

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: P642990

Luminaire Tested: GWS-SA6E-722-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642990
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-722-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT 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: 25665.8 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

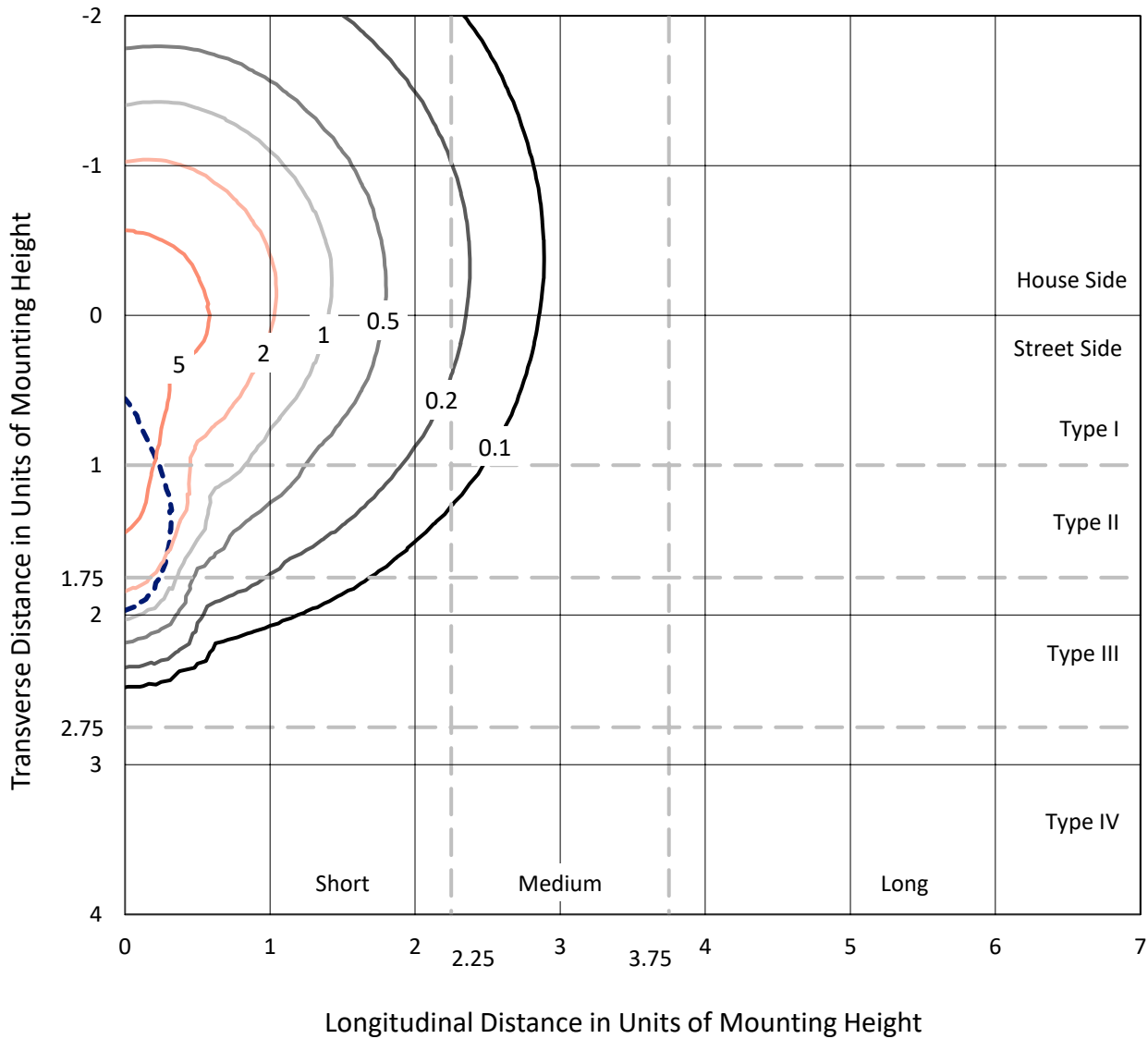
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642990
 CATALOG NUMBER: GWS-SA6E-722-U-SLL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

