

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: P642500

Luminaire Tested: GWS-SA6D-722-U-SLR-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642500  
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-SA6D-722-U-SLR-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

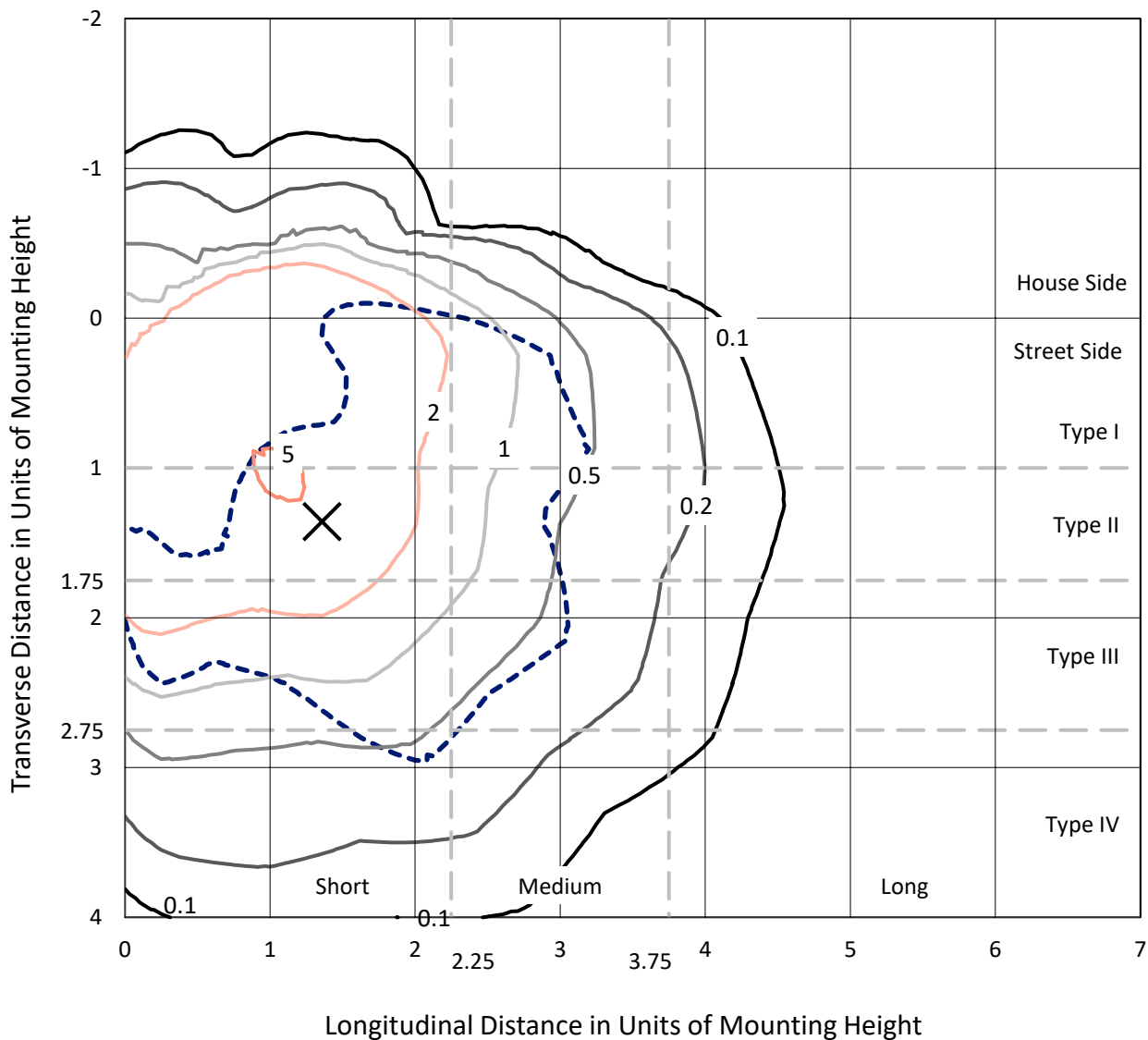
Lumens per Lamp: N/A  
Luminaire Lumens: 16375.1 lumens  
Efficiency: N/A  
Efficacy: 66.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

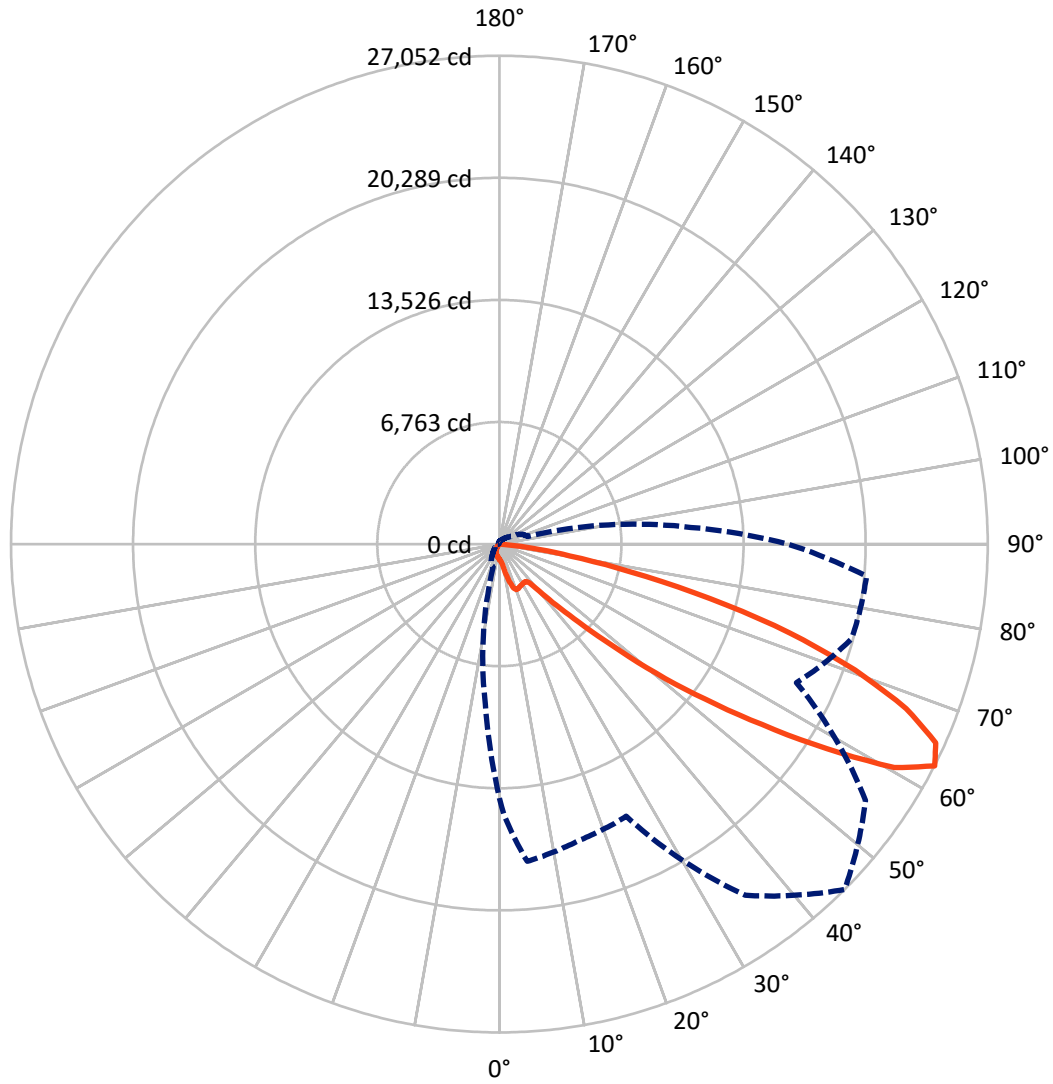
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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
<b>House Side</b>	Lumens	2020.7	0.0	2020.7
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	14354.4	0.0	14354.4
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	16375.1	0.0	16375.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.5	0.5
10°-20°	285.5	1.7
20°-30°	620.6	3.8
30°-40°	1018.6	6.2
40°-50°	1872.6	11.4
50°-60°	4021.5	24.6
60°-70°	5401.5	33.0
70°-80°	2812.6	17.2
80°-90°	266.7	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°	16375.1	100.0
0°-180°	16375.1	100.0

**Coefficient of Utilization**

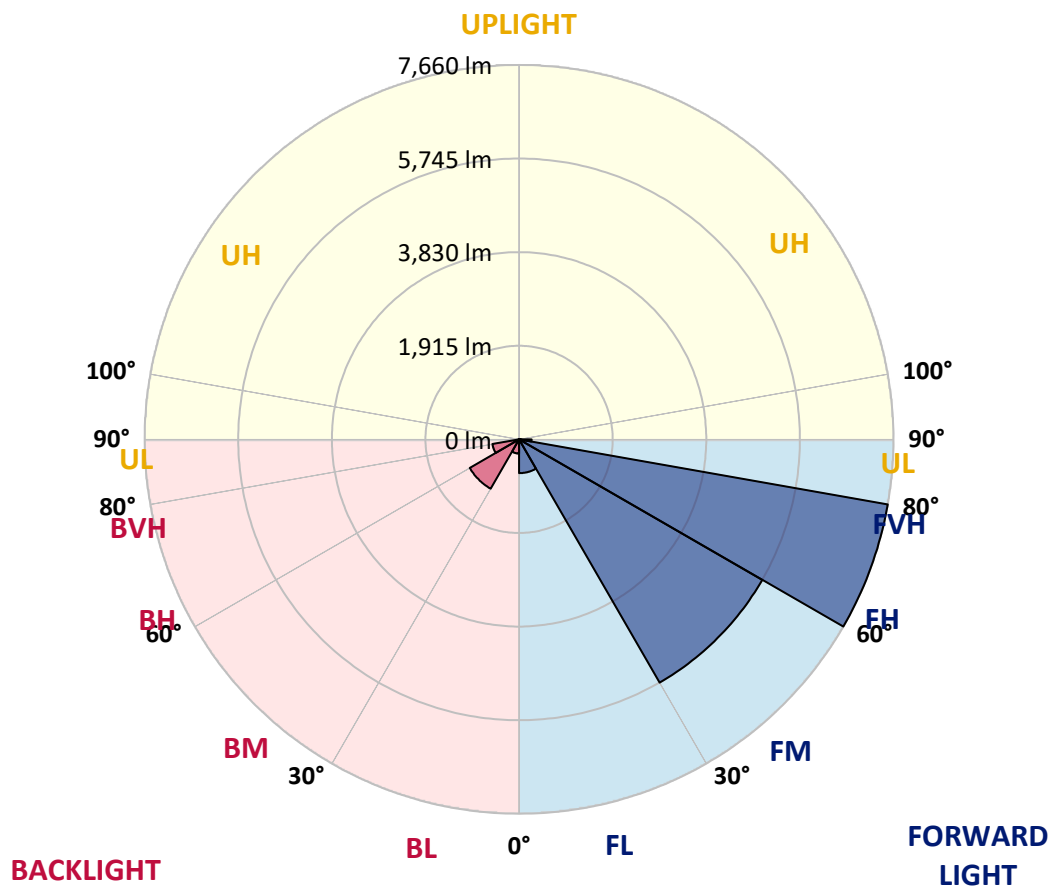


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	691.8	4.2			
FM (30°-60°)	5747.5	35.1			
FH (60°-80°)	7660.4	46.8			G4/12000
FVH (80°-90°)	254.8	1.6			G3/500
BL (0°-30°)	289.8	1.8	B1/500		
BM (30°-60°)	1165.3	7.1	B2/2500		
BH (60°-80°)	553.7	3.4	B2/1000		G2/1000
BVH (80°-90°)	11.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2
2.5°	868.2	872.0	875.8	889.0	898.4	906.0	907.9	902.2	889.0	875.8	856.8
5°	841.7	845.5	858.7	894.7	930.6	959.0	968.4	962.8	930.6	889.0	845.5
7.5°	839.8	847.4	879.5	955.2	1032.7	1091.4	1106.5	1093.3	1032.7	949.5	860.6
