

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: P628915

Luminaire Tested: GWS-SA1A-750-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628915  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-750-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

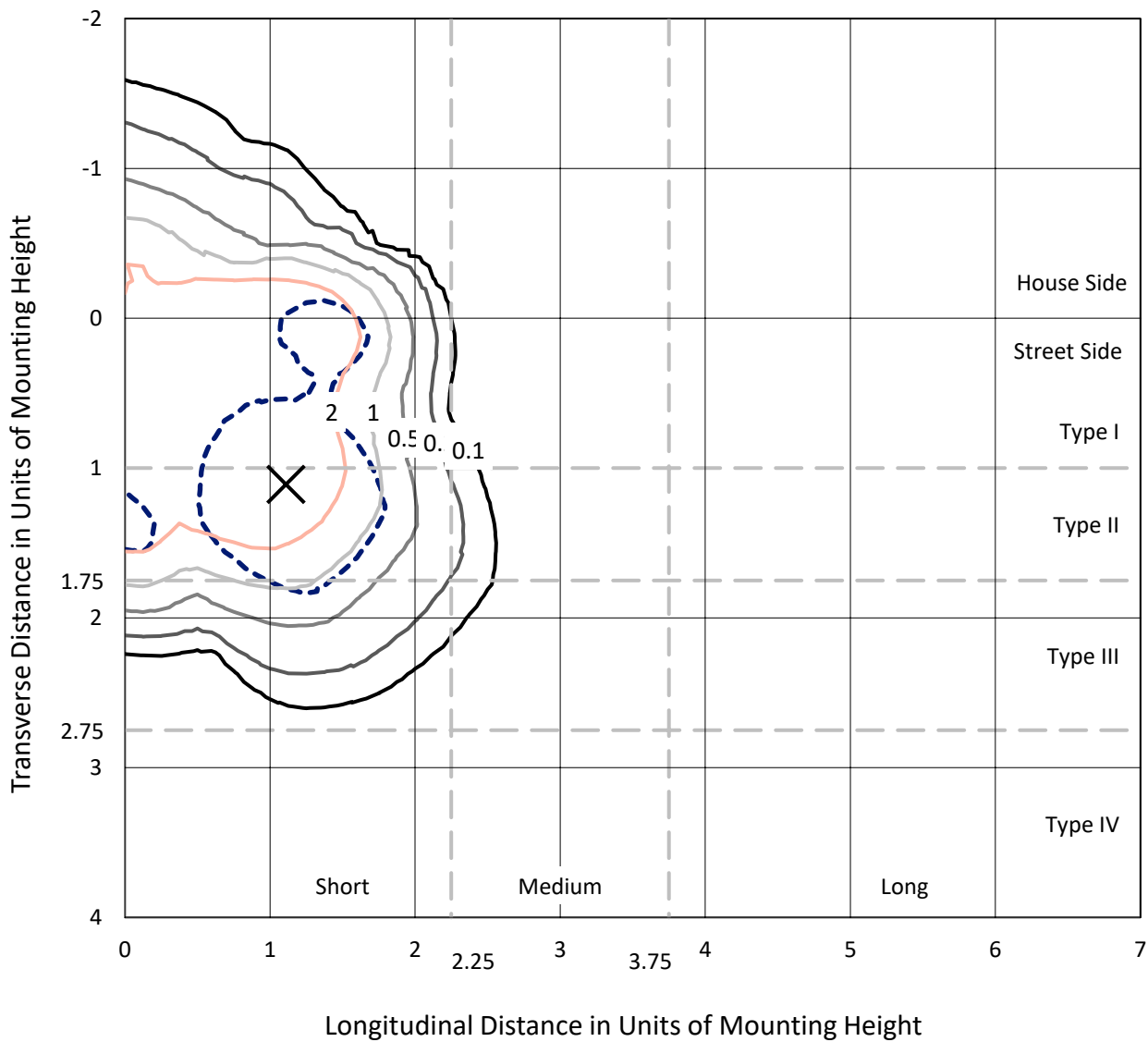
Lumens per Lamp: N/A  
Luminaire Lumens: 1551.9 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

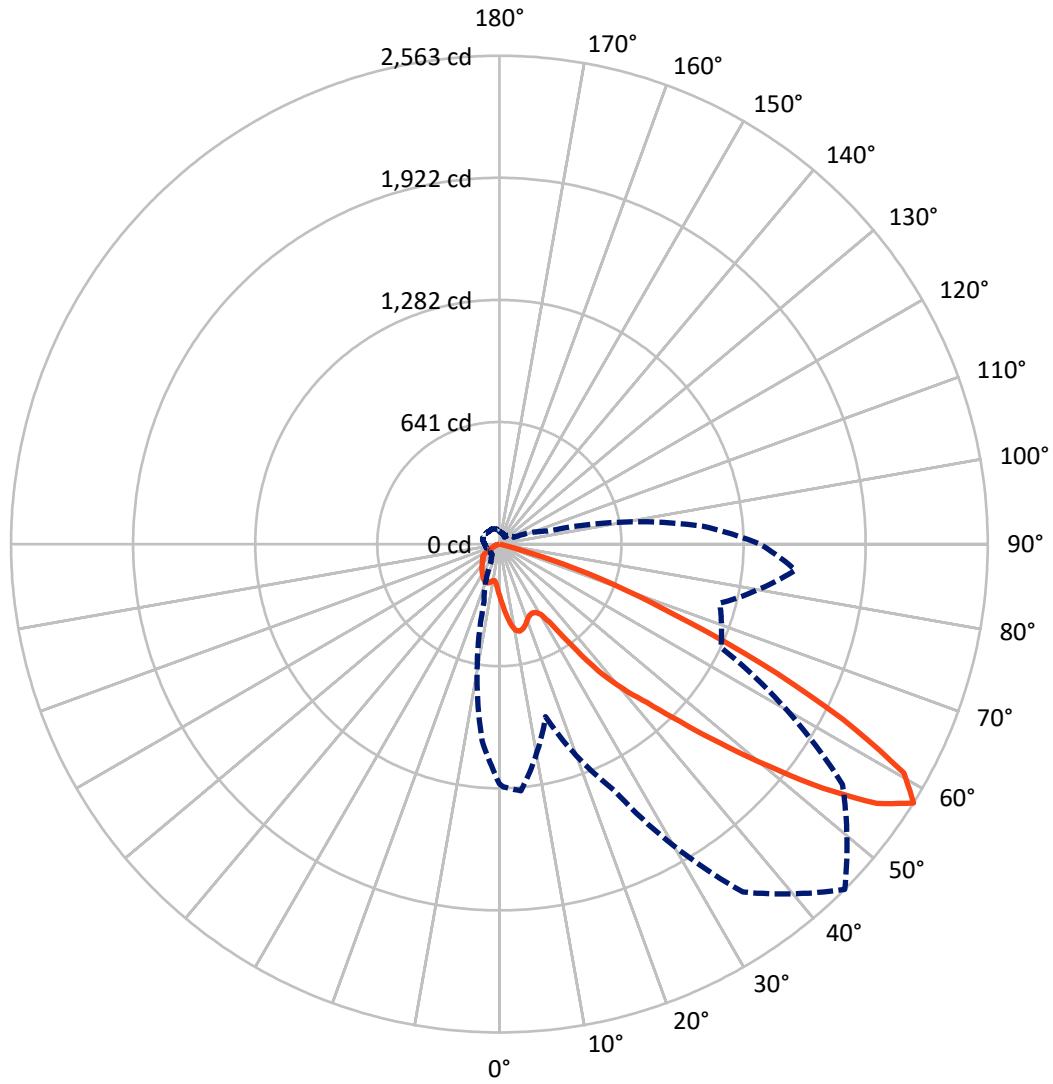
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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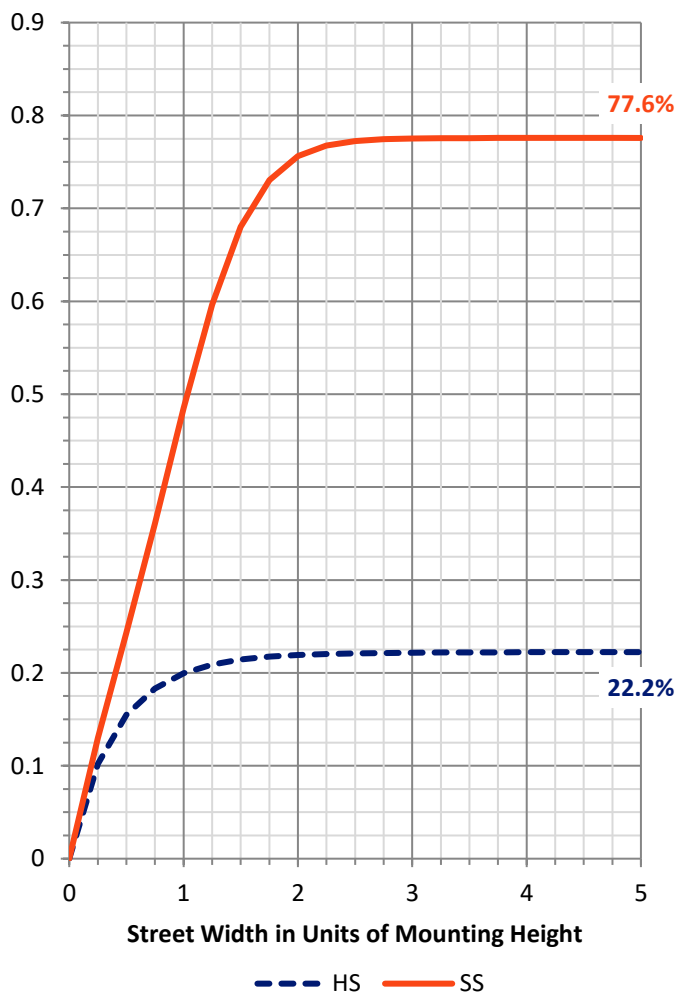
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	347.5	0.0	347.5
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	1204.4	0.0	1204.4
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	1551.9	0.0	1551.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.8	1.7
10°-20°	86.8	5.6
20°-30°	141.0	9.1
30°-40°	217.9	14.0
40°-50°	349.4	22.5
50°-60°	477.5	30.8
60°-70°	231.3	14.9
70°-80°	21.2	1.4
80°-90°	0.1	0.0
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°	1551.9	100.0
0°-180°	1551.9	100.0

**Coefficient of Utilization**



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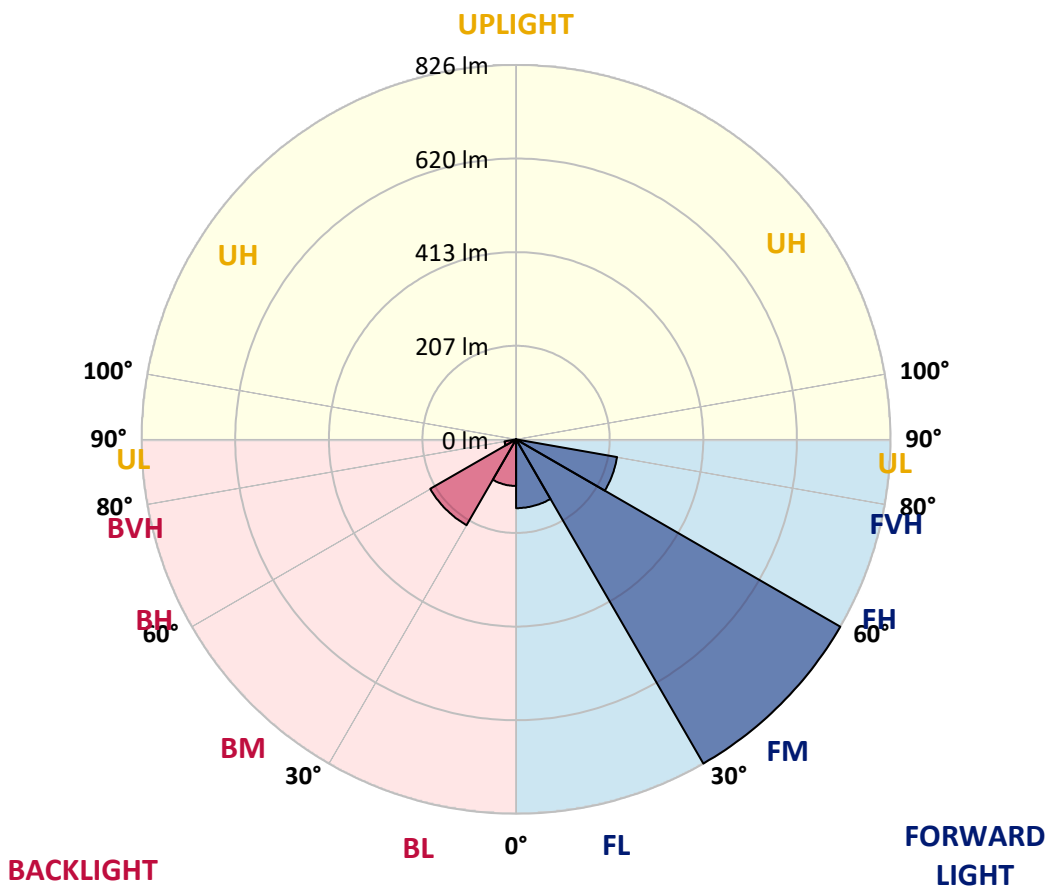
CATALOG NUMBER: GWS-SA1A-750-U-SLR-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	151.8	9.8			
FM (30°-60°)	826.1	53.2			
FH (60°-80°)	226.4	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	102.8	6.6	B0/110		
BM (30°-60°)	218.6	14.1	B0/220		