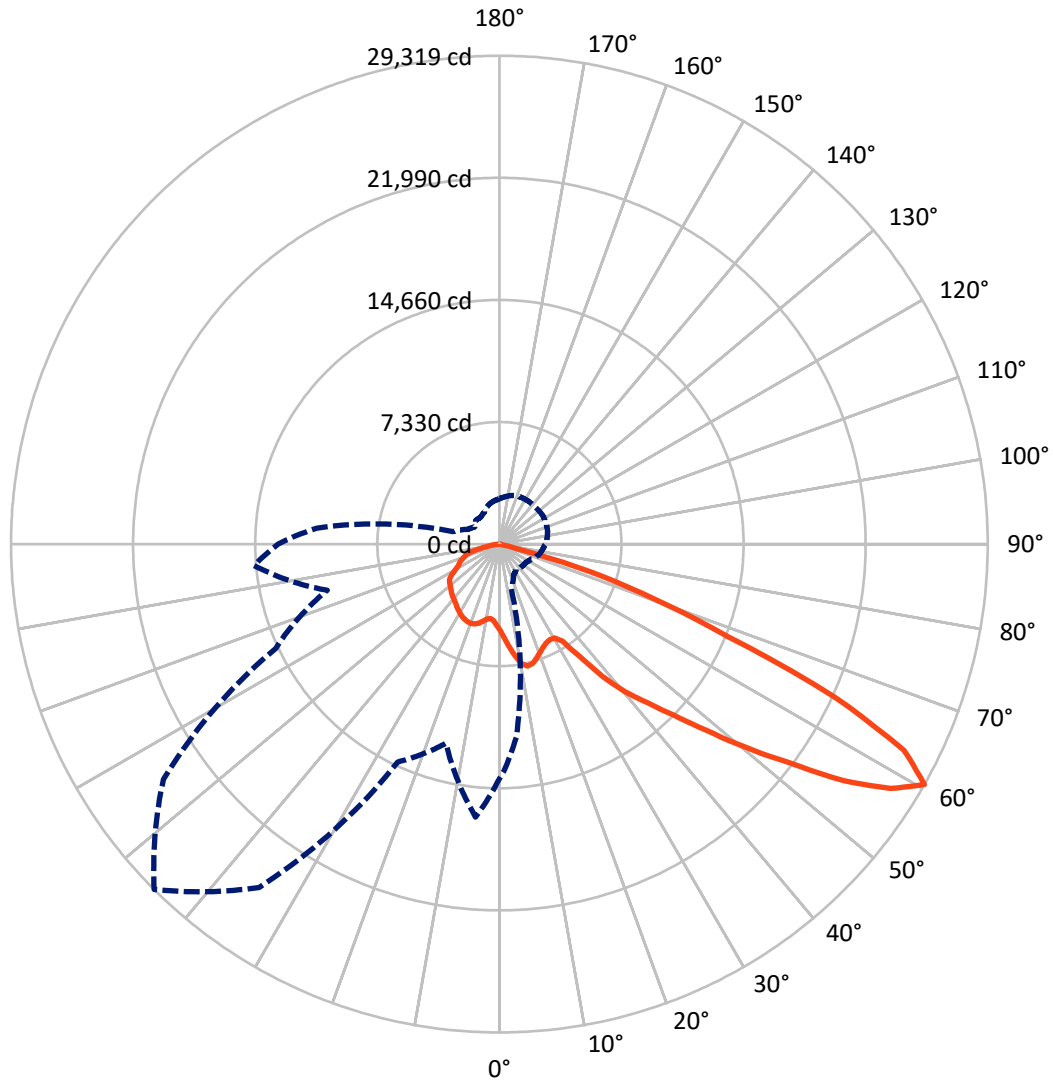
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type III - Short - N/A

REPORT NUMBER: P642990
CATALOG NUMBER: GWS-SA6E-722-U-SLL-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical



