

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: P634356

Luminaire Tested: GWS-SA3B-750-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634356  
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-SA3B-750-U-SLL-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

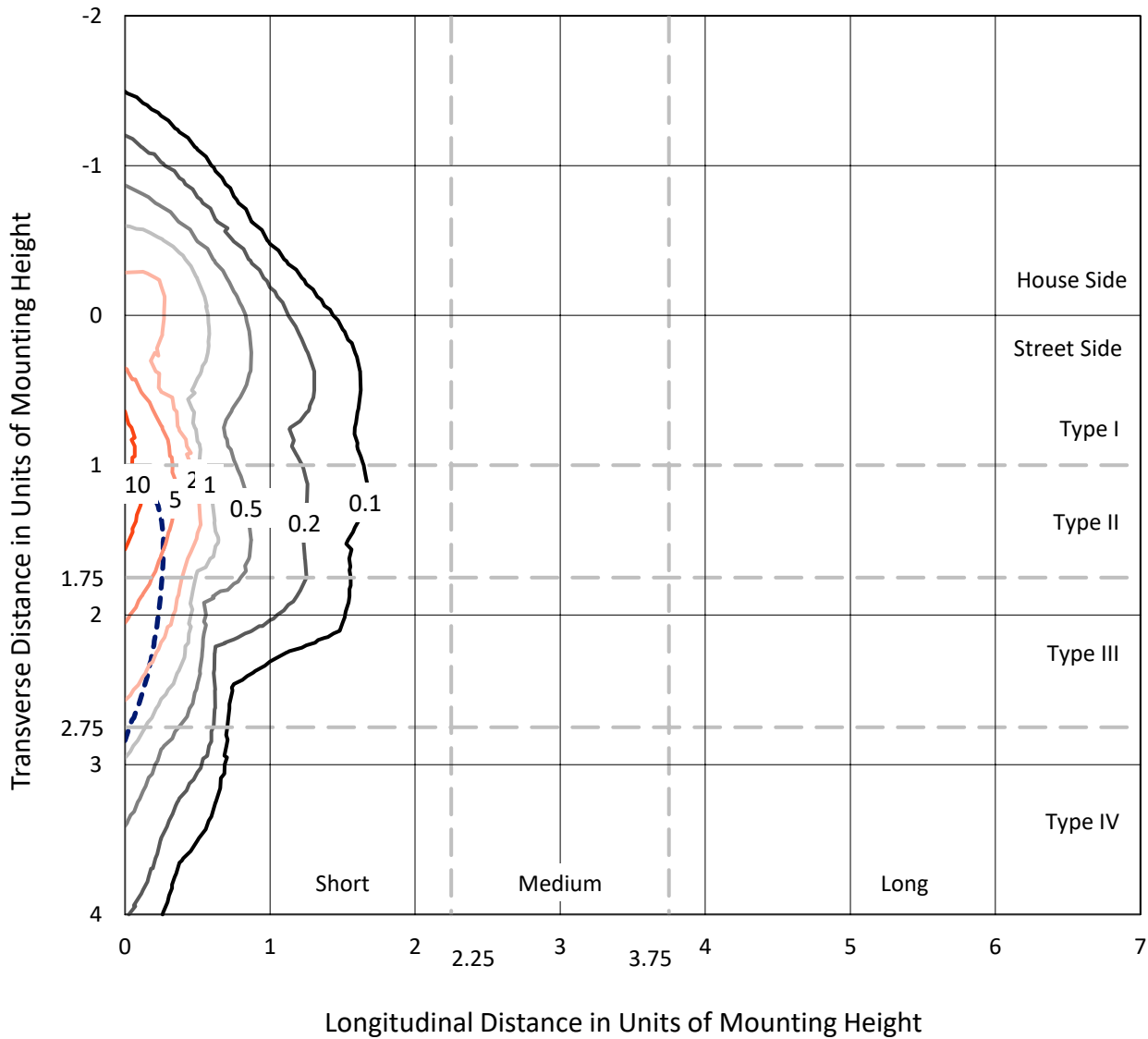
Lumens per Lamp: N/A  
Luminaire Lumens: 6442.1 lumens  
Efficiency: N/A  
Efficacy: 94.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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: P634356  
 CATALOG NUMBER: GWS-SA3B-750-U-SLL-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

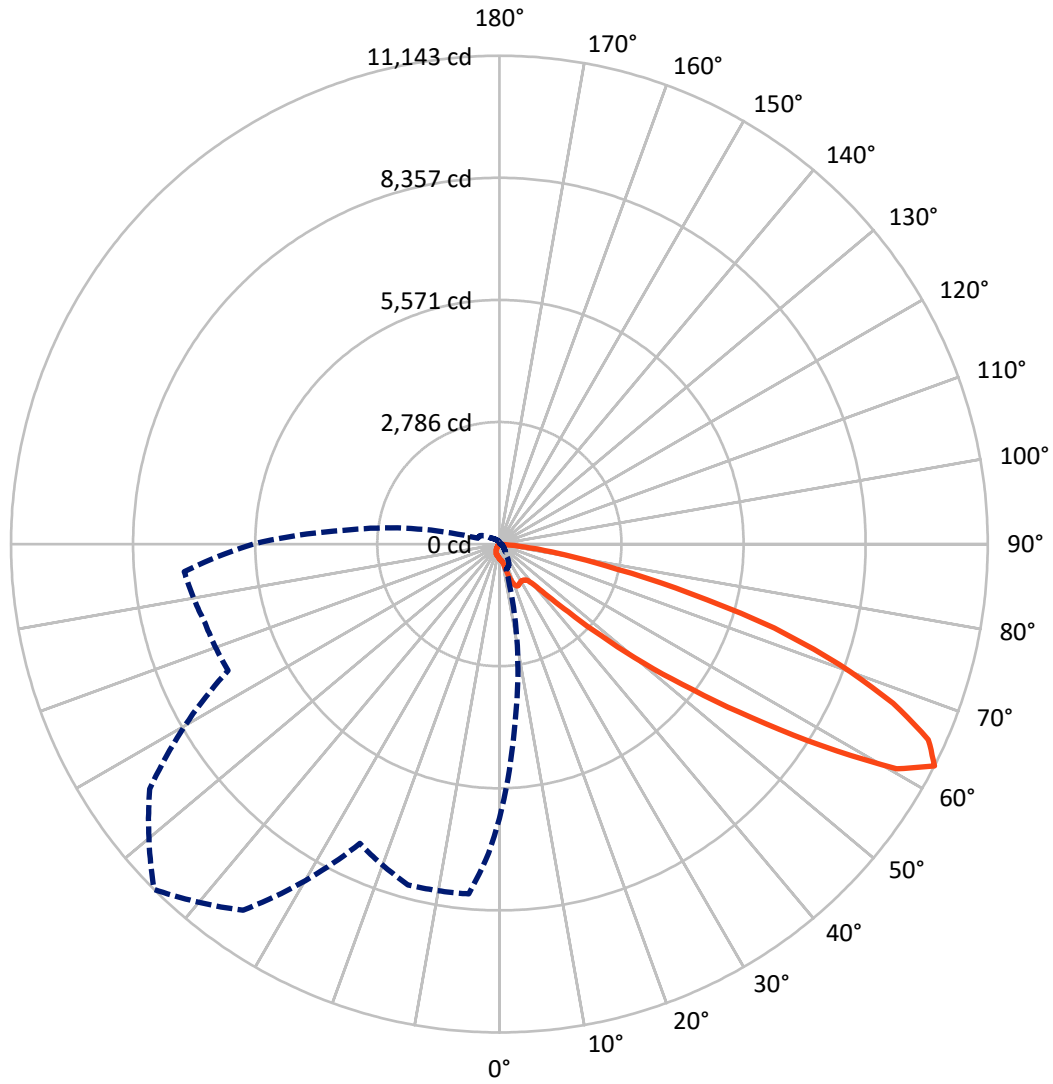
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 fc  
 Type III - Short - N/A

REPORT NUMBER: P634356  
CATALOG NUMBER: GWS-SA3B-750-U-SLL-W-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P634356  
 CATALOG NUMBER: GWS-SA3B-750-U-SLL-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	748.5	0.0	748.5
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	5693.6	0.0	5693.6
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	6442.1	0.0	6442.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.8	0.4
10°-20°	98.9	1.5
20°-30°	223.4	3.5
30°-40°	384.8	6.0
40°-50°	726.0	11.3
50°-60°	1620.9	25.2
60°-70°	2167.9	33.7
70°-80°	1087.2	16.9
80°-90°	104.2	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°	6442.1	100.0
0°-180°	6442.1	100.0

**Coefficient of Utilization**

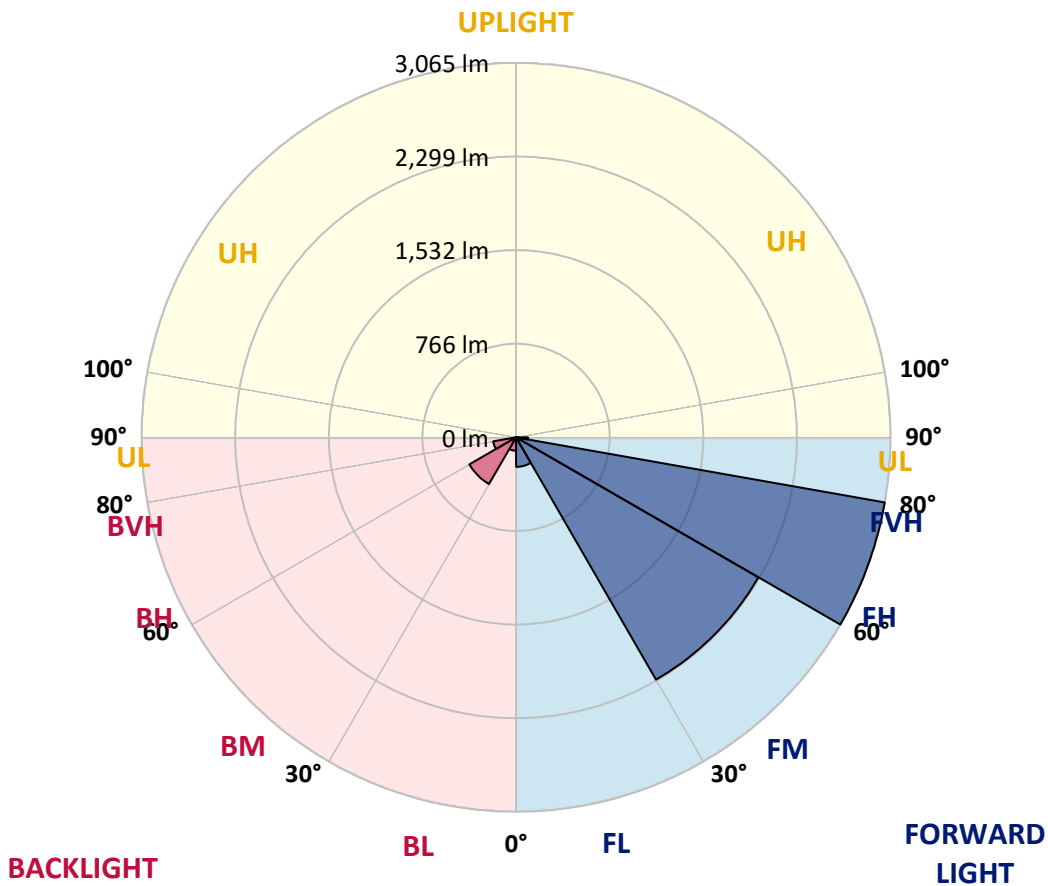


REPORT NUMBER: P634356  
 CATALOG NUMBER: GWS-SA3B-750-U-SLL-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	241.3	3.7			
FM (30°-60°)	2290.4	35.6			
FH (60°-80°)	3064.7	47.6			G2/5000
FVH (80°-90°)	97.3	1.5			G1/100
