

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: P643489

Luminaire Tested: GWS-SA6F-722-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGF-722-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28682.9 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G3

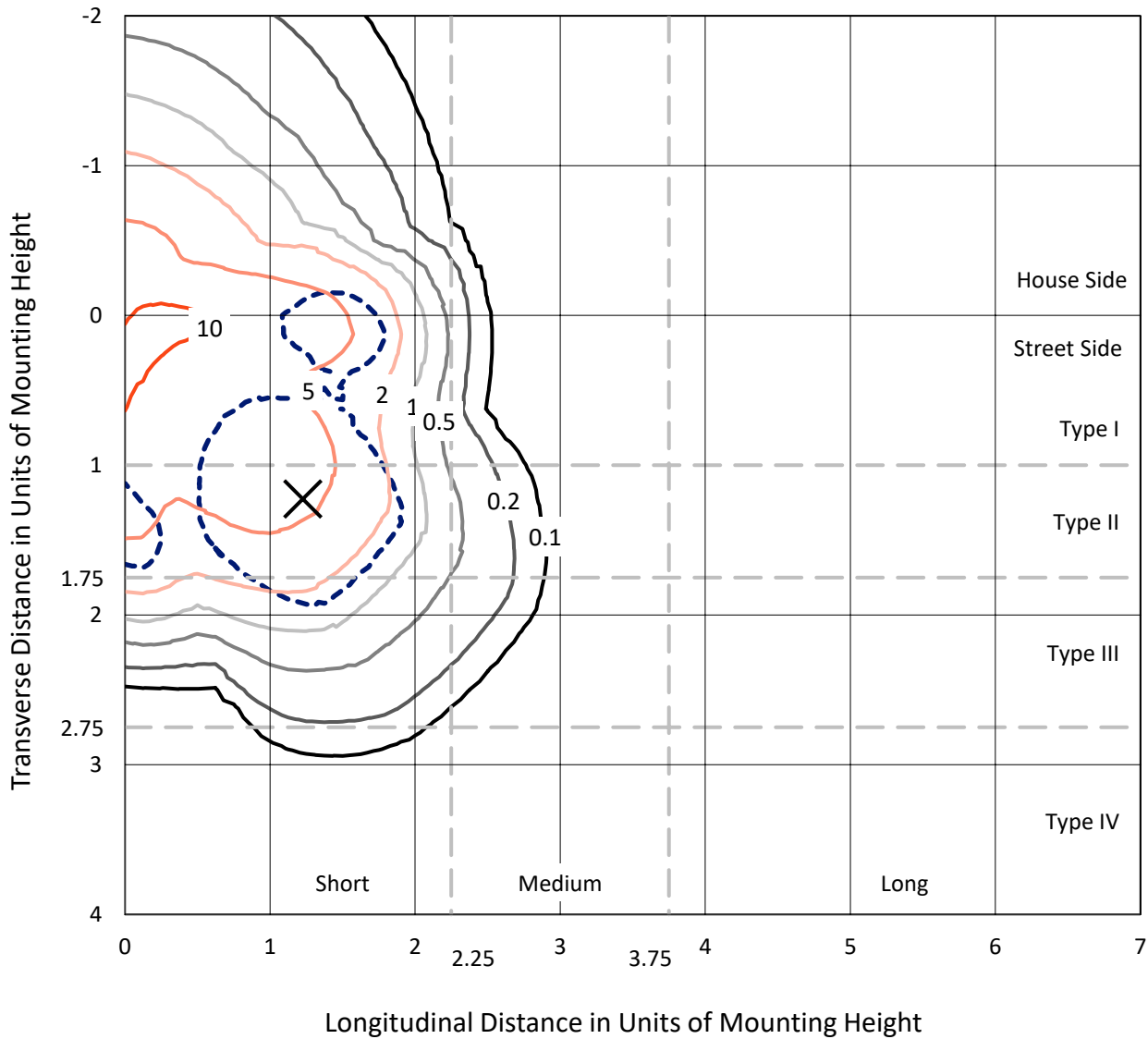
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643489
 CATALOG NUMBER: GWS-SA6F-722-U-SLR-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

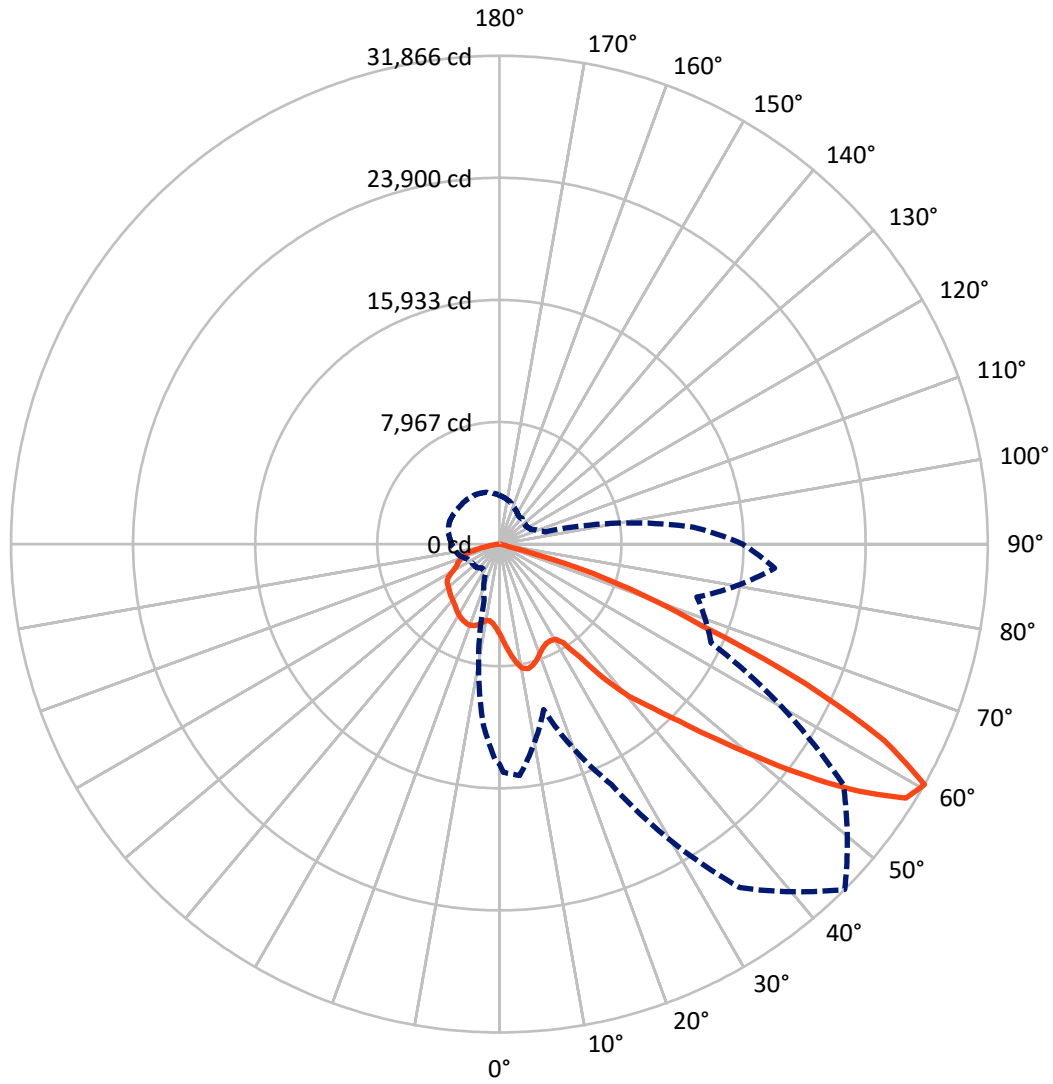
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
 Type III - Short - N/A

REPORT NUMBER: P643489
CATALOG NUMBER: GWS-SA6F-722-U-SLR-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P643489

CATALOG NUMBER: GWS-SA6F-722-U-SLR-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10054.4	0.0	10054.4
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	18628.5	0.0	18628.5
	% Fixture	64.9	0.0	64.9
Total	Lumens	28682.9	0.0	28682.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	574.9	2.0
10°-20°	1816.7	6.3
20°-30°	2951.0	10.3
30°-40°	4161.7	14.5
40°-50°	5751.4	20.1
50°-60°	7403.7	25.8
60°-70°	4691.1	16.4
70°-80°	1203.7	4.2
80°-90°	128.7	0.4
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°	28682.9	100.0
0°-180°	28682.9	100.0

Coefficient of Utilization



REPORT NUMBER: P643489

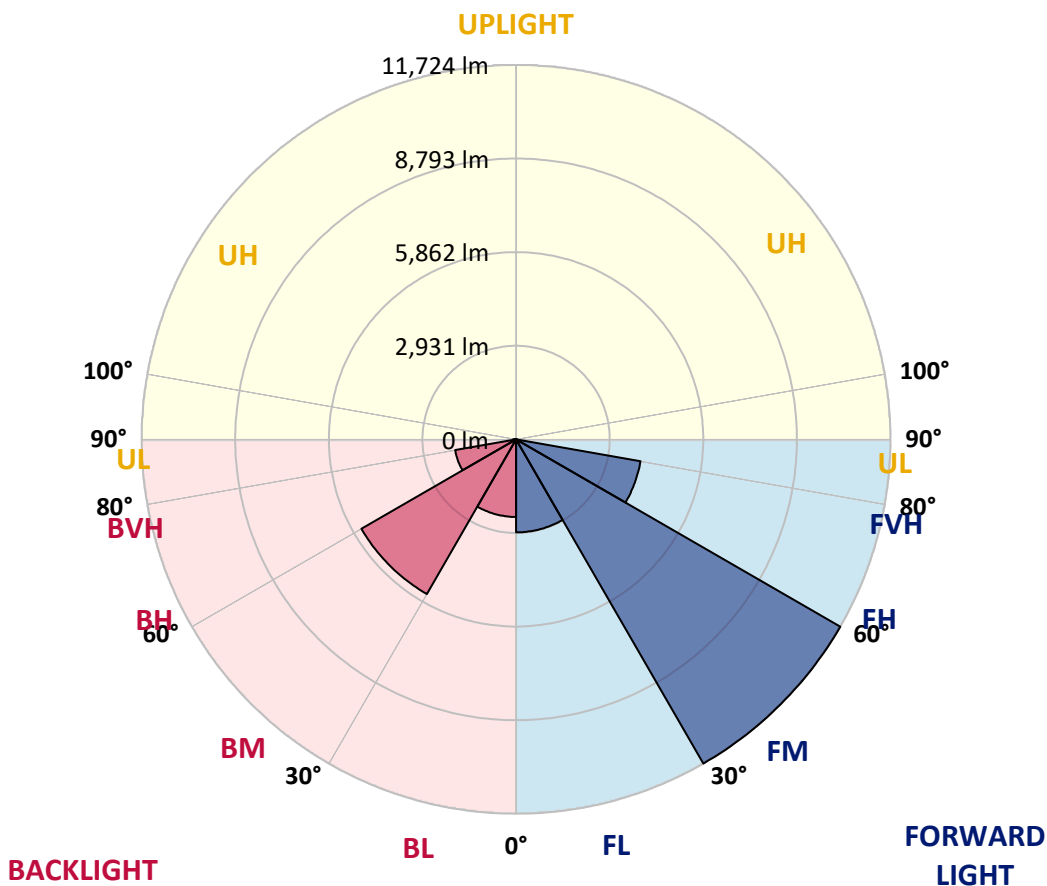
CATALOG NUMBER: GWS-SA6F-722-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2912.4	10.2			
FM (30°-60°)	11723.9	40.9			
FH (60°-80°)	3957.2	13.8			G2/5000
FVH (80°-90°)	35.0	0.1			G1/100
BL (0°-30°)	2430.1	8.5	B3/2500		
BM (30°-60°)	5592.9	19.5	B4/8500		
BH (60°-80°)	1937.6	6.8	B3/2500		G3/2500
