

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: P638370

Luminaire Tested: GWS-SA4E-760-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P638370  
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-SA4E-760-U-SLL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (64) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

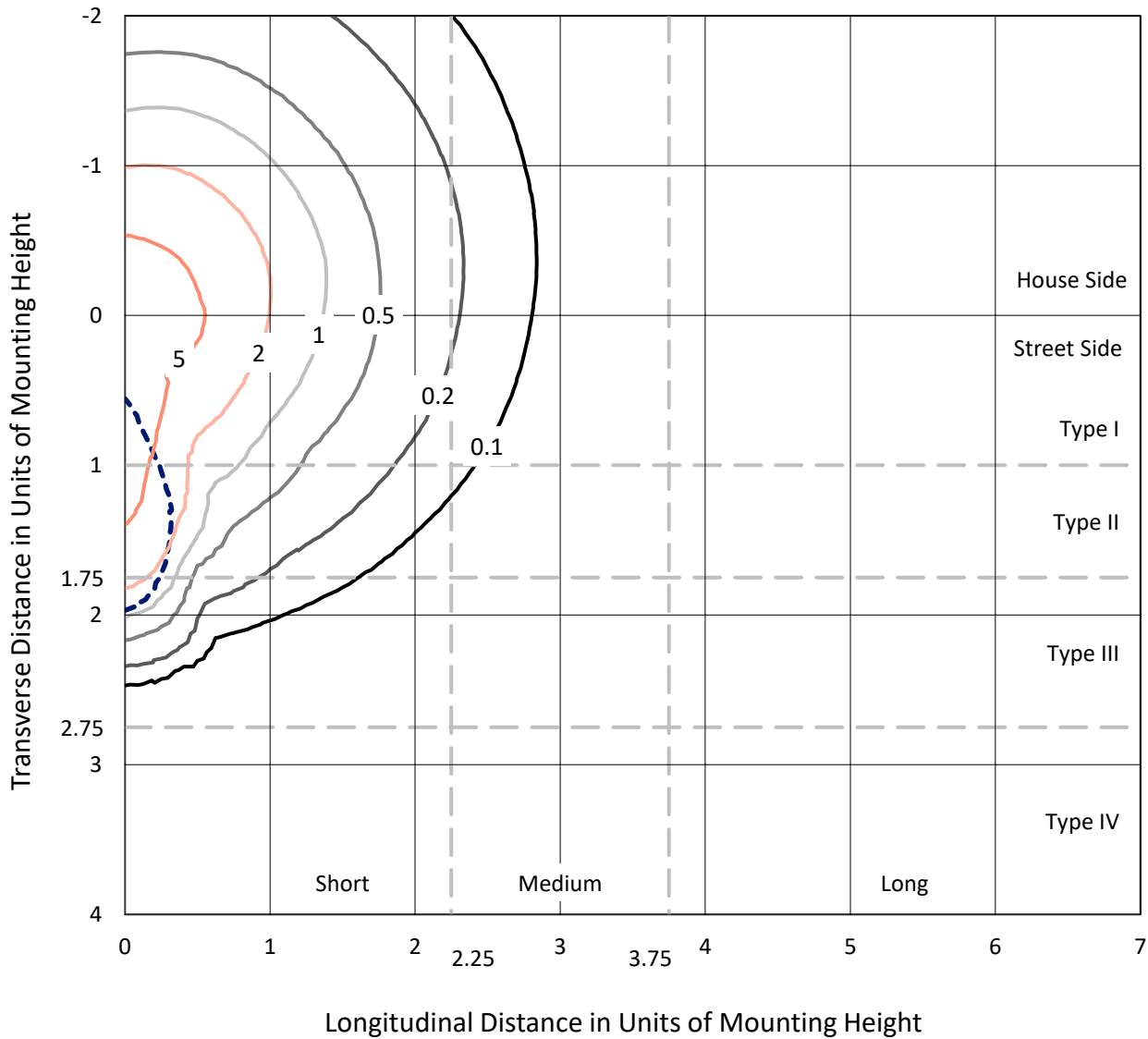
Lumens per Lamp: N/A  
Luminaire Lumens: 24032.4 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 202.6  
Input Voltage (V): 120  
Input Current (Ain): 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

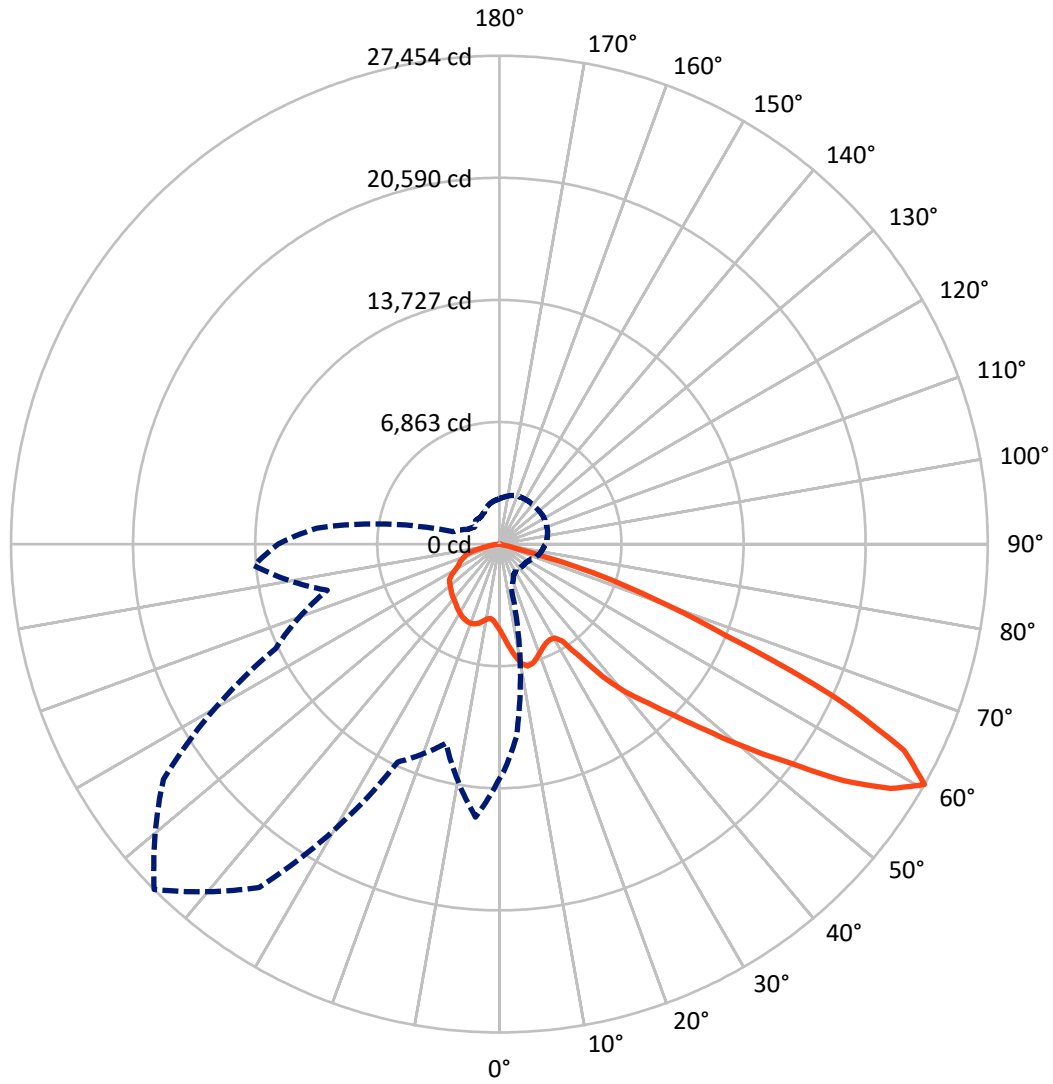
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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

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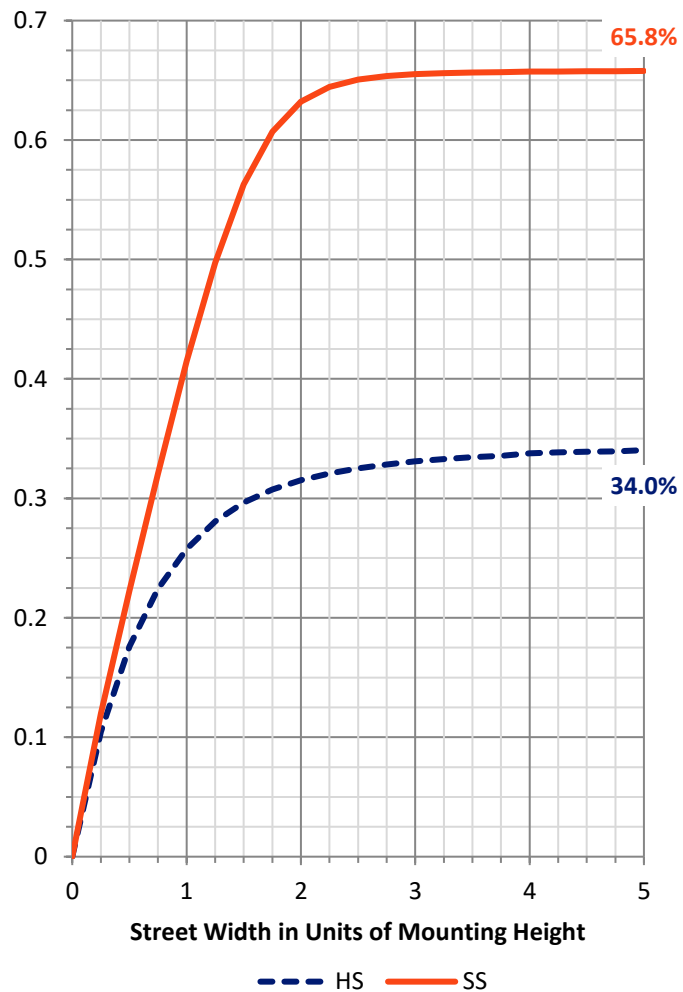
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8221.3	0.0	8221.3
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	15811.1	0.0	15811.1
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	24032.4	0.0	24032.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	473.6	2.0
10°-20°	1518.9	6.3
20°-30°	2473.7	10.3
30°-40°	3475.1	14.5
40°-50°	4755.3	19.8
50°-60°	6100.7	25.4
60°-70°	4108.0	17.1
70°-80°	1027.0	4.3
80°-90°	100.1	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°	24032.4	100.0
0°-180°	24032.4	100.0

**Coefficient of Utilization**



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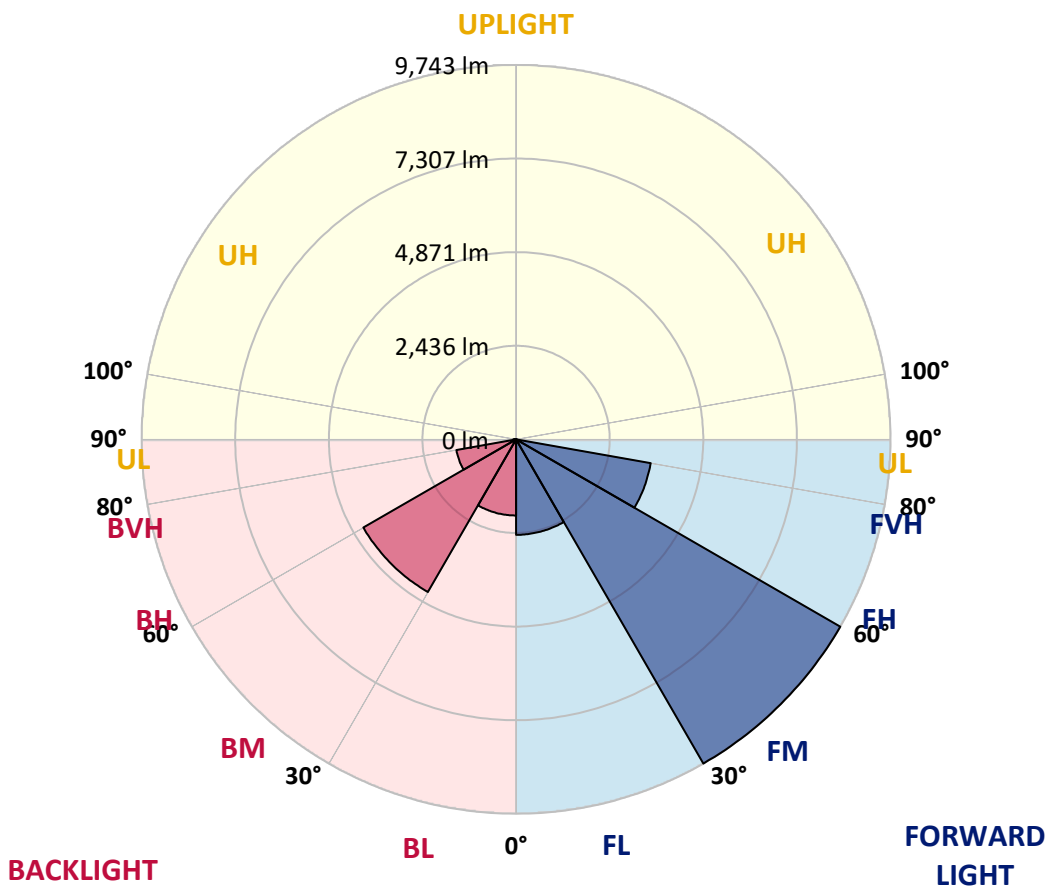
CATALOG NUMBER: GWS-SA4E-760-U-SLL-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2484.4	10.3			
FM (30°-60°)	9742.9	40.5			
FH (60°-80°)	3557.8	14.8			G2/5000