BL (0°-30°)	109.9	1.7	B0/110		
BM (30°-60°)	441.4	6.9	B1/1000		
BH (60°-80°)	190.3	3.0	B1/500		G1/500
BVH (80°-90°)	6.9	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 III Short





REPORT NUMBER: P634356

CATALOG NUMBER: GWS-SA3B-750-U-SLL-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1
2.5°	330.3	329.5	328.0	323.4	319.6	317.3	312.7	312.7	312.0	310.5	307.4
5°	319.6	316.6	313.5	305.1	296.0	290.6	284.5	283.8	283.8	282.2	281.5
7.5°	302.8	299.8	296.0	282.2	273.8	268.5	263.2	262.4	260.1	260.1	260.1
10°	293.7	289.1	283.0	267.7	259.3	254.8	251.0	248.7	247.1	244.9	244.1
12.5°	313.5	305.1	292.1	264.7	253.2	247.1	242.6	241.0	236.5	233.4	231.1
15°	375.3	354.7	328.8	271.5	251.0	241.8	235.7	232.6	228.8	223.5	219.7
17.5°	476.7	447.0	403.5	293.7	248.7	237.2	229.6	224.3	218.9	212.8	208.2
20°	617.1	572.8	521.0	334.1	248.7	231.9	222.7	215.9	208.2	201.4	196.0
22.5°	795.6	751.3	662.9	402.7	251.7	225.0	214.3	205.2	196.0	189.9	183.8
25°	995.4	932.9	850.5	485.9	260.1	215.9	204.4	195.3	186.9	179.3	172.4
27.5°	1218.2	1150.3	1040.4	604.1	278.4	206.7	193.7	185.4	177.7	170.1	160.9
30°	1423.3	1382.9	1270.8	746.0	308.2	200.6	185.4	177.7	170.1	160.2	151.8
32.5°	1669.7	1598.0	1505.7	907.7	347.8	194.5	178.5	167.8	161.7	152.6	143.4
35°	1917.6	1856.6	1735.3	1106.8	392.1	188.4	170.1	160.2	154.8	144.2	134.2
37.5°	2173.2	2159.4	2039.7	1327.2	435.5	181.5	160.2	154.1	148.7	136.5	125.1
40°	2424.9	2399.7	2289.1	1578.9	462.2	173.9	151.8	148.0	141.9	128.1	115.2
42.5°	2665.9	2646.8	2539.3	1820.0	458.4	167.0	143.4	138.8	134.2	120.5	104.5
45°	2961.9	2930.6	2794.8	1998.5	419.5	174.7	135.0	127.4	126.6	113.7	93.8
47.5°	3515.6	3412.7	3182.3	2135.8	380.6	194.5	125.9	116.7	122.0	106.8	83.1
