

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: P643814

Luminaire Tested: GWS-SA6F-760-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGF-760-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26925.1 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

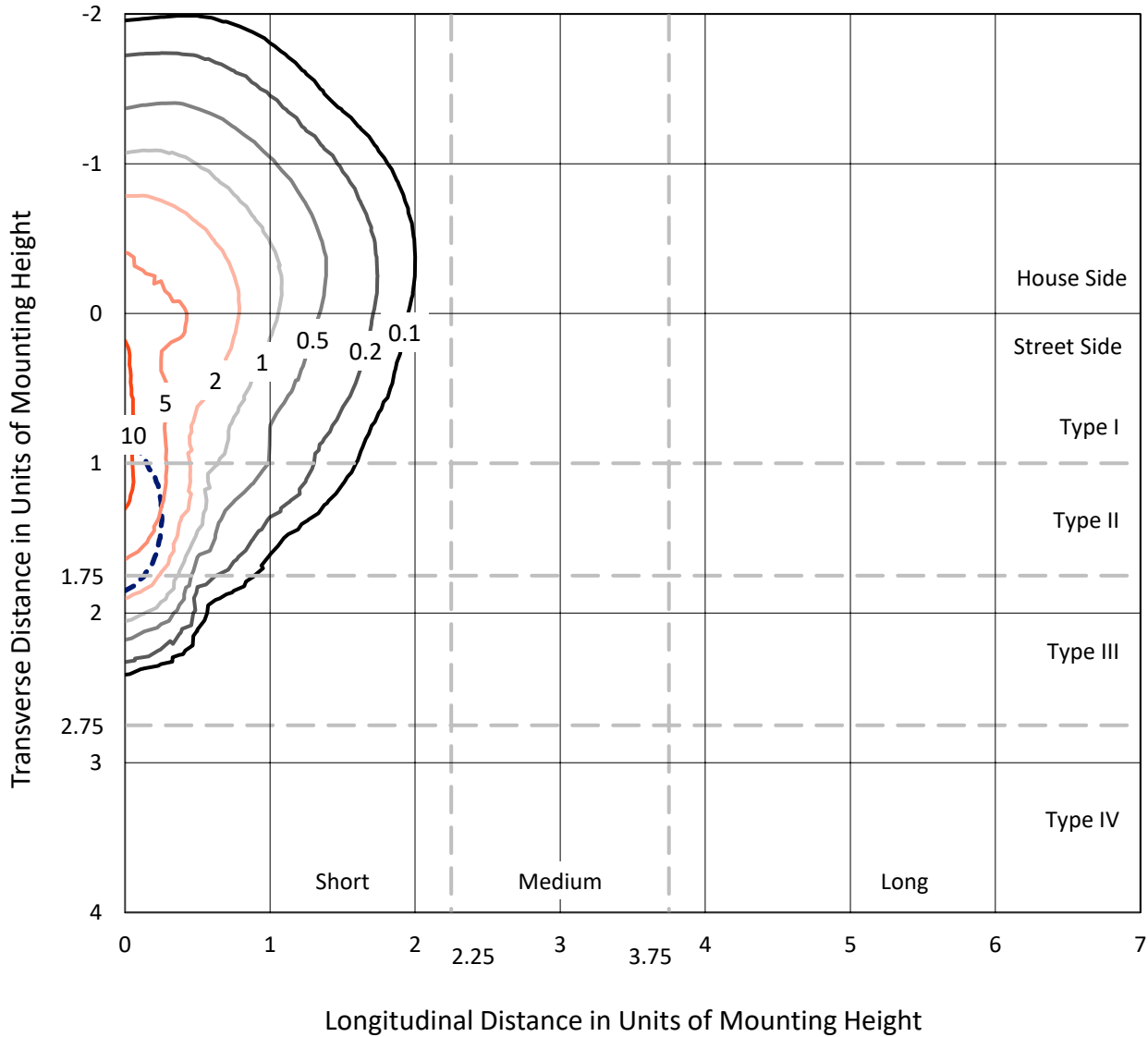
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

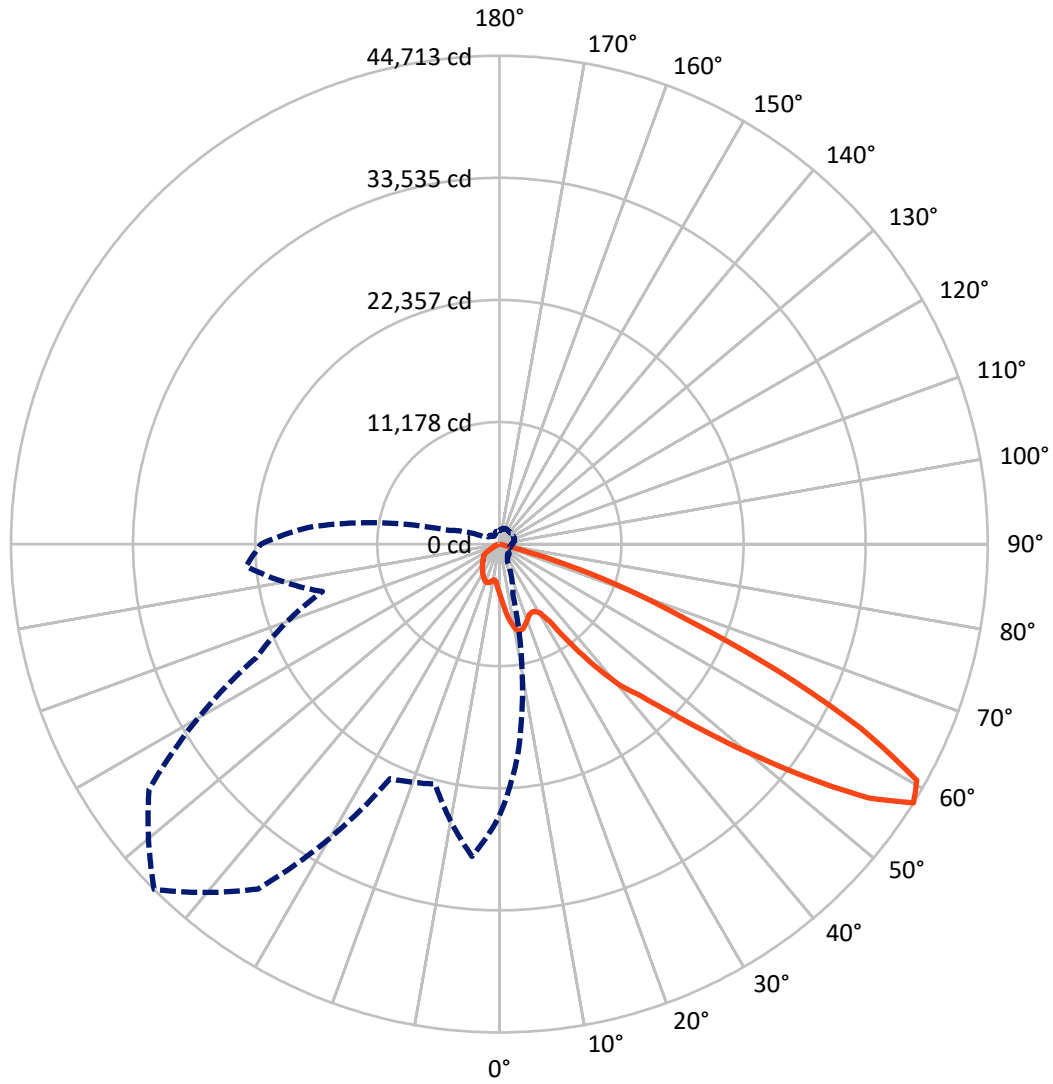
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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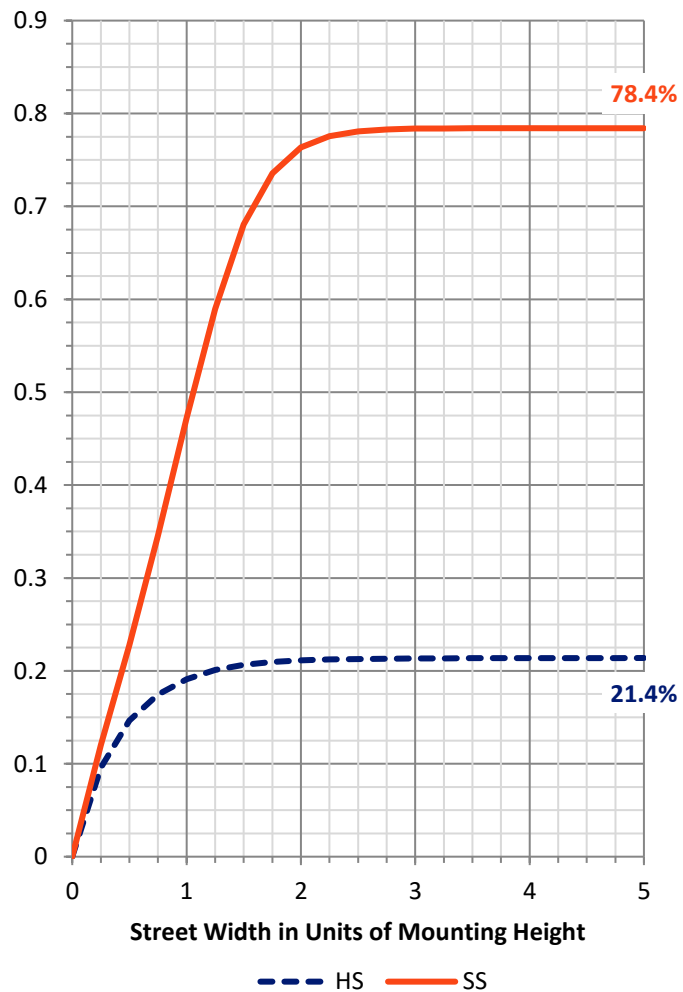
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5800.6	0.0	5800.6
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	21124.5	0.0	21124.5
	% Fixture	78.5	0.0	78.5
Total	Lumens	26925.1	0.0	26925.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.2	1.7
10°-20°	1487.9	5.5
20°-30°	2414.7	9.0
30°-40°	3706.0	13.8
40°-50°	5918.7	22.0
50°-60°	8287.3	30.8
60°-70°	4249.1	15.8
70°-80°	409.1	1.5
80°-90°	0.0	0.0
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°	26925.1	100.0
0°-180°	26925.1	100.0

Coefficient of Utilization



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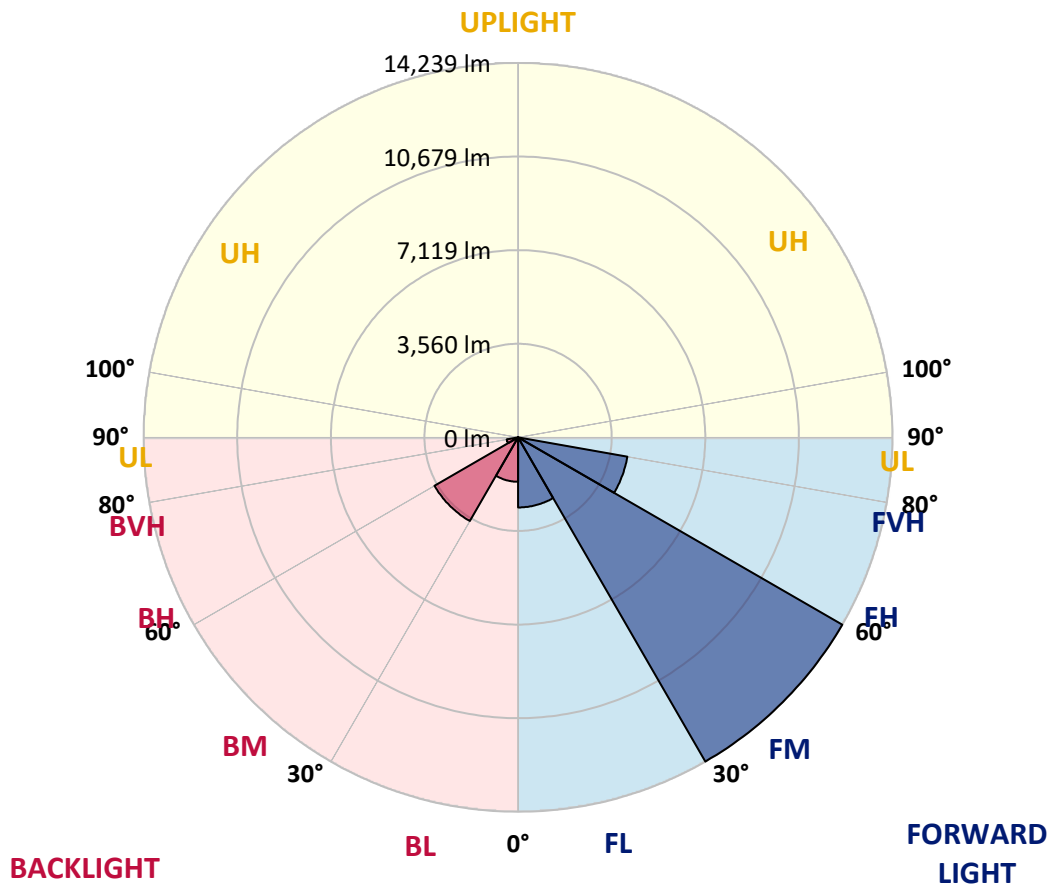
CATALOG NUMBER: GWS-SA6F-760-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2665.8	9.9			
FM (30°-60°)	14238.6	52.9			
FH (60°-80°)	4220.1	15.7			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1689.0	6.3	B3/2500		
BM (30°-60°)	3673.4	13.6	B3/5000		
