

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: P643323

Luminaire Tested: GWS-SA6E-760-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-760-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT 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: 24094.2 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

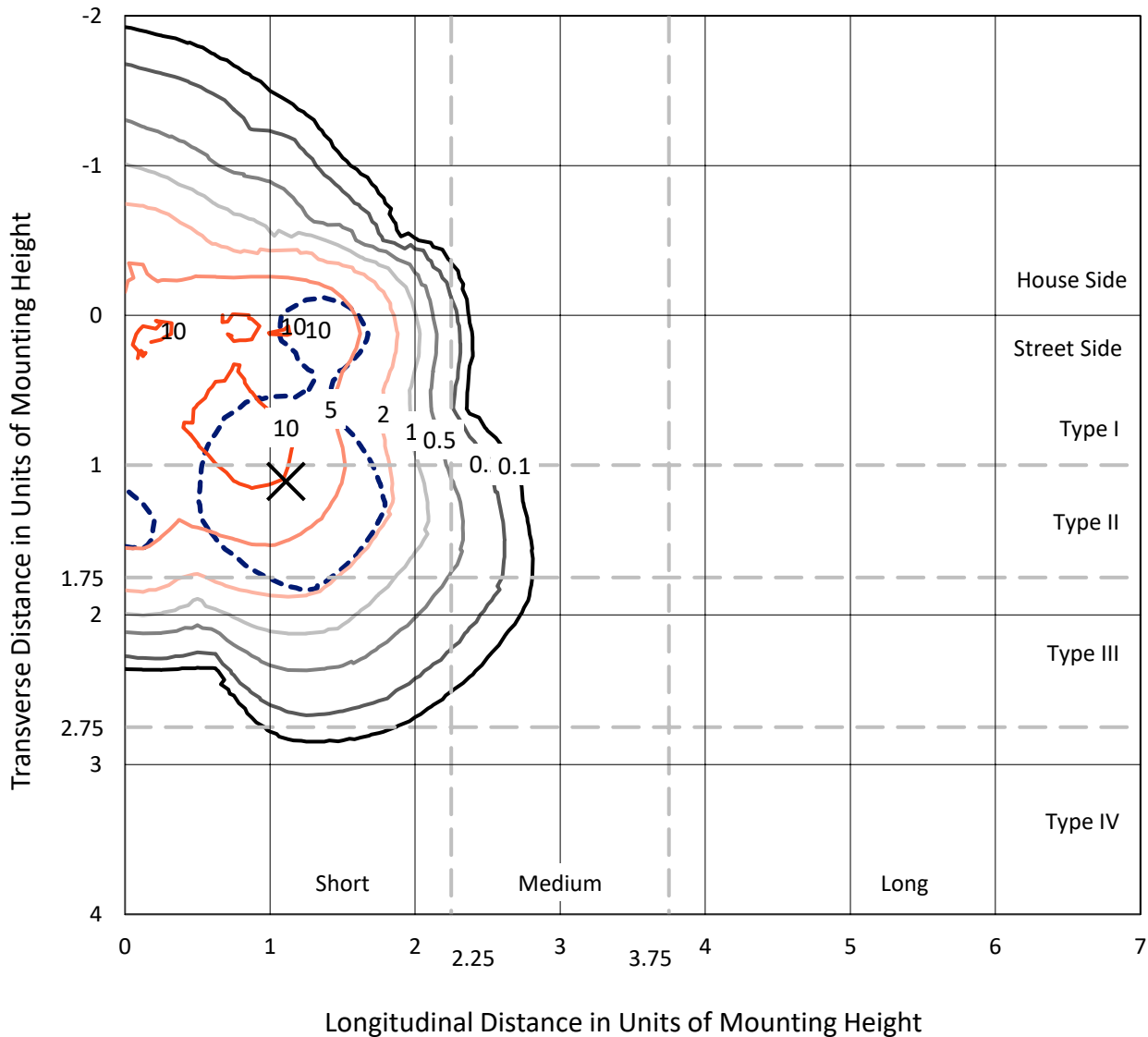
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

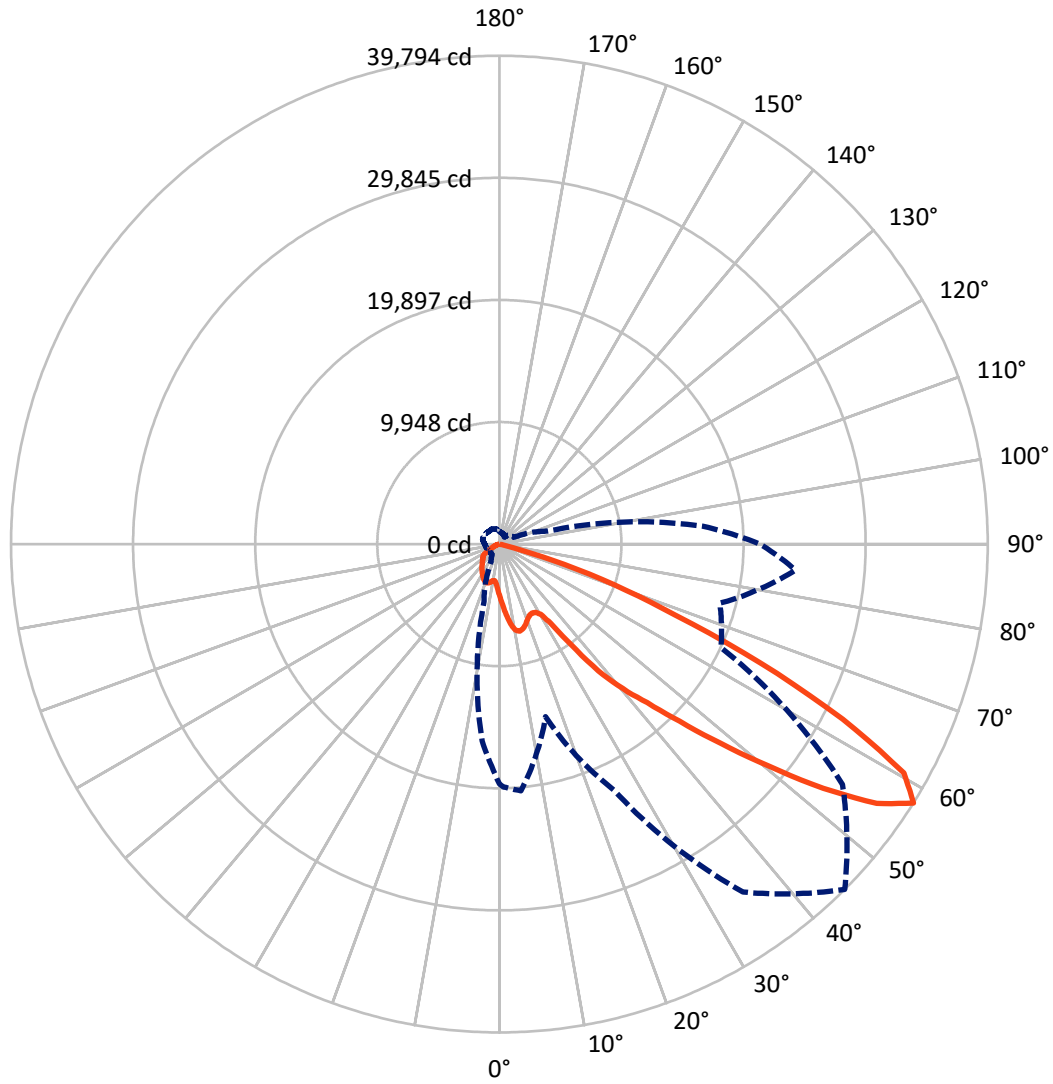
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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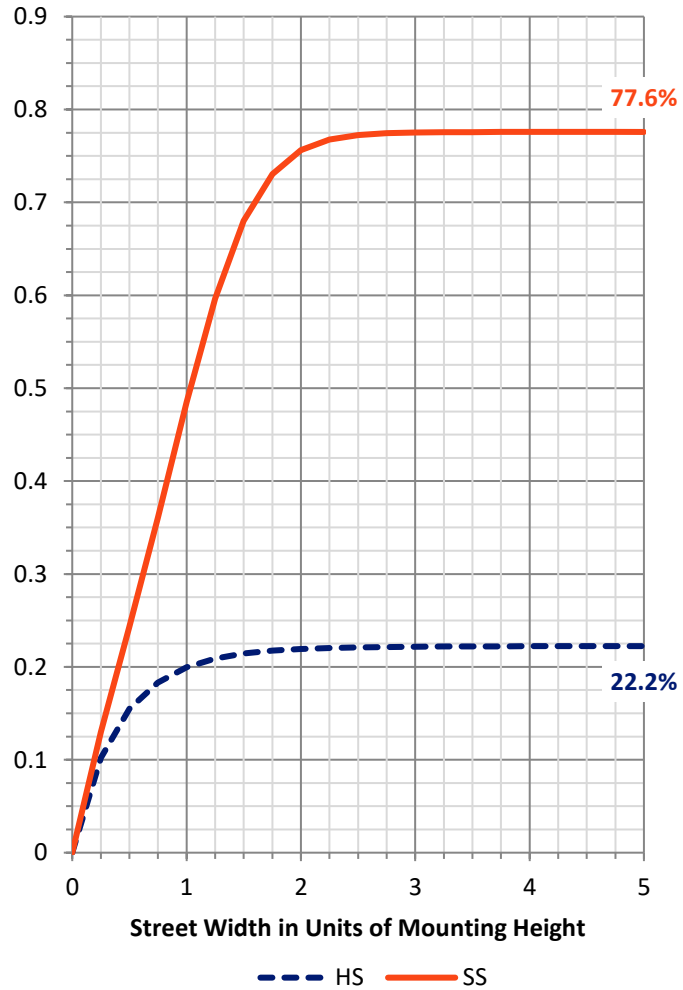
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5395.3	0.0	5395.3
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	18698.9	0.0	18698.9
	% Fixture	77.6	0.0	77.6
Total	Lumens	24094.2	0.0	24094.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	416.6	1.7
10°-20°	1347.7	5.6
20°-30°	2189.3	9.1
30°-40°	3382.7	14.0
40°-50°	5424.2	22.5
50°-60°	7413.4	30.8
60°-70°	3590.5	14.9
70°-80°	328.8	1.4
80°-90°	1.0	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°	24094.2	100.0
0°-180°	24094.2	100.0

Coefficient of Utilization



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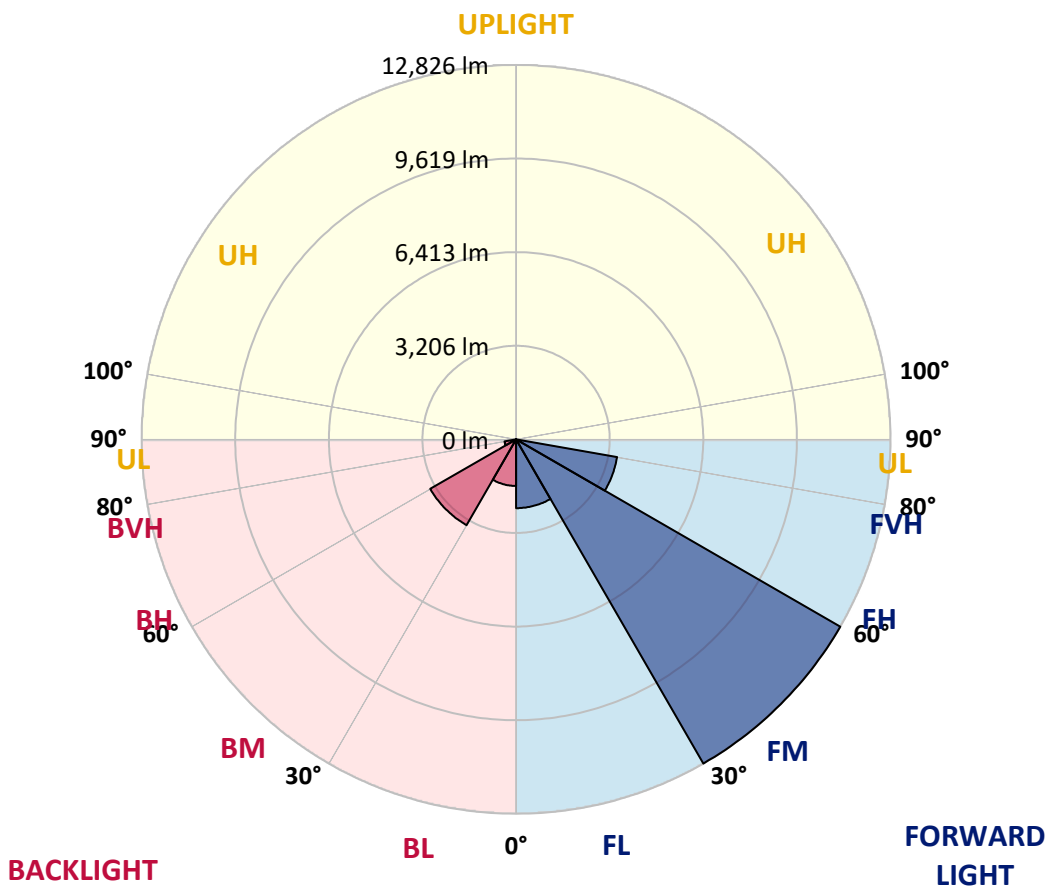
CATALOG NUMBER: GWS-SA6E-760-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2357.1	9.8			
FM (30°-60°)	12825.9	53.2			
FH (60°-80°)	3514.9	14.6			G2/5000
FVH (80°-90°)	1.0	0.0			G0/10
BL (0°-30°)	1596.4	6.6	B3/2500		
BM (30°-60°)	3394.5	14.1	B3/5000		