50°	4291.4	4170.1	3836.8	2242.6	379.9	220.4	124.3	106.8	118.2	101.4	74.0
52.5°	5070.9	4857.4	4452.3	2299.8	408.1	239.5	138.1	96.9	113.7	96.1	67.1
55°	5817.7	5374.5	4710.2	2110.6	430.2	260.1	163.2	91.5	105.3	90.0	63.3
57.5°	6529.4	5790.2	4822.3	1669.7	504.2	268.5	178.5	93.8	93.1	82.4	60.3
60°	6627.0	5770.4	4595.7	971.0	556.1	254.0	172.4	104.5	81.6	73.2	54.9
62.5°	6257.8	5386.7	4079.3	605.6	516.4	248.7	153.3	119.0	74.0	64.8	48.1
65°	5697.2	4784.9	3401.2	390.5	391.3	276.1	134.2	116.7	69.4	57.2	41.2
67.5°	4820.8	4004.6	2679.6	261.6	221.2	235.7	117.5	80.1	67.9	48.8	32.0
70°	3518.7	2850.5	1744.5	174.7	132.0	188.4	98.4	57.2	64.1	40.4	22.9
72.5°	2572.1	1915.3	974.1	114.4	74.8	109.8	72.5	41.2	49.6	29.7	16.0
75°	1851.3	1318.1	556.1	73.2	49.6	60.3	47.3	28.2	32.0	23.6	14.5
77.5°	890.9	642.3	252.5	40.4	33.6	30.5	25.2	17.5	19.8	21.4	13.0
80°	33.6	25.2	19.1	19.8	21.4	13.7	11.4	9.2	11.4	14.5	6.9
82.5°	0.0	0.0	0.0	2.3	3.1	3.8	4.6	3.8	4.6	5.3	0.8
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: P634356  
 CATALOG NUMBER: GWS-SA3B-750-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1
2.5°	309.7	308.2	309.7	311.2	312.7	314.3	312.0	313.5	315.0	311.2	312.7
5°	285.3	284.5	289.1	291.4	294.4	296.0	294.4	294.4	293.7	289.1	289.1
7.5°	263.9	264.7	268.5	273.8	277.7	279.9	278.4	277.7	275.4	268.5	268.5
10°	247.9	247.9	254.0	258.6	263.9	266.2	264.7	262.4	260.1	253.2	252.5
12.5°	234.9	234.9	239.5	247.1	253.2	256.3	255.5	252.5	248.7	241.8	241.0
15°	222.7	222.0	228.8	235.7	244.1	247.9	246.4	244.1	237.2	231.1	229.6
17.5°	210.5	209.8	215.9	225.0	234.2	239.5	238.7	233.4	227.3	219.7	218.2
20°	198.3	196.8	204.4	213.6	222.7	228.1	226.5	222.0	214.3	206.7	205.2
22.5°	186.1	185.4	190.7	198.3	206.7	211.3	210.5	206.7	199.1	192.2	192.2