BVH (80°-90°)	93.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type III Short





REPORT NUMBER: P643489

CATALOG NUMBER: GWS-SA6F-722-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3
2.5°	6163.0	6205.1	6231.3	6281.3	6370.6	6420.6	6475.8	6415.3	6431.1	6423.2	6326.0
5°	6528.3	6578.3	6646.6	6793.8	6959.3	7051.3	7138.1	7124.9	7043.4	6906.8	6809.5
7.5°	6870.0	6927.8	7046.1	7285.2	7529.6	7671.6	7776.7	7708.4	7640.0	7424.5	7180.1
10°	7138.1	7172.2	7332.5	7653.2	7937.0	8097.3	8226.1	8210.3	8115.7	7873.9	7545.4
12.5°	7390.4	7414.0	7587.5	7908.1	8163.0	8234.0	8339.1	8373.3	8341.7	8160.4	7837.1
15°	7661.1	7705.7	7866.0	8110.5	8226.1	8152.5	8189.3	8283.9	8373.3	8373.3	8076.3
17.5°	7913.4	7952.8	8115.7	8220.8	8110.5	7916.0	7926.5	8047.4	8260.3	8483.7	8294.4
20°	8136.7	8173.5	8333.9	8234.0	7884.4	7600.6	7592.7	7739.9	8084.2	8554.6	8528.3
22.5°	8381.2	8433.7	8567.8	8244.5	7674.2	7314.1	7311.5	7463.9	7929.1	8625.6	8796.4
25°	8728.1	8809.6	8877.9	8336.5	7561.2	7127.5	7161.7	7306.3	7879.2	8741.2	9193.3
27.5°	9243.2	9308.9	9303.6	8528.3	7555.9	7051.3	7122.3	7290.5	7968.5	8946.2	9611.1
30°	9800.4	9834.5	9779.3	8796.4	7676.8	7098.6	7203.8	7403.5	8194.6	9285.2	10226.1
32.5°	10418.0	10460.0	10354.9	9198.5	7958.0	7448.2	7679.4	7776.7	8512.6	9774.1	10877.9
35°	11127.6	11209.1	10990.9	9729.4	8785.9	8722.8	9059.2	8933.1	9188.0	10352.3	11574.4
37.5°	11874.0	11876.6	11563.9	10515.2	10410.1	10517.8	11190.7	10796.4	10620.3	10996.2	12284.0
40°	12507.4	12491.6	12010.6	11574.4	11824.0	12252.4	13064.5	12460.1	11997.5	11860.8	12872.7
42.5°	13140.7	13082.9	12596.7	12247.2	12799.1	13679.5	14596.7	13855.6	12880.6	12646.6	13453.5
45°	13950.2	13931.8	13345.7	12515.2	13679.5	15277.4	16494.3	15293.2	13403.6	13103.9	14420.6