BH (60°-80°)	26.0	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G0**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8
2.5°	295.5	297.4	300.5	307.2	312.8	316.6	318.2	317.8	315.5	313.8	310.5
5°	327.2	327.2	333.2	348.5	360.1	367.4	371.2	368.9	364.3	357.0	345.8
7.5°	354.9	356.0	366.2	387.9	405.6	416.0	422.1	420.8	412.7	398.7	376.2
10°	376.6	377.9	391.4	417.9	438.8	449.4	458.4	459.2	450.2	431.7	405.8
12.5°	397.7	398.9	413.1	438.5	456.9	461.3	469.2	472.3	470.0	456.9	430.0
15°	420.4	423.3	435.4	454.4	462.1	456.9	462.1	467.7	475.5	474.2	450.0
17.5°	442.7	444.8	457.1	463.8	455.2	441.7	444.2	450.9	468.4	485.5	469.8
20°	463.4	466.3	476.5	467.7	441.9	420.8	421.0	429.8	456.5	492.3	490.1
22.5°	485.1	489.4	496.7	472.1	429.6	404.3	405.4	413.3	447.1	498.8	513.0
25°	513.4	517.6	522.4	483.0	425.6	396.2	400.2	407.5	447.1	509.9	541.4
27.5°	551.8	554.7	554.9	503.2	432.5	397.5	405.8	414.1	460.4	532.0	579.3
30°	600.0	604.5	598.5	534.7	454.0	414.1	426.5	436.9	489.2	569.3	635.2
32.5°	658.6	665.0	656.9	581.4	498.8	471.7	494.0	500.1	535.1	623.3	698.6
35°	727.4	732.8	724.0	646.0	603.5	608.5	649.0	641.2	627.3	689.8	772.6
37.5°	802.9	807.9	791.0	744.1	758.2	779.9	844.6	818.1	773.0	775.5	852.9
40°	872.1	877.5	851.0	850.6	879.8	919.4	997.4	960.9	899.6	887.7	928.2
42.5°	943.8	947.6	923.6	907.3	973.6	1055.2	1137.8	1088.5	983.4	970.5	1022.4
45°	1046.2	1054.1	1011.4	935.3	1058.1	1211.4	1326.5	1230.4	1040.6	1030.2	1166.8
47.5°	1196.8	1202.6	1115.5	952.8	1136.7	1405.9	1562.3	1414.3	1090.8	1067.1	1364.0
