

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: P628636

Luminaire Tested: GWS-SA1A-722-U-SLL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628636  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-722-U-SLL-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

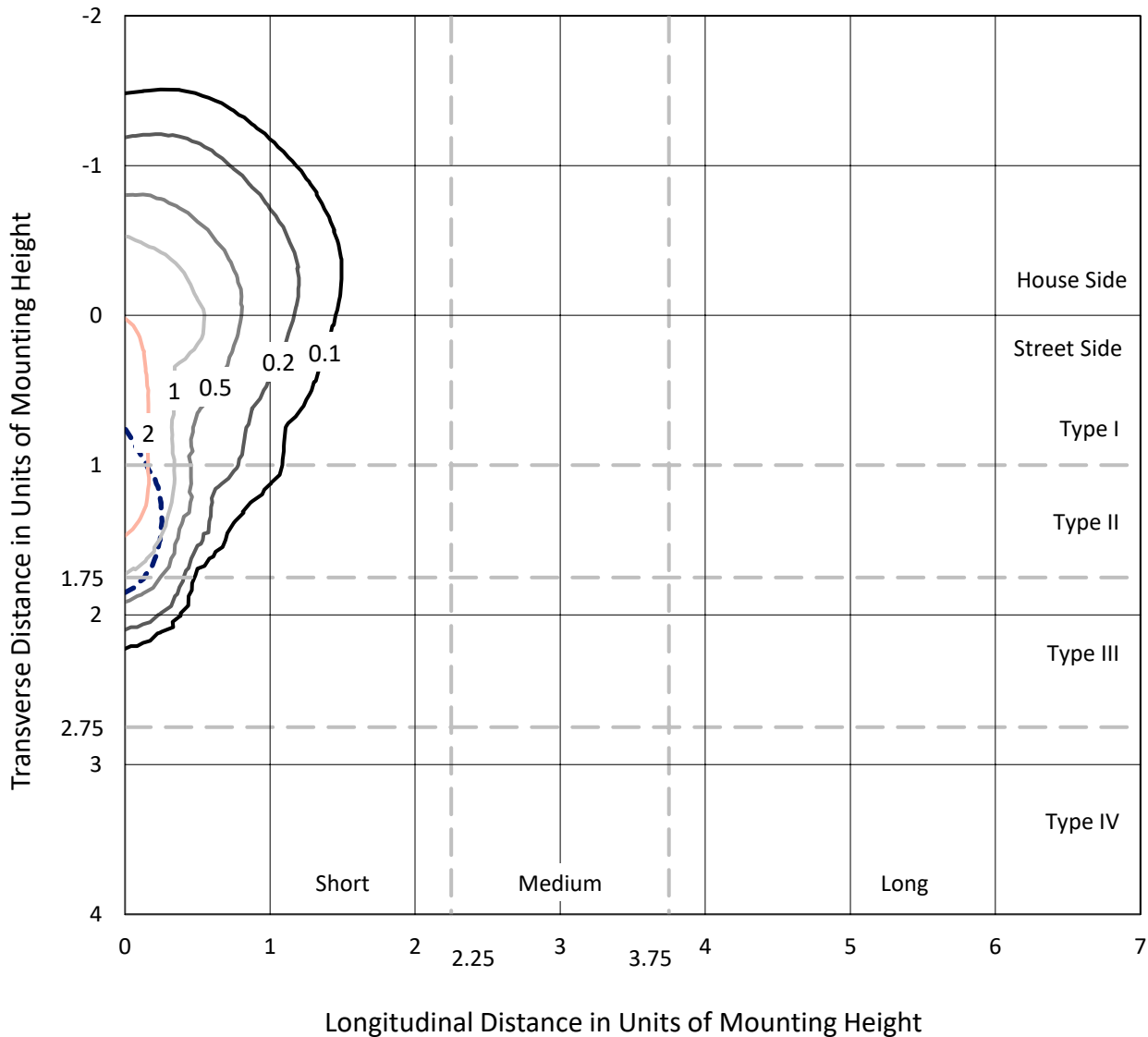
Lumens per Lamp: N/A  
Luminaire Lumens: 1123.2 lumens  
Efficiency: N/A  
Efficacy: 57.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P628636  
 CATALOG NUMBER: GWS-SA1A-722-U-SLL-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

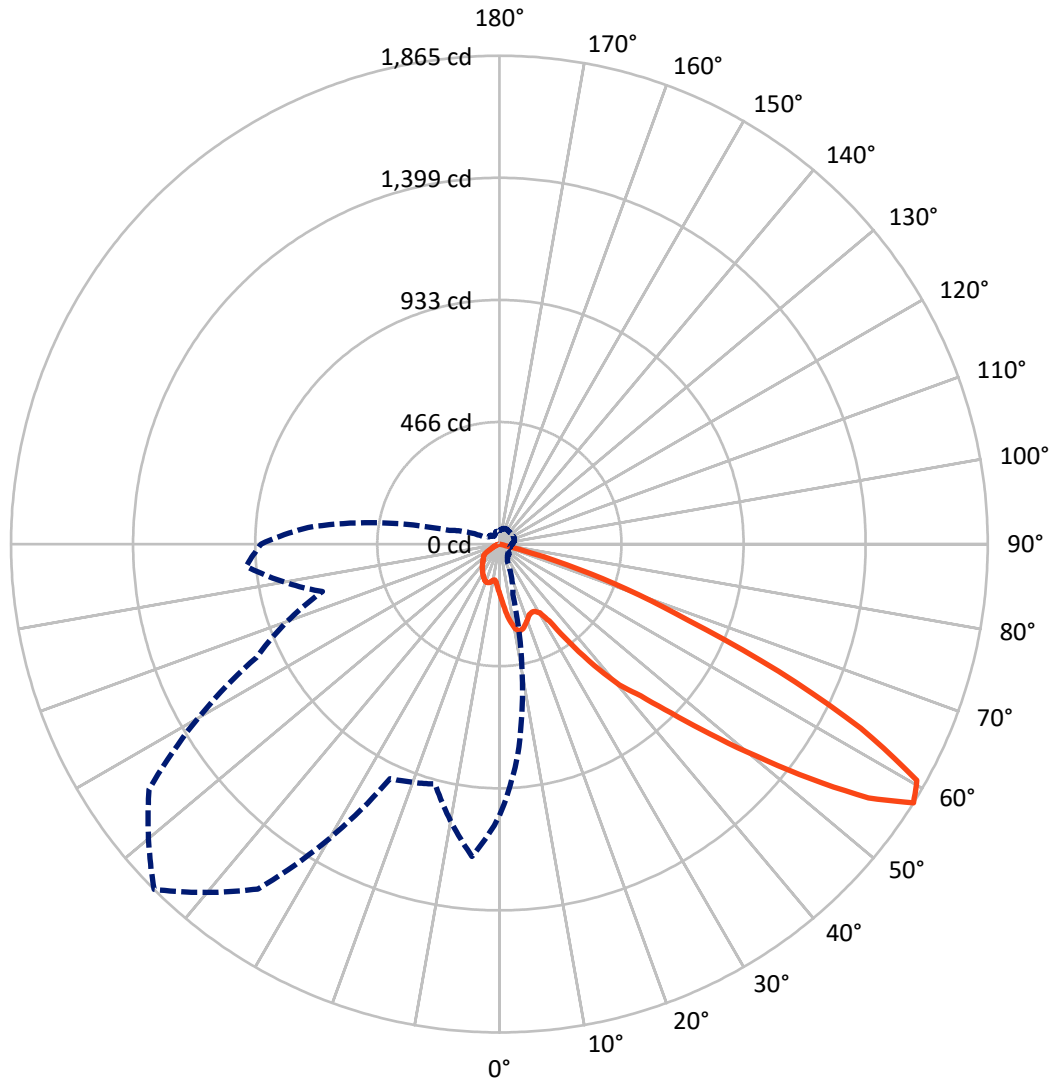
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3 fc  
 Type III - Short - N/A

REPORT NUMBER: P628636  
CATALOG NUMBER: GWS-SA1A-722-U-SLL-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P628636  
 CATALOG NUMBER: GWS-SA1A-722-U-SLL-W-GRSBK

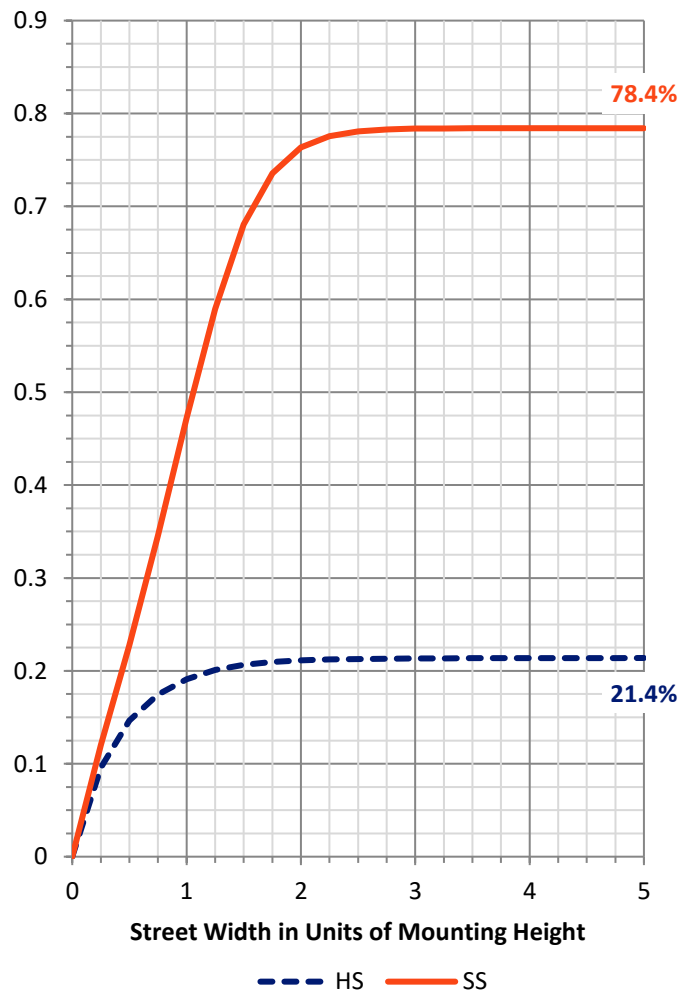
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	242.0	0.0	242.0
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	881.2	0.0	881.2
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	1123.2	0.0	1123.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.9	1.7
10°-20°	62.1	5.5
20°-30°	100.7	9.0
30°-40°	154.6	13.8
40°-50°	246.9	22.0
50°-60°	345.7	30.8
60°-70°	177.3	15.8
70°-80°	17.1	1.5
80°-90°	0.0	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°	1123.2	100.0
0°-180°	1123.2	100.0

**Coefficient of Utilization**

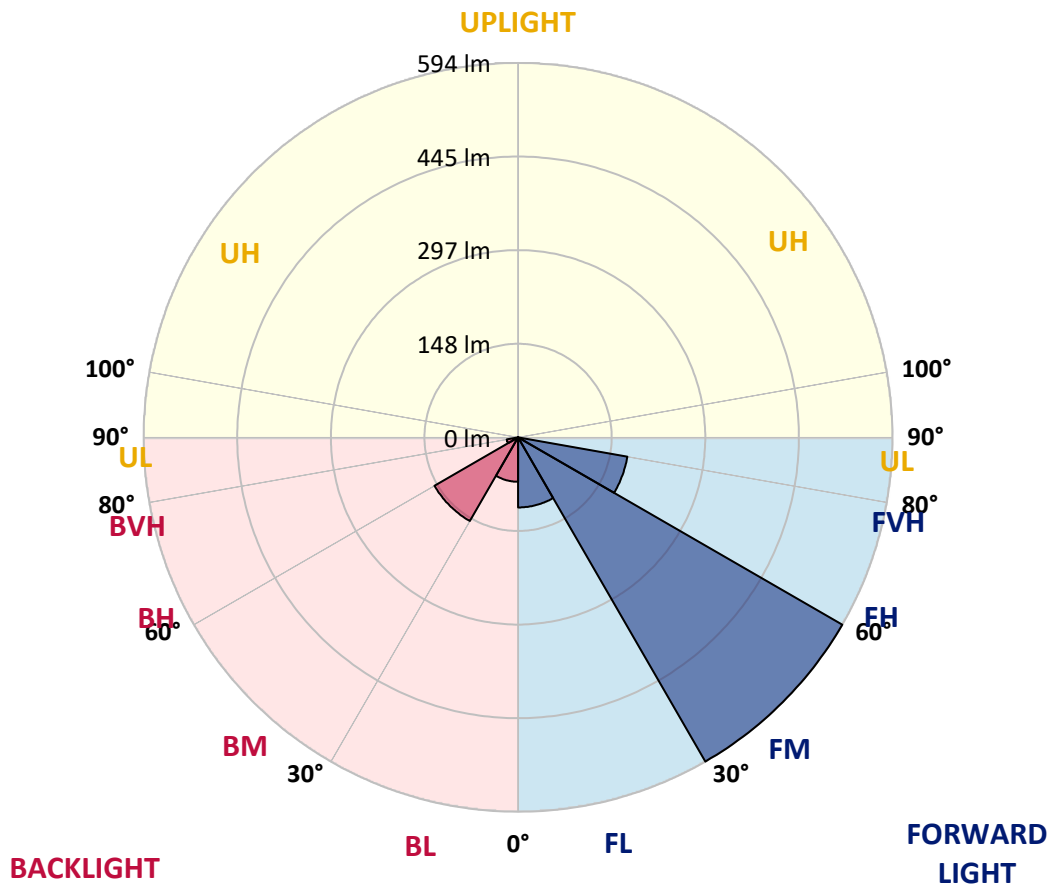


REPORT NUMBER: P628636  