47.5°	15256.4	15167.0	14076.4	12494.2	14504.8	17406.2	18943.7	17104.0	13768.9	13114.5	15981.8
50°	16533.7	16423.3	14948.9	12491.6	15356.3	19613.9	21834.7	19303.7	14142.1	13177.5	17569.2
52.5°	17824.1	17824.1	16381.2	12788.6	16249.8	22079.1	25175.0	22044.9	14778.1	14002.8	19521.9
55°	18591.5	18796.5	17992.3	13290.5	17295.8	24980.5	28478.6	25004.2	15761.0	15492.9	21324.8
57.5°	17616.5	18000.2	17884.5	12941.0	17913.5	27112.0	31280.2	27248.6	16247.2	15669.0	21054.1
60°	14354.9	14888.5	15153.9	11174.9	17303.7	27359.0	31866.3	27395.8	15243.3	13343.1	18034.4
62.5°	9542.8	9981.7	10386.4	7984.3	14980.4	24612.6	28184.3	24620.5	12730.8	9958.1	12494.2
65°	4680.7	5006.6	5442.9	4720.2	11703.1	20565.3	21973.9	19895.1	9209.0	5574.3	6373.3
67.5°	1224.7	1316.7	1377.1	1831.8	8383.8	14775.4	14331.3	14552.1	5916.0	1821.3	1666.2
70°	636.0	641.3	638.6	756.9	5666.3	9390.4	9876.6	9138.1	4128.8	762.2	657.0
72.5°	454.7	457.3	449.4	509.9	2735.9	5379.8	5574.3	5513.9	2163.0	452.0	449.4
75°	297.0	299.6	294.4	299.6	412.6	612.4	565.1	594.0	360.1	286.5	286.5
77.5°	176.1	178.7	176.1	181.3	176.1	176.1	162.9	162.9	155.1	155.1	157.7
80°	118.3	118.3	115.6	120.9	110.4	110.4	105.1	102.5	94.6	92.0	92.0
82.5°	71.0	73.6	71.0	71.0	65.7	65.7	60.4	57.8	49.9	49.9	47.3
85°	36.8	36.8	34.2	34.2	28.9	26.3	21.0	21.0	15.8	13.1	13.1
87.5°	5.3	5.3	2.6	2.6	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: P643489

CATALOG NUMBER: GWS-SA6F-722-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3
2.5°	6299.7	6247.1	6168.3	6092.0	6021.1	5947.5	5863.4	5776.7	5703.1	5626.9	5587.4
5°	6680.8	6573.0	6368.0	6186.7	6023.7	5889.7	5745.1	5621.6	5506.0	5411.4	5364.1