25°	172.4	172.4	176.2	181.5	187.6	189.9	190.7	189.2	184.6	180.8	180.8
27.5°	160.9	158.7	160.2	161.7	164.8	168.6	168.6	170.1	170.9	169.3	170.1
30°	151.8	148.0	145.7	142.6	141.1	142.6	144.2	149.5	154.8	157.9	159.4
32.5°	141.1	136.5	130.4	122.0	116.7	115.2	119.8	129.7	139.6	146.5	150.3
35°	130.4	124.3	112.9	100.7	93.8	91.5	96.9	108.3	122.8	135.0	140.4
37.5°	119.8	111.4	95.3	80.9	73.2	71.7	77.0	89.2	106.0	122.8	129.7
40°	107.6	97.6	78.6	63.3	57.2	55.7	60.3	72.5	90.0	109.1	119.8
42.5°	95.3	83.1	63.3	50.3	44.2	44.2	50.3	59.5	75.5	96.1	109.1
45°	83.1	70.2	51.9	40.4	36.6	37.4	41.2	50.3	63.3	84.7	96.9
47.5°	71.7	60.3	42.7	33.6	30.5	31.3	35.9	43.5	54.2	73.2	86.2
50°	61.8	51.1	37.4	28.2	25.9	27.5	32.0	38.9	48.1	64.8	75.5
52.5°	55.7	45.8	34.3	24.4	22.9	24.4	29.0	35.1	43.5	57.2	67.9
55°	52.6	45.0	34.3	22.1	19.8	21.4	25.9	32.0	38.9	51.9	61.0
57.5°	51.9	46.5	36.6	19.8	16.8	18.3	22.9	29.0	35.9	47.3	54.9
60°	48.8	44.2	35.9	16.0	13.0	15.3	19.1	25.2	32.8	44.2	51.1
62.5°	42.7	38.9	31.3	13.0	9.9	11.4	16.0	22.1	29.7	40.4	48.1
65°	35.1	31.3	24.4	8.4	6.1	7.6	12.2	19.1	25.9	36.6	43.5
67.5°	25.9	22.1	16.8	5.3	3.1	5.3	9.9	16.0	23.6	32.8	39.7
70°	16.0	13.0	9.2	3.1	2.3	4.6	9.2	15.3	21.4	30.5	37.4
72.5°	9.2	6.1	3.8	1.5	2.3	4.6	9.2	15.3	20.6	29.0	35.1
75°	6.9	3.8	1.5	0.8	1.5	3.8	8.4	13.7	19.8	27.5	33.6
77.5°	4.6	2.3	0.8	0.0	0.8	3.1	7.6	13.0	18.3	25.9	32.0
80°	0.8	0.0	0.0	0.0	0.0	2.3	6.9	11.4	16.8	22.9	28.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.8	5.3	9.9	14.5	19.1	22.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	7.6	11.4	14.5	16.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	7.6	9.2	10.7
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: P634356

CATALOG NUMBER: GWS-SA3B-750-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1