BH (60°-80°)	438.1	1.6	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0
2.5°	5082.5	5071.7	5035.7	4913.3	4837.7	4719.0	4632.6	4521.0	4398.6	4323.0	4247.4
5°	5622.4	5593.6	5496.4	5215.7	4999.7	4765.7	4578.6	4373.4	4153.8	4009.9	3876.7
7.5°	6140.8	6097.6	5968.0	5492.8	5165.3	4830.5	4564.2	4265.4	3955.9	3739.9	3574.3
10°	6648.3	6551.1	6345.9	5762.8	5320.1	4916.9	4603.8	4261.8	3898.3	3624.7	3441.1
12.5°	7065.8	6993.8	6713.1	6018.4	5449.7	4934.9	4549.8	4233.0	3988.3	3804.7	3635.5
15°	7425.8	7346.6	7080.2	6248.7	5561.2	4862.9	4323.0	4045.8	4085.4	4157.4	4013.5
17.5°	7756.9	7674.1	7386.2	6439.5	5604.4	4686.6	4006.3	3873.1	4092.6	4362.6	4308.6
20°	8098.9	8005.3	7652.6	6594.3	5590.0	4409.4	3685.9	3725.5	4035.0	4344.6	4373.4
22.5°	8498.4	8401.2	7990.9	6792.3	5579.2	4078.2	3408.7	3595.9	3927.1	4189.8	4240.2
25°	9027.6	8912.4	8462.4	7083.8	5608.0	3775.9	3210.8	3469.9	3743.5	3981.1	4009.9
27.5°	9725.9	9578.3	9006.0	7443.8	5669.2	3538.3	3124.4	3297.1	3509.5	3721.9	3747.1
30°	10636.5	10449.4	9628.7	7756.9	5640.4	3372.7	3066.8	3124.4	3250.4	3423.1	3426.7
32.5°	11702.0	11446.4	10327.0	8026.9	5392.1	3250.4	2987.6	2948.0	2976.8	3110.0	3135.2
35°	12954.6	12623.5	11097.3	8282.5	4938.5	3012.8	2843.6	2710.4	2699.6	2764.4	2825.6
37.5°	14390.8	13994.9	12069.1	8610.0	4402.2	2764.4	2631.2	2498.1	2440.5	2472.9	2566.4
40°	15715.4	15276.3	13084.2	9006.0	3855.1	2541.3	2382.9	2246.1	2177.7	2188.5	2303.7