7.5°	7025.0	6856.8	6546.7	6260.2	6039.5	5855.5	5655.8	5471.8	5316.7	5201.1	5156.4
10°	7343.0	7143.3	6735.9	6373.3	6115.7	5910.7	5666.3	5416.6	5211.6	5059.2	5022.4
12.5°	7600.6	7372.0	6885.7	6465.2	6160.4	5939.6	5724.1	5508.6	5306.2	5109.1	5077.6
15°	7829.3	7558.6	6998.8	6523.1	6144.6	5863.4	5682.1	5655.8	5655.8	5432.4	5369.3
17.5°	8026.4	7729.4	7090.7	6549.3	6044.7	5637.4	5527.0	5755.6	6013.2	5852.9	5711.0
20°	8252.4	7892.3	7167.0	6549.3	5860.8	5350.9	5340.4	5729.4	6110.4	6113.1	5963.3
22.5°	8481.0	8081.6	7256.3	6525.7	5608.5	5019.8	5214.2	5624.2	5963.3	6107.8	6005.3
25°	8851.6	8344.4	7398.2	6507.3	5314.1	4793.7	5101.2	5484.9	5771.4	5923.8	5858.1
27.5°	9322.0	8691.3	7613.7	6536.2	5022.4	4659.7	4980.3	5303.6	5563.8	5697.8	5650.5
30°	9847.7	9090.8	7845.0	6586.1	4812.1	4591.4	4835.8	5096.0	5327.3	5461.3	5440.3
32.5°	10517.8	9524.4	8044.8	6517.8	4693.9	4557.2	4683.4	4870.0	5093.4	5177.5	5195.8
35°	11319.4	10002.7	8197.2	6249.7	4586.1	4520.4	4517.8	4633.4	4791.1	4925.1	4938.3
37.5°	12057.9	10562.5	8365.4	5789.8	4391.6	4428.4	4323.3	4391.6	4546.7	4680.7	4733.3
40°	12788.6	11130.2	8599.3	5203.7	4136.7	4223.4	4099.9	4147.2	4270.7	4446.8	4530.9
42.5°	13498.2	11642.7	8846.3	4604.5	3881.8	3937.0	3845.0	3892.3	4021.1	4241.8	4336.4
45°	14270.8	12336.5	9038.2	4039.5	3661.0	3637.4	3563.8	3632.1	3826.6	4068.4	4181.4
47.5°	15732.1	13429.8	9164.4	3663.6	3542.7	3371.9	3287.8	3435.0	3655.8	3900.2	4036.8
50°	17516.6	15012.0	9127.6	3424.5	3440.2	3098.6	3069.7	3264.2	3500.7	3755.6	3905.4
52.5°	18930.6	16565.2	8709.7	3195.8	3240.5	2925.1	2841.0	3124.9	3350.9	3611.1	3766.1
55°	20010.7	17088.2	7427.1	2925.1	2914.6	2799.0	2622.9	2980.3	3201.1	3442.9	3611.1