10°	907.9	921.1	968.4	1104.6	1246.5	1350.5	1392.1	1335.4	1238.9	1087.6	942.0
12.5°	1085.7	1108.4	1199.2	1397.8	1617.2	1755.3	1812.0	1742.0	1590.7	1371.3	1140.6
15°	1365.6	1399.7	1535.9	1832.8	2092.0	2214.9	2233.8	2194.1	2018.2	1776.1	1465.9
17.5°	1761.0	1810.1	2022.0	2324.6	2511.9	2555.4	2549.7	2508.1	2379.5	2213.0	1919.8
20°	2233.8	2292.5	2500.5	2750.2	2769.1	2718.0	2689.7	2665.1	2621.6	2593.2	2364.3
22.5°	2710.5	2782.4	2999.9	3062.3	2892.1	2744.5	2674.5	2693.5	2757.8	2897.7	2805.1
25°	3185.2	3253.3	3457.6	3289.3	2948.8	2702.9	2614.0	2659.4	2812.6	3115.3	3234.4
27.5°	3739.4	3790.5	3911.6	3444.4	2958.3	2668.9	2581.9	2651.8	2839.1	3251.4	3705.4
30°	4316.3	4346.6	4288.0	3486.0	2926.1	2617.8	2549.7	2651.8	2884.5	3342.2	4059.1
32.5°	4740.0	4745.7	4554.7	3489.8	2909.1	2576.2	2519.4	2640.5	2928.0	3417.9	4401.5
35°	5177.0	5148.6	4810.0	3546.5	2954.5	2591.3	2542.1	2672.7	2996.1	3506.8	4702.2
37.5°	5619.6	5568.5	5095.6	3639.2	3071.8	2755.9	2725.6	2837.2	3105.8	3629.7	5033.2
40°	6073.5	6003.5	5392.6	3779.2	3332.8	3315.8	3419.8	3406.5	3406.5	3786.7	5373.7
42.5°	6627.7	6546.4	5831.4	4174.5	3941.8	4322.0	4605.7	4429.8	4104.5	4148.0	5816.3
45°	7359.7	7289.7	6591.8	4931.1	4897.0	5770.9	6153.0	5804.9	4995.4	4982.1	6555.8
47.5°	8530.5	8517.3	7804.2	5808.7	6066.0	7615.1	8352.7	7683.2	6011.1	5865.5	7955.5
50°	10176.1	10136.4	9315.5	6837.7	7456.2	9900.0	11216.4	10100.5	7238.7	6896.3	9830.0
52.5°	12029.8	12071.4	11432.1	7961.2	8933.4	12442.1	14274.9	12869.6	8572.2	8207.1	12188.6
55°	13775.6	14013.9	13845.6	9275.8	10376.6	15249.0	17634.2	15907.3	10223.4	9922.7	14832.9
57.5°	15141.2	15812.7	16993.0	11186.2	12073.3	18532.6	21385.0	19200.3	12150.8	12708.8	18432.4
