

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: P630620

Luminaire Tested: GWS-SA1E-722-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-722-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3463.9 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

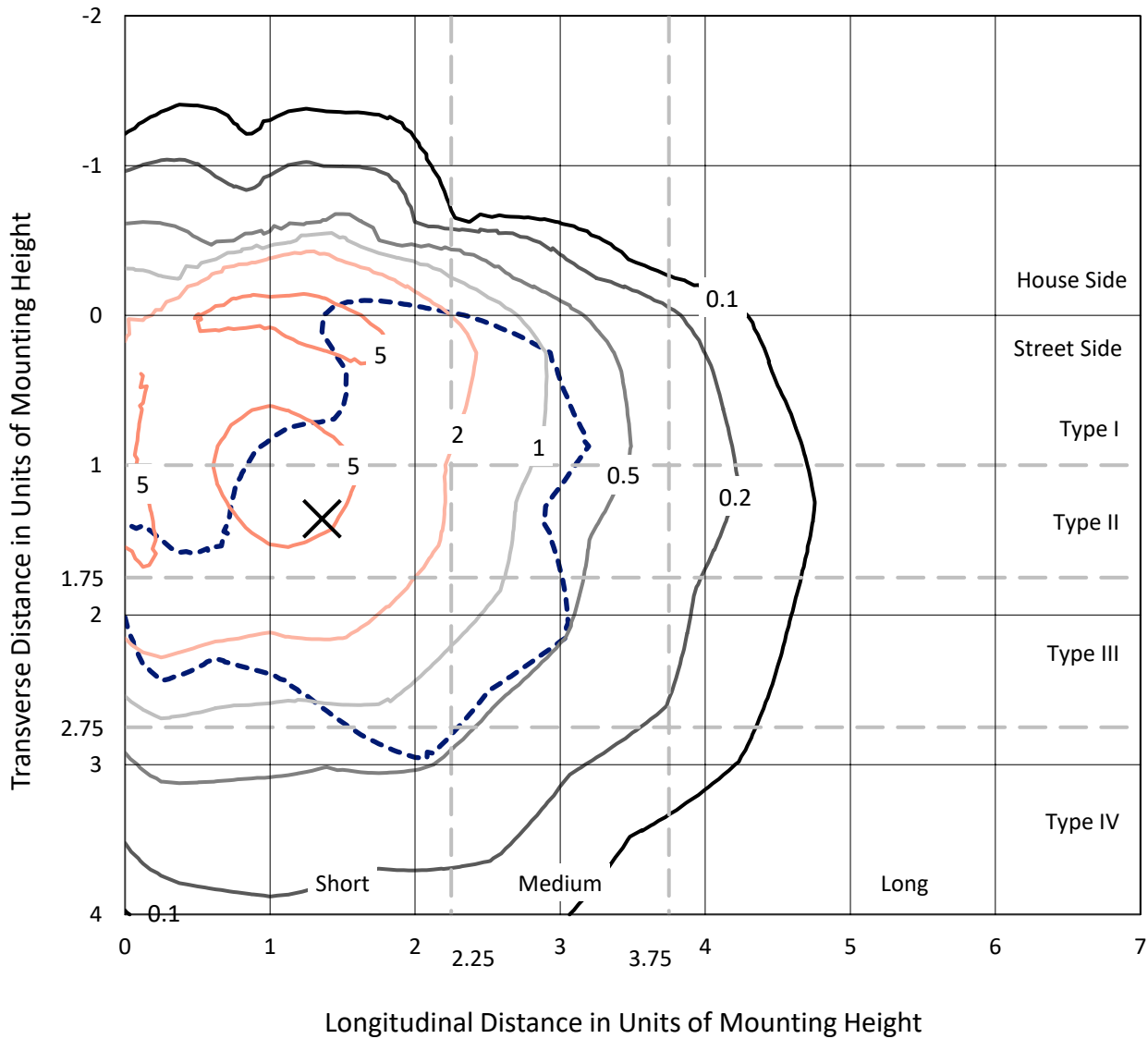
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630620
 CATALOG NUMBER: GWS-SA1E-722-U-SLR-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

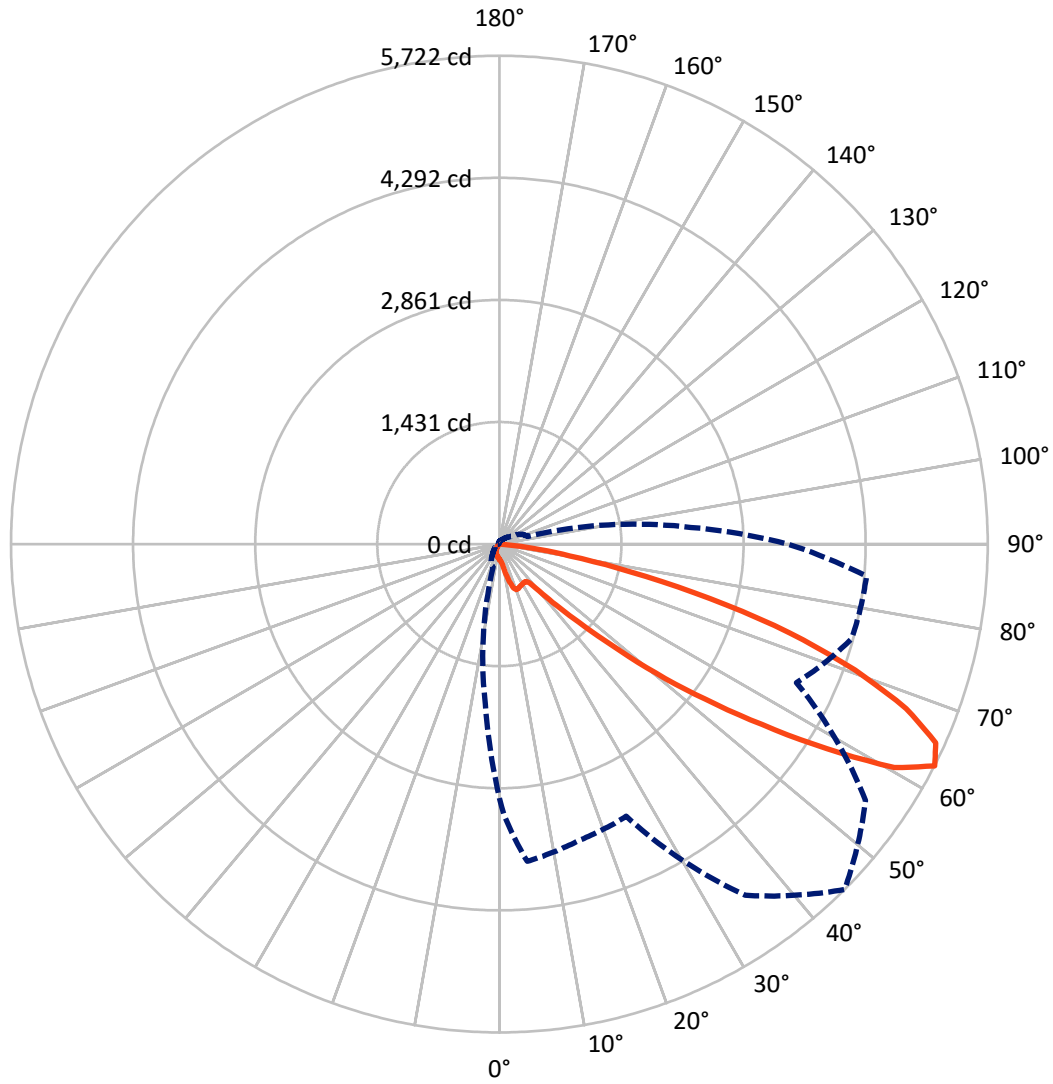
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type IV - Short - N/A

REPORT NUMBER: P630620
CATALOG NUMBER: GWS-SA1E-722-U-SLR-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P630620

CATALOG NUMBER: GWS-SA1E-722-U-SLR-W-HSS

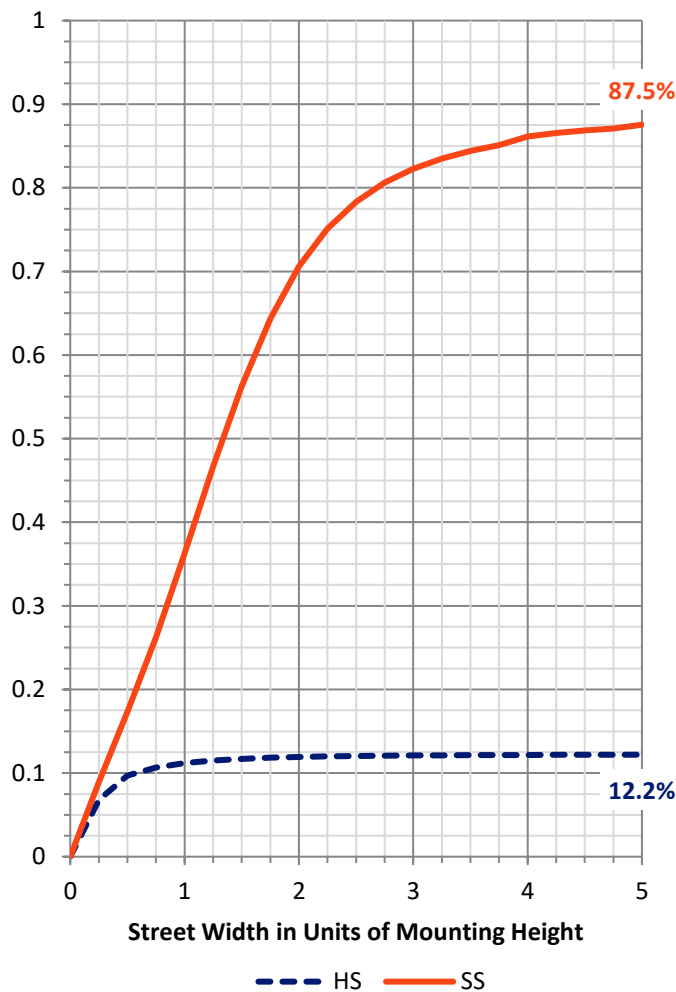
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	427.4	0.0	427.4
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	3036.4	0.0	3036.4
	% Fixture	87.7	0.0	87.7
Total	Lumens	3463.9	0.0	3463.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.0	0.5
10°-20°	60.4	1.7
20°-30°	131.3	3.8
30°-40°	215.5	6.2
40°-50°	396.1	11.4
50°-60°	850.7	24.6
60°-70°	1142.6	33.0
70°-80°	595.0	17.2
80°-90°	56.4	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°	3463.9	100.0
0°-180°	3463.9	100.0

Coefficient of Utilization

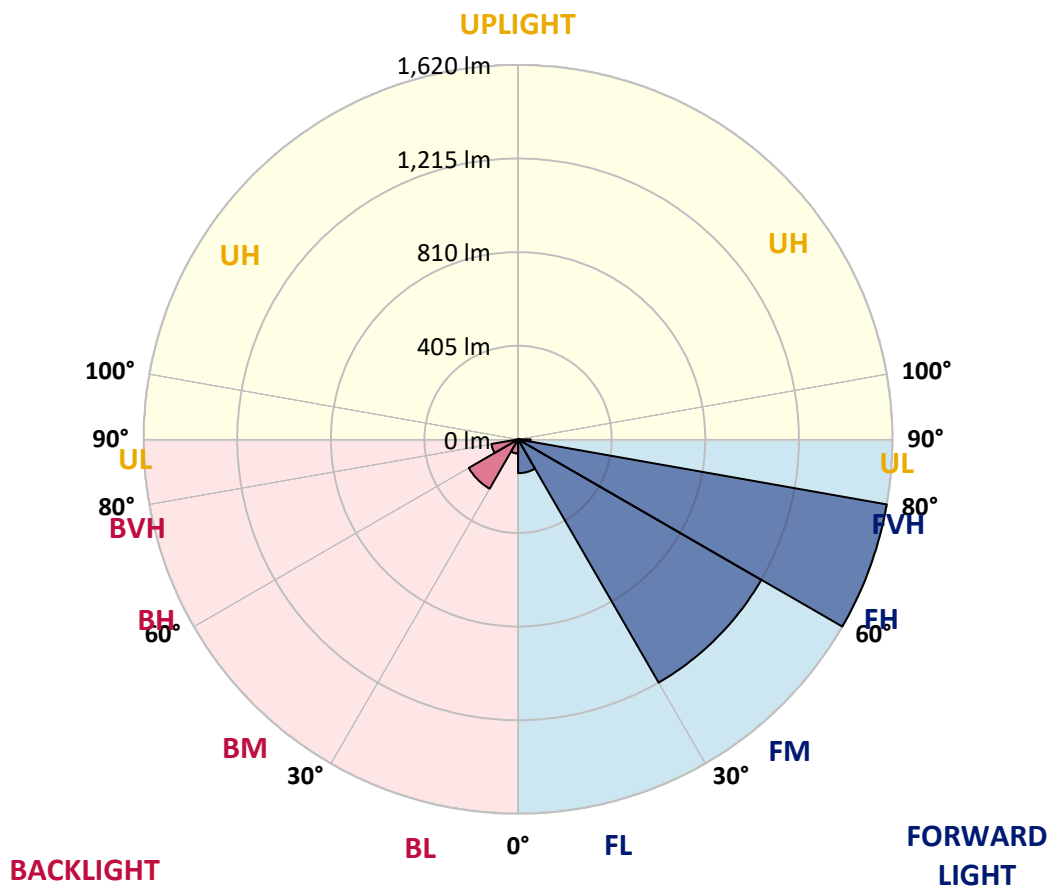


REPORT NUMBER: P630620
 CATALOG NUMBER: GWS-SA1E-722-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	146.3	4.2			