42.5°	17270.4	16816.9	14326.0	9524.3	3401.5	2390.1	2123.7	1983.3	1893.3	1943.7	2076.9
45°	19631.7	19117.0	16136.6	9974.2	3041.6	2354.1	1896.9	1699.0	1655.8	1742.2	1900.5
47.5°	22856.9	22227.0	18623.8	10247.8	2735.6	2386.5	1738.6	1468.6	1479.4	1576.6	1735.0
50°	26056.8	25376.5	21499.9	9887.8	2483.7	2321.7	1659.4	1288.6	1357.0	1443.4	1587.4
52.5°	28256.1	27370.7	22900.1	8847.6	2253.3	2076.9	1652.2	1119.4	1249.0	1277.8	1400.2
55°	28342.5	27251.9	22183.8	6975.8	1940.1	1753.0	1576.6	979.1	1130.2	1141.0	1245.4
57.5°	24843.8	23857.5	19386.9	4790.9	1724.2	1285.0	1256.2	856.7	928.7	1018.7	1083.5
60°	18901.0	18062.3	14498.8	2195.7	1310.2	817.1	860.3	737.9	694.7	827.9	892.7
62.5°	11576.0	11039.7	8696.4	971.9	835.1	435.5	521.9	586.7	521.9	572.3	626.3
65°	4596.6	4359.0	3300.7	413.9	342.0	219.6	237.6	342.0	367.1	403.1	453.5
67.5°	799.1	755.9	554.3	183.6	140.4	133.2	115.2	158.4	223.2	248.4	288.0
70°	104.4	100.8	90.0	75.6	72.0	64.8	50.4	100.8	151.2	158.4	183.6
72.5°	25.2	21.6	21.6	18.0	21.6	7.2	7.2	54.0	108.0	111.6	129.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	68.4	75.6	90.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0
2.5°	4186.2	4114.2	4089.0	4053.0	4006.3	4020.6	3955.9	3934.3	3966.7	4009.9	3999.1
5°	3804.7	3725.5	3671.5	3588.7	3574.3	3541.9	3520.3	3491.5	3527.5	3577.9	3588.7
7.5°	3502.3	3433.9	3379.9	3354.7	3336.7	3322.3	3279.2	3257.6	3257.6	3279.2	3297.1
10°	3372.7	3322.3	3311.5	3318.7	3347.5	3343.9	3304.3	3275.6	3239.6	3221.6	3243.2