FVH (80°-90°)	26.0	0.1			G1/100
BL (0°-30°)	1981.8	8.2	B3/2500		
BM (30°-60°)	4588.1	19.1	B3/5000		
BH (60°-80°)	1577.2	6.6	B3/2500		G3/2500
BVH (80°-90°)	74.1	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1
2.5°	5128.2	5117.1	5106.0	5019.7	4997.6	4935.6	4891.3	4836.0	4756.3	4712.1	4674.4
5°	5449.1	5431.4	5371.6	5194.6	5079.5	4953.3	4849.3	4734.2	4612.5	4532.8	4470.8
7.5°	5752.3	5747.9	5646.1	5353.9	5168.0	4986.5	4844.9	4676.7	4501.8	4382.3	4302.6
10°	6033.4	6000.2	5878.5	5497.8	5254.3	5046.3	4893.6	4707.6	4504.0	4342.5	4236.2
12.5°	6281.3	6239.2	6071.0	5630.6	5329.6	5072.8	4906.8	4754.1	4619.1	4484.1	4362.4
15°	6484.9	6434.0	6263.6	5754.5	5396.0	5057.3	4824.9	4705.4	4751.9	4811.7	4676.7
17.5°	6675.2	6622.1	6414.1	5845.3	5415.9	4962.2	4623.5	4572.6	4807.2	5079.5	5017.5
20°	6834.6	6774.8	6533.6	5889.5	5380.5	4780.7	4362.4	4450.9	4760.8	5086.1	5185.7
22.5°	7007.2	6958.5	6668.6	5953.7	5336.2	4530.6	4143.3	4360.2	4681.1	4966.6	5117.1
25°	7283.9	7224.1	6878.9	6066.6	5314.1	4296.0	3986.1	4271.6	4570.4	4829.4	4946.7
27.5°	7684.5	7573.8	7166.6	6263.6	5338.4	4074.6	3886.5	4163.2	4442.0	4663.4	4758.5
30°	8120.5	7987.7	7485.3	6467.2	5373.8	3939.6	3833.4	4039.2	4245.1	4466.4	4570.4
32.5°	8636.2	8518.9	7826.2	6619.9	5298.6	3877.7	3793.6	3904.2	4068.0	4245.1	4331.4
35°	9251.5	9041.2	8198.0	6743.9	5055.1	3786.9	3758.1	3755.9	3842.3	4014.9	4112.3
37.5°	9913.3	9687.5	8656.1	6876.7	4676.7	3643.1	3674.0	3581.1	3660.8	3798.0	3908.6
40°	10455.5	10218.7	9118.7	7058.1	4203.0	3417.3	3488.1	3388.5	3437.2	3578.9	3702.8
42.5°	10986.7	10734.4	9550.3	7264.0	3744.9	3196.0	3231.4	3193.8	3209.3	3357.5	3530.2