REPORT NUMBER: P642990
 CATALOG NUMBER: GWS-SA6E-722-U-SLL-W-GRSWH

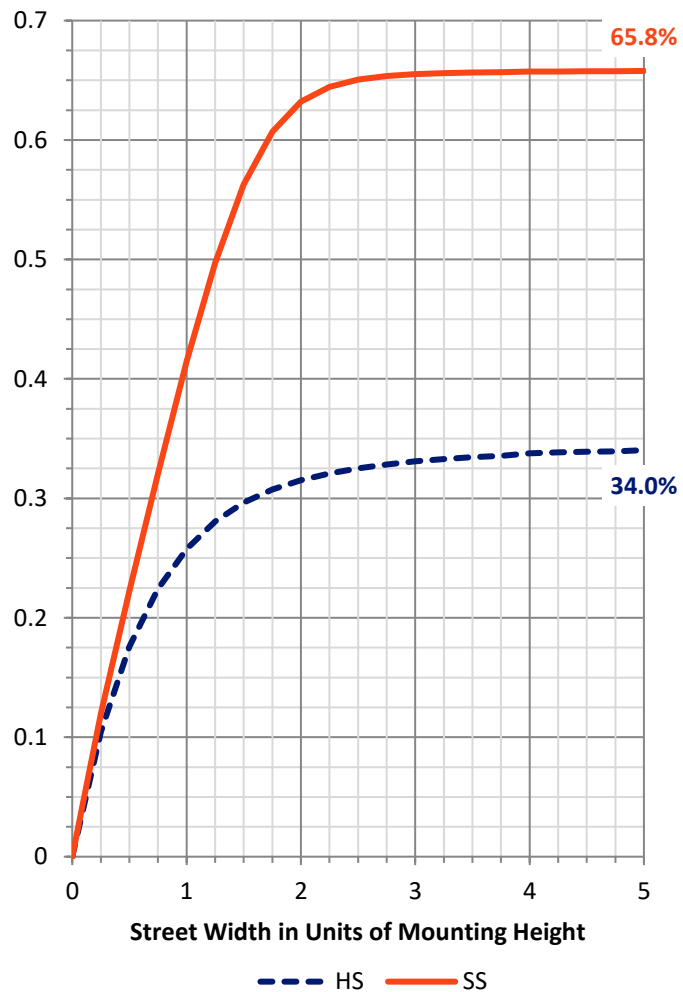
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8780.0	0.0	8780.0
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	16885.8	0.0	16885.8
	% Fixture	65.8	0.0	65.8
Total	Lumens	25665.8	0.0	25665.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.8	2.0
10°-20°	1622.2	6.3
20°-30°	2641.9	10.3
30°-40°	3711.3	14.5
40°-50°	5078.4	19.8
50°-60°	6515.4	25.4
60°-70°	4387.2	17.1
70°-80°	1096.8	4.3
