

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: P638975

Luminaire Tested: GWS-SA4F-830-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P638975  
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-SA4F-830-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) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

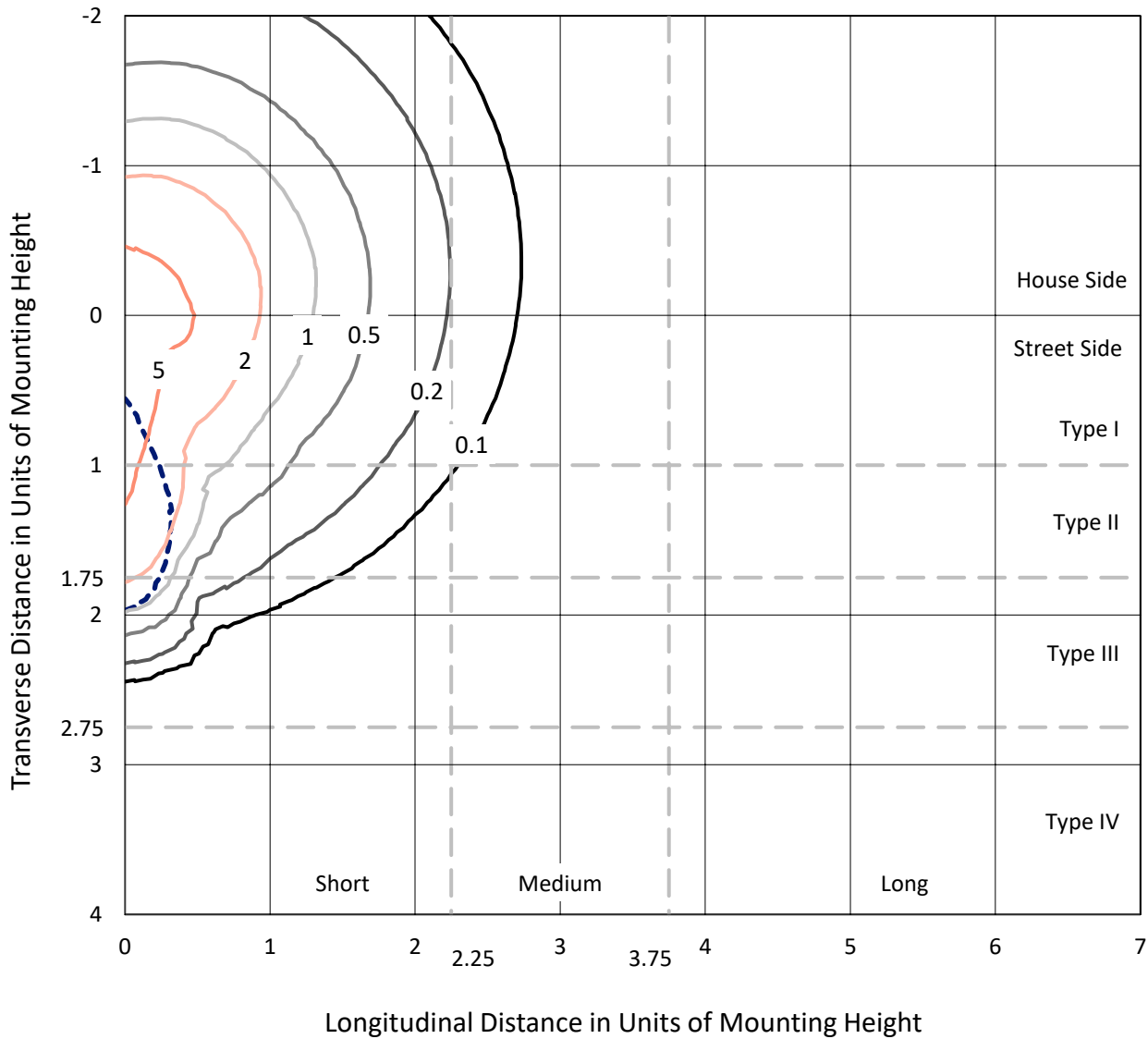
Lumens per Lamp: N/A  
Luminaire Lumens: 21038.6 lumens  
Efficiency: N/A  
Efficacy: 93.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 225.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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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 CATALOG NUMBER: GWS-SA4F-830-U-SLL-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