45°	11683.9	11400.6	10081.5	7410.1	3333.2	3021.1	2987.9	2923.7	3005.6	3198.2	3381.9
47.5°	12848.1	12509.4	10951.3	7505.2	3034.4	2921.5	2768.8	2731.2	2833.0	3047.7	3238.0
50°	14209.2	13917.1	12341.2	7500.8	2810.9	2837.4	2556.3	2523.1	2691.3	2908.2	3109.7
52.5°	15324.7	15028.2	13529.8	7279.5	2627.2	2658.1	2432.4	2339.4	2569.6	2771.0	2972.4
55°	16225.5	15891.3	14076.5	6354.3	2394.8	2372.6	2297.4	2127.0	2416.9	2633.8	2821.9
57.5°	15740.8	15342.4	13414.7	4831.6	2155.7	2016.3	2065.0	1938.8	2208.9	2481.1	2662.6
60°	13197.8	12839.2	10898.2	2571.8	1896.8	1684.3	1786.1	1806.0	1980.9	2297.4	2483.3
62.5°	9065.6	8804.4	7385.7	1560.4	1496.2	1352.3	1511.7	1655.5	1786.1	2053.9	2215.5
65°	4435.4	4357.9	3694.0	1000.4	1046.9	1093.4	1252.7	1427.6	1620.1	1854.7	2025.1
67.5°	1221.7	1230.6	1119.9	781.3	825.6	953.9	1080.1	1219.5	1412.1	1629.0	1801.6
70°	537.8	546.7	564.4	602.0	686.1	803.4	934.0	1077.9	1254.9	1436.4	1602.4
72.5°	374.0	382.9	409.5	458.1	533.4	644.1	768.0	905.2	1088.9	1241.6	1378.9
75°	230.2	236.8	261.2	303.2	354.1	438.2	560.0	686.1	847.7	987.1	1108.9
77.5°	121.7	117.3	132.8	161.6	205.8	250.1	332.0	411.7	526.8	639.6	741.4
80°	66.4	64.2	73.0	88.5	101.8	137.2	192.6	245.7	312.1	376.3	431.6
82.5°	28.8	26.6	28.8	37.6	46.5	66.4	97.4	135.0	172.6	216.9	252.3
85°	0.0	0.0	0.0	2.2	11.1	17.7	33.2	48.7	70.8	97.4	119.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	19.9
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°	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1
2.5°	4652.3	4597.0	4592.6	4548.3	4552.7	4554.9	4510.7	4493.0	4508.4	4526.2	4517.3
5°	4448.7	4391.1	4366.8	4324.7	4320.3	4300.4	4282.7	4260.6	4276.1	4291.5	4300.4
7.5°	4271.6	4234.0	4218.5	4207.4	4211.9	4203.0	4167.6	4147.7	4145.5	4152.1	4161.0