BH (60°-80°)	404.4	1.7	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°	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8
2.5°	4587.7	4616.9	4665.4	4769.0	4856.4	4914.7	4940.6	4934.1	4898.5	4872.6	4820.8
5°	5079.8	5079.8	5173.7	5410.1	5591.4	5704.7	5763.0	5727.4	5656.1	5542.8	5368.0
7.5°	5510.4	5526.6	5685.3	6022.0	6297.2	6459.1	6553.0	6533.5	6407.3	6190.3	5840.7
10°	5847.2	5866.6	6077.0	6488.2	6812.0	6977.1	7116.3	7129.3	6990.0	6701.9	6300.4
12.5°	6174.2	6193.6	6413.7	6808.7	7093.6	7161.6	7284.7	7333.2	7297.6	7093.6	6676.0
15°	6527.1	6572.4	6760.2	7054.8	7174.6	7093.6	7174.6	7262.0	7381.8	7362.4	6986.8
17.5°	6873.5	6905.9	7096.9	7200.5	7067.7	6857.3	6896.1	6999.7	7271.7	7537.2	7294.4
20°	7194.0	7239.3	7398.0	7262.0	6860.5	6533.5	6536.8	6672.7	7087.2	7644.0	7608.4
22.5°	7530.7	7598.7	7712.0	7330.0	6669.5	6277.8	6293.9	6417.0	6941.5	7744.4	7964.6
25°	7971.0	8035.8	8110.3	7498.3	6608.0	6151.5	6213.0	6326.3	6941.5	7916.0	8404.9
27.5°	8566.8	8612.1	8615.3	7812.4	6714.8	6170.9	6300.4	6429.9	7148.7	8259.2	8994.1
30°	9314.6	9385.9	9292.0	8301.3	7048.3	6429.9	6620.9	6782.8	7595.5	8838.7	9861.8
32.5°	10224.4	10324.8	10198.5	9026.5	7744.4	7323.5	7669.9	7763.8	8307.7	9677.3	10846.0
35°	11292.8	11377.0	11241.0	10030.2	9369.7	9447.4	10075.5	9955.7	9738.8	10710.1	11995.4
37.5°	12464.9	12542.6	12280.3	11551.8	11772.0	12108.7	13112.4	12701.2	12001.9	12040.7	13241.9
40°	13539.8	13623.9	13212.8	13206.3	13659.5	14274.7	15485.6	14919.0	13967.1	13782.6	14410.7