60°	15216.9	16105.9	18846.6	15182.8	14256.0	21349.0	25130.1	22417.7	15181.0	17439.4	21252.6
62.5°	14076.3	15029.6	17639.9	16998.7	16633.6	23745.5	27051.8	24763.2	18161.9	20210.4	20416.5
65°	12771.2	13734.0	16293.1	14938.8	16357.5	23643.4	26563.8	24818.0	18432.4	18326.5	18920.4
67.5°	10798.4	11662.8	13979.9	13223.3	15076.9	22502.8	24309.2	23253.8	16981.6	17140.5	17405.3
70°	7881.8	8714.0	10864.6	10902.4	13166.5	20446.8	20887.5	20741.9	15638.7	15807.0	15050.4
72.5°	5693.3	6395.1	8250.6	8941.0	10510.9	17146.2	16841.7	17403.4	13418.1	14078.2	12088.4
75°	4093.1	4619.0	6052.7	7777.7	8331.9	12733.4	12056.2	13478.6	10766.3	12122.4	9088.5
77.5°	1660.7	1846.1	2381.4	5239.4	5475.8	8566.5	7380.5	9790.3	7675.6	7965.0	4405.2
80°	68.1	75.7	98.4	2704.8	3754.6	4819.5	3949.4	5233.7	5069.1	3207.9	1040.3
82.5°	7.6	7.6	17.0	779.3	1643.7	2659.4	1861.2	3015.0	2566.7	1360.0	472.9
85°	1.9	1.9	3.8	88.9	385.9	425.6	251.6	924.9	1193.5	556.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	17.0	18.9	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°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2
2.5°	856.8	847.4	836.0	824.7	819.0	803.9	798.2	794.4	790.6	792.5	792.5
5°	828.5	807.7	783.1	758.5	745.2	730.1	722.5	718.8	720.7	728.2	728.2
7.5°	824.7	785.0	732.0	699.8	684.7	673.4	665.8	662.0	663.9	673.4	677.1
10°	887.1	817.1	722.5	667.7	650.7	639.3	631.8	626.1	622.3	629.9	631.8
12.5°	1021.4	924.9	767.9	663.9	633.6	618.5	612.8	601.5	595.8	599.6	601.5
15°	1299.4	1133.0	858.7	679.0	618.5	601.5	592.0	582.6	573.1	571.2	573.1
17.5°	1662.6	1424.3	996.8	715.0	607.2	586.4	573.1	559.9	546.6	544.7	542.9
20°	2112.8	1781.8	1189.7	771.7	597.7	573.1	554.2	535.3	518.3	512.6	512.6
22.5°	2523.2	2213.0	1437.5	841.7	584.5	554.2	531.5	508.8	489.9	480.4	478.5