10°	4214.1	4183.1	4203.0	4234.0	4256.1	4271.6	4234.0	4200.8	4169.8	4156.5	4156.5
12.5°	4338.0	4298.2	4338.0	4371.2	4415.5	4426.6	4384.5	4349.1	4338.0	4351.3	4377.9
15°	4612.5	4519.5	4517.3	4537.2	4572.6	4590.3	4550.5	4532.8	4532.8	4616.9	4683.3
17.5°	4886.9	4734.2	4670.0	4659.0	4681.1	4687.7	4654.5	4639.0	4678.9	4842.7	4966.6
20°	5079.5	4893.6	4754.1	4727.6	4734.2	4736.4	4709.9	4698.8	4756.3	4955.5	5059.6
22.5°	5059.6	4922.3	4751.9	4718.7	4729.8	4725.3	4701.0	4696.6	4743.1	4915.7	4964.4
25°	4922.3	4816.1	4672.2	4650.1	4667.8	4665.6	4641.2	4630.2	4650.1	4765.2	4769.6
27.5°	4765.2	4672.2	4548.3	4541.6	4570.4	4585.9	4543.9	4510.7	4504.0	4581.5	4563.8
30°	4577.1	4508.4	4408.9	4413.3	4466.4	4475.2	4424.3	4375.7	4362.4	4404.4	4380.1
32.5°	4353.5	4331.4	4278.3	4289.3	4340.2	4357.9	4304.8	4253.9	4238.4	4251.7	4200.8
35°	4163.2	4154.3	4158.8	4178.7	4222.9	4236.2	4191.9	4152.1	4130.0	4083.5	4017.1
37.5°	3966.2	3990.5	4054.7	4092.4	4116.7	4112.3	4087.9	4059.2	4023.7	3937.4	3855.5
40°	3782.5	3844.5	3959.6	4001.6	4010.5	4012.7	3995.0	3970.6	3926.4	3811.3	3718.3
42.5°	3640.8	3709.5	3862.2	3926.4	3930.8	3935.2	3917.5	3897.6	3835.6	3682.9	3592.2
45°	3492.6	3583.3	3762.6	3840.0	3835.6	3833.4	3817.9	3809.1	3736.0	3559.0	3459.4
47.5°	3366.4	3472.6	3665.2	3731.6	3729.4	3727.2	3716.1	3716.1	3643.1	3450.5	3337.6
50°	3242.5	3364.2	3565.6	3620.9	3625.3	3620.9	3616.5	3623.1	3536.8	3331.0	3220.3
52.5°	3107.4	3244.7	3454.9	3505.8	3532.4	3543.5	3543.5	3528.0	3426.2	3211.5	3089.7
55°	2959.2	3089.7	3333.2	3401.8	3423.9	3443.9	3443.9	3412.9	3317.7	3100.8	2970.2
57.5°	2775.5	2890.5	3083.1	3151.7	3204.8	3218.1	3218.1	3167.2	3089.7	2881.7	2775.5