57.5°	19130.3	15924.0	5506.0	2551.9	2488.9	2549.3	2378.5	2735.9	3017.1	3256.3	3406.1
60°	15876.6	12696.6	3067.0	2260.2	2081.5	2228.7	2202.4	2478.3	2817.4	3069.7	3198.5
62.5°	10778.0	8454.8	1818.7	1787.1	1687.3	1897.5	2036.8	2218.2	2551.9	2756.9	2877.8
65°	5371.9	4107.8	1208.9	1337.7	1350.9	1561.1	1823.9	2023.7	2302.3	2512.5	2633.4
67.5°	1558.5	1277.3	919.9	1022.3	1164.3	1332.5	1542.7	1779.3	2050.0	2299.6	2441.5
70°	672.8	680.7	730.6	851.5	990.8	1164.3	1374.5	1605.8	1834.4	2026.3	2134.1
72.5°	475.7	494.1	549.3	672.8	804.2	969.8	1180.0	1403.4	1569.0	1763.5	1876.5
75°	304.9	318.0	362.7	457.3	554.5	714.9	914.6	1119.6	1290.4	1429.7	1537.5
77.5°	168.2	170.8	207.6	262.8	328.5	431.0	578.2	738.5	864.7	943.5	1040.7
80°	97.2	97.2	115.6	149.8	189.2	252.3	333.8	412.6	488.8	538.8	586.1
82.5°	52.6	52.6	60.4	81.5	102.5	139.3	186.6	226.0	273.3	299.6	331.1
85°	15.8	15.8	21.0	28.9	36.8	52.6	73.6	94.6	115.6	134.0	152.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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: P643489

CATALOG NUMBER: GWS-SA6F-722-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3
2.5°	5579.6	5542.8	5521.7	5495.5	5503.3	5479.7	5466.5	5474.4	5427.1	5474.4	5521.7
5°	5345.7	5293.1	5251.0	5216.9	5201.1	5169.6	5151.2	5151.2	5122.3	5169.6	5227.4
7.5°	5140.7	5098.6	5077.6	5056.6	5032.9	5004.0	4972.5	4961.9	4943.5	4993.5	5043.4
10°	5004.0	5009.3	5022.4	5051.3	5046.0	5027.6	4980.3	4954.1	4954.1	5011.9	5088.1
12.5°	5067.1	5122.3	5153.8	5206.4	5216.9	5201.1	5153.8	5132.8	5185.3	5272.1	5398.2
15°	5311.5	5348.3	5374.6	5416.6	5414.0	5400.8	5364.1	5379.8	5553.3	5721.5	5834.5
17.5°	5576.9	5534.9	5529.6	5555.9	5563.8	5548.0	5527.0	5598.0	5884.4	6042.1	6099.9