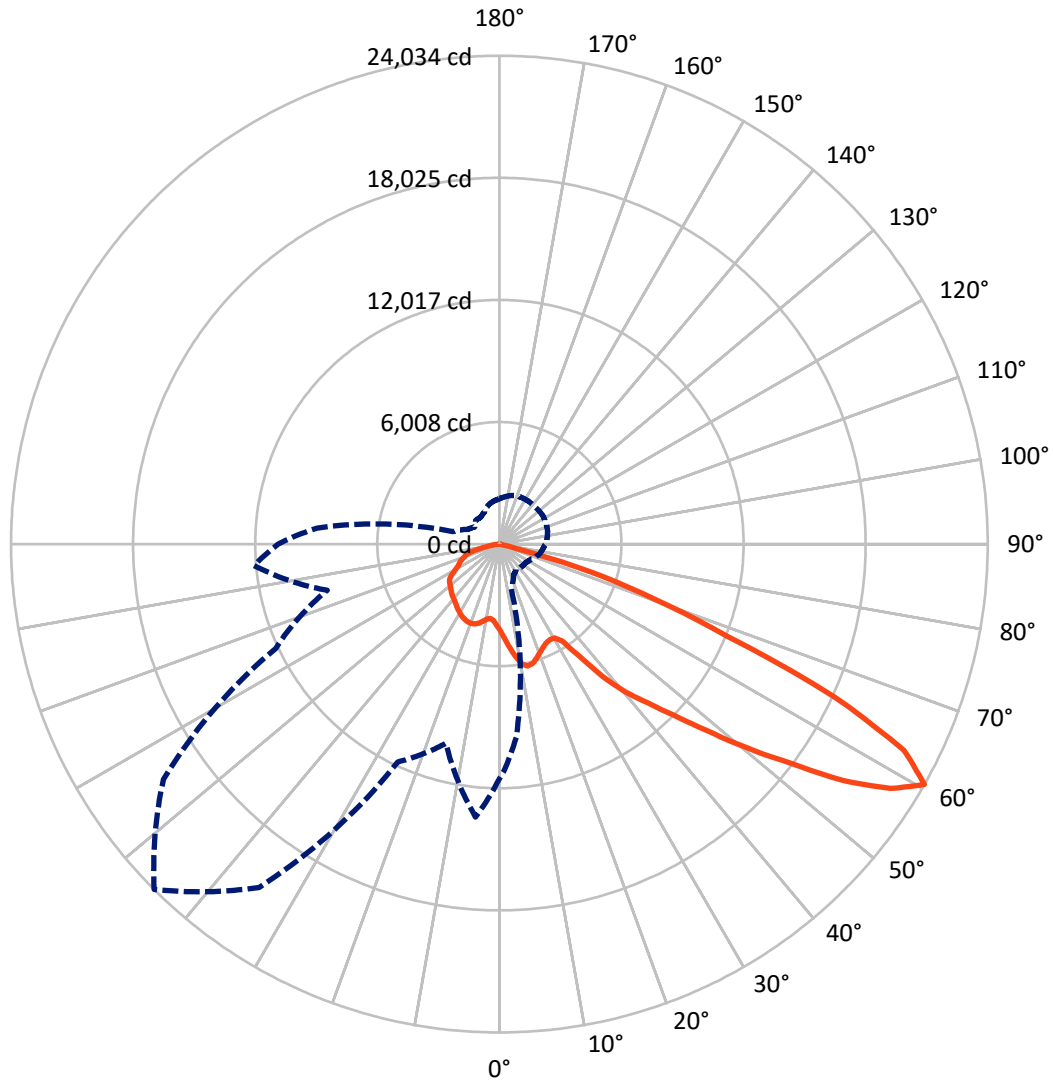
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc  
 Type III - Short - N/A

REPORT NUMBER: P638975  
CATALOG NUMBER: GWS-SA4F-830-U-SLL-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P638975

CATALOG NUMBER: GWS-SA4F-830-U-SLL-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7197.1	0.0	7197.1
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	13841.5	0.0	13841.5
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	21038.6	0.0	21038.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	414.6	2.0
10°-20°	1329.7	6.3
20°-30°	2165.6	10.3
30°-40°	3042.2	14.5
40°-50°	4162.9	19.8
50°-60°	5340.7	25.4
60°-70°	3596.2	17.1
70°-80°	899.1	4.3
80°-90°	87.7	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°	21038.6	100.0
0°-180°	21038.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P638975