 CATALOG NUMBER: GWS-SA1A-722-U-SLL-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.2	9.9			
FM (30°-60°)	594.0	52.9			
FH (60°-80°)	176.1	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	70.5	6.3	B0/110		
BM (30°-60°)	153.2	13.6	B0/220		
BH (60°-80°)	18.3	1.6	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





REPORT NUMBER: P628636

CATALOG NUMBER: GWS-SA1A-722-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8
2.5°	212.0	211.6	210.1	205.0	201.8	196.9	193.3	188.6	183.5	180.3	177.2
5°	234.5	233.3	229.3	217.6	208.6	198.8	191.0	182.4	173.3	167.3	161.7
7.5°	256.2	254.4	249.0	229.1	215.5	201.5	190.4	177.9	165.0	156.0	149.1
10°	277.3	273.3	264.7	240.4	221.9	205.1	192.0	177.8	162.6	151.2	143.5
12.5°	294.8	291.8	280.0	251.1	227.3	205.9	189.8	176.6	166.4	158.7	151.7
15°	309.8	306.5	295.4	260.7	232.0	202.9	180.3	168.8	170.4	173.4	167.4
17.5°	323.6	320.1	308.1	268.6	233.8	195.5	167.1	161.6	170.7	182.0	179.7
20°	337.9	333.9	319.2	275.1	233.2	183.9	153.8	155.4	168.3	181.2	182.4
22.5°	354.5	350.5	333.3	283.3	232.7	170.1	142.2	150.0	163.8	174.8	176.9
25°	376.6	371.8	353.0	295.5	233.9	157.5	133.9	144.8	156.2	166.1	167.3
27.5°	405.7	399.6	375.7	310.5	236.5	147.6	130.3	137.5	146.4	155.3	156.3
30°	443.7	435.9	401.7	323.6	235.3	140.7	127.9	130.3	135.6	142.8	142.9
32.5°	488.2	477.5	430.8	334.8	224.9	135.6	124.6	123.0	124.2	129.7	130.8
35°	540.4	526.6	462.9	345.5	206.0	125.7	118.6	113.1	112.6	115.3	117.9
37.5°	600.3	583.8	503.5	359.2	183.6	115.3	109.8	104.2	101.8	103.2	107.1
