

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: P632600

Luminaire Tested: GWS-SA2D-722-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632600
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-SA2D-722-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5337.5 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

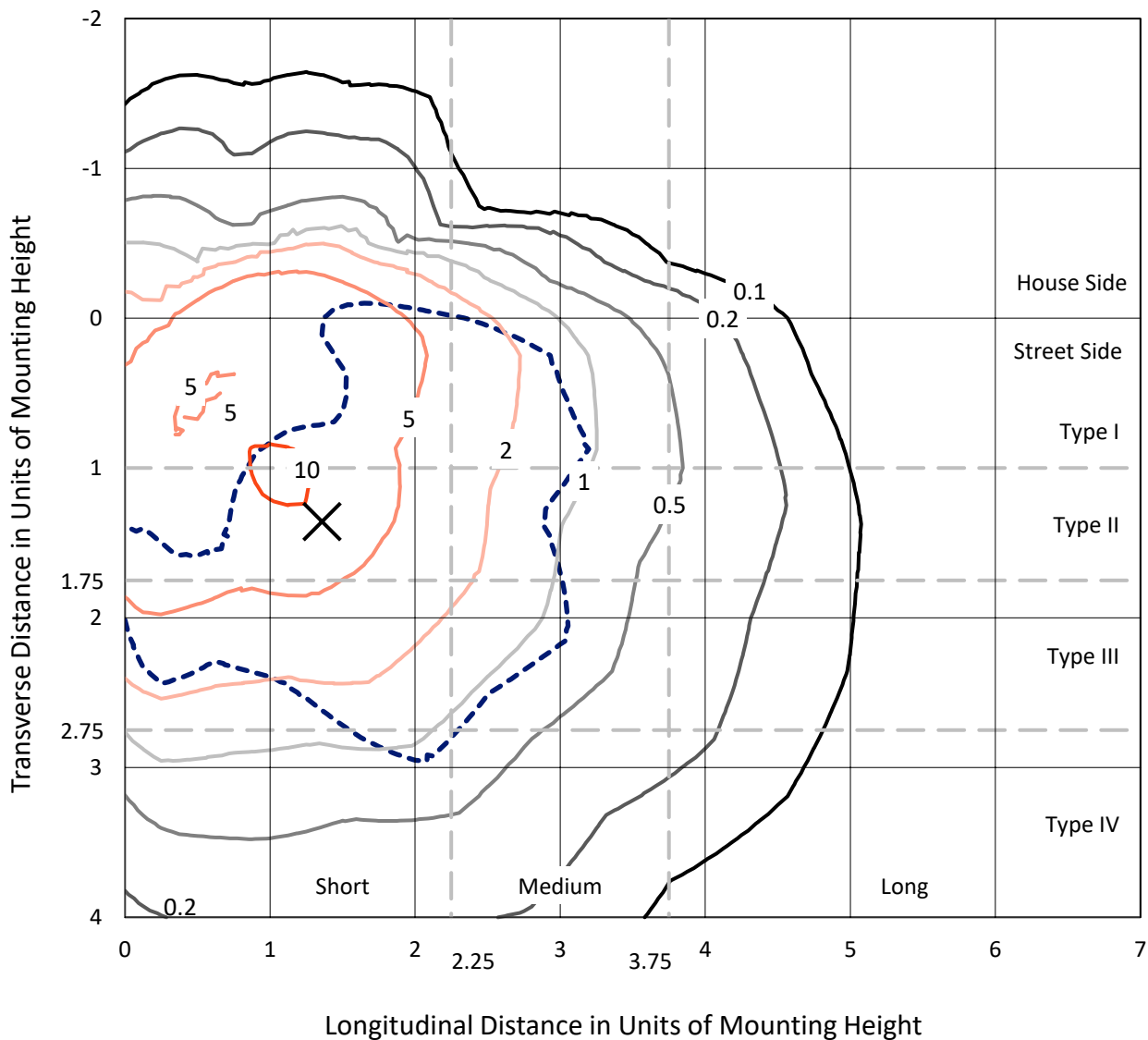
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

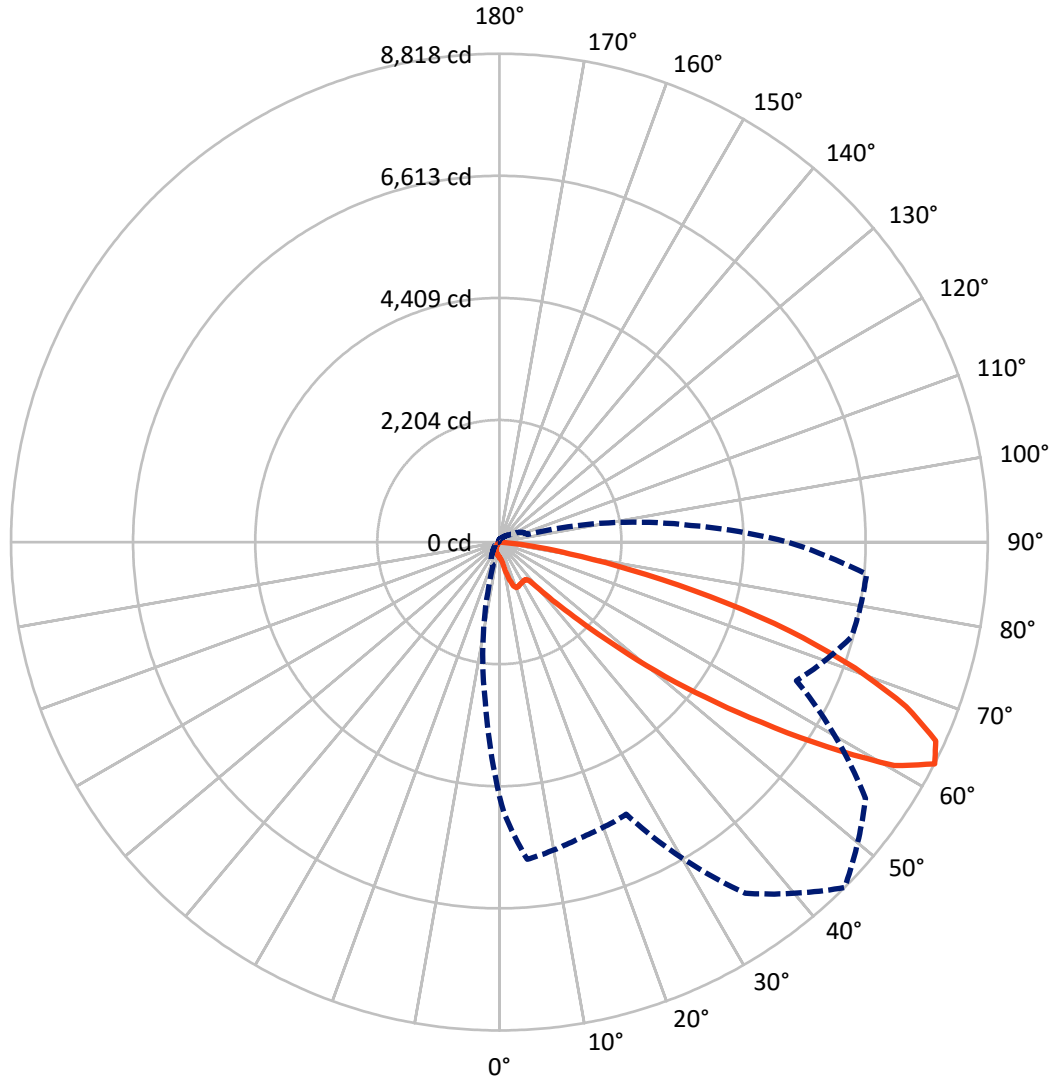
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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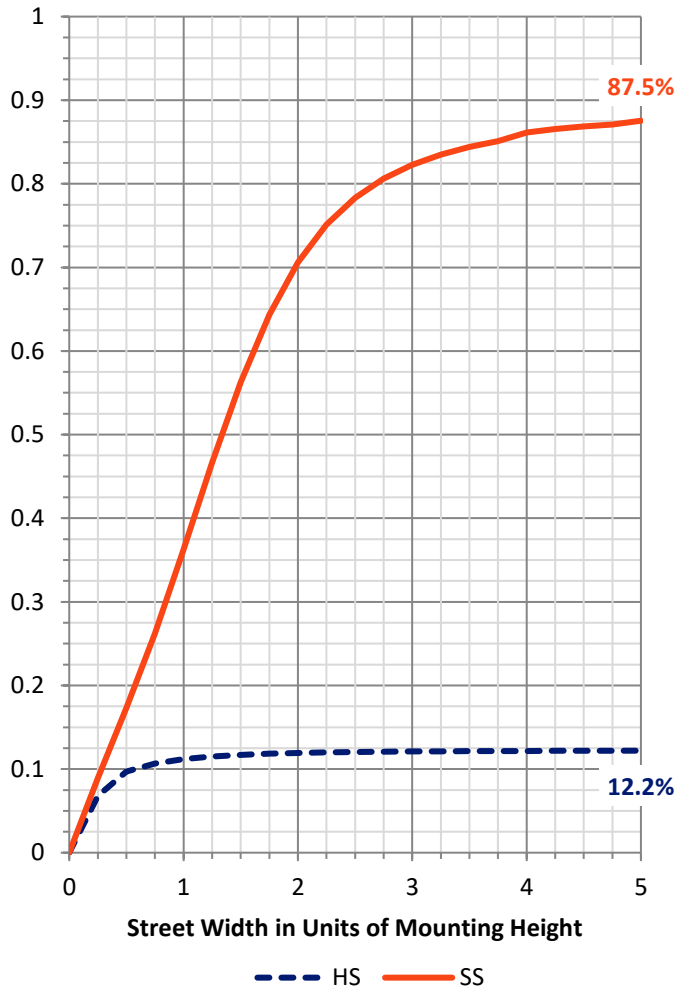
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	658.6	0.0	658.6
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	4678.9	0.0	4678.9
	% Fixture	87.7	0.0	87.7
Total	Lumens	5337.5	0.0	5337.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.6	0.5
10°-20°	93.1	1.7
20°-30°	202.3	3.8
30°-40°	332.0	6.2
40°-50°	610.4	11.4
50°-60°	1310.8	24.6
60°-70°	1760.6	33.0
70°-80°	916.8	17.2
80°-90°	86.9	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°	5337.5	100.0
0°-180°	5337.5	100.0

Coefficient of Utilization



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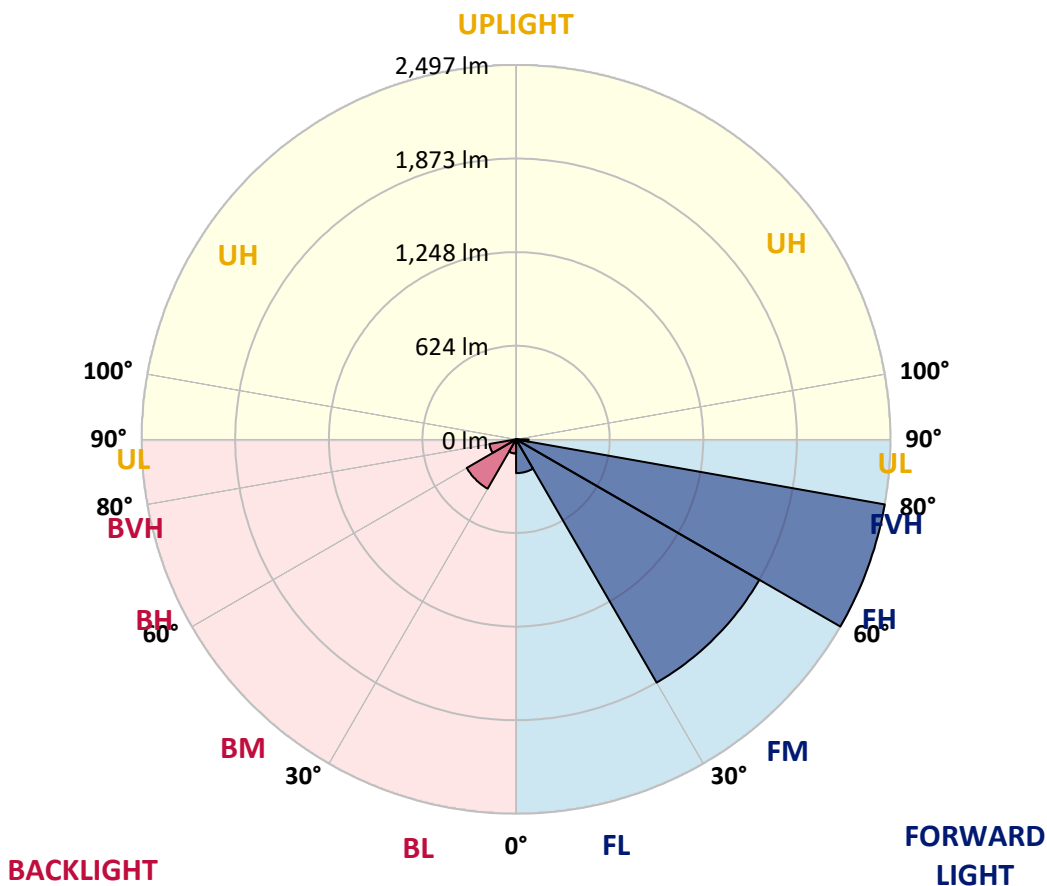
CATALOG NUMBER: GWS-SA2D-722-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	225.5	4.2			
FM (30°-60°)	1873.4	35.1			
FH (60°-80°)	2496.9	46.8			G2/5000
FVH (80°-90°)	83.0	1.6			G1/100
BL (0°-30°)	94.5	1.8	B0/110		