25°	3024.5	2670.8	1734.5	923.0	565.6	529.6	505.0	482.3	463.4	452.1	448.3
27.5°	3529.5	3153.1	2071.2	1029.0	542.9	505.0	482.3	461.5	440.7	427.5	423.7
30°	4019.4	3673.2	2449.5	1161.4	525.8	480.4	461.5	440.7	421.8	401.0	395.3
32.5°	4545.2	4204.7	2873.1	1308.9	512.6	463.4	442.6	423.7	399.1	380.2	370.7
35°	5052.1	4753.3	3340.3	1452.7	499.3	448.3	425.6	406.7	380.2	359.4	346.1
37.5°	5562.8	5311.3	3828.3	1539.7	480.4	427.5	406.7	391.5	361.3	336.7	321.6
40°	6103.8	5888.2	4356.1	1503.7	463.4	404.8	393.4	376.4	342.4	314.0	295.1
42.5°	6697.7	6438.6	4893.2	1365.6	448.3	385.9	374.5	357.5	325.3	291.3	266.7
45°	7444.8	7042.0	5334.0	1157.6	455.8	366.9	344.2	340.5	310.2	266.7	236.4
47.5°	8729.1	7968.8	5676.3	1023.3	506.9	346.1	319.7	329.1	297.0	242.1	208.1
50°	10694.4	9504.6	5996.0	1013.8	584.5	336.7	297.0	321.6	283.7	217.5	183.5
52.5°	12566.9	11065.1	6200.2	1097.1	652.6	361.3	274.3	312.1	274.3	200.5	166.4
55°	14358.2	11965.5	5835.2	1157.6	716.9	435.0	257.2	297.0	262.9	191.0	160.8
57.5°	16289.4	12366.4	4594.4	1280.5	762.3	497.5	261.0	274.3	247.8	185.4	158.9
60°	16866.3	11853.9	2772.9	1441.3	737.7	516.4	289.4	244.0	227.0	174.0	153.2
62.5°	15969.7	10637.6	1636.1	1312.7	716.9	488.0	331.0	225.1	206.2	158.9	141.9
65°	14628.6	8986.4	1066.8	1108.4	760.4	435.0	351.8	215.6	187.3	143.8	124.8
67.5°	13096.6	7238.7	747.1	654.4	701.7	391.5	297.0	213.7	168.3	121.1	102.1
70°	11031.1	5421.0	525.8	433.1	584.5	348.0	230.8	208.1	147.5	98.4	79.4
72.5°	8523.0	3393.3	391.5	279.9	416.1	283.7	183.5	175.9	119.2	81.3	60.5
75°	6285.4	1935.0	276.2	202.4	274.3	215.6	136.2	124.8	102.1	77.6	54.9
77.5°	3281.7	968.4	172.1	155.1	157.0	134.3	98.4	90.8	94.6	77.6	51.1
80°	629.9	192.9	104.0	113.5	85.1	85.1	71.9	75.7	83.2	62.4	43.5