50°	1321.3	1325.2	1211.2	972.0	1220.3	1615.7	1831.1	1632.4	1147.4	1128.2	1548.2
52.5°	1413.0	1428.0	1336.9	1011.4	1330.2	1862.4	2128.7	1890.8	1235.6	1246.2	1700.8
55°	1432.0	1452.4	1422.8	1035.6	1427.0	2113.7	2403.6	2122.0	1323.6	1335.7	1752.1
57.5°	1258.5	1274.8	1299.4	938.0	1424.7	2228.8	2563.1	2198.8	1283.5	1197.8	1560.0
60°	942.8	954.0	998.7	716.9	1310.2	2127.1	2438.8	2068.2	1122.3	914.0	1188.6
62.5°	559.1	564.1	620.6	464.4	1087.5	1831.8	2022.6	1784.6	886.9	614.8	728.0
65°	214.6	212.5	255.7	229.2	799.7	1459.1	1504.4	1360.5	608.5	281.7	277.6
67.5°	33.2	31.7	42.7	67.8	576.8	1011.2	992.6	980.5	381.2	65.7	57.3
70°	7.5	7.5	9.2	20.0	352.4	594.1	635.8	606.2	244.0	14.0	7.5
72.5°	3.5	3.5	4.4	8.5	127.6	244.8	285.3	280.9	79.2	4.6	2.7
75°	1.3	1.5	1.5	1.9	7.7	12.7	29.2	20.9	5.0	0.0	0.0
77.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8
2.5°	303.2	301.7	296.3	289.0	281.9	275.7	269.2	261.5	255.9	249.4	247.3
5°	337.0	327.8	313.0	297.6	283.4	271.3	259.6	247.1	237.9	228.8	225.6
7.5°	365.6	352.0	328.0	304.9	285.5	268.4	251.5	234.4	221.0	210.2	206.9
10°	391.2	375.6	343.5	314.9	290.5	270.7	250.2	228.8	211.5	198.5	195.4
12.5°	413.3	395.2	356.6	322.4	292.6	269.8	250.0	232.9	217.3	202.5	198.5
15°	431.9	411.9	367.6	327.4	289.4	259.4	242.1	239.4	238.1	221.9	214.2
17.5°	450.0	427.5	376.6	329.7	280.7	241.1	228.6	240.9	254.0	243.4	233.6
20°	469.0	443.3	385.8	330.1	266.1	220.4	218.3	237.7	254.4	251.1	241.9
22.5°	491.3	463.2	397.3	329.9	247.7	202.9	210.8	231.7	245.2	245.0	237.7