BM (30°-60°)	379.8	7.1	B1/1000		
BH (60°-80°)	180.5	3.4	B1/500		G1/500
BVH (80°-90°)	3.9	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	277.4	277.4	277.4	277.4	277.4	277.4	277.4	277.4	277.4	277.4	277.4
2.5°	283.0	284.2	285.5	289.8	292.9	295.3	295.9	294.1	289.8	285.5	279.3
5°	274.4	275.6	279.9	291.6	303.3	312.6	315.7	313.8	303.3	289.8	275.6
7.5°	273.7	276.2	286.7	311.3	336.6	355.7	360.7	356.4	336.6	309.5	280.5
10°	295.9	300.2	315.7	360.1	406.3	440.2	453.8	435.3	403.8	354.5	307.0
12.5°	353.9	361.3	390.9	455.6	527.1	572.1	590.6	567.8	518.5	447.0	371.8
15°	445.1	456.2	500.6	597.4	681.9	722.0	728.1	715.2	657.8	578.9	477.8
17.5°	574.0	590.0	659.1	757.7	818.8	832.9	831.1	817.5	775.6	721.3	625.8
20°	728.1	747.2	815.1	896.4	902.6	886.0	876.7	868.7	854.5	845.3	770.7
22.5°	883.5	906.9	977.8	998.2	942.7	894.6	871.8	877.9	898.9	944.5	914.3
25°	1038.2	1060.4	1127.0	1072.1	961.2	881.0	852.0	866.8	916.8	1015.4	1054.3
27.5°	1218.9	1235.5	1275.0	1122.7	964.3	869.9	841.6	864.4	925.4	1059.8	1207.8
30°	1406.9	1416.8	1397.7	1136.3	953.8	853.3	831.1	864.4	940.2	1089.4	1323.1
32.5°	1545.0	1546.9	1484.6	1137.5	948.2	839.7	821.2	860.7	954.4	1114.1	1434.7
35°	1687.4	1678.2	1567.8	1156.0	963.0	844.6	828.6	871.2	976.6	1143.0	1532.7
37.5°	1831.7	1815.1	1660.9	1186.2	1001.2	898.3	888.4	924.8	1012.3	1183.1	1640.6
40°	1979.7	1956.9	1757.7	1231.8	1086.3	1080.8	1114.7	1110.4	1110.4	1234.3	1751.6
42.5°	2160.3	2133.8	1900.8	1360.7	1284.8	1408.8	1501.2	1443.9	1337.9	1352.0	1895.8