80°-90°	106.9	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°	25665.8	100.0
0°-180°	25665.8	100.0

Coefficient of Utilization



REPORT NUMBER: P642990

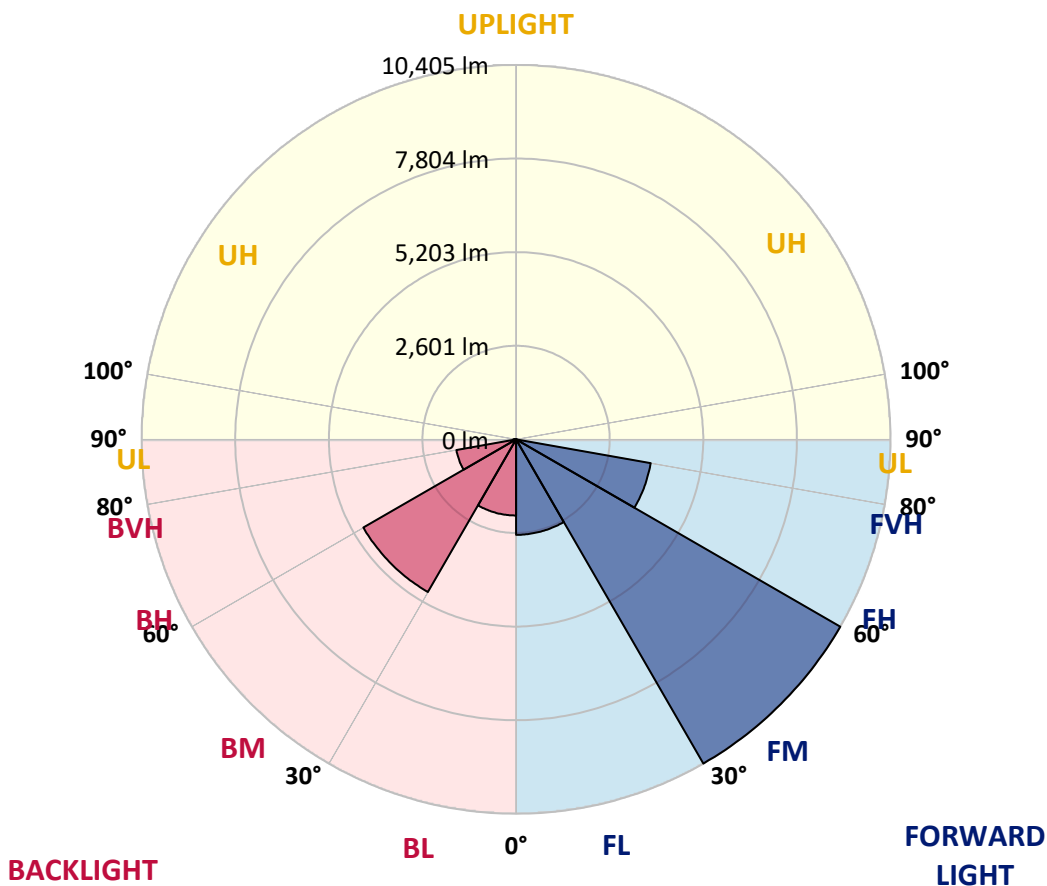
CATALOG NUMBER: GWS-SA6E-722-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2653.2	10.3			
FM (30°-60°)	10405.1	40.5			
FH (60°-80°)	3799.6	14.8			G2/5000
FVH (80°-90°)	27.8	0.1			G1/100
BL (0°-30°)	2116.5	8.2	B3/2500		
BM (30°-60°)	4900.0	19.1	B3/5000		
BH (60°-80°)	1684.4	6.6	B3/2500		G3/2500
BVH (80°-90°)	79.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