82.5°	262.9	41.6	56.7	64.3	53.0	58.6	58.6	60.5	58.6	45.4	32.2
85°	0.0	0.0	24.6	26.5	35.9	35.9	30.3	30.3	30.3	26.5	18.9
87.5°	0.0	0.0	0.0	0.0	1.9	5.7	11.3	13.2	15.1	11.3	7.6
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°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2
2.5°	790.6	786.9	792.5	796.3	800.1	800.1	796.3	792.5	786.9	792.5	786.9
5°	730.1	735.8	745.2	749.0	752.8	745.2	741.5	730.1	720.7	722.5	718.8
7.5°	682.8	688.5	699.8	707.4	707.4	703.6	692.3	680.9	665.8	665.8	663.9
10°	639.3	646.9	660.1	669.6	673.4	669.6	658.2	643.1	629.9	629.9	624.2
12.5°	603.4	612.8	628.0	641.2	645.0	641.2	629.9	614.7	599.6	599.6	595.8
15°	573.1	584.5	601.5	616.6	622.3	616.6	603.4	584.5	569.3	571.2	565.6
17.5°	544.7	554.2	576.9	593.9	599.6	593.9	576.9	552.3	537.2	541.0	537.2
20°	512.6	523.9	546.6	565.6	571.2	565.6	546.6	520.2	505.0	505.0	506.9
22.5°	478.5	489.9	512.6	525.8	533.4	527.7	508.8	484.2	469.1	469.1	471.0
25°	448.3	454.0	471.0	484.2	486.1	480.4	465.3	446.4	435.0	440.7	442.6
27.5°	419.9	419.9	427.5	435.0	433.1	427.5	421.8	406.7	404.8	410.4	416.1
30°	389.6	380.2	376.4	370.7	368.8	366.9	372.6	372.6	376.4	384.0	389.6
32.5°	363.2	344.2	327.2	310.2	300.7	308.3	323.4	336.7	349.9	361.3	366.9
35°	332.9	302.6	274.3	251.6	236.4	247.8	272.4	297.0	319.7	334.8	344.2
37.5°	302.6	259.1	225.1	196.7	185.4	194.8	221.3	255.3	289.4	308.3	321.6
40°	270.5	215.6	175.9	153.2	141.9	151.3	177.8	211.8	257.2	281.8	298.9
42.5°	238.3	177.8	141.9	119.2	113.5	119.2	140.0	174.0	223.2	253.5	276.2
45°	206.2	147.5	113.5	96.5	90.8	96.5	113.5	141.9	191.0	225.1	251.6
47.5°	177.8	124.8	94.6	79.4	75.7	81.3	94.6	119.2	160.8	194.8	225.1
50°	155.1	109.7	81.3	68.1	64.3	70.0	81.3	100.2	136.2	166.4	198.6
52.5°	140.0	102.1	71.9	58.6	56.7	60.5	70.0	85.1	115.4	141.9	172.1