45°	2398.9	2376.1	2148.6	1607.3	1596.2	1881.0	2005.6	1892.1	1628.3	1623.9	2136.9
47.5°	2780.5	2776.2	2543.8	1893.4	1977.2	2482.1	2722.6	2504.3	1959.3	1911.9	2593.1
50°	3316.9	3304.0	3036.4	2228.8	2430.4	3226.9	3656.0	3292.3	2359.5	2247.9	3204.1
52.5°	3921.1	3934.7	3726.3	2595.0	2911.9	4055.5	4652.9	4194.9	2794.1	2675.1	3972.9
55°	4490.2	4567.9	4513.0	3023.5	3382.3	4970.5	5747.9	5185.0	3332.3	3234.3	4834.8
57.5°	4935.3	5154.2	5538.9	3646.2	3935.3	6040.8	6970.5	6258.4	3960.6	4142.5	6008.1
60°	4960.0	5249.7	6143.1	4948.9	4646.8	6958.8	8191.2	7307.1	4948.3	5684.4	6927.3
62.5°	4588.2	4898.9	5749.8	5540.8	5421.8	7739.9	8817.6	8071.6	5919.9	6587.6	6654.8
65°	4162.8	4476.6	5310.8	4869.4	5331.7	7706.6	8658.5	8089.5	6008.1	5973.6	6167.1
67.5°	3519.8	3801.5	4556.8	4310.2	4914.4	7334.9	7923.6	7579.6	5535.2	5587.0	5673.3
70°	2569.1	2840.4	3541.3	3553.7	4291.7	6664.7	6808.3	6760.9	5097.5	5152.3	4905.7
72.5°	1855.8	2084.5	2689.3	2914.3	3426.1	5588.8	5489.6	5672.7	4373.7	4588.8	3940.2
75°	1334.2	1505.6	1972.9	2535.2	2715.8	4150.5	3929.8	4393.4	3509.3	3951.3	2962.4
77.5°	541.3	601.7	776.2	1707.8	1784.9	2792.3	2405.7	3191.2	2501.9	2596.2	1435.9
80°	22.2	24.7	32.1	881.6	1223.8	1570.9	1287.3	1705.9	1652.3	1045.6	339.1
82.5°	2.5	2.5	5.5	254.0	535.8	866.8	606.7	982.7	836.6	443.3	154.1
85°	0.6	0.6	1.2	29.0	125.8	138.7	82.0	301.5	389.0	181.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	5.5	6.2	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°	277.4	277.4	277.4	277.4	277.4	277.4	277.4	277.4	277.4	277.4	277.4