60°	2576.3	2675.9	2806.4	2879.5	2919.3	2892.8	2912.7	2899.4	2837.4	2644.9	2556.3
62.5°	2310.7	2412.5	2556.3	2631.6	2649.3	2622.7	2649.3	2647.1	2563.0	2390.3	2284.1
65°	2120.3	2219.9	2361.6	2459.0	2487.7	2481.1	2498.8	2472.2	2368.2	2204.4	2102.6
67.5°	1894.6	2000.8	2164.6	2273.0	2332.8	2339.4	2363.8	2308.4	2202.2	2022.9	1894.6
70°	1679.9	1770.6	1896.8	1998.6	2082.7	2124.7	2129.2	2049.5	1916.7	1768.4	1675.5
72.5°	1454.1	1547.1	1699.8	1810.5	1916.7	1965.4	1965.4	1868.0	1724.1	1560.4	1460.8
75°	1179.7	1266.0	1405.4	1524.9	1646.7	1708.7	1706.4	1622.3	1463.0	1308.0	1204.0
77.5°	799.0	863.2	951.7	1042.5	1060.2	1108.9	1133.2	1027.0	938.4	854.3	761.4
80°	464.8	504.6	553.3	604.2	615.3	630.8	590.9	551.1	504.6	449.3	407.2
82.5°	272.2	298.8	323.1	363.0	369.6	374.0	338.6	320.9	283.3	250.1	223.5
85°	132.8	141.6	163.8	183.7	174.8	170.4	154.9	137.2	121.7	108.5	95.2
87.5°	26.6	26.6	39.8	37.6	31.0	26.6	15.5	19.9	4.4	4.4	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°	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1
2.5°	4546.1	4583.7	4630.2	4692.2	4763.0	4838.2	4911.3	4966.6	5021.9	5103.8	5090.5
5°	4313.7	4377.9	4450.9	4546.1	4661.2	4791.7	4937.8	5083.9	5241.0	5373.8	5431.4
7.5°	4178.7	4249.5	4335.8	4459.8	4608.0	4767.4	4973.2	5210.1	5464.6	5639.4	5747.9
10°	4178.7	4269.4	4382.3	4501.8	4632.4	4796.2	5050.7	5347.3	5674.8	5905.0	6031.2
12.5°	4419.9	4510.7	4535.0	4530.6	4603.6	4785.1	5112.7	5491.1	5882.9	6126.4	6281.3
15°	4796.2	4827.2	4643.5	4475.2	4486.3	4705.4	5141.4	5606.2	6062.2	6354.3	6522.5
17.5°	5048.5	4966.6	4639.0	4344.7	4282.7	4570.4	5141.4	5716.9	6252.5	6582.3	6739.4