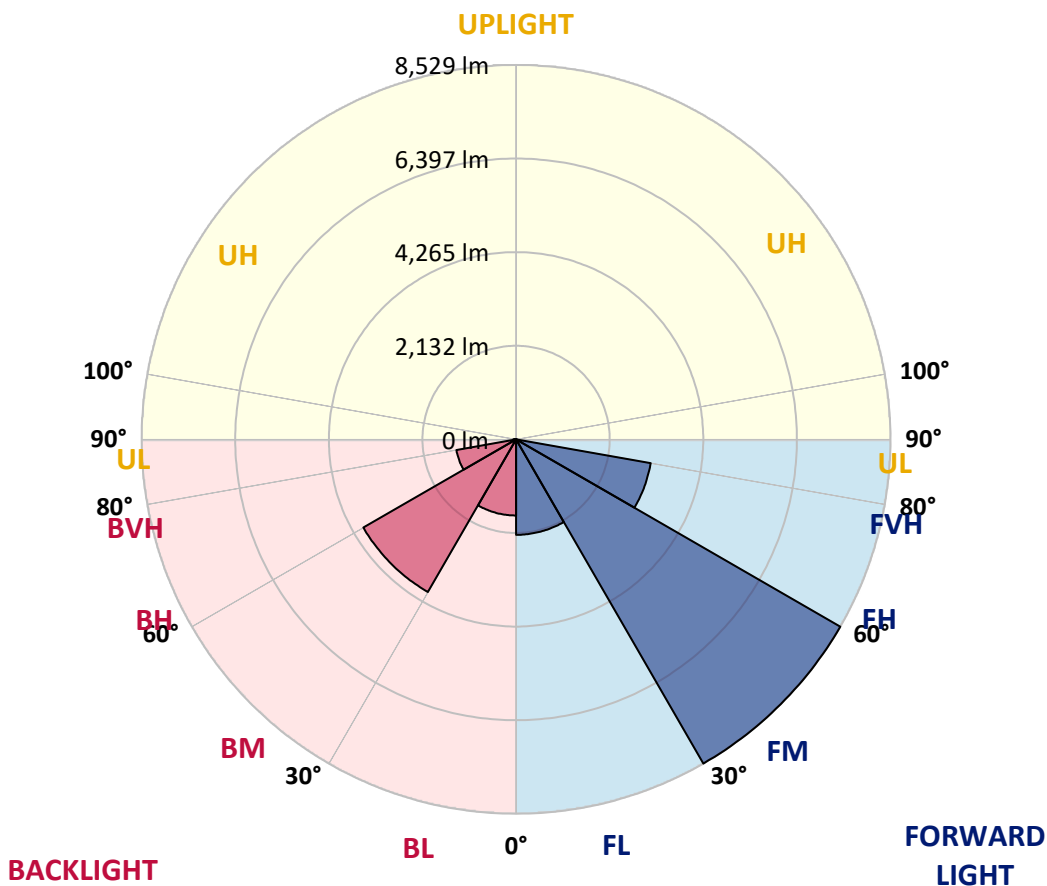
CATALOG NUMBER: GWS-SA4F-830-U-SLL-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2174.9	10.3			
FM (30°-60°)	8529.2	40.5			
FH (60°-80°)	3114.6	14.8			G2/5000
FVH (80°-90°)	22.8	0.1			G1/100
BL (0°-30°)	1734.9	8.2	B3/2500		
BM (30°-60°)	4016.6	19.1	B3/5000		
BH (60°-80°)	1380.7	6.6	B3/2500		G3/2500
BVH (80°-90°)	64.9	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: P638975