40°	655.6	637.3	545.8	375.7	160.8	106.0	99.4	93.7	90.8	91.3	96.1
42.5°	720.4	701.5	597.6	397.3	141.9	99.7	88.6	82.7	79.0	81.1	86.6
45°	819.0	797.5	673.1	416.1	126.9	98.2	79.1	70.9	69.1	72.7	79.3
47.5°	953.5	927.2	776.9	427.5	114.1	99.6	72.5	61.3	61.7	65.8	72.4
50°	1087.0	1058.6	896.9	412.5	103.6	96.9	69.2	53.8	56.6	60.2	66.2
52.5°	1178.7	1141.8	955.3	369.1	94.0	86.6	68.9	46.7	52.1	53.3	58.4
55°	1182.3	1136.8	925.4	291.0	80.9	73.1	65.8	40.8	47.1	47.6	52.0
57.5°	1036.4	995.2	808.7	199.9	71.9	53.6	52.4	35.7	38.7	42.5	45.2
60°	788.5	753.5	604.8	91.6	54.7	34.1	35.9	30.8	29.0	34.5	37.2
62.5°	482.9	460.5	362.8	40.5	34.8	18.2	21.8	24.5	21.8	23.9	26.1
65°	191.7	181.8	137.7	17.3	14.3	9.2	9.9	14.3	15.3	16.8	18.9
67.5°	33.3	31.5	23.1	7.7	5.9	5.6	4.8	6.6	9.3	10.4	12.0
70°	4.4	4.2	3.8	3.2	3.0	2.7	2.1	4.2	6.3	6.6	7.7
72.5°	1.1	0.9	0.9	0.8	0.9	0.3	0.3	2.3	4.5	4.7	5.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.9	3.2	3.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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: P628636  
 CATALOG NUMBER: GWS-SA1A-722-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8
2.5°	174.6	171.6	170.6	169.1	167.1	167.7	165.0	164.1	165.5	167.3	166.8
5°	158.7	155.4	153.2	149.7	149.1	147.8	146.9	145.7	147.2	149.3	149.7
7.5°	146.1	143.2	141.0	139.9	139.2	138.6	136.8	135.9	135.9	136.8	137.5
10°	140.7	138.6	138.1	138.4	139.6	139.5	137.8	136.6	135.1	134.4	135.3
12.5°	148.2	144.8	144.1	144.3	145.8	145.7	143.8	142.3	142.0	142.3	145.2
15°	161.0	155.7	151.8	151.1	151.8	151.5	150.2	149.3	149.7	154.1	158.9