FM (30°-60°)	1215.8	35.1			
FH (60°-80°)	1620.4	46.8			G1/1800
FVH (80°-90°)	53.9	1.6			G1/100
BL (0°-30°)	61.3	1.8	B0/110		
BM (30°-60°)	246.5	7.1	B1/1000		
BH (60°-80°)	117.1	3.4	B1/500		G1/500
BVH (80°-90°)	2.5	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-G1
 Type IV Short





REPORT NUMBER: P630620
 CATALOG NUMBER: GWS-SA1E-722-U-SLR-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1
2.5°	183.7	184.5	185.3	188.1	190.1	191.7	192.1	190.9	188.1	185.3	181.3
5°	178.0	178.8	181.7	189.3	196.9	202.9	204.9	203.7	196.9	188.1	178.8
7.5°	177.6	179.3	186.1	202.1	218.5	230.9	234.1	231.3	218.5	200.9	182.1
10°	192.1	194.9	204.9	233.7	263.7	285.7	294.5	282.5	262.1	230.1	199.3
12.5°	229.7	234.5	253.7	295.7	342.1	371.3	383.3	368.5	336.5	290.1	241.3
15°	288.9	296.1	324.9	387.7	442.5	468.5	472.5	464.1	426.9	375.7	310.1
17.5°	372.5	382.9	427.7	491.7	531.3	540.6	539.4	530.5	503.3	468.1	406.1
20°	472.5	484.9	528.9	581.8	585.8	575.0	569.0	563.8	554.6	548.6	500.1
22.5°	573.4	588.6	634.6	647.8	611.8	580.6	565.8	569.8	583.4	613.0	593.4
25°	673.8	688.2	731.4	695.8	623.8	571.8	553.0	562.6	595.0	659.0	684.2
27.5°	791.0	801.8	827.4	728.6	625.8	564.6	546.2	561.0	600.6	687.8	783.8
30°	913.1	919.5	907.1	737.4	619.0	553.8	539.4	561.0	610.2	707.0	858.6
32.5°	1002.7	1003.9	963.5	738.2	615.4	545.0	532.9	558.6	619.4	723.0	931.1
35°	1095.1	1089.1	1017.5	750.2	625.0	548.2	537.8	565.4	633.8	741.8	994.7
37.5°	1188.7	1177.9	1077.9	769.8	649.8	583.0	576.6	600.2	657.0	767.8	1064.7