20°	5768.8	5624.2	5592.7	5603.2	5624.2	5616.4	5616.4	5732.0	6029.0	6102.6	6029.0
22.5°	5826.6	5621.6	5574.3	5576.9	5605.8	5608.5	5621.6	5742.5	5916.0	5918.6	5805.6
25°	5734.6	5537.5	5503.3	5508.6	5542.8	5540.1	5545.4	5613.7	5689.9	5658.4	5574.3
27.5°	5561.2	5390.3	5379.8	5408.7	5453.4	5429.8	5414.0	5432.4	5469.2	5429.8	5356.2
30°	5364.1	5219.5	5224.8	5279.9	5327.3	5287.8	5248.4	5258.9	5261.6	5219.5	5135.4
32.5°	5156.4	5048.7	5067.1	5124.9	5180.1	5138.0	5096.0	5090.7	5040.8	4990.9	4909.4
35°	4948.8	4906.8	4930.4	4977.7	5025.0	4990.9	4964.6	4948.8	4841.0	4767.5	4699.1
37.5°	4759.6	4791.1	4833.2	4862.1	4877.8	4875.2	4859.4	4822.7	4680.7	4594.0	4504.6
40°	4591.4	4688.6	4733.3	4746.4	4770.1	4764.8	4762.2	4709.6	4523.0	4431.1	4328.6
42.5°	4438.9	4575.6	4651.8	4665.0	4678.1	4680.7	4672.8	4596.6	4383.8	4276.0	4178.8
45°	4291.8	4470.5	4567.7	4554.6	4573.0	4573.0	4580.9	4481.0	4247.1	4136.7	4034.2
47.5°	4163.0	4373.2	4462.6	4446.8	4457.3	4465.2	4473.1	4357.5	4097.3	3992.2	3887.0
50°	4044.7	4268.1	4344.3	4349.6	4349.6	4368.0	4365.4	4252.3	3971.1	3858.1	3753.0
52.5°	3918.6	4160.4	4241.8	4276.0	4286.5	4294.4	4257.6	4126.2	3842.4	3705.7	3608.4
55°	3771.4	4050.0	4123.6	4168.2	4189.3	4184.0	4134.1	4000.0	3710.9	3574.3	3463.9
57.5°	3548.0	3813.4	3918.6	3939.6	3973.8	3952.7	3894.9	3781.9	3500.7	3364.0	3251.0
60°	3303.6	3495.4	3579.5	3597.9	3571.7	3579.5	3571.7	3463.9	3219.5	3111.7	2996.1
62.5°	2982.9	3153.8	3243.1	3266.8	3222.1	3251.0	3240.5	3106.5	2862.1	2749.0	2646.5
65°	2741.2	2927.8	3032.9	3046.0	3032.9	3046.0	3009.2	2846.3	2615.0	2499.4	2394.2
67.5°	2551.9	2743.8	2854.2	2891.0	2877.8	2875.2	2817.4	2628.1	2389.0	2262.8	2128.8