17.5°	172.4	164.3	157.2	154.5	154.4	153.9	152.6	152.3	154.5	162.6	169.7
20°	175.7	167.7	157.7	154.2	153.5	153.0	151.5	152.0	154.8	164.6	170.6
22.5°	171.3	163.7	153.2	149.7	149.1	149.0	147.5	148.1	150.5	159.0	164.0
25°	163.1	156.6	145.7	142.6	142.6	142.3	141.0	141.3	142.8	150.3	155.1
27.5°	153.0	146.9	137.7	134.7	135.1	135.6	133.9	133.5	134.7	141.7	144.6
30°	141.4	137.1	129.9	127.2	127.0	128.8	126.6	126.0	127.6	133.2	133.8
32.5°	130.2	128.1	123.0	120.9	121.0	121.3	120.1	120.1	121.6	124.6	124.5
35°	119.2	117.9	117.0	115.5	115.3	114.7	114.7	115.0	116.7	117.7	115.8
37.5°	108.7	110.1	111.1	109.6	108.4	108.4	108.4	109.8	111.3	110.8	107.5
40°	99.4	102.3	105.6	103.9	101.1	100.9	101.5	103.8	106.0	103.3	100.3
42.5°	91.4	95.0	99.7	98.8	95.6	95.2	95.6	98.5	100.3	96.9	93.5
45°	83.6	88.1	93.7	93.7	90.2	89.8	89.9	93.7	94.7	90.7	86.5
47.5°	77.0	82.0	87.8	87.8	85.0	84.1	84.8	88.7	89.5	83.8	79.9
50°	70.7	76.1	82.6	82.1	80.2	79.4	80.8	85.0	84.1	77.8	73.7
52.5°	62.8	68.5	77.3	77.8	76.7	76.9	78.5	81.2	78.7	71.0	67.6
55°	55.6	61.4	70.3	72.7	72.7	72.5	73.3	75.4	73.3	64.1	59.9
57.5°	47.7	52.7	60.1	60.7	61.1	59.5	60.5	63.4	62.3	54.5	52.1
60°	39.2	43.4	47.6	48.0	46.1	42.6	44.6	47.9	48.7	42.8	40.1
62.5°	27.8	31.8	36.8	36.8	34.8	31.4	33.9	36.8	35.7	29.7	28.1
65°	20.7	24.5	28.2	29.9	28.2	25.8	27.8	29.9	28.2	23.3	20.9
67.5°	13.4	15.9	18.2	19.5	19.8	19.5	20.4	19.8	17.9	14.6	13.2
70°	8.1	9.5	10.7	11.9	12.8	13.2	13.7	12.3	10.4	8.6	8.1
72.5°	5.9	7.1	8.1	9.0	10.1	10.4	10.4	9.5	7.7	6.0	5.6