55°	136.2	102.1	66.2	53.0	51.1	54.9	62.4	73.8	100.2	122.9	149.4
57.5°	140.0	109.7	62.4	45.4	43.5	47.3	54.9	64.3	87.0	105.9	130.5
60°	140.0	111.6	54.9	35.9	34.0	37.8	45.4	56.7	77.6	92.7	113.5
62.5°	126.7	102.1	45.4	28.4	24.6	28.4	37.8	47.3	68.1	83.2	100.2
65°	109.7	87.0	37.8	20.8	17.0	20.8	30.3	39.7	58.6	71.9	90.8
67.5°	88.9	66.2	28.4	15.1	11.3	15.1	22.7	32.2	49.2	62.4	81.3
70°	66.2	47.3	22.7	13.2	11.3	13.2	20.8	30.3	43.5	56.7	75.7
72.5°	49.2	32.2	18.9	13.2	9.5	13.2	18.9	28.4	41.6	54.9	71.9
75°	41.6	26.5	17.0	11.3	9.5	11.3	17.0	26.5	37.8	51.1	68.1
77.5°	39.7	24.6	15.1	9.5	7.6	9.5	15.1	22.7	34.0	47.3	66.2
80°	34.0	20.8	13.2	7.6	5.7	7.6	13.2	18.9	26.5	35.9	51.1
82.5°	26.5	17.0	9.5	3.8	1.9	3.8	9.5	11.3	17.0	20.8	30.3
85°	17.0	9.5	3.8	0.0	0.0	0.0	3.8	7.6	7.6	9.5	15.1
87.5°	7.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	5.7
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: P642500

CATALOG NUMBER: GWS-SA6D-722-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2
2.5°	798.2	800.1	803.9	809.6	822.8	834.1	845.5	860.6	868.2	868.2
5°	722.5	724.4	726.3	733.9	752.8	767.9	792.5	822.8	837.9	841.7
7.5°	663.9	667.7	671.5	677.1	696.1	716.9	749.0	805.8	834.1	839.8
10°	629.9	635.5	643.1	654.4	671.5	694.2	749.0	851.2	898.4	907.9
12.5°	603.4	612.8	620.4	633.6	654.4	690.4	800.1	979.8	1063.0	1085.7
15°	576.9	588.2	599.6	612.8	635.5	703.6	898.4	1210.5	1348.6	1365.6
17.5°	550.4	563.7	578.8	593.9	622.3	735.8	1053.5	1530.2	1723.1	1761.0
20°	520.2	537.2	558.0	576.9	609.1	786.9	1269.2	1910.4	2152.5	2233.8
22.5°	488.0	508.8	533.4	558.0	593.9	849.3	1530.2	2318.9	2657.5	2710.5
25°	461.5	482.3	505.0	529.6	569.3	924.9	1846.1	2825.9	3134.2	3185.2
27.5°	436.9	457.7	478.5	501.2	544.7	1023.3	2226.3	3364.9	3686.5	3739.4