42.5°	14653.5	14711.8	14339.4	14086.9	15116.5	16382.4	17664.5	16900.4	15268.6	15067.9	15874.1
45°	16243.2	16366.2	15702.5	14520.8	16427.7	18807.4	20594.5	19102.0	16155.8	15993.9	18114.5
47.5°	18580.7	18671.4	17318.1	14792.7	17648.3	21828.1	24256.3	21957.6	16936.0	16566.9	21177.3
50°	20513.6	20575.1	18804.1	15090.6	18946.6	25085.1	28429.6	25344.1	17813.4	17515.6	24036.1
52.5°	21938.2	22171.3	20756.4	15702.5	20652.8	28915.2	33049.7	29355.6	19182.9	19348.1	26406.1
55°	22232.8	22550.1	22090.3	16078.0	22155.1	32816.6	37316.9	32946.1	20549.2	20737.0	27202.5
57.5°	19539.1	19791.6	20173.6	14562.8	22119.5	34603.7	39793.7	34137.5	19927.6	18596.9	24220.7
60°	14637.3	14812.1	15505.0	11131.0	20342.0	33023.8	37864.0	32110.8	17424.9	14190.5	18454.5
62.5°	8680.1	8757.8	9635.2	7210.2	16884.2	28439.3	31401.7	27707.6	13769.6	9544.5	11302.6
65°	3331.5	3299.1	3969.3	3558.2	12416.3	22653.7	23356.2	21122.3	9447.4	4374.0	4309.3
67.5°	514.8	492.1	663.7	1052.2	8955.3	15699.2	15411.1	15223.3	5918.4	1019.9	890.3
70°	116.6	116.6	142.5	310.8	5471.6	9224.0	9871.5	9411.8	3788.0	216.9	116.6
72.5°	55.0	55.0	68.0	132.7	1981.4	3801.0	4429.1	4361.1	1230.3	71.2	42.1
75°	19.4	22.7	22.7	29.1	119.8	197.5	453.3	323.8	77.7	0.0	0.0
77.5°	6.5	6.5	6.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	3.2	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°	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8
2.5°	4707.5	4684.8	4600.7	4487.3	4377.3	4280.1	4179.8	4060.0	3972.6	3872.2	3839.8
5°	5232.0	5089.5	4859.7	4620.1	4399.9	4212.2	4030.8	3836.6	3694.1	3551.7	3503.1