75°	4.1	5.1	6.0	6.6	7.5	7.8	7.8	7.1	5.7	4.4	3.9
77.5°	0.2	1.1	1.1	0.9	1.2	1.5	1.5	1.8	1.7	1.2	1.1
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: P628636

CATALOG NUMBER: GWS-SA1A-722-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8
2.5°	167.7	173.1	174.6	180.2	185.1	190.1	196.1	199.7	205.1	208.9	211.0
5°	151.2	155.7	161.1	169.4	177.9	187.4	198.8	208.7	221.2	230.3	233.3
7.5°	139.2	145.1	151.4	161.7	173.4	186.0	202.1	218.3	237.4	249.9	257.8
10°	136.9	142.9	151.4	161.6	173.9	188.3	208.0	229.0	252.9	268.0	277.0
12.5°	147.8	154.2	157.8	162.5	171.8	187.8	213.1	239.8	267.9	284.4	294.0
15°	163.7	169.4	163.5	157.7	163.7	183.0	215.9	248.8	281.1	300.2	310.1
17.5°	174.6	175.1	162.3	149.9	151.5	174.3	217.0	257.8	295.2	315.2	325.5
20°	173.6	170.0	157.1	143.2	138.1	163.1	215.8	265.8	309.5	330.3	340.6
22.5°	165.5	161.3	150.3	136.8	126.9	149.7	213.7	273.0	322.5	346.3	355.9
25°	155.7	151.2	142.2	130.3	119.7	136.8	212.0	282.9	339.1	367.0	374.5
27.5°	144.3	140.4	132.7	124.2	116.7	127.0	211.6	296.0	359.0	392.2	397.5
30°	133.2	129.6	123.6	118.6	115.5	121.3	210.1	309.9	382.9	421.2	426.9
32.5°	122.5	118.9	115.2	114.4	114.6	119.2	205.0	323.7	411.3	463.2	467.4
35°	113.4	109.2	107.7	109.5	112.8	115.6	190.5	335.1	441.8	509.0	512.5
37.5°	104.7	100.5	100.3	104.7	108.3	110.1	173.6	346.4	482.9	555.6	559.9
40°	96.7	92.5	94.0	99.3	102.1	103.0	153.0	363.5	526.4	604.7	602.3
42.5°	89.9	85.6	86.5	93.2	95.8	98.2	134.1	377.8	568.3	651.2	650.5
45°	83.3	80.0	79.4	86.8	89.0	98.7	120.3	388.8	622.2	710.5	711.7