20°	5068.4	4864.8	4526.2	4218.5	4059.2	4391.1	5106.0	5801.0	6436.2	6801.4	6969.6
22.5°	4893.6	4692.2	4406.6	4110.1	3875.5	4174.2	5048.5	5865.2	6593.4	7007.2	7215.3
25°	4694.4	4526.2	4284.9	3999.4	3749.3	3955.1	4995.4	5973.6	6812.5	7286.1	7496.4
27.5°	4499.6	4357.9	4138.8	3906.4	3678.5	3764.8	4962.2	6133.0	7073.6	7682.3	7863.8
30°	4309.3	4180.9	3981.7	3817.9	3640.8	3640.8	4933.4	6316.7	7418.9	8127.2	8308.6
32.5°	4116.7	3995.0	3833.4	3731.6	3618.7	3592.2	4853.7	6489.3	7775.2	8614.1	8800.0
35°	3937.4	3815.7	3691.7	3649.7	3607.6	3554.5	4656.7	6624.3	8122.7	9182.9	9342.2
37.5°	3769.2	3651.9	3559.0	3547.9	3552.3	3452.7	4346.9	6737.2	8556.5	9765.0	9849.1
40°	3623.1	3492.6	3419.5	3417.3	3439.4	3288.9	3955.1	6898.8	9052.3	10258.5	10223.1
42.5°	3492.6	3355.3	3266.8	3286.7	3273.4	3125.1	3572.2	7047.1	9483.9	10721.1	10650.3
45°	3364.2	3231.4	3107.4	3136.2	3120.7	3023.3	3246.9	7155.5	9962.0	11276.7	11285.5
47.5°	3240.2	3109.7	2985.7	2950.3	2948.1	2992.4	2996.8	7190.9	10741.0	12170.8	11969.4
50°	3125.1	2994.6	2866.2	2746.7	2793.2	2930.4	2810.9	7164.4	11907.4	13157.9	12595.8
52.5°	3005.6	2881.7	2740.0	2525.4	2647.1	2782.1	2644.9	7069.2	12620.1	14030.0	13693.6
55°	2868.4	2751.1	2558.5	2297.4	2445.7	2474.4	2474.4	6148.5	12923.3	14893.2	15101.2
57.5°	2684.7	2529.8	2224.3	2014.1	2146.9	2036.2	2293.0	4302.6	12423.1	14620.9	15428.8
60°	2476.7	2310.7	1987.5	1837.0	1876.9	1682.1	1954.3	2698.0	10296.2	12440.8	13839.6
62.5°	2202.2	2049.5	1781.7	1664.4	1582.5	1372.2	1573.6	1706.4	7058.1	9238.2	10192.1
65°	2018.5	1850.3	1611.3	1456.3	1288.1	1104.4	1044.7	1119.9	3795.8	5170.2	5814.3
67.5°	1801.6	1635.6	1409.9	1215.1	1080.1	947.3	843.3	816.7	1301.4	1721.9	1863.6