REPORT NUMBER: P642990

CATALOG NUMBER: GWS-SA6E-722-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5
2.5°	5476.7	5464.9	5453.1	5360.9	5337.3	5271.1	5223.8	5164.7	5079.6	5032.3	4992.1
5°	5819.4	5800.5	5736.7	5547.6	5424.7	5290.0	5178.9	5056.0	4926.0	4840.9	4774.7
7.5°	6143.3	6138.5	6029.8	5717.8	5519.3	5325.4	5174.2	4994.5	4807.8	4680.1	4595.0
10°	6443.5	6408.0	6278.0	5871.4	5611.4	5389.3	5226.2	5027.6	4810.1	4637.6	4524.1
12.5°	6708.2	6663.3	6483.6	6013.3	5691.8	5417.6	5240.3	5077.2	4933.1	4788.9	4658.9
15°	6925.7	6871.3	6689.3	6145.6	5762.7	5401.1	5152.9	5025.2	5074.9	5138.7	4994.5
17.5°	7128.9	7072.2	6850.0	6242.6	5784.0	5299.4	4937.8	4883.4	5134.0	5424.7	5358.5
20°	7299.1	7235.3	6977.7	6289.8	5746.2	5105.6	4658.9	4753.4	5084.3	5431.8	5538.2
22.5°	7483.5	7431.5	7121.9	6358.4	5698.9	4838.5	4424.9	4656.5	4999.2	5304.2	5464.9
25°	7779.0	7715.1	7346.4	6478.9	5675.3	4588.0	4257.0	4562.0	4881.1	5157.6	5282.9
27.5°	8206.8	8088.6	7653.7	6689.3	5701.3	4351.6	4150.7	4446.1	4744.0	4980.3	5082.0
30°	8672.4	8530.6	7994.1	6906.8	5739.1	4207.4	4093.9	4313.8	4533.6	4770.0	4881.1
32.5°	9223.2	9097.9	8358.1	7069.8	5658.7	4141.2	4051.4	4169.6	4344.5	4533.6	4625.8
35°	9880.3	9655.7	8755.2	7202.2	5398.7	4044.3	4013.6	4011.2	4103.4	4287.8	4391.8
37.5°	10587.0	10345.9	9244.5	7344.0	4994.5	3890.7	3923.8	3824.5	3909.6	4056.1	4174.3
40°	11166.2	10913.2	9738.5	7537.9	4488.7	3649.6	3725.2	3618.8	3670.8	3822.1	3954.5
42.5°	11733.4	11464.0	10199.4	7757.7	3999.4	3413.2	3451.0	3410.8	3427.4	3585.7	3770.1
45°	12478.0	12175.5	10766.7	7913.7	3559.7	3226.5	3191.0	3122.5	3209.9	3415.6	3611.7
47.5°	13721.3	13359.7	11695.6	8015.3	3240.6	3120.1	2957.0	2916.8	3025.5	3254.8	3458.1
50°	15175.0	14863.0	13180.0	8010.6	3001.9	3030.3	2730.1	2694.6	2874.3	3105.9	3321.0
52.5°	16366.3	16049.6	14449.3	7774.2	2805.7	2838.8	2597.7	2498.4	2744.3	2959.4	3174.5
55°	17328.3	16971.4	15033.2	6786.2	2557.5	2533.9	2453.5	2271.5	2581.2	2812.8	3013.7
57.5°	16810.7	16385.2	14326.4	5160.0	2302.3	2153.3	2205.3	2070.6	2359.0	2649.7	2843.5
60°	14094.8	13711.9	11638.9	2746.6	2025.7	1798.8	1907.5	1928.8	2115.5	2453.5	2652.1
62.5°	9681.7	9402.8	7887.7	1666.4	1597.9	1444.2	1614.4	1768.1	1907.5	2193.5	2366.1
65°	4736.9	4654.1	3945.0	1068.4	1118.0	1167.7	1337.9	1524.6	1730.2	1980.8	2162.8
67.5°	1304.8	1314.2	1196.0	834.4	881.7	1018.8	1153.5	1302.4	1508.0	1739.7	1924.1
70°	574.4	583.8	602.7	642.9	732.7	858.0	997.5	1151.1	1340.2	1534.0	1711.3
72.5°	399.5	408.9	437.3	489.3	569.7	687.8	820.2	966.8	1162.9	1326.0	1472.6
75°	245.8	252.9	278.9	323.8	378.2	468.0	598.0	732.7	905.3	1054.2	1184.2
77.5°	130.0	125.3	141.8	172.6	219.8	267.1	354.6	439.6	562.6	683.1	791.8
80°	70.9	68.5	78.0	94.5	108.7	146.5	205.6	262.4	333.3	401.8	460.9
82.5°	30.7	28.4	30.7	40.2	49.6	70.9	104.0	144.2	184.4	231.6	269.5
85°	0.0	0.0	0.0	2.4	11.8	18.9	35.5	52.0	75.6	104.0	127.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	21.3
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: P642990