40°	1284.8	1270.0	1140.7	799.4	705.0	701.4	723.4	720.6	720.6	801.0	1136.7
42.5°	1402.0	1384.8	1233.5	883.0	833.8	914.3	974.3	937.1	868.2	877.4	1230.3
45°	1556.8	1542.0	1394.4	1043.1	1035.9	1220.7	1301.6	1227.9	1056.7	1053.9	1386.8
47.5°	1804.5	1801.7	1650.9	1228.7	1283.2	1610.8	1766.9	1625.3	1271.6	1240.7	1682.9
50°	2152.6	2144.2	1970.6	1446.4	1577.2	2094.2	2372.7	2136.6	1531.2	1458.8	2079.4
52.5°	2544.7	2553.5	2418.3	1684.1	1889.7	2631.9	3019.6	2722.4	1813.3	1736.1	2578.3
55°	2914.0	2964.4	2928.8	1962.1	2195.0	3225.7	3730.2	3364.9	2162.6	2099.0	3137.7
57.5°	3202.9	3344.9	3594.6	2366.3	2553.9	3920.3	4523.7	4061.5	2570.3	2688.4	3899.1
60°	3218.9	3407.0	3986.7	3211.7	3015.6	4516.1	5315.9	4742.1	3211.3	3689.0	4495.7
62.5°	2977.6	3179.3	3731.4	3595.8	3518.6	5023.0	5722.4	5238.3	3841.9	4275.2	4318.8
65°	2701.6	2905.2	3446.6	3160.1	3460.2	5001.4	5619.2	5249.9	3899.1	3876.7	4002.3
67.5°	2284.2	2467.1	2957.2	2797.2	3189.3	4760.1	5142.2	4919.0	3592.2	3625.8	3681.8
70°	1667.3	1843.3	2298.2	2306.2	2785.2	4325.2	4418.4	4387.6	3308.1	3343.7	3183.7
72.5°	1204.3	1352.8	1745.3	1891.3	2223.4	3627.0	3562.6	3681.4	2838.4	2978.0	2557.1
75°	865.8	977.1	1280.4	1645.3	1762.5	2693.6	2550.3	2851.2	2277.4	2564.3	1922.5
77.5°	351.3	390.5	503.7	1108.3	1158.3	1812.1	1561.2	2071.0	1623.7	1684.9	931.9
80°	14.4	16.0	20.8	572.2	794.2	1019.5	835.4	1107.1	1072.3	678.6	220.1
82.5°	1.6	1.6	3.6	164.8	347.7	562.6	393.7	637.8	543.0	287.7	100.0