CATALOG NUMBER: GWS-SA4F-830-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3
2.5°	4489.3	4479.6	4470.0	4394.4	4375.0	4320.8	4282.0	4233.6	4163.8	4125.1	4092.1
5°	4770.3	4754.8	4702.5	4547.5	4446.7	4336.3	4245.2	4144.4	4037.9	3968.1	3913.9
7.5°	5035.7	5031.8	4942.7	4687.0	4524.2	4365.3	4241.3	4094.1	3941.0	3836.4	3766.6
10°	5281.8	5252.7	5146.2	4812.9	4599.8	4417.6	4284.0	4121.2	3942.9	3801.5	3708.5
12.5°	5498.8	5462.0	5314.7	4929.2	4665.7	4440.9	4295.6	4161.9	4043.7	3925.5	3818.9
15°	5677.1	5632.5	5483.3	5037.7	4723.8	4427.3	4223.9	4119.3	4159.9	4212.3	4094.1
17.5°	5843.7	5797.2	5615.1	5117.1	4741.2	4344.0	4047.6	4003.0	4208.4	4446.7	4392.5
20°	5983.2	5930.9	5719.7	5155.9	4710.2	4185.1	3818.9	3896.4	4167.7	4452.5	4539.7
22.5°	6134.3	6091.7	5837.9	5212.0	4671.5	3966.2	3627.1	3817.0	4097.9	4347.9	4479.6
25°	6376.5	6324.2	6021.9	5310.9	4652.1	3760.8	3489.6	3739.5	4001.1	4227.8	4330.5
27.5°	6727.2	6630.3	6273.8	5483.3	4673.4	3567.1	3402.4	3644.6	3888.7	4082.4	4165.8
30°	7108.9	6992.7	6552.8	5661.6	4704.4	3448.9	3355.9	3536.1	3716.2	3910.0	4001.1
32.5°	7560.4	7457.7	6851.2	5795.2	4638.5	3394.6	3321.0	3417.9	3561.2	3716.2	3791.8
35°	8099.0	7914.9	7176.7	5903.8	4425.4	3315.2	3290.0	3288.0	3363.6	3514.7	3600.0
37.5°	8678.3	8480.7	7577.8	6020.0	4094.1	3189.2	3216.4	3135.0	3204.7	3324.9	3421.7
40°	9153.0	8945.7	7982.8	6178.9	3679.4	2991.6	3053.6	2966.4	3009.0	3133.0	3241.5
42.5°	9618.1	9397.2	8360.6	6359.1	3278.4	2797.8	2828.8	2795.9	2809.5	2939.3	3090.4
45°	10228.4	9980.4	8825.6	6487.0	2918.0	2644.8	2615.7	2559.5	2631.2	2799.8	2960.6
47.5°	11247.6	10951.1	9587.1	6570.3	2656.4	2557.6	2423.9	2391.0	2480.1	2668.0	2834.7
50°	12439.2	12183.4	10803.8	6566.4	2460.7	2484.0	2237.9	2208.8	2356.1	2546.0	2722.3
52.5°	13415.7	13156.0	11844.3	6372.6	2299.9	2327.0	2129.4	2048.0	2249.5	2425.8	2602.1
55°	14204.3	13911.7	12322.9	5562.7	2096.4	2077.1	2011.2	1862.0	2115.8	2305.7	2470.4
57.5°	13779.9	13431.2	11743.6	4229.7	1887.2	1765.1	1807.7	1697.3	1933.7	2172.0	2330.9
60°	11553.7	11239.8	9540.6	2251.4	1660.5	1474.5	1563.6	1581.1	1734.1	2011.2	2173.9
62.5°	7936.3	7707.6	6465.6	1366.0	1309.8	1183.9	1323.4	1449.3	1563.6	1798.1	1939.5
65°	3882.9	3815.1	3233.8	875.8	916.5	957.2	1096.7	1249.7	1418.3	1623.7	1772.9
67.5°	1069.5	1077.3	980.4	684.0	722.7	835.1	945.5	1067.6	1236.2	1426.0	1577.2
70°	470.8	478.6	494.1	527.0	600.6	703.3	817.7	943.6	1098.6	1257.5	1402.8
72.5°	327.4	335.2	358.4	401.1	467.0	563.8	672.3	792.5	953.3	1087.0	1207.1
75°	201.5	207.3	228.6	265.4	310.0	383.6	490.2	600.6	742.1	864.2	970.7
77.5°	106.6	102.7	116.3	141.4	180.2	218.9	290.6	360.4	461.1	560.0	649.1
80°	58.1	56.2	63.9	77.5	89.1	120.1	168.6	215.1	273.2	329.4	377.8
82.5°	25.2	23.3	25.2	32.9	40.7	58.1	85.3	118.2	151.1	189.9	220.9
85°	0.0	0.0	0.0	1.9	9.7	15.5	29.1	42.6	62.0	85.3	104.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	17.4
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: P638975