47.5°	76.9	74.3	74.5	77.6	83.2	100.9	108.6	396.0	700.5	804.5	783.7
50°	71.0	69.1	70.7	67.1	79.4	98.1	98.5	394.5	787.9	894.6	852.7
52.5°	64.6	64.1	64.9	56.2	73.4	86.5	89.0	374.5	828.9	956.2	932.3
55°	58.0	57.8	51.8	44.9	61.4	69.1	76.3	312.5	827.5	988.9	1017.9
57.5°	50.2	49.0	39.3	36.6	47.7	48.0	69.5	204.7	733.4	910.5	970.6
60°	38.0	37.1	28.8	29.7	33.3	30.8	55.4	102.0	548.1	709.3	777.1
62.5°	26.3	25.1	21.5	23.0	21.5	17.6	33.9	50.5	332.0	447.9	509.3
65°	19.2	17.9	14.7	12.6	10.1	10.1	12.9	19.4	128.5	190.4	229.6
67.5°	11.9	11.3	8.7	6.3	6.2	6.6	6.8	9.6	20.7	33.0	40.4
70°	7.7	7.1	5.9	4.1	3.8	3.9	4.1	4.5	5.3	5.7	6.9
72.5°	5.3	5.0	4.2	2.3	1.8	2.0	2.1	2.1	2.6	2.4	2.9
75°	3.8	3.5	3.0	1.1	0.6	0.8	0.9	0.8	0.9	0.6	0.8
77.5°	1.1	1.1	0.8	0.2	0.0	0.2	0.3	0.3	0.2	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	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: P628636  
 CATALOG NUMBER: GWS-SA1A-722-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8
2.5°	216.4	219.8	221.2	219.2	220.9	218.2	217.1	213.1	212.8	212.0
5°	245.5	253.3	258.0	260.8	257.5	253.9	248.5	239.2	236.3	234.5
7.5°	274.2	286.3	294.3	298.1	297.2	289.8	280.0	264.4	258.9	256.2
10°	299.1	314.0	323.6	328.2	326.3	319.8	305.9	286.3	279.0	277.3
12.5°	316.5	330.2	336.8	340.9	341.0	338.5	325.2	305.6	296.9	294.8
15°	327.5	333.3	333.5	335.9	340.1	345.8	339.7	322.2	312.9	309.8
17.5°	334.4	327.9	321.3	321.9	328.8	344.0	350.3	337.0	327.0	323.6
20°	339.4	318.9	306.6	306.8	313.8	336.8	357.7	351.2	341.0	337.9
22.5°	342.5	311.0	293.4	293.0	300.5	328.2	364.4	368.2	358.1	354.5