85°	0.4	0.4	0.8	18.8	81.6	90.0	53.2	195.7	252.5	117.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.6	4.0	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: P630620

CATALOG NUMBER: GWS-SA1E-722-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1
2.5°	181.3	179.3	176.8	174.4	173.2	170.0	168.8	168.0	167.2	167.6	167.6
5°	175.2	170.8	165.6	160.4	157.6	154.4	152.8	152.0	152.4	154.0	154.0
7.5°	174.4	166.0	154.8	148.0	144.8	142.4	140.8	140.0	140.4	142.4	143.2
10°	187.7	172.8	152.8	141.2	137.6	135.2	133.6	132.4	131.6	133.2	133.6
12.5°	216.1	195.7	162.4	140.4	134.0	130.8	129.6	127.2	126.0	126.8	127.2
15°	274.9	239.7	181.7	143.6	130.8	127.2	125.2	123.2	121.2	120.8	121.2
17.5°	351.7	301.3	210.9	151.2	128.4	124.0	121.2	118.4	115.6	115.2	114.8
20°	446.9	376.9	251.7	163.2	126.4	121.2	117.2	113.2	109.6	108.4	108.4
22.5°	533.7	468.1	304.1	178.0	123.6	117.2	112.4	107.6	103.6	101.6	101.2
25°	639.8	565.0	366.9	195.3	119.6	112.0	106.8	102.0	98.0	95.6	94.8
27.5°	746.6	667.0	438.1	217.7	114.8	106.8	102.0	97.6	93.2	90.4	89.6
30°	850.2	777.0	518.1	245.7	111.2	101.6	97.6	93.2	89.2	84.8	83.6
32.5°	961.5	889.4	607.8	276.9	108.4	98.0	93.6	89.6	84.4	80.4	78.4
35°	1068.7	1005.5	706.6	307.3	105.6	94.8	90.0	86.0	80.4	76.0	73.2
37.5°	1176.7	1123.5	809.8	325.7	101.6	90.4	86.0	82.8	76.4	71.2	68.0
40°	1291.2	1245.5	921.5	318.1	98.0	85.6	83.2	79.6	72.4	66.4	62.4
42.5°	1416.8	1362.0	1035.1	288.9	94.8	81.6	79.2	75.6	68.8	61.6	56.4