2.5°	312.0	316.6	316.6	319.6	323.4	330.3	334.1	339.4	343.2	347.1	348.6
5°	288.3	289.1	289.9	291.4	296.0	303.6	310.5	318.8	328.8	336.4	341.0
7.5°	268.5	268.5	268.5	270.8	275.4	280.7	287.6	299.0	310.5	319.6	327.2
10°	251.7	254.0	254.8	258.6	263.9	270.8	278.4	288.3	301.3	313.5	327.2
12.5°	241.0	243.3	247.1	251.0	256.3	263.9	272.3	285.3	312.0	337.1	366.1
15°	231.1	234.2	238.7	244.1	250.2	258.6	267.7	294.4	357.0	404.3	450.0
17.5°	220.4	225.0	231.1	236.5	244.1	253.2	264.7	316.6	439.4	517.9	595.7
20°	206.7	212.8	219.7	228.1	237.2	247.9	264.7	362.3	558.4	671.2	774.2
22.5°	193.7	199.8	208.2	218.9	229.6	240.3	268.5	431.7	711.7	854.3	984.7
25°	183.1	190.7	199.1	208.2	220.4	232.6	277.7	529.4	896.3	1080.1	1172.4
27.5°	173.2	182.3	190.7	198.3	209.0	222.7	298.2	659.8	1114.4	1301.3	1373.8
30°	163.2	173.9	182.3	189.9	200.6	215.1	329.5	826.1	1357.0	1538.5	1546.2
32.5°	154.8	164.8	174.7	182.3	192.2	209.0	373.0	1020.6	1605.6	1781.1	1709.4
35°	145.7	157.1	166.3	174.7	185.4	203.7	423.3	1230.4	1856.6	2003.8	1871.9
37.5°	136.5	149.5	160.9	167.0	177.7	198.3	460.0	1449.3	2112.9	2221.2	2014.5
40°	128.1	142.6	155.6	161.7	167.0	191.5	465.3	1673.5	2373.0	2435.5	2148.7
42.5°	119.0	135.0	146.5	154.8	159.4	186.9	433.3	1862.7	2591.2	2649.1	2324.2
45°	109.1	128.1	137.3	143.4	152.6	189.9	392.1	2009.2	2840.6	2940.5	2613.3
47.5°	99.2	120.5	128.1	132.7	144.9	208.2	376.8	2106.8	3251.7	3459.2	3100.7
50°	90.0	113.7	122.0	121.3	143.4	231.9	393.6	2180.8	3869.6	4113.7	3768.9
52.5°	80.1	106.0	115.9	112.9	154.8	250.2	427.2	2239.5	4344.8	4881.0	4666.7
55°	71.7	97.6	106.8	106.0	176.2	263.9	453.1	1929.8	4541.6	5594.2	5678.1
57.5°	65.6	88.5	96.1	109.1	189.9	263.9	524.0	1369.9	4545.4	6119.0	7020.6