7.5°	5675.6	5465.1	5092.8	4733.4	4432.3	4166.8	3904.6	3639.1	3431.9	3263.5	3211.7
10°	6073.8	5831.0	5332.4	4888.8	4510.0	4202.4	3885.2	3551.7	3283.0	3082.2	3033.7
12.5°	6417.0	6135.3	5536.3	5005.4	4542.4	4189.5	3881.9	3616.4	3373.6	3143.7	3082.2
15°	6705.1	6394.3	5707.9	5083.1	4493.8	4027.6	3758.9	3716.8	3697.4	3444.8	3325.0
17.5°	6986.8	6637.1	5847.2	5118.7	4357.8	3742.7	3548.4	3739.5	3943.4	3778.3	3626.1
20°	7281.4	6883.2	5989.6	5125.2	4131.2	3422.2	3389.8	3690.9	3949.9	3898.1	3755.6
22.5°	7627.8	7190.8	6167.7	5121.9	3846.3	3150.2	3273.2	3597.0	3807.4	3804.2	3690.9
25°	8129.7	7579.3	6407.3	5141.3	3535.5	2939.8	3143.7	3438.4	3610.0	3603.5	3509.6
27.5°	8667.1	8042.3	6718.1	5189.9	3270.0	2816.7	2991.6	3221.4	3370.4	3363.9	3283.0
30°	9421.5	8576.5	7015.9	5193.2	3079.0	2752.0	2823.2	2981.9	3124.3	3108.1	3046.6
32.5°	10337.7	9178.7	7265.2	5008.6	2959.2	2690.5	2648.4	2729.3	2839.4	2816.7	2800.5
35°	11445.0	9894.2	7478.9	4603.9	2774.6	2567.4	2454.1	2470.3	2548.0	2561.0	2554.5
37.5°	12707.7	10745.7	7744.4	4069.7	2525.3	2389.4	2237.2	2224.2	2269.6	2311.7	2344.0
40°	13954.2	11704.0	8103.8	3529.0	2298.7	2162.7	2017.0	1984.7	2004.1	2078.6	2146.5
42.5°	15356.1	12814.5	8492.3	3066.0	2143.3	1913.4	1774.2	1712.7	1767.7	1887.5	1968.5
45°	17376.3	14371.8	8871.1	2696.9	2078.6	1693.3	1505.5	1499.0	1560.5	1715.9	1806.6
47.5°	20212.5	16385.6	9120.4	2408.8	2075.3	1521.7	1298.3	1337.1	1408.4	1560.5	1664.1
50°	22977.4	18907.7	8845.2	2188.6	2007.3	1408.4	1142.9	1220.6	1291.8	1424.6	1531.4