2.5°	279.3	276.2	272.5	268.8	267.0	262.0	260.2	258.9	257.7	258.3	258.3
5°	270.0	263.3	255.2	247.2	242.9	238.0	235.5	234.3	234.9	237.4	237.4
7.5°	268.8	255.9	238.6	228.1	223.2	219.5	217.0	215.8	216.4	219.5	220.7
10°	289.2	266.3	235.5	217.6	212.1	208.4	205.9	204.1	202.8	205.3	205.9
12.5°	332.9	301.5	250.3	216.4	206.5	201.6	199.8	196.1	194.2	195.4	196.1
15°	423.6	369.3	279.9	221.3	201.6	196.1	193.0	189.9	186.8	186.2	186.8
17.5°	541.9	464.2	324.9	233.0	197.9	191.1	186.8	182.5	178.2	177.6	176.9
20°	688.7	580.8	387.8	251.5	194.8	186.8	180.6	174.5	168.9	167.1	167.1
22.5°	822.5	721.3	468.6	274.4	190.5	180.6	173.2	165.8	159.7	156.6	156.0
25°	985.8	870.5	565.4	300.9	184.3	172.6	164.6	157.2	151.0	147.4	146.1
27.5°	1150.4	1027.8	675.1	335.4	176.9	164.6	157.2	150.4	143.7	139.3	138.1
30°	1310.1	1197.3	798.4	378.5	171.4	156.6	150.4	143.7	137.5	130.7	128.9
32.5°	1481.5	1370.5	936.5	426.6	167.1	151.0	144.3	138.1	130.1	123.9	120.8
35°	1646.8	1549.3	1088.8	473.5	162.8	146.1	138.7	132.6	123.9	117.1	112.8
37.5°	1813.2	1731.2	1247.9	501.9	156.6	139.3	132.6	127.6	117.8	109.7	104.8
40°	1989.5	1919.3	1419.9	490.1	151.0	131.9	128.2	122.7	111.6	102.3	96.2
42.5°	2183.1	2098.7	1595.0	445.1	146.1	125.8	122.1	116.5	106.0	94.9	86.9
45°	2426.7	2295.3	1738.6	377.3	148.6	119.6	112.2	111.0	101.1	86.9	77.1
47.5°	2845.3	2597.4	1850.2	333.5	165.2	112.8	104.2	107.3	96.8	78.9	67.8