12.5°	3552.7	3469.9	3455.5	3459.1	3495.1	3491.5	3448.3	3412.3	3405.1	3412.3	3480.7
15°	3858.7	3732.7	3639.1	3621.1	3639.1	3631.9	3599.5	3577.9	3588.7	3693.1	3808.3
17.5°	4132.2	3937.9	3768.7	3703.9	3700.3	3689.5	3657.1	3649.9	3703.9	3898.3	4067.4
20°	4211.4	4020.6	3779.5	3696.7	3678.7	3667.9	3631.9	3642.7	3711.1	3945.1	4089.0
22.5°	4107.0	3923.5	3671.5	3588.7	3574.3	3570.7	3534.7	3549.1	3606.7	3811.9	3930.7
25°	3909.1	3754.3	3491.5	3419.5	3419.5	3412.3	3379.9	3387.1	3423.1	3603.1	3718.3
27.5°	3667.9	3520.3	3300.7	3228.8	3239.6	3250.4	3210.8	3200.0	3228.8	3397.9	3466.3
30°	3390.7	3286.3	3113.6	3048.8	3045.2	3088.4	3034.4	3020.0	3059.6	3192.8	3207.2
32.5°	3120.8	3070.4	2948.0	2897.6	2901.2	2908.4	2879.6	2879.6	2915.6	2987.6	2984.0
35°	2858.0	2825.6	2804.0	2768.0	2764.4	2750.0	2750.0	2757.2	2796.8	2822.0	2775.2
37.5°	2606.0	2638.4	2663.6	2627.6	2598.8	2598.8	2598.8	2631.2	2667.2	2656.4	2577.2
40°	2382.9	2451.3	2530.5	2490.9	2422.5	2418.9	2433.3	2487.3	2541.3	2476.5	2404.5
42.5°	2192.1	2278.5	2390.1	2368.5	2292.9	2282.1	2292.9	2361.3	2404.5	2321.7	2242.5
45°	2004.9	2112.9	2246.1	2246.1	2163.3	2152.5	2156.1	2246.1	2271.3	2174.1	2073.3
47.5°	1846.5	1965.3	2105.7	2105.7	2037.3	2015.7	2033.7	2127.3	2145.3	2008.5	1914.9
50°	1695.4	1825.0	1979.7	1968.9	1922.1	1904.1	1936.5	2037.3	2015.7	1864.5	1767.4
52.5°	1504.6	1641.4	1853.7	1864.5	1839.3	1842.9	1882.5	1947.3	1886.1	1702.6	1619.8
55°	1331.8	1472.2	1684.6	1742.2	1742.2	1738.6	1756.6	1807.0	1756.6	1537.0	1436.2