52.5°	24644.8	20264.3	7773.5	1981.4	1796.9	1356.6	990.7	1126.7	1139.6	1259.4	1372.8
55°	24470.0	19386.9	5954.0	1660.9	1486.1	1282.1	832.1	1016.6	1023.1	1113.7	1210.9
57.5°	21238.8	16644.6	4089.1	1346.9	1117.0	1058.7	686.4	858.0	919.5	974.5	1045.8
60°	15828.8	12144.3	1822.8	1094.3	709.0	715.5	586.0	647.5	741.4	806.2	867.7
62.5°	9327.6	6986.8	741.4	657.2	391.8	450.0	472.7	472.7	531.0	579.5	618.4
65°	3525.8	2444.4	301.1	330.2	204.0	210.4	278.4	343.2	388.5	430.6	482.4
67.5°	618.4	427.4	155.4	123.0	119.8	106.8	142.5	223.4	249.3	281.7	304.3
70°	103.6	87.4	64.8	61.5	55.0	58.3	93.9	158.6	174.8	184.5	194.3
72.5°	29.1	25.9	19.4	16.2	13.0	16.2	58.3	123.0	129.5	136.0	145.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	22.7	87.4	93.9	97.1	106.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.4	25.9	32.4	25.9
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°	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8
2.5°	3820.4	3755.6	3720.0	3700.6	3700.6	3674.7	3645.6	3635.9	3677.9	3677.9	3749.2
5°	3441.6	3389.8	3331.5	3295.9	3240.9	3250.6	3218.2	3215.0	3257.1	3276.5	3350.9
7.5°	3179.3	3114.6	3079.0	3056.3	3027.2	3014.2	2985.1	2975.4	2998.0	3030.4	3101.6
10°	3004.5	2994.8	2991.6	3007.8	3007.8	2991.6	2965.7	2949.5	2956.0	3017.5	3098.4
12.5°	3049.8	3069.3	3075.7	3101.6	3114.6	3101.6	3082.2	3088.7	3130.8	3244.1	3363.9
15°	3247.3	3231.2	3224.7	3237.6	3247.3	3234.4	3227.9	3276.5	3422.2	3584.1	3720.0
17.5°	3457.8	3354.2	3308.9	3308.9	3315.3	3308.9	3315.3	3409.2	3645.6	3807.4	3907.8