50°	3485.9	3098.1	1954.4	330.5	190.5	109.7	96.8	104.8	92.5	70.9	59.8
52.5°	4096.2	3606.7	2021.0	357.6	212.7	117.8	89.4	101.7	89.4	65.4	54.3
55°	4680.1	3900.2	1902.0	377.3	233.7	141.8	83.8	96.8	85.7	62.3	52.4
57.5°	5309.6	4030.9	1497.6	417.4	248.5	162.1	85.1	89.4	80.8	60.4	51.8
60°	5497.6	3863.8	903.8	469.8	240.4	168.3	94.3	79.5	74.0	56.7	49.9
62.5°	5205.4	3467.4	533.3	427.9	233.7	159.1	107.9	73.4	67.2	51.8	46.2
65°	4768.2	2929.1	347.7	361.3	247.8	141.8	114.7	70.3	61.0	46.9	40.7
67.5°	4268.9	2359.5	243.5	213.3	228.7	127.6	96.8	69.7	54.9	39.5	33.3
70°	3595.6	1767.0	171.4	141.2	190.5	113.4	75.2	67.8	48.1	32.1	25.9
72.5°	2778.1	1106.1	127.6	91.2	135.6	92.5	59.8	57.3	38.8	26.5	19.7
75°	2048.7	630.7	90.0	66.0	89.4	70.3	44.4	40.7	33.3	25.3	17.9
77.5°	1069.7	315.7	56.1	50.6	51.2	43.8	32.1	29.6	30.8	25.3	16.6
80°	205.3	62.9	33.9	37.0	27.7	27.7	23.4	24.7	27.1	20.3	14.2
82.5°	85.7	13.6	18.5	21.0	17.3	19.1	19.1	19.7	19.1	14.8	10.5
85°	0.0	0.0	8.0	8.6	11.7	11.7	9.9	9.9	9.9	8.6	6.2
87.5°	0.0	0.0	0.0	0.0	0.6	1.8	3.7	4.3	4.9	3.7	2.5
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°	277.4	277.4	277.4	277.4	277.4	277.4	277.4	277.4	277.4	277.4	277.4
2.5°	257.7	256.5	258.3	259.6	260.8	260.8	259.6	258.3	256.5	258.3	256.5
5°	238.0	239.8	242.9	244.1	245.4	242.9	241.7	238.0	234.9	235.5	234.3
7.5°	222.6	224.4	228.1	230.6	230.6	229.3	225.6	222.0	217.0	217.0	216.4
10°	208.4	210.9	215.2	218.3	219.5	218.3	214.6	209.6	205.3	205.3	203.5
12.5°	196.7	199.8	204.7	209.0	210.2	209.0	205.3	200.4	195.4	195.4	194.2