57.5°	1144.6	1263.4	1439.8	1454.2	1465.0	1425.4	1450.6	1519.0	1493.8	1306.6	1249.0
60°	939.5	1040.3	1141.0	1151.8	1105.0	1022.3	1069.1	1148.2	1166.2	1025.9	961.1
62.5°	665.9	763.1	881.9	881.9	835.1	752.3	813.5	881.9	856.7	712.7	673.1
65°	496.7	586.7	676.7	716.3	676.7	619.1	665.9	716.3	676.7	557.9	500.3
67.5°	320.4	381.5	435.5	467.9	475.1	467.9	489.5	475.1	428.3	349.2	316.8
70°	194.4	226.8	255.6	284.4	306.0	316.8	327.6	295.2	248.4	205.2	194.4
72.5°	140.4	169.2	194.4	216.0	241.2	248.4	248.4	226.8	183.6	144.0	133.2
75°	97.2	122.4	144.0	158.4	180.0	187.2	187.2	169.2	136.8	104.4	93.6
77.5°	3.6	25.2	25.2	21.6	28.8	36.0	36.0	43.2	39.6	28.8	25.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0
2.5°	4020.6	4150.2	4186.2	4319.4	4438.2	4557.0	4701.0	4787.3	4916.9	5006.9	5057.3
5°	3624.7	3732.7	3862.3	4060.2	4265.4	4492.2	4765.7	5003.3	5302.1	5521.6	5593.6
7.5°	3336.7	3477.1	3628.3	3876.7	4157.4	4459.8	4844.9	5233.7	5690.8	5989.6	6180.4
10°	3282.8	3426.7	3628.3	3873.1	4168.2	4513.8	4985.3	5489.2	6061.6	6425.1	6641.1
12.5°	3541.9	3696.7	3783.1	3894.7	4117.8	4503.0	5107.7	5748.4	6421.5	6817.5	7047.8
15°	3923.5	4060.2	3919.9	3779.5	3923.5	4387.8	5176.1	5964.4	6738.3	7195.4	7433.0
17.5°	4186.2	4197.0	3891.1	3592.3	3631.9	4179.0	5201.3	6180.4	7076.6	7555.4	7803.7
20°	4161.0	4074.6	3765.1	3433.9	3311.5	3909.1	5172.5	6371.1	7418.6	7918.9	8163.7
22.5°	3966.7	3865.9	3603.1	3279.2	3041.6	3588.7	5122.1	6543.9	7731.7	8300.5	8530.8