20°	3564.6	3373.6	3302.4	3286.2	3299.1	3302.4	3325.0	3431.9	3690.9	3804.2	3826.9
22.5°	3532.2	3292.7	3211.7	3198.8	3211.7	3224.7	3247.3	3338.0	3580.8	3639.1	3629.4
25°	3370.4	3134.0	3069.3	3069.3	3098.4	3095.2	3104.9	3169.6	3370.4	3406.0	3389.8
27.5°	3166.4	2943.0	2888.0	2920.3	2946.2	2939.8	2943.0	2998.0	3147.0	3156.7	3140.5
30°	2959.2	2764.9	2713.1	2752.0	2787.6	2781.1	2784.4	2839.4	2933.3	2923.6	2900.9
32.5°	2748.7	2606.3	2567.4	2590.1	2645.1	2638.7	2651.6	2709.9	2745.5	2703.4	2677.5
35°	2554.5	2480.0	2450.9	2463.8	2505.9	2515.6	2538.3	2577.1	2577.1	2525.3	2480.0
37.5°	2373.2	2363.5	2344.0	2327.9	2366.7	2395.8	2428.2	2473.5	2408.8	2334.3	2292.2
40°	2204.8	2246.9	2221.0	2178.9	2201.6	2243.7	2308.4	2344.0	2266.3	2191.9	2120.6
42.5°	2049.4	2120.6	2110.9	2059.1	2078.6	2117.4	2191.9	2221.0	2130.4	2046.2	1978.2
45°	1900.5	2000.9	2007.3	1942.6	1962.0	2000.9	2088.3	2098.0	1981.4	1890.8	1842.2
47.5°	1771.0	1881.1	1884.3	1835.7	1842.2	1897.2	1978.2	1981.4	1848.7	1764.5	1703.0
50°	1648.0	1774.2	1783.9	1741.8	1748.3	1813.1	1881.1	1868.1	1725.7	1638.2	1583.2
52.5°	1499.0	1670.6	1693.3	1673.9	1699.8	1751.6	1793.6	1748.3	1583.2	1495.8	1447.2
55°	1337.1	1560.5	1609.1	1596.1	1625.3	1667.4	1677.1	1648.0	1440.7	1353.3	1308.0
57.5°	1149.4	1285.3	1369.5	1343.6	1366.3	1408.4	1437.5	1414.8	1259.4	1191.4	1152.6
60°	951.9	1042.5	1061.9	1019.9	1000.4	1074.9	1142.9	1113.7	981.0	938.9	893.6
62.5°	696.1	799.7	812.6	757.6	734.9	815.9	874.2	845.0	699.3	654.0	618.4
65°	556.9	654.0	679.9	628.1	615.1	676.7	712.3	641.0	537.4	488.9	450.0