25°	349.0	307.2	285.4	288.0	294.6	325.5	373.6	390.7	381.4	376.6
27.5°	360.5	311.0	284.7	290.6	298.1	333.5	389.5	420.7	411.1	405.7
30°	380.5	325.1	296.3	304.4	313.4	354.4	416.2	462.6	448.8	443.7
32.5°	412.6	354.4	332.0	349.4	358.1	388.6	456.3	509.6	498.4	488.2
35°	456.9	421.2	418.6	459.2	457.1	453.5	505.6	567.3	550.3	540.4
37.5°	517.9	528.7	547.6	587.9	586.5	559.0	570.3	621.8	613.1	600.3
40°	594.0	617.0	649.1	706.8	688.8	654.2	649.7	677.7	670.6	655.6
42.5°	638.9	678.6	739.8	791.6	777.2	716.8	711.7	752.3	736.8	720.4
45°	659.8	728.7	848.8	919.0	875.3	758.4	756.5	849.6	840.9	819.0
47.5°	669.4	779.3	976.5	1082.6	1000.9	794.9	787.9	990.7	979.3	953.5
50°	680.1	849.1	1130.2	1272.3	1152.7	836.2	841.3	1122.3	1117.5	1087.0
52.5°	703.5	923.0	1319.6	1489.1	1336.8	900.9	933.1	1246.3	1213.9	1178.7
55°	738.6	1003.5	1516.6	1710.6	1524.7	987.9	1032.3	1312.2	1221.2	1182.3
57.5°	699.7	1023.6	1633.2	1865.2	1608.0	988.2	948.4	1197.9	1074.1	1036.4
60°	555.3	952.3	1588.4	1831.8	1537.0	877.5	726.2	935.3	813.7	788.5
62.5°	375.4	798.7	1398.3	1549.2	1315.5	690.3	471.9	608.3	503.8	482.9
65°	205.7	595.8	1129.8	1172.0	1029.6	482.2	242.8	264.0	201.1	191.7
67.5°	56.8	414.7	831.3	777.5	722.4	314.0	62.8	47.1	33.6	33.3
70°	14.3	274.3	498.1	513.4	443.0	201.1	12.0	5.7	4.5	4.4
72.5°	6.0	118.0	236.3	271.6	226.7	93.1	4.4	1.7	1.4	1.1
75°	0.8	9.5	20.1	30.5	20.9	10.1	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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
85°	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)