45°	1574.8	1489.6	1128.3	244.9	96.4	77.6	72.8	72.0	65.6	56.4	50.0
47.5°	1846.5	1685.7	1200.7	216.5	107.2	73.2	67.6	69.6	62.8	51.2	44.0
50°	2262.2	2010.6	1268.4	214.5	123.6	71.2	62.8	68.0	60.0	46.0	38.8
52.5°	2658.3	2340.7	1311.6	232.1	138.0	76.4	58.0	66.0	58.0	42.4	35.2
55°	3037.2	2531.1	1234.3	244.9	151.6	92.0	54.4	62.8	55.6	40.4	34.0
57.5°	3445.8	2615.9	971.9	270.9	161.2	105.2	55.2	58.0	52.4	39.2	33.6
60°	3567.8	2507.5	586.6	304.9	156.0	109.2	61.2	51.6	48.0	36.8	32.4
62.5°	3378.1	2250.2	346.1	277.7	151.6	103.2	70.0	47.6	43.6	33.6	30.0
65°	3094.5	1900.9	225.7	234.5	160.8	92.0	74.4	45.6	39.6	30.4	26.4
67.5°	2770.4	1531.2	158.0	138.4	148.4	82.8	62.8	45.2	35.6	25.6	21.6
70°	2333.5	1146.7	111.2	91.6	123.6	73.6	48.8	44.0	31.2	20.8	16.8
72.5°	1802.9	717.8	82.8	59.2	88.0	60.0	38.8	37.2	25.2	17.2	12.8
75°	1329.6	409.3	58.4	42.8	58.0	45.6	28.8	26.4	21.6	16.4	11.6
77.5°	694.2	204.9	36.4	32.8	33.2	28.4	20.8	19.2	20.0	16.4	10.8
80°	133.2	40.8	22.0	24.0	18.0	18.0	15.2	16.0	17.6	13.2	9.2
82.5°	55.6	8.8	12.0	13.6	11.2	12.4	12.4	12.8	12.4	9.6	6.8
85°	0.0	0.0	5.2	5.6	7.6	7.6	6.4	6.4	6.4	5.6	4.0
87.5°	0.0	0.0	0.0	0.0	0.4	1.2	2.4	2.8	3.2	2.4	1.6
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: P630620
 CATALOG NUMBER: GWS-SA1E-722-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1
2.5°	167.2	166.4	167.6	168.4	169.2	169.2	168.4	167.6	166.4	167.6	166.4
5°	154.4	155.6	157.6	158.4	159.2	157.6	156.8	154.4	152.4	152.8	152.0