67.5°	365.9	443.6	511.5	508.3	482.4	501.8	475.9	417.7	343.2	317.3	291.4
70°	226.6	272.0	314.0	330.2	327.0	320.5	284.9	242.8	220.2	210.4	197.5
72.5°	174.8	220.2	252.5	262.2	265.5	255.8	226.6	187.8	165.1	152.2	142.5
75°	129.5	165.1	191.0	204.0	210.4	204.0	174.8	148.9	126.3	116.6	106.8
77.5°	45.3	55.0	68.0	74.5	71.2	68.0	61.5	61.5	48.6	45.3	38.9
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



REPORT NUMBER: P643323

CATALOG NUMBER: GWS-SA6E-760-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8	4234.8
2.5°	3830.1	3888.4	3995.2	4092.4	4196.0	4302.8	4419.4	4539.2	4594.2	4587.7
5°	3464.3	3590.5	3765.4	3956.4	4170.1	4399.9	4655.7	4918.0	5031.3	5079.8
7.5°	3234.4	3412.5	3642.3	3885.2	4166.8	4493.8	4879.1	5290.3	5455.4	5510.4
10°	3263.5	3470.7	3661.8	3898.1	4199.2	4623.3	5102.5	5591.4	5785.6	5847.2
12.5°	3499.9	3545.2	3597.0	3791.3	4170.1	4720.5	5306.5	5889.2	6112.6	6174.2
15°	3713.6	3503.1	3406.0	3584.1	4066.5	4788.4	5513.7	6209.8	6455.8	6527.1
17.5°	3723.3	3406.0	3189.1	3328.3	3898.1	4817.6	5717.6	6536.8	6805.5	6873.5
20°	3603.5	3299.1	3020.7	3023.9	3668.2	4811.1	5886.0	6831.4	7132.5	7194.0
22.5°	3428.6	3172.9	2884.7	2784.4	3422.2	4798.2	6070.5	7145.4	7472.4	7530.7
25°	3234.4	3011.0	2755.2	2603.1	3176.1	4811.1	6329.6	7556.6	7916.0	7971.0
27.5°	3023.9	2832.9	2654.9	2531.8	2968.9	4859.7	6640.4	8081.1	8508.5	8566.8
30°	2803.8	2661.3	2590.1	2515.6	2839.4	4872.6	6977.1	8693.0	9233.7	9314.6
32.5°	2586.9	2509.2	2512.4	2525.3	2716.4	4782.0	7284.7	9372.9	10094.9	10224.4