30°	410.4	435.0	455.8	478.5	522.0	1144.3	2665.1	3962.6	4267.2	4316.3
32.5°	387.8	412.3	433.1	455.8	505.0	1276.7	3126.6	4492.2	4740.0	4740.0
35°	368.8	395.3	410.4	440.7	491.8	1361.9	3563.5	4997.3	5184.5	5177.0
37.5°	348.0	380.2	391.5	412.3	474.8	1371.3	3974.0	5530.7	5668.7	5619.6
40°	327.2	361.3	378.3	389.6	455.8	1293.8	4424.2	6020.6	6137.8	6073.5
42.5°	308.3	334.8	359.4	372.6	444.5	1157.6	4785.4	6544.5	6684.5	6627.7
45°	289.4	312.1	327.2	351.8	452.1	1063.0	5095.6	7155.4	7401.3	7359.7
47.5°	270.5	289.4	298.9	336.7	503.1	1019.5	5284.8	8101.2	8564.6	8530.5
50°	249.7	272.4	272.4	332.9	578.8	1034.6	5449.3	9470.6	10187.5	10176.1
52.5°	228.9	253.5	249.7	361.3	637.4	1104.6	5636.6	10679.3	11925.7	12029.8
55°	208.1	230.8	234.5	418.0	671.5	1165.1	4912.2	11188.1	13410.5	13775.6
57.5°	185.4	198.6	244.0	461.5	660.1	1341.1	3364.9	11280.7	14358.2	15141.2
60°	160.8	172.1	276.2	452.1	624.2	1238.9	2118.4	10448.5	14223.9	15216.9
62.5°	140.0	158.9	291.3	399.1	635.5	1074.4	1350.5	8905.1	12943.3	14076.3
65°	122.9	153.2	264.8	361.3	643.1	728.2	911.7	7244.3	11693.1	12771.2
67.5°	109.7	170.2	217.5	321.6	552.3	512.6	626.1	5629.0	9831.9	10798.4
70°	100.2	174.0	177.8	276.2	427.5	329.1	412.3	3788.6	6777.1	7881.8
72.5°	90.8	128.6	134.3	221.3	276.2	200.5	266.7	2167.6	4940.5	5693.3
75°	87.0	87.0	92.7	143.8	153.2	145.6	172.1	1293.8	3542.7	4093.1
77.5°	81.3	66.2	58.6	92.7	83.2	104.0	102.1	575.0	1535.9	1660.7
80°	64.3	47.3	39.7	58.6	56.7	70.0	60.5	47.3	70.0	68.1
82.5°	39.7	30.3	28.4	35.9	32.2	35.9	28.4	7.6	7.6	7.6
85°	18.9	17.0	15.1	15.1	17.0	15.1	11.3	3.8	1.9	1.9
87.5°	9.5	9.5	7.6	5.7	7.6	7.6	5.7	1.9	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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