25°	523.6	488.2	412.7	331.2	227.7	189.3	202.5	221.5	232.5	232.1	226.1
27.5°	558.2	518.0	432.7	334.3	210.6	181.4	192.7	207.5	217.1	216.7	211.5
30°	606.8	552.4	451.9	334.5	198.3	177.3	181.8	192.1	201.2	200.2	196.2
32.5°	665.9	591.2	468.0	322.6	190.6	173.3	170.6	175.8	182.9	181.4	180.4
35°	737.2	637.3	481.7	296.5	178.7	165.4	158.1	159.1	164.1	165.0	164.5
37.5°	818.5	692.1	498.8	262.1	162.7	153.9	144.1	143.3	146.2	148.9	151.0
40°	898.8	753.9	522.0	227.3	148.1	139.3	129.9	127.8	129.1	133.9	138.3
42.5°	989.1	825.4	547.0	197.5	138.0	123.2	114.3	110.3	113.9	121.6	126.8
45°	1119.2	925.7	571.4	173.7	133.9	109.1	97.0	96.6	100.5	110.5	116.4
47.5°	1301.9	1055.4	587.4	155.1	133.7	98.0	83.6	86.1	90.7	100.5	107.2
50°	1480.0	1217.8	569.7	141.0	129.3	90.7	73.6	78.6	83.2	91.8	98.6
52.5°	1587.4	1305.2	500.7	127.6	115.7	87.4	63.8	72.6	73.4	81.1	88.4
55°	1576.1	1248.7	383.5	107.0	95.7	82.6	53.6	65.5	65.9	71.7	78.0
57.5°	1368.0	1072.1	263.4	86.8	71.9	68.2	44.2	55.3	59.2	62.8	67.4
60°	1019.5	782.2	117.4	70.5	45.7	46.1	37.7	41.7	47.8	51.9	55.9
62.5°	600.8	450.0	47.8	42.3	25.2	29.0	30.4	30.4	34.2	37.3	39.8
65°	227.1	157.4	19.4	21.3	13.1	13.6	17.9	22.1	25.0	27.7	31.1
67.5°	39.8	27.5	10.0	7.9	7.7	6.9	9.2	14.4	16.1	18.1	19.6
70°	6.7	5.6	4.2	4.0	3.5	3.8	6.0	10.2	11.3	11.9	12.5
72.5°	1.9	1.7	1.3	1.0	0.8	1.0	3.8	7.9	8.3	8.8	9.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	5.6	6.0	6.3	6.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.7	2.1	1.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8