70°	2226.0	2394.2	2536.2	2625.5	2625.5	2575.6	2465.2	2289.1	2097.3	1989.5	1884.4
72.5°	1971.1	2184.0	2323.3	2415.3	2433.7	2404.8	2249.7	2063.1	1842.3	1734.6	1624.2
75°	1624.2	1831.8	1981.6	2102.5	2126.2	2094.6	1915.9	1731.9	1527.0	1421.8	1311.4
77.5°	1085.4	1208.9	1329.8	1440.2	1416.6	1437.6	1316.7	1177.4	1051.3	972.4	922.5
80°	612.4	693.8	730.6	791.1	791.1	791.1	712.2	646.5	575.6	530.9	481.0
82.5°	346.9	399.5	415.2	465.2	478.3	481.0	428.4	386.3	341.7	318.0	283.8
85°	160.3	189.2	191.9	220.8	231.3	252.3	228.6	199.7	173.5	162.9	141.9
87.5°	5.3	15.8	21.0	39.4	52.6	60.4	65.7	65.7	55.2	49.9	42.1
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: P643489

CATALOG NUMBER: GWS-SA6F-722-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3	5892.3
2.5°	5579.6	5642.6	5716.2	5768.8	5863.4	5942.2	6023.7	6113.1	6178.8	6163.0
5°	5298.3	5403.5	5537.5	5661.0	5837.1	6015.8	6212.9	6415.3	6533.6	6528.3
7.5°	5140.7	5290.5	5453.4	5619.0	5826.6	6084.2	6386.4	6701.8	6862.1	6870.0
10°	5224.8	5385.1	5495.5	5634.7	5852.9	6176.1	6538.8	6917.3	7101.3	7138.1
12.5°	5490.2	5477.1	5469.2	5569.0	5831.9	6241.9	6686.0	7138.1	7345.7	7390.4
15°	5742.5	5471.8	5308.9	5377.2	5737.2	6283.9	6830.6	7379.8	7613.7	7661.1
17.5°	5789.8	5379.8	5077.6	5124.9	5587.4	6297.0	6969.8	7616.4	7868.7	7913.4
20°	5658.4	5261.6	4909.4	4843.7	5398.2	6262.9	7056.6	7813.5	8089.4	8136.7
22.5°	5492.8	5156.4	4783.2	4612.4	5166.9	6228.7	7153.8	8021.1	8339.1	8381.2
25°	5319.4	5022.4	4665.0	4404.8	4904.1	6207.7	7316.8	8294.4	8678.1	8728.1
27.5°	5135.4	4859.4	4562.5	4304.9	4662.3	6234.0	7548.0	8736.0	9172.2	9243.2
30°	4938.3	4696.5	4496.8	4270.7	4496.8	6257.6	7803.0	9188.0	9700.5	9800.4
32.5°	4733.3	4546.7	4428.4	4286.5	4394.3	6202.4	8026.4	9695.2	10331.3	10418.0