CATALOG NUMBER: GWS-SA6E-722-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5
2.5°	4968.5	4909.4	4904.7	4857.4	4862.1	4864.5	4817.2	4798.3	4814.9	4833.8	4824.3
5°	4751.1	4689.6	4663.6	4618.7	4614.0	4592.7	4573.8	4550.1	4566.7	4583.2	4592.7
7.5°	4562.0	4521.8	4505.2	4493.4	4498.1	4488.7	4450.9	4429.6	4427.2	4434.3	4443.8
10°	4500.5	4467.4	4488.7	4521.8	4545.4	4562.0	4521.8	4486.3	4453.2	4439.0	4439.0
12.5°	4632.9	4590.3	4632.9	4668.3	4715.6	4727.4	4682.5	4644.7	4632.9	4647.0	4675.4
15°	4926.0	4826.7	4824.3	4845.6	4883.4	4902.3	4859.8	4840.9	4840.9	4930.7	5001.6
17.5°	5219.1	5056.0	4987.4	4975.6	4999.2	5006.3	4970.9	4954.3	4996.9	5171.8	5304.2
20°	5424.7	5226.2	5077.2	5048.9	5056.0	5058.3	5030.0	5018.2	5079.6	5292.3	5403.4
22.5°	5403.4	5256.9	5074.9	5039.4	5051.2	5046.5	5020.5	5015.8	5065.4	5249.8	5301.8
25°	5256.9	5143.4	4989.8	4966.1	4985.1	4982.7	4956.7	4944.9	4966.1	5089.1	5093.8
27.5°	5089.1	4989.8	4857.4	4850.3	4881.1	4897.6	4852.7	4817.2	4810.1	4892.9	4874.0
30°	4888.1	4814.9	4708.5	4713.2	4770.0	4779.4	4725.1	4673.0	4658.9	4703.8	4677.8
32.5°	4649.4	4625.8	4569.0	4580.9	4635.2	4654.1	4597.4	4543.0	4526.5	4540.7	4486.3
35°	4446.1	4436.7	4441.4	4462.7	4510.0	4524.1	4476.9	4434.3	4410.7	4361.0	4290.1
37.5°	4235.8	4261.8	4330.3	4370.5	4396.5	4391.8	4365.8	4335.0	4297.2	4205.0	4117.6
40°	4039.6	4105.8	4228.7	4273.6	4283.0	4285.4	4266.5	4240.5	4193.2	4070.3	3971.0
42.5°	3888.3	3961.6	4124.7	4193.2	4197.9	4202.7	4183.8	4162.5	4096.3	3933.2	3836.3
45°	3729.9	3826.8	4018.3	4101.0	4096.3	4093.9	4077.4	4067.9	3989.9	3800.8	3694.5
47.5°	3595.2	3708.7	3914.3	3985.2	3982.8	3980.5	3968.7	3968.7	3890.7	3685.0	3564.5
50°	3462.8	3592.8	3807.9	3867.0	3871.8	3867.0	3862.3	3869.4	3777.2	3557.4	3439.2
52.5°	3318.6	3465.2	3689.7	3744.1	3772.5	3784.3	3784.3	3767.7	3659.0	3429.7	3299.7
55°	3160.3	3299.7	3559.7	3633.0	3656.7	3677.9	3677.9	3644.8	3543.2	3311.6	3172.1
57.5°	2964.1	3087.0	3292.6	3365.9	3422.6	3436.8	3436.8	3382.5	3299.7	3077.5	2964.1
60°	2751.4	2857.7	2997.2	3075.2	3117.7	3089.4	3110.6	3096.5	3030.3	2824.6	2730.1
62.5°	2467.7	2576.4	2730.1	2810.4	2829.4	2801.0	2829.4	2827.0	2737.2	2552.8	2439.3
65°	2264.4	2370.8	2522.1	2626.1	2656.8	2649.7	2668.6	2640.3	2529.2	2354.3	2245.5
67.5°	2023.3	2136.8	2311.7	2427.5	2491.3	2498.4	2524.4	2465.3	2351.9	2160.4	2023.3
70°	1794.1	1891.0	2025.7	2134.4	2224.2	2269.2	2273.9	2188.8	2047.0	1888.6	1789.3
72.5°	1553.0	1652.2	1815.3	1933.5	2047.0	2099.0	2099.0	1995.0	1841.3	1666.4	1560.0
75°	1259.9	1352.0	1501.0	1628.6	1758.6	1824.8	1822.4	1732.6	1562.4	1397.0	1285.9
77.5°	853.3	921.8	1016.4	1113.3	1132.2	1184.2	1210.2	1096.8	1002.2	912.4	813.1
80°	496.4	538.9	590.9	645.3	657.1	673.7	631.1	588.6	538.9	479.8	434.9
82.5°	290.7	319.1	345.1	387.6	394.7	399.5	361.6	342.7	302.6	267.1	238.7
85°	141.8	151.3	174.9	196.2	186.7	182.0	165.5	146.5	130.0	115.8	101.6
87.5°	28.4	28.4	42.5	40.2	33.1	28.4	16.5	21.3	4.7	4.7	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: P642990