2.5°	246.1	241.9	239.6	238.4	238.4	236.7	234.8	234.2	236.9	236.9	241.5
5°	221.7	218.3	214.6	212.3	208.7	209.4	207.3	207.1	209.8	211.0	215.8
7.5°	204.8	200.6	198.3	196.9	195.0	194.1	192.3	191.6	193.1	195.2	199.8
10°	193.5	192.9	192.7	193.7	193.7	192.7	191.0	190.0	190.4	194.4	199.6
12.5°	196.4	197.7	198.1	199.8	200.6	199.8	198.5	198.9	201.7	209.0	216.7
15°	209.2	208.1	207.7	208.5	209.2	208.3	207.9	211.0	220.4	230.8	239.6
17.5°	222.7	216.0	213.1	213.1	213.5	213.1	213.5	219.6	234.8	245.2	251.7
20°	229.6	217.3	212.7	211.7	212.5	212.7	214.2	221.0	237.7	245.0	246.5
22.5°	227.5	212.1	206.9	206.0	206.9	207.7	209.2	215.0	230.6	234.4	233.8
25°	217.1	201.9	197.7	197.7	199.6	199.4	200.0	204.2	217.1	219.4	218.3
27.5°	203.9	189.6	186.0	188.1	189.8	189.3	189.6	193.1	202.7	203.3	202.3
30°	190.6	178.1	174.8	177.3	179.5	179.1	179.3	182.9	188.9	188.3	186.8
32.5°	177.0	167.9	165.4	166.8	170.4	170.0	170.8	174.5	176.8	174.1	172.5
35°	164.5	159.7	157.9	158.7	161.4	162.0	163.5	166.0	166.0	162.7	159.7
37.5°	152.9	152.2	151.0	149.9	152.4	154.3	156.4	159.3	155.1	150.4	147.6
40°	142.0	144.7	143.1	140.3	141.8	144.5	148.7	151.0	146.0	141.2	136.6
42.5°	132.0	136.6	136.0	132.6	133.9	136.4	141.2	143.1	137.2	131.8	127.4
45°	122.4	128.9	129.3	125.1	126.4	128.9	134.5	135.1	127.6	121.8	118.7
47.5°	114.1	121.2	121.4	118.2	118.7	122.2	127.4	127.6	119.1	113.7	109.7
50°	106.1	114.3	114.9	112.2	112.6	116.8	121.2	120.3	111.1	105.5	102.0
52.5°	96.6	107.6	109.1	107.8	109.5	112.8	115.5	112.6	102.0	96.3	93.2