15°	186.8	190.5	196.1	201.0	202.8	201.0	196.7	190.5	185.6	186.2	184.3
17.5°	177.6	180.6	188.0	193.6	195.4	193.6	188.0	180.0	175.1	176.3	175.1
20°	167.1	170.8	178.2	184.3	186.2	184.3	178.2	169.5	164.6	164.6	165.2
22.5°	156.0	159.7	167.1	171.4	173.9	172.0	165.8	157.8	152.9	152.9	153.5
25°	146.1	148.0	153.5	157.8	158.4	156.6	151.7	145.5	141.8	143.7	144.3
27.5°	136.9	136.9	139.3	141.8	141.2	139.3	137.5	132.6	131.9	133.8	135.6
30°	127.0	123.9	122.7	120.8	120.2	119.6	121.5	121.5	122.7	125.2	127.0
32.5°	118.4	112.2	106.7	101.1	98.0	100.5	105.4	109.7	114.1	117.8	119.6
35°	108.5	98.6	89.4	82.0	77.1	80.8	88.8	96.8	104.2	109.1	112.2
37.5°	98.6	84.5	73.4	64.1	60.4	63.5	72.1	83.2	94.3	100.5	104.8
40°	88.2	70.3	57.3	49.9	46.2	49.3	58.0	69.1	83.8	91.9	97.4
42.5°	77.7	58.0	46.2	38.8	37.0	38.8	45.6	56.7	72.8	82.6	90.0
45°	67.2	48.1	37.0	31.4	29.6	31.4	37.0	46.2	62.3	73.4	82.0
47.5°	58.0	40.7	30.8	25.9	24.7	26.5	30.8	38.8	52.4	63.5	73.4
50°	50.6	35.8	26.5	22.2	21.0	22.8	26.5	32.7	44.4	54.3	64.7
52.5°	45.6	33.3	23.4	19.1	18.5	19.7	22.8	27.7	37.6	46.2	56.1
55°	44.4	33.3	21.6	17.3	16.6	17.9	20.3	24.0	32.7	40.1	48.7
57.5°	45.6	35.8	20.3	14.8	14.2	15.4	17.9	21.0	28.4	34.5	42.5
60°	45.6	36.4	17.9	11.7	11.1	12.3	14.8	18.5	25.3	30.2	37.0
62.5°	41.3	33.3	14.8	9.2	8.0	9.2	12.3	15.4	22.2	27.1	32.7
65°	35.8	28.4	12.3	6.8	5.5	6.8	9.9	12.9	19.1	23.4	29.6
67.5°	29.0	21.6	9.2	4.9	3.7	4.9	7.4	10.5	16.0	20.3	26.5
70°	21.6	15.4	7.4	4.3	3.7	4.3	6.8	9.9	14.2	18.5	24.7