60°	60.3	80.1	85.4	119.8	184.6	250.2	518.7	839.1	4189.2	6083.2	7734.6
62.5°	55.7	72.5	79.3	122.8	163.2	247.9	468.3	520.2	3572.8	5620.1	7216.6
65°	51.9	66.4	76.3	112.9	148.0	265.4	315.8	373.8	2897.8	5092.3	6622.4
67.5°	48.1	61.0	80.9	92.3	134.2	237.2	228.1	265.4	2274.6	4513.4	6077.0
70°	45.0	58.0	85.4	75.5	117.5	185.4	161.7	201.4	1741.4	3765.8	5308.9
72.5°	42.7	54.2	71.7	59.5	95.3	143.4	112.9	146.5	1138.1	2939.7	4328.0
75°	40.4	49.6	52.6	48.1	70.9	93.8	85.4	98.4	678.1	2148.7	3283.8
77.5°	39.7	46.5	42.7	38.9	48.1	55.7	64.8	66.4	331.0	1074.8	1720.8
80°	35.1	42.0	36.6	32.0	32.8	36.6	48.1	44.2	75.5	273.1	459.2
82.5°	27.5	32.8	30.5	26.7	26.7	26.7	32.0	29.7	24.4	122.8	207.5
85°	19.1	22.9	22.9	21.4	20.6	20.6	19.8	19.1	6.9	7.6	11.4
87.5°	13.0	16.0	16.8	16.0	13.7	12.2	10.7	9.2	3.1	0.0	1.5
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: P634356

CATALOG NUMBER: GWS-SA3B-750-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1
2.5°	353.9	356.2	356.2	353.2	350.9	344.8	338.7	332.6	331.0	330.3
5°	353.9	363.1	367.7	366.9	361.6	351.6	338.7	324.9	321.1	319.6
7.5°	348.6	366.1	379.9	382.2	372.2	354.7	331.0	310.5	305.1	302.8
10°	360.8	395.1	422.6	426.4	415.0	380.6	342.5	307.4	299.0	293.7
12.5°	426.4	482.8	516.4	532.4	510.3	466.8	403.5	341.0	321.9	313.5
15°	559.1	639.2	703.3	703.3	682.7	605.6	525.6	424.1	398.2	375.3
17.5°	729.2	829.9	886.3	880.2	849.0	794.8	698.7	553.0	500.4	476.7
20°	923.0	983.2	996.2	992.4	978.6	947.4	881.0	724.6	653.7	617.1
22.5°	1090.8	1074.8	1055.7	1040.4	1036.6	1045.8	1036.6	916.1	860.4	795.6
25°	1204.4	1113.7	1056.4	1029.0	1042.0	1094.6	1151.8	1106.8	1062.5	995.4
27.5°	1266.2	1109.1	1026.7	998.5	1020.6	1095.3	1219.7	1296.0	1250.2	1218.2
30°	1299.8	1105.3	1007.6	980.2	1013.7	1107.6	1267.0	1472.9	1474.4	1423.3