7.5°	144.4	145.6	148.0	149.6	149.6	148.8	146.4	144.0	140.8	140.8	140.4
10°	135.2	136.8	139.6	141.6	142.4	141.6	139.2	136.0	133.2	133.2	132.0
12.5°	127.6	129.6	132.8	135.6	136.4	135.6	133.2	130.0	126.8	126.8	126.0
15°	121.2	123.6	127.2	130.4	131.6	130.4	127.6	123.6	120.4	120.8	119.6
17.5°	115.2	117.2	122.0	125.6	126.8	125.6	122.0	116.8	113.6	114.4	113.6
20°	108.4	110.8	115.6	119.6	120.8	119.6	115.6	110.0	106.8	106.8	107.2
22.5°	101.2	103.6	108.4	111.2	112.8	111.6	107.6	102.4	99.2	99.2	99.6
25°	94.8	96.0	99.6	102.4	102.8	101.6	98.4	94.4	92.0	93.2	93.6
27.5°	88.8	88.8	90.4	92.0	91.6	90.4	89.2	86.0	85.6	86.8	88.0
30°	82.4	80.4	79.6	78.4	78.0	77.6	78.8	78.8	79.6	81.2	82.4
32.5°	76.8	72.8	69.2	65.6	63.6	65.2	68.4	71.2	74.0	76.4	77.6
35°	70.4	64.0	58.0	53.2	50.0	52.4	57.6	62.8	67.6	70.8	72.8
37.5°	64.0	54.8	47.6	41.6	39.2	41.2	46.8	54.0	61.2	65.2	68.0
40°	57.2	45.6	37.2	32.4	30.0	32.0	37.6	44.8	54.4	59.6	63.2
42.5°	50.4	37.6	30.0	25.2	24.0	25.2	29.6	36.8	47.2	53.6	58.4
45°	43.6	31.2	24.0	20.4	19.2	20.4	24.0	30.0	40.4	47.6	53.2
47.5°	37.6	26.4	20.0	16.8	16.0	17.2	20.0	25.2	34.0	41.2	47.6
50°	32.8	23.2	17.2	14.4	13.6	14.8	17.2	21.2	28.8	35.2	42.0
52.5°	29.6	21.6	15.2	12.4	12.0	12.8	14.8	18.0	24.4	30.0	36.4
55°	28.8	21.6	14.0	11.2	10.8	11.6	13.2	15.6	21.2	26.0	31.6
57.5°	29.6	23.2	13.2	9.6	9.2	10.0	11.6	13.6	18.4	22.4	27.6
60°	29.6	23.6	11.6	7.6	7.2	8.0	9.6	12.0	16.4	19.6	24.0
62.5°	26.8	21.6	9.6	6.0	5.2	6.0	8.0	10.0	14.4	17.6	21.2
65°	23.2	18.4	8.0	4.4	3.6	4.4	6.4	8.4	12.4	15.2	19.2