55°	86.1	100.5	103.6	102.8	104.7	107.4	108.0	106.1	92.8	87.2	84.2
57.5°	74.0	82.8	88.2	86.5	88.0	90.7	92.6	91.1	81.1	76.7	74.2
60°	61.3	67.1	68.4	65.7	64.4	69.2	73.6	71.7	63.2	60.5	57.6
62.5°	44.8	51.5	52.3	48.8	47.3	52.6	56.3	54.4	45.0	42.1	39.8
65°	35.9	42.1	43.8	40.5	39.6	43.6	45.9	41.3	34.6	31.5	29.0
67.5°	23.6	28.6	32.9	32.7	31.1	32.3	30.7	26.9	22.1	20.4	18.8
70°	14.6	17.5	20.2	21.3	21.1	20.6	18.4	15.6	14.2	13.6	12.7
72.5°	11.3	14.2	16.3	16.9	17.1	16.5	14.6	12.1	10.6	9.8	9.2
75°	8.3	10.6	12.3	13.1	13.6	13.1	11.3	9.6	8.1	7.5	6.9
77.5°	2.9	3.5	4.4	4.8	4.6	4.4	4.0	4.0	3.1	2.9	2.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P628915  
 CATALOG NUMBER: GWS-SA1A-750-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8
2.5°	246.7	250.4	257.3	263.6	270.3	277.1	284.6	292.4	295.9	295.5
5°	223.1	231.3	242.5	254.8	268.6	283.4	299.9	316.8	324.1	327.2
7.5°	208.3	219.8	234.6	250.2	268.4	289.4	314.3	340.7	351.4	354.9
10°	210.2	223.5	235.9	251.1	270.5	297.8	328.7	360.1	372.7	376.6
12.5°	225.4	228.3	231.7	244.2	268.6	304.0	341.8	379.3	393.7	397.7
15°	239.2	225.6	219.4	230.8	261.9	308.4	355.1	400.0	415.8	420.4
17.5°	239.8	219.4	205.4	214.4	251.1	310.3	368.3	421.0	438.3	442.7
20°	232.1	212.5	194.6	194.8	236.3	309.9	379.1	440.0	459.4	463.4
22.5°	220.8	204.4	185.8	179.3	220.4	309.0	391.0	460.2	481.3	485.1
25°	208.3	193.9	177.5	167.7	204.6	309.9	407.7	486.7	509.9	513.4
27.5°	194.8	182.5	171.0	163.1	191.2	313.0	427.7	520.5	548.0	551.8