25°	3732.7	3624.7	3408.7	3124.4	2868.8	3279.2	5082.5	6781.5	8127.7	8797.2	8977.2
27.5°	3459.1	3365.5	3182.0	2976.8	2796.8	3045.2	5071.7	7094.6	8606.4	9401.9	9527.9
30°	3192.8	3106.4	2962.4	2843.6	2768.0	2908.4	5035.7	7429.4	9178.7	10096.6	10233.4
32.5°	2937.2	2850.8	2760.8	2742.8	2746.4	2858.0	4913.3	7760.5	9859.0	11104.5	11205.3
35°	2717.6	2616.8	2580.8	2624.0	2703.2	2771.6	4567.8	8034.1	10589.7	12202.3	12285.1
37.5°	2508.9	2408.1	2404.5	2508.9	2595.2	2638.4	4161.0	8304.1	11576.0	13318.2	13422.6
40°	2318.1	2217.3	2253.3	2379.3	2447.7	2469.3	3667.9	8714.4	12619.9	14495.2	14437.6
42.5°	2156.1	2051.7	2073.3	2235.3	2296.5	2354.1	3214.4	9056.4	13624.1	15611.1	15593.1
45°	1997.7	1918.5	1904.1	2080.5	2134.5	2364.9	2883.2	9319.1	14916.4	17032.9	17061.7
47.5°	1842.9	1781.8	1785.4	1860.9	1994.1	2418.9	2602.4	9491.9	16791.7	19286.2	18785.8
50°	1702.6	1655.8	1695.4	1609.0	1904.1	2350.5	2361.3	9455.9	18886.6	21445.9	20441.6
52.5°	1547.8	1537.0	1555.0	1346.2	1760.2	2073.3	2134.5	8977.2	19869.3	22921.7	22349.3
55°	1389.4	1385.8	1241.8	1076.3	1472.2	1655.8	1828.5	7490.6	19836.9	23706.4	24401.1
57.5°	1202.2	1173.4	943.1	878.3	1144.6	1151.8	1666.6	4906.1	17580.0	21827.4	23267.2
60°	910.7	889.1	691.1	712.7	799.1	737.9	1328.2	2444.1	13138.2	17004.1	18627.4
62.5°	629.9	601.1	514.7	550.7	514.7	421.1	813.5	1209.4	7958.5	10737.3	12209.5
65°	460.7	428.3	352.8	302.4	241.2	241.2	309.6	464.3	3081.2	4564.2	5503.6