CATALOG NUMBER: GWS-SA6E-722-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5
2.5°	4855.1	4895.2	4944.9	5011.1	5086.7	5167.1	5245.1	5304.2	5363.3	5450.7	5436.5
5°	4606.9	4675.4	4753.4	4855.1	4978.0	5117.4	5273.4	5429.4	5597.3	5739.1	5800.5
7.5°	4462.7	4538.3	4630.5	4762.9	4921.2	5091.4	5311.3	5564.2	5836.0	6022.7	6138.5
10°	4462.7	4559.6	4680.1	4807.8	4947.2	5122.2	5394.0	5710.7	6060.5	6306.4	6441.1
12.5°	4720.3	4817.2	4843.2	4838.5	4916.5	5110.3	5460.2	5864.4	6282.7	6542.7	6708.2
15°	5122.2	5155.2	4959.1	4779.4	4791.2	5025.2	5490.9	5987.3	6474.2	6786.2	6965.8
17.5°	5391.6	5304.2	4954.3	4640.0	4573.8	4881.1	5490.9	6105.5	6677.5	7029.7	7197.5
20°	5412.9	5195.4	4833.8	4505.2	4335.0	4689.6	5453.1	6195.3	6873.7	7263.7	7443.3
22.5°	5226.2	5011.1	4706.1	4389.4	4138.9	4458.0	5391.6	6263.8	7041.5	7483.5	7705.7
25°	5013.4	4833.8	4576.1	4271.2	4004.1	4223.9	5334.9	6379.6	7275.5	7781.3	8005.9
27.5°	4805.4	4654.1	4420.1	4171.9	3928.5	4020.7	5299.4	6549.8	7554.4	8204.4	8398.3
30°	4602.1	4465.0	4252.3	4077.4	3888.3	3888.3	5268.7	6746.0	7923.1	8679.5	8873.4
32.5°	4396.5	4266.5	4093.9	3985.2	3864.7	3836.3	5183.6	6930.4	8303.7	9199.5	9398.1
35°	4205.0	4075.0	3942.7	3897.8	3852.8	3796.1	4973.2	7074.6	8674.8	9807.0	9977.2
37.5°	4025.4	3900.1	3800.8	3789.0	3793.8	3687.4	4642.3	7195.1	9138.1	10428.7	10518.5
40°	3869.4	3729.9	3651.9	3649.6	3673.2	3512.5	4223.9	7367.7	9667.6	10955.8	10918.0
42.5°	3729.9	3583.4	3488.8	3510.1	3495.9	3337.6	3815.0	7526.0	10128.5	11449.8	11374.2
45°	3592.8	3451.0	3318.6	3349.4	3332.8	3228.8	3467.6	7641.9	10639.0	12043.1	12052.5
47.5°	3460.5	3321.0	3188.6	3150.8	3148.5	3195.7	3200.5	7679.7	11471.1	12998.0	12782.9
50°	3337.6	3198.1	3061.0	2933.4	2983.0	3129.5	3001.9	7651.3	12716.7	14052.2	13451.9
52.5°	3209.9	3077.5	2926.3	2697.0	2827.0	2971.2	2824.6	7549.7	13477.9	14983.5	14624.3
55°	3063.4	2938.1	2732.4	2453.5	2611.9	2642.6	2642.6	6566.4	13801.7	15905.4	16127.6
57.5°	2867.2	2701.7	2375.5	2151.0	2292.8	2174.6	2448.8	4595.0	13267.5	15614.7	16477.4
60°	2645.0	2467.7	2122.6	1961.9	2004.4	1796.4	2087.2	2881.4	10996.0	13286.4	14780.3
62.5°	2351.9	2188.8	1902.8	1777.5	1690.1	1465.5	1680.6	1822.4	7537.9	9866.1	10884.9
65°	2155.7	1976.1	1720.8	1555.3	1375.7	1179.5	1115.7	1196.0	4053.8	5521.6	6209.5
67.5°	1924.1	1746.8	1505.7	1297.7	1153.5	1011.7	900.6	872.2	1389.9	1839.0	1990.2
70°	1704.2	1534.0	1333.1	1139.3	995.1	855.7	746.9	668.9	642.9	638.2	628.7
72.5°	1479.7	1321.3	1153.5	973.8	815.5	687.8	590.9	501.1	463.3	451.5	439.6
75°	1212.6	1087.3	919.5	725.7	598.0	479.8	404.2	345.1	312.0	300.2	286.0
77.5°	780.0	723.3	576.7	468.0	361.6	286.0	245.8	208.0	186.7	182.0	170.2
80°	416.0	387.6	319.1	269.5	215.1	174.9	153.6	132.4	120.5	115.8	111.1
82.5°	231.6	210.4	177.3	156.0	125.3	106.4	94.5	85.1	78.0	75.6	73.3
85°	104.0	89.8	70.9	66.2	59.1	54.4	52.0	47.3	44.9	42.5	40.2
87.5°	4.7	9.5	11.8	9.5	9.5	14.2	16.5	16.5	14.2	14.2	11.8
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: P642990