35°	4528.3	4394.3	4341.7	4315.4	4257.6	6000.1	8207.7	10207.7	11051.4	11127.6
37.5°	4336.4	4236.6	4220.8	4249.7	4047.3	5668.9	8418.0	10859.5	11758.3	11874.0
40°	4157.7	4065.7	4063.1	4057.9	3816.1	5216.9	8701.8	11521.8	12454.8	12507.4
42.5°	3992.2	3876.5	3897.5	3834.5	3626.8	4728.0	8969.9	12086.9	13103.9	13140.7
45°	3845.0	3692.5	3716.2	3637.4	3537.5	4215.5	9206.4	12754.4	13926.6	13950.2
47.5°	3703.1	3540.1	3474.4	3469.2	3521.7	3742.5	9437.7	14039.6	15214.4	15256.4
50°	3571.7	3395.6	3209.0	3324.6	3424.5	3387.7	9726.8	15416.7	16544.2	16533.7
52.5°	3445.5	3214.2	2948.8	3172.2	3172.2	3124.9	9645.3	16252.5	17642.8	17824.1
55°	3301.0	2922.5	2678.1	2917.2	2801.6	2888.3	8202.5	16525.8	18334.0	18591.5
57.5°	3014.5	2562.4	2349.6	2478.3	2304.9	2678.1	5892.3	15169.7	17159.2	17616.5
60°	2738.5	2297.0	2157.7	2134.1	1908.0	2184.0	3818.7	11876.6	14123.7	14354.9
62.5°	2415.3	2068.4	1950.1	1768.7	1534.8	1590.0	2312.8	7816.1	9490.2	9542.8
65°	2170.9	1873.9	1647.8	1432.3	1256.3	1153.8	1366.6	3768.8	4743.8	4680.7
67.5°	1863.4	1605.8	1390.3	1235.2	1090.7	961.9	909.3	1119.6	1266.8	1224.7
70°	1658.4	1411.3	1203.7	1056.5	922.5	793.7	701.7	659.7	646.5	636.0
72.5°	1429.7	1214.2	998.7	856.8	730.6	612.4	528.3	478.3	465.2	454.7
75°	1140.6	938.2	741.1	607.1	496.7	412.6	357.4	315.4	307.5	297.0
77.5°	754.3	601.8	441.5	360.1	294.4	249.7	212.9	186.6	181.3	176.1
80°	415.2	346.9	270.7	218.1	176.1	152.4	139.3	123.5	120.9	118.3
82.5°	247.0	207.6	155.1	123.5	102.5	92.0	84.1	76.2	73.6	71.0
85°	123.5	97.2	68.3	57.8	52.6	47.3	47.3	39.4	36.8	36.8
87.5°	31.5	26.3	15.8	13.1	13.1	13.1	10.5	7.9	7.9	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)