35°	2386.1	2363.5	2428.2	2493.0	2538.3	4548.9	7553.4	10175.9	11160.1	11292.8
37.5°	2214.5	2234.0	2314.9	2379.7	2344.0	4218.6	7909.5	11179.5	12351.5	12464.9
40°	2049.4	2098.0	2191.9	2221.0	2195.1	3833.3	8336.9	12147.6	13384.3	13539.8
42.5°	1897.2	1932.9	2065.6	2072.1	2153.0	3441.6	8748.1	13190.1	14572.6	14653.5
45°	1774.2	1767.7	1903.7	1945.8	2208.1	3007.8	9149.5	14579.0	16126.6	16243.2
47.5°	1654.4	1648.0	1680.3	1871.3	2230.7	2606.3	9547.8	16612.3	18380.0	18580.7
50°	1541.1	1550.8	1450.5	1835.7	2107.7	2298.7	9729.1	18493.3	20429.4	20513.6
52.5°	1440.7	1405.1	1230.3	1719.2	1845.4	2007.3	9214.3	19348.1	21698.6	21938.2
55°	1298.3	1100.8	1013.4	1395.4	1456.9	1751.6	7546.9	18852.7	21808.6	22232.8
57.5°	1110.5	864.4	861.2	1029.6	1029.6	1625.3	4833.8	16107.2	18794.4	19539.1
60°	854.7	670.2	712.3	715.5	660.5	1185.0	2713.1	11668.4	13895.9	14637.3
62.5°	608.7	511.5	537.4	427.4	378.8	592.5	1301.5	6718.1	8576.5	8680.1
65°	407.9	346.4	281.7	236.3	233.1	252.5	537.4	2428.2	2952.7	3331.5
67.5°	268.7	210.4	148.9	148.9	168.4	168.4	204.0	401.5	563.3	514.8
70°	174.8	145.7	93.9	90.7	110.1	110.1	103.6	110.1	116.6	116.6
72.5°	129.5	110.1	55.0	48.6	61.5	64.8	58.3	55.0	55.0	55.0
75°	97.1	77.7	32.4	22.7	29.1	38.9	32.4	22.7	22.7	19.4
77.5°	38.9	29.1	13.0	9.7	16.2	22.7	19.4	9.7	6.5	6.5
80°	3.2	6.5	6.5	6.5	9.7	13.0	16.2	6.5	3.2	3.2
82.5°	0.0	3.2	3.2	3.2	6.5	9.7	13.0	6.5	3.2	3.2
85°	0.0	0.0	0.0	0.0	6.5	9.7	6.5	3.2	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	3.2	9.7	6.5	3.2	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)