72.5°	16.0	10.5	6.2	4.3	3.1	4.3	6.2	9.2	13.6	17.9	23.4
75°	13.6	8.6	5.5	3.7	3.1	3.7	5.5	8.6	12.3	16.6	22.2
77.5°	12.9	8.0	4.9	3.1	2.5	3.1	4.9	7.4	11.1	15.4	21.6
80°	11.1	6.8	4.3	2.5	1.8	2.5	4.3	6.2	8.6	11.7	16.6
82.5°	8.6	5.5	3.1	1.2	0.6	1.2	3.1	3.7	5.5	6.8	9.9
85°	5.5	3.1	1.2	0.0	0.0	0.0	1.2	2.5	2.5	3.1	4.9
87.5°	2.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8
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: P632600
 CATALOG NUMBER: GWS-SA2D-722-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	277.4	277.4	277.4	277.4	277.4	277.4	277.4	277.4	277.4	277.4
2.5°	260.2	260.8	262.0	263.9	268.2	271.9	275.6	280.5	283.0	283.0
5°	235.5	236.1	236.7	239.2	245.4	250.3	258.3	268.2	273.1	274.4
7.5°	216.4	217.6	218.9	220.7	226.9	233.7	244.1	262.6	271.9	273.7
10°	205.3	207.2	209.6	213.3	218.9	226.3	244.1	277.4	292.9	295.9
12.5°	196.7	199.8	202.2	206.5	213.3	225.0	260.8	319.4	346.5	353.9
15°	188.0	191.7	195.4	199.8	207.2	229.3	292.9	394.6	439.6	445.1
17.5°	179.4	183.7	188.7	193.6	202.8	239.8	343.4	498.8	561.7	574.0
20°	169.5	175.1	181.9	188.0	198.5	256.5	413.7	622.7	701.6	728.1
22.5°	159.1	165.8	173.9	181.9	193.6	276.8	498.8	755.9	866.2	883.5
25°	150.4	157.2	164.6	172.6	185.6	301.5	601.7	921.1	1021.6	1038.2
27.5°	142.4	149.2	156.0	163.4	177.6	333.5	725.7	1096.8	1201.6	1218.9
30°	133.8	141.8	148.6	156.0	170.2	373.0	868.7	1291.6	1390.9	1406.9
32.5°	126.4	134.4	141.2	148.6	164.6	416.2	1019.1	1464.3	1545.0	1545.0