32.5°	1347.8	1129.7	1011.4	986.3	1031.3	1144.2	1326.5	1652.9	1697.2	1669.7
35°	1402.0	1167.0	1029.0	1006.1	1061.8	1193.0	1392.8	1834.5	1926.8	1917.6
37.5°	1453.1	1209.0	1070.2	1048.1	1108.3	1234.9	1456.9	2013.0	2141.1	2173.2
40°	1506.5	1267.7	1196.8	1218.2	1251.7	1301.3	1514.1	2167.8	2376.8	2424.9
42.5°	1632.3	1471.4	1579.7	1620.1	1624.7	1522.5	1639.2	2366.1	2608.7	2665.9
45°	1913.0	1833.7	2144.2	2201.4	2171.6	1861.9	1940.5	2652.2	2932.9	2961.9
47.5°	2267.7	2304.4	2916.9	3114.4	2935.9	2262.4	2305.9	3254.0	3526.3	3515.6
50°	2681.2	2854.3	3794.1	4260.1	3833.0	2782.6	2726.9	3993.9	4324.2	4291.4
52.5°	3170.1	3493.5	4848.2	5510.3	5106.0	3367.7	3344.8	4974.1	5175.4	5070.9
55°	3785.7	4110.6	6061.0	6986.3	6411.1	4081.6	4160.2	6110.6	6149.5	5817.7
57.5°	4704.0	4915.3	7490.5	8678.9	7773.5	5051.9	5621.7	7623.2	7157.9	6529.4
60°	6371.5	5950.4	8871.9	10410.4	9222.7	6416.5	7549.2	8519.5	7493.5	6627.0
62.5°	6952.0	6829.1	9736.9	11142.7	10197.6	7537.0	8050.4	8011.5	7058.7	6257.8
65°	6072.5	6610.2	9582.0	10755.9	10072.5	7352.4	7224.3	7450.8	6569.0	5697.2
67.5°	5609.5	6096.1	8995.4	9688.8	9379.1	6726.2	6439.4	6377.6	5514.9	4820.8
70°	5142.6	5624.7	8144.9	8231.1	8087.0	5705.6	5328.8	4914.6	4122.0	3518.7
72.5°	4581.2	4846.7	6964.9	6556.1	6392.8	4481.3	4402.0	3701.0	3090.0	2572.1
75°	3995.4	3918.4	5430.2	4499.6	4621.7	3486.7	3717.8	2717.8	2263.9	1851.3
77.5°	2906.2	2849.0	3636.9	2733.0	3026.7	2283.8	2051.9	1084.7	1032.8	890.9
80°	1621.7	1955.0	1964.2	1531.7	1910.8	1488.9	513.3	35.9	22.9	33.6
82.5°	753.6	840.6	1064.8	710.1	1090.0	737.6	106.0	0.0	0.0	0.0
85°	244.1	357.0	299.0	104.5	263.9	249.4	17.5	0.0	0.0	0.0
87.5°	14.5	29.7	7.6	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)