CATALOG NUMBER: GWS-SA6E-722-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5	5176.5
2.5°	5524.0	5594.9	5602.0	5625.6	5594.9	5587.8	5538.2	5509.8	5483.8	5476.7
5°	5954.2	6096.0	6152.7	6192.9	6155.1	6136.2	6027.5	5914.0	5850.2	5819.4
7.5°	6396.2	6608.9	6720.0	6769.7	6774.4	6689.3	6502.6	6289.8	6183.5	6143.3
10°	6790.9	7053.3	7199.9	7294.4	7261.3	7157.3	6902.0	6613.7	6478.9	6443.5
12.5°	7084.0	7334.6	7448.0	7509.5	7507.1	7450.4	7209.3	6897.3	6743.7	6708.2
15°	7273.1	7422.0	7429.1	7443.3	7483.5	7559.1	7433.9	7145.5	6975.3	6925.7
17.5°	7422.0	7362.9	7251.9	7214.0	7303.9	7514.2	7589.9	7355.9	7171.5	7128.9
20°	7516.6	7218.8	7022.6	6949.3	7053.3	7396.0	7684.4	7545.0	7353.5	7299.1
22.5°	7589.9	7084.0	6767.3	6717.7	6826.4	7268.4	7781.3	7769.5	7559.1	7483.5
25°	7705.7	6994.2	6587.7	6552.2	6653.8	7206.9	7911.3	8074.4	7887.7	7779.0
27.5°	7887.7	6984.8	6495.5	6483.6	6623.1	7261.3	8098.1	8521.2	8287.2	8206.8
30°	8140.6	7074.6	6516.7	6540.4	6710.6	7457.5	8388.8	9031.7	8797.7	8672.4
32.5°	8504.6	7315.7	6840.6	6942.2	7067.5	7771.9	8814.3	9584.8	9407.6	9223.2
35°	8984.5	7977.5	7797.9	8230.4	8112.2	8459.7	9327.2	10256.1	10041.0	9880.3
37.5°	9625.0	9334.3	9499.7	10095.4	9809.4	9759.7	9953.6	10866.0	10747.8	10587.0
40°	10523.2	10582.3	10887.2	11669.6	11256.0	10936.9	10721.8	11324.5	11364.7	11166.2
42.5°	11118.9	11390.7	12125.8	13014.6	12444.9	11681.4	11364.7	11910.7	11913.1	11733.4
45°	11341.1	12052.5	13589.0	14612.4	13659.9	12106.9	11719.3	12707.3	12683.7	12478.0
47.5°	11260.7	12610.4	15108.8	16673.6	15219.9	12409.5	11669.6	13841.9	14033.3	13721.3
50°	11092.9	13170.6	16884.0	19198.0	17134.5	12730.9	11594.0	15099.4	15416.1	15175.0
52.5°	11263.1	13794.6	18982.9	21807.6	19536.0	13243.9	12104.5	16713.8	16657.0	16366.3
55°	11802.0	14532.1	21533.4	25086.0	22173.9	14111.3	13416.4	18252.5	17675.8	17328.3
57.5°	11776.0	15059.2	23769.4	27679.0	24469.1	14822.8	13872.6	18415.6	17250.3	16810.7
60°	10688.7	14818.1	24620.4	29319.4	25161.7	14430.4	12371.6	16449.0	14555.7	14094.8
62.5°	7977.5	13149.3	22970.5	27265.4	23202.2	12463.8	9303.6	11806.7	10459.4	9681.7
65°	5103.2	10286.9	19311.5	22088.8	19124.8	9532.8	5540.5	6330.0	4959.1	4736.9
67.5°	2172.2	7261.3	15011.9	14763.7	14307.5	6176.4	2139.2	1782.2	1328.4	1304.8
70°	718.6	4940.1	9253.9	9847.2	8544.8	4254.7	706.7	598.0	595.7	574.4
72.5°	470.4	2652.1	5209.6	5800.5	5498.0	2448.8	427.8	399.5	408.9	399.5
75°	281.3	576.7	876.9	1139.3	876.9	411.3	257.6	252.9	257.6	245.8
77.5°	165.5	160.7	156.0	156.0	153.6	141.8	130.0	125.3	127.6	130.0
80°	106.4	101.6	96.9	94.5	82.7	78.0	73.3	68.5	68.5	70.9
82.5°	68.5	63.8	59.1	52.0	42.5	35.5	33.1	28.4	28.4	30.7
85°	35.5	28.4	21.3	16.5	9.5	4.7	0.0	0.0	0.0	0.0
87.5°	7.1	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)