	558.5	526.4
17.5°	1022.9	1164.2	1243.4	1234.8	1190.9	1115.0	980.1	775.8	701.9	668.8
20°	1294.7	1379.2	1397.4	1392.1	1372.8	1329.0	1235.9	1016.5	917.0	865.6
22.5°	1530.1	1507.7	1480.9	1459.5	1454.2	1467.0	1454.2	1285.1	1207.0	1116.0
25°	1689.6	1562.2	1482.0	1443.5	1461.6	1535.5	1615.7	1552.6	1490.5	1396.4
27.5°	1776.2	1555.8	1440.2	1400.6	1431.7	1536.5	1711.0	1818.0	1753.8	1708.8
30°	1823.3	1550.5	1413.5	1375.0	1422.1	1553.7	1777.3	2066.2	2068.3	1996.6
32.5°	1890.7	1584.7	1418.8	1383.5	1446.7	1605.0	1860.8	2318.7	2380.8	2342.3
35°	1966.7	1637.1	1443.5	1411.3	1489.5	1673.5	1953.8	2573.4	2702.9	2690.0
37.5°	2038.4	1696.0	1501.2	1470.2	1554.7	1732.4	2043.7	2823.8	3003.5	3048.5
40°	2113.3	1778.4	1678.9	1708.8	1755.9	1825.4	2124.0	3041.0	3334.2	3401.6
42.5°	2289.8	2064.1	2216.0	2272.7	2279.1	2135.8	2299.5	3319.2	3659.5	3739.7
45°	2683.6	2572.3	3007.8	3088.1	3046.3	2611.9	2722.1	3720.4	4114.2	4154.9
47.5°	3181.2	3232.5	4091.7	4368.9	4118.5	3173.7	3234.7	4564.7	4946.7	4931.7
50°	3761.1	4004.0	5322.3	5976.0	5376.8	3903.4	3825.3	5602.6	6065.9	6019.9
52.5°	4447.0	4900.7	6801.0	7729.8	7162.7	4724.1	4692.0	6977.6	7260.1	7113.5
55°	5310.5	5766.3	8502.3	9800.3	8993.5	5725.7	5835.9	8571.9	8626.5	8161.0
57.5°	6598.8	6895.2	10507.5	12174.6	10904.5	7086.7	7886.0	10693.7	10041.0	9159.3
60°	8937.8	8347.2	12445.3	14603.6	12937.6	9001.0	10589.9	11951.0	10511.8	9296.3
62.5°	9752.1	9579.8	13658.7	15630.8	14305.0	10572.8	11292.9	11238.4	9901.9	8778.4
65°	8518.4	9272.8	13441.5	15088.3	14129.5	10313.9	10134.1	10451.9	9215.0	7991.9
67.5°	7868.9	8551.6	12618.7	13591.3	13156.9	9435.4	9033.1	8946.4	7736.2	6762.5
70°	7214.0	7890.3	11425.6	11546.5	11344.3	8003.7	7475.1	6894.1	5782.4	4936.0
72.5°	6426.5	6798.9	9770.3	9196.8	8967.8	6286.3	6175.1	5191.7	4334.6	3608.1
75°	5604.7	5496.7	7617.4	6312.0	6483.2	4891.0	5215.3	3812.5	3175.8	2596.9
77.5°	4076.8	3996.5	5101.8	3833.9	4245.8	3203.6	2878.3	1521.6	1448.8	1249.8
80°	2274.9	2742.4	2755.3	2148.6	2680.4	2088.7	720.1	50.3	32.1	47.1
82.5°	1057.2	1179.2	1493.7	996.2	1529.1	1034.7	148.7	0.0	0.0	0.0
85°	342.4	500.8	419.4	146.6	370.2	349.9	24.6	0.0	0.0	0.0
87.5°	20.3	41.7	10.7	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

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