67.5°	18.8	14.0	6.0	3.2	2.4	3.2	4.8	6.8	10.4	13.2	17.2
70°	14.0	10.0	4.8	2.8	2.4	2.8	4.4	6.4	9.2	12.0	16.0
72.5°	10.4	6.8	4.0	2.8	2.0	2.8	4.0	6.0	8.8	11.6	15.2
75°	8.8	5.6	3.6	2.4	2.0	2.4	3.6	5.6	8.0	10.8	14.4
77.5°	8.4	5.2	3.2	2.0	1.6	2.0	3.2	4.8	7.2	10.0	14.0
80°	7.2	4.4	2.8	1.6	1.2	1.6	2.8	4.0	5.6	7.6	10.8
82.5°	5.6	3.6	2.0	0.8	0.4	0.8	2.0	2.4	3.6	4.4	6.4
85°	3.6	2.0	0.8	0.0	0.0	0.0	0.8	1.6	1.6	2.0	3.2
87.5°	1.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2
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: P630620
 CATALOG NUMBER: GWS-SA1E-722-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1
2.5°	168.8	169.2	170.0	171.2	174.0	176.4	178.8	182.1	183.7	183.7
5°	152.8	153.2	153.6	155.2	159.2	162.4	167.6	174.0	177.2	178.0
7.5°	140.4	141.2	142.0	143.2	147.2	151.6	158.4	170.4	176.4	177.6
10°	133.2	134.4	136.0	138.4	142.0	146.8	158.4	180.1	190.1	192.1
12.5°	127.6	129.6	131.2	134.0	138.4	146.0	169.2	207.3	224.9	229.7
15°	122.0	124.4	126.8	129.6	134.4	148.8	190.1	256.1	285.3	288.9
17.5°	116.4	119.2	122.4	125.6	131.6	155.6	222.9	323.7	364.5	372.5
20°	110.0	113.6	118.0	122.0	128.8	166.4	268.5	404.1	455.3	472.5
22.5°	103.2	107.6	112.8	118.0	125.6	179.7	323.7	490.5	562.2	573.4
25°	97.6	102.0	106.8	112.0	120.4	195.7	390.5	597.8	663.0	673.8
27.5°	92.4	96.8	101.2	106.0	115.2	216.5	470.9	711.8	779.8	791.0
30°	86.8	92.0	96.4	101.2	110.4	242.1	563.8	838.2	902.7	913.1
32.5°	82.0	87.2	91.6	96.4	106.8	270.1	661.4	950.3	1002.7	1002.7