35°	120.2	128.9	133.8	143.7	160.3	443.9	1161.5	1628.9	1689.9	1687.4
37.5°	113.4	123.9	127.6	134.4	154.7	447.0	1295.3	1802.7	1847.7	1831.7
40°	106.7	117.8	123.3	127.0	148.6	421.7	1442.1	1962.4	2000.6	1979.7
42.5°	100.5	109.1	117.1	121.5	144.9	377.3	1559.8	2133.2	2178.8	2160.3
45°	94.3	101.7	106.7	114.7	147.4	346.5	1660.9	2332.3	2412.5	2398.9
47.5°	88.2	94.3	97.4	109.7	164.0	332.3	1722.6	2640.6	2791.6	2780.5
50°	81.4	88.8	88.8	108.5	188.7	337.2	1776.2	3087.0	3320.6	3316.9
52.5°	74.6	82.6	81.4	117.8	207.8	360.1	1837.3	3480.9	3887.2	3921.1
55°	67.8	75.2	76.4	136.3	218.9	379.8	1601.1	3646.8	4371.2	4490.2
57.5°	60.4	64.7	79.5	150.4	215.2	437.1	1096.8	3677.0	4680.1	4935.3
60°	52.4	56.1	90.0	147.4	203.5	403.8	690.5	3405.7	4636.3	4960.0
62.5°	45.6	51.8	94.9	130.1	207.2	350.2	440.2	2902.6	4218.9	4588.2
65°	40.1	49.9	86.3	117.8	209.6	237.4	297.2	2361.3	3811.4	4162.8
67.5°	35.8	55.5	70.9	104.8	180.0	167.1	204.1	1834.8	3204.7	3519.8
70°	32.7	56.7	58.0	90.0	139.3	107.3	134.4	1234.9	2209.0	2569.1
72.5°	29.6	41.9	43.8	72.1	90.0	65.4	86.9	706.5	1610.4	1855.8
75°	28.4	28.4	30.2	46.9	49.9	47.5	56.1	421.7	1154.8	1334.2
77.5°	26.5	21.6	19.1	30.2	27.1	33.9	33.3	187.4	500.6	541.3
80°	21.0	15.4	12.9	19.1	18.5	22.8	19.7	15.4	22.8	22.2
82.5°	12.9	9.9	9.2	11.7	10.5	11.7	9.2	2.5	2.5	2.5
85°	6.2	5.5	4.9	4.9	5.5	4.9	3.7	1.2	0.6	0.6
87.5°	3.1	3.1	2.5	1.8	2.5	2.5	1.8	0.6	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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