70°	1595.8	1436.4	1248.3	1066.8	931.8	801.2	699.4	626.4	602.0	597.6	588.7
72.5°	1385.5	1237.2	1080.1	911.9	763.6	644.1	553.3	469.2	433.8	422.7	411.7
75°	1135.4	1018.1	861.0	679.5	560.0	449.3	378.5	323.1	292.2	281.1	267.8
77.5°	730.4	677.3	540.0	438.2	338.6	267.8	230.2	194.8	174.8	170.4	159.4
80°	389.5	363.0	298.8	252.3	201.4	163.8	143.9	123.9	112.9	108.5	104.0
82.5°	216.9	197.0	166.0	146.1	117.3	99.6	88.5	79.7	73.0	70.8	68.6
85°	97.4	84.1	66.4	62.0	55.3	50.9	48.7	44.3	42.1	39.8	37.6
87.5°	4.4	8.9	11.1	8.9	8.9	13.3	15.5	15.5	13.3	13.3	11.1
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: P638370  
 CATALOG NUMBER: GWS-SA4E-760-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1	4847.1
2.5°	5172.4	5238.8	5245.5	5267.6	5238.8	5232.2	5185.7	5159.2	5134.8	5128.2
5°	5575.2	5708.0	5761.2	5798.8	5763.4	5745.7	5643.9	5537.6	5477.9	5449.1
7.5°	5989.1	6188.3	6292.4	6338.8	6343.3	6263.6	6088.7	5889.5	5789.9	5752.3
10°	6358.7	6604.4	6741.6	6830.2	6799.2	6701.8	6462.8	6192.8	6066.6	6033.4
12.5°	6633.2	6867.8	6974.0	7031.6	7029.4	6976.3	6750.5	6458.3	6314.5	6281.3
15°	6810.3	6949.7	6956.3	6969.6	7007.2	7078.1	6960.8	6690.7	6531.4	6484.9
17.5°	6949.7	6894.4	6790.3	6754.9	6839.0	7036.0	7106.8	6887.7	6715.1	6675.2
20°	7038.2	6759.4	6575.7	6507.0	6604.4	6925.3	7195.4	7064.8	6885.5	6834.6
22.5°	7106.8	6633.2	6336.6	6290.1	6391.9	6805.8	7286.1	7275.0	7078.1	7007.2
25°	7215.3	6549.1	6168.4	6135.2	6230.4	6748.3	7407.8	7560.6	7385.7	7283.9
27.5°	7385.7	6540.2	6082.1	6071.0	6201.6	6799.2	7582.7	7978.9	7759.8	7684.5
30°	7622.5	6624.3	6102.0	6124.1	6283.5	6982.9	7854.9	8456.9	8237.8	8120.5
32.5°	7963.4	6850.1	6405.2	6500.4	6617.7	7277.3	8253.3	8974.8	8808.8	8636.2