35°	78.0	83.6	86.8	93.2	104.0	288.1	753.8	1057.1	1096.7	1095.1
37.5°	73.6	80.4	82.8	87.2	100.4	290.1	840.6	1169.9	1199.1	1188.7
40°	69.2	76.4	80.0	82.4	96.4	273.7	935.9	1273.6	1298.4	1284.8
42.5°	65.2	70.8	76.0	78.8	94.0	244.9	1012.3	1384.4	1414.0	1402.0
45°	61.2	66.0	69.2	74.4	95.6	224.9	1077.9	1513.6	1565.6	1556.8
47.5°	57.2	61.2	63.2	71.2	106.4	215.7	1117.9	1713.7	1811.7	1804.5
50°	52.8	57.6	57.6	70.4	122.4	218.9	1152.7	2003.4	2155.0	2152.6
52.5°	48.4	53.6	52.8	76.4	134.8	233.7	1192.3	2259.0	2522.7	2544.7
55°	44.0	48.8	49.6	88.4	142.0	246.5	1039.1	2366.7	2836.8	2914.0
57.5°	39.2	42.0	51.6	97.6	139.6	283.7	711.8	2386.3	3037.2	3202.9
60°	34.0	36.4	58.4	95.6	132.0	262.1	448.1	2210.2	3008.8	3218.9
62.5°	29.6	33.6	61.6	84.4	134.4	227.3	285.7	1883.7	2738.0	2977.6
65°	26.0	32.4	56.0	76.4	136.0	154.0	192.9	1532.4	2473.5	2701.6
67.5°	23.2	36.0	46.0	68.0	116.8	108.4	132.4	1190.7	2079.8	2284.2
70°	21.2	36.8	37.6	58.4	90.4	69.6	87.2	801.4	1433.6	1667.3
72.5°	19.2	27.2	28.4	46.8	58.4	42.4	56.4	458.5	1045.1	1204.3
75°	18.4	18.4	19.6	30.4	32.4	30.8	36.4	273.7	749.4	865.8
77.5°	17.2	14.0	12.4	19.6	17.6	22.0	21.6	121.6	324.9	351.3
80°	13.6	10.0	8.4	12.4	12.0	14.8	12.8	10.0	14.8	14.4
82.5°	8.4	6.4	6.0	7.6	6.8	7.6	6.0	1.6	1.6	1.6
85°	4.0	3.6	3.2	3.2	3.6	3.2	2.4	0.8	0.4	0.4
87.5°	2.0	2.0	1.6	1.2	1.6	1.6	1.2	0.4	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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