67.5°	284.4	270.0	208.8	151.2	147.6	158.4	162.0	230.4	496.7	791.9	968.3
70°	183.6	169.2	140.4	97.2	90.0	93.6	97.2	108.0	126.0	136.8	165.6
72.5°	126.0	118.8	100.8	54.0	43.2	46.8	50.4	50.4	61.2	57.6	68.4
75°	90.0	82.8	72.0	25.2	14.4	18.0	21.6	18.0	21.6	14.4	18.0
77.5°	25.2	25.2	18.0	3.6	0.0	3.6	7.2	7.2	3.6	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



REPORT NUMBER: P643814

CATALOG NUMBER: GWS-SA6F-760-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0	4575.0
2.5°	5186.9	5269.7	5302.1	5255.3	5294.9	5230.1	5204.9	5107.7	5100.5	5082.5
5°	5885.2	6072.4	6184.0	6252.3	6173.2	6086.8	5957.2	5734.0	5665.6	5622.4
7.5°	6572.7	6864.3	7055.0	7145.0	7123.4	6947.0	6713.1	6338.7	6205.6	6140.8
10°	7170.2	7526.6	7756.9	7868.5	7821.7	7666.9	7332.2	6864.3	6687.9	6648.3
12.5°	7587.8	7915.3	8073.7	8170.9	8174.5	8113.3	7796.5	7325.0	7116.2	7065.8
15°	7850.5	7990.9	7994.5	8052.1	8152.9	8289.7	8142.1	7724.5	7501.4	7425.8
17.5°	8016.1	7861.3	7702.9	7717.3	7882.9	8246.5	8397.6	8077.3	7839.7	7756.9
20°	8134.9	7645.4	7350.2	7353.8	7523.0	8073.7	8574.0	8419.2	8174.5	8098.9
22.5°	8210.5	7454.6	7033.4	7022.6	7202.6	7868.5	8736.0	8826.0	8584.8	8498.4
25°	8365.3	7364.6	6842.7	6903.9	7062.2	7803.7	8955.6	9365.9	9142.7	9027.6
27.5°	8642.4	7454.6	6824.7	6965.0	7145.0	7994.5	9337.1	10085.8	9855.5	9725.9
30°	9121.2	7792.9	7101.8	7296.2	7512.2	8494.8	9977.8	11090.1	10758.9	10636.5
32.5°	9891.4	8494.8	7958.5	8376.1	8584.8	9315.5	10938.9	12216.7	11946.8	11702.0