35°	8412.7	7469.8	7301.6	7706.6	7596.0	7921.3	8733.6	9603.4	9402.0	9251.5
37.5°	9012.5	8740.2	8895.2	9452.9	9185.1	9138.6	9320.1	10174.4	10063.8	9913.3
40°	9853.5	9908.8	10194.4	10927.0	10539.6	10240.8	10039.4	10603.8	10641.4	10455.5
42.5°	10411.3	10665.8	11354.1	12186.3	11652.9	10938.0	10641.4	11152.7	11154.9	10986.7
45°	10619.3	11285.5	12724.1	13682.5	12790.5	11336.4	10973.4	11898.6	11876.5	11683.9
47.5°	10544.1	11807.8	14147.3	15612.5	14251.3	11619.7	10927.0	12961.0	13140.2	12848.1
50°	10386.9	12332.4	15809.4	17976.2	16044.1	11920.7	10856.1	14138.4	14435.0	14209.2
52.5°	10546.3	12916.7	17774.8	20419.7	18292.7	12401.0	11334.2	15650.1	15597.0	15324.7
55°	11050.9	13607.2	20163.0	23489.5	20762.8	13213.3	12562.6	17090.9	16550.9	16225.5
57.5°	11026.6	14100.8	22256.7	25917.5	22911.9	13879.5	12989.7	17243.7	16152.5	15740.8
60°	10008.4	13875.0	23053.5	27453.5	23560.3	13512.1	11584.3	15402.2	13629.4	13197.8
62.5°	7469.8	12312.5	21508.6	25530.2	21725.5	11670.6	8711.5	11055.3	9793.8	9065.6
65°	4778.5	9632.2	18082.5	20683.1	17907.6	8926.2	5187.9	5927.2	4643.5	4435.4
67.5°	2034.0	6799.2	14056.5	13824.1	13397.0	5783.3	2003.0	1668.8	1243.9	1221.7
70°	672.8	4625.8	8665.0	9220.5	8001.0	3983.9	661.8	560.0	557.7	537.8
72.5°	440.4	2483.3	4878.1	5431.4	5148.1	2293.0	400.6	374.0	382.9	374.0
75°	263.4	540.0	821.1	1066.8	821.1	385.1	241.2	236.8	241.2	230.2
77.5°	154.9	150.5	146.1	146.1	143.9	132.8	121.7	117.3	119.5	121.7
80°	99.6	95.2	90.7	88.5	77.5	73.0	68.6	64.2	64.2	66.4
82.5°	64.2	59.8	55.3	48.7	39.8	33.2	31.0	26.6	26.6	28.8
85°	33.2	26.6	19.9	15.5	8.9	4.4	0.0	0.0	0.0	0.0
87.5°	6.6	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)