30°	180.6	171.4	166.8	162.0	182.9	313.8	449.4	559.9	594.7	600.0
32.5°	166.6	161.6	161.8	162.7	175.0	308.0	469.2	603.7	650.2	658.6
35°	153.7	152.2	156.4	160.6	163.5	293.0	486.5	655.4	718.8	727.4
37.5°	142.6	143.9	149.1	153.3	151.0	271.7	509.4	720.1	795.6	802.9
40°	132.0	135.1	141.2	143.1	141.4	246.9	537.0	782.4	862.1	872.1
42.5°	122.2	124.5	133.0	133.5	138.7	221.7	563.5	849.6	938.6	943.8
45°	114.3	113.9	122.6	125.3	142.2	193.7	589.3	939.0	1038.7	1046.2
47.5°	106.6	106.1	108.2	120.5	143.7	167.9	615.0	1070.0	1183.9	1196.8
50°	99.3	99.9	93.4	118.2	135.8	148.1	626.6	1191.1	1315.9	1321.3
52.5°	92.8	90.5	79.2	110.7	118.9	129.3	593.5	1246.2	1397.6	1413.0
55°	83.6	70.9	65.3	89.9	93.8	112.8	486.1	1214.3	1404.7	1432.0
57.5°	71.5	55.7	55.5	66.3	66.3	104.7	311.3	1037.5	1210.5	1258.5
60°	55.1	43.2	45.9	46.1	42.5	76.3	174.8	751.6	895.0	942.8
62.5°	39.2	32.9	34.6	27.5	24.4	38.2	83.8	432.7	552.4	559.1
65°	26.3	22.3	18.1	15.2	15.0	16.3	34.6	156.4	190.2	214.6
67.5°	17.3	13.6	9.6	9.6	10.8	10.8	13.1	25.9	36.3	33.2
70°	11.3	9.4	6.0	5.8	7.1	7.1	6.7	7.1	7.5	7.5
72.5°	8.3	7.1	3.5	3.1	4.0	4.2	3.8	3.5	3.5	3.5
75°	6.3	5.0	2.1	1.5	1.9	2.5	2.1	1.5	1.5	1.3
77.5°	2.5	1.9	0.8	0.6	1.0	1.5	1.3	0.6	0.4	0.4
80°	0.2	0.4	0.4	0.4	0.6	0.8	1.0	0.4	0.2	0.2
82.5°	0.0	0.2	0.2	0.2	0.4	0.6	0.8	0.4	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.4	0.6	0.4	0.2	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.2	0.6	0.4	0.2	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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