35°	10953.3	10096.6	10035.4	11007.3	10956.9	10870.5	12119.5	13598.9	13192.2	12954.6
37.5°	12414.7	12673.9	13127.4	14092.1	14059.7	13401.0	13670.9	14905.6	14696.8	14390.8
40°	14239.6	14790.4	15560.7	16942.9	16510.9	15683.1	15575.1	16244.6	16075.4	15715.4
42.5°	15315.9	16266.2	17734.8	18976.6	18631.0	17184.0	17061.7	18033.5	17662.8	17270.4
45°	15816.2	17468.4	20348.0	22029.0	20981.5	18181.1	18134.3	20366.0	20157.2	19631.7
47.5°	16046.6	18681.4	23407.6	25952.4	23994.3	19055.8	18886.6	23749.5	23476.0	22856.9
50°	16302.2	20355.2	27093.5	30498.6	27633.4	20045.7	20168.0	26902.7	26787.5	26056.8
52.5°	16863.7	22126.2	31632.5	35696.3	32046.4	21597.0	22367.3	29875.9	29098.4	28256.1
55°	17706.0	24055.5	36355.0	41005.6	36549.4	23681.2	24746.6	31456.1	29274.8	28342.5
57.5°	16773.7	24537.8	39151.8	44713.1	38547.1	23688.4	22734.5	28716.9	25747.3	24843.8
60°	13311.0	22828.1	38075.6	43910.4	36844.6	21035.5	17407.2	22421.3	19505.7	18901.0
62.5°	8998.8	19145.8	33518.6	37136.1	31535.3	16546.9	11313.3	14581.6	12076.3	11576.0
65°	4931.3	14282.8	27082.7	28094.2	24681.8	11558.0	5820.4	6327.9	4819.7	4596.6
67.5°	1360.6	9941.8	19926.9	18638.2	17317.2	7526.6	1504.6	1130.2	806.3	799.1
70°	342.0	6576.3	11939.6	12306.7	10618.5	4819.7	288.0	136.8	108.0	104.4
72.5°	144.0	2829.2	5665.6	6511.5	5435.3	2231.7	104.4	39.6	32.4	25.2
75°	18.0	226.8	482.3	730.7	500.3	241.2	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	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)