CATALOG NUMBER: GWS-SA4F-830-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3
2.5°	4072.8	4024.3	4020.4	3981.7	3985.6	3987.5	3948.8	3933.3	3946.8	3962.3	3954.6
5°	3894.5	3844.1	3822.8	3786.0	3782.1	3764.7	3749.2	3729.8	3743.4	3756.9	3764.7
7.5°	3739.5	3706.6	3693.0	3683.3	3687.2	3679.4	3648.4	3631.0	3629.1	3634.9	3642.6
10°	3689.1	3662.0	3679.4	3706.6	3725.9	3739.5	3706.6	3677.5	3650.4	3638.7	3638.7
12.5°	3797.6	3762.7	3797.6	3826.7	3865.4	3875.1	3838.3	3807.3	3797.6	3809.2	3832.5
15°	4037.9	3956.5	3954.6	3972.0	4003.0	4018.5	3983.6	3968.1	3968.1	4041.8	4099.9
17.5°	4278.1	4144.4	4088.3	4078.6	4097.9	4103.8	4074.7	4061.1	4096.0	4239.4	4347.9
20°	4446.7	4284.0	4161.9	4138.6	4144.4	4146.4	4123.1	4113.4	4163.8	4338.2	4429.3
22.5°	4429.3	4309.1	4159.9	4130.9	4140.6	4136.7	4115.4	4111.5	4152.2	4303.3	4346.0
25°	4309.1	4216.1	4090.2	4070.8	4086.3	4084.4	4063.1	4053.4	4070.8	4171.6	4175.4
27.5°	4171.6	4090.2	3981.7	3975.9	4001.1	4014.6	3977.8	3948.8	3942.9	4010.8	3995.3
30°	4006.9	3946.8	3859.6	3863.5	3910.0	3917.8	3873.2	3830.6	3818.9	3855.7	3834.4
32.5°	3811.2	3791.8	3745.3	3755.0	3799.6	3815.1	3768.6	3724.0	3710.4	3722.1	3677.5
35°	3644.6	3636.8	3640.7	3658.1	3696.9	3708.5	3669.7	3634.9	3615.5	3574.8	3516.7
37.5°	3472.1	3493.4	3549.6	3582.6	3603.9	3600.0	3578.7	3553.5	3522.5	3446.9	3375.2
40°	3311.3	3365.5	3466.3	3503.1	3510.9	3512.8	3497.3	3476.0	3437.2	3336.5	3255.1
42.5°	3187.3	3247.4	3381.0	3437.2	3441.1	3445.0	3429.5	3412.0	3357.8	3224.1	3144.7
45°	3057.5	3136.9	3293.9	3361.7	3357.8	3355.9	3342.3	3334.5	3270.6	3115.6	3028.4
47.5°	2947.0	3040.0	3208.6	3266.7	3264.8	3262.9	3253.2	3253.2	3189.2	3020.7	2921.8
50°	2838.5	2945.1	3121.4	3169.9	3173.7	3169.9	3166.0	3171.8	3096.2	2916.0	2819.2
52.5°	2720.3	2840.5	3024.5	3069.1	3092.3	3102.0	3102.0	3088.5	2999.3	2811.4	2704.8
55°	2590.5	2704.8	2918.0	2978.0	2997.4	3014.8	3014.8	2987.7	2904.4	2714.5	2600.2
57.5°	2429.7	2530.5	2699.0	2759.1	2805.6	2817.2	2817.2	2772.7	2704.8	2522.7	2429.7
60°	2255.3	2342.5	2456.8	2520.8	2555.6	2532.4	2549.8	2538.2	2484.0	2315.4	2237.9
62.5°	2022.8	2111.9	2237.9	2303.8	2319.3	2296.0	2319.3	2317.3	2243.7	2092.6	1999.6
65°	1856.2	1943.4	2067.4	2152.6	2177.8	2172.0	2187.5	2164.3	2073.2	1929.8	1840.7
67.5°	1658.6	1751.6	1894.9	1989.9	2042.2	2048.0	2069.3	2020.9	1927.9	1770.9	1658.6
70°	1470.6	1550.1	1660.5	1749.6	1823.2	1860.1	1863.9	1794.2	1677.9	1548.1	1466.7
72.5°	1273.0	1354.4	1488.0	1584.9	1677.9	1720.6	1720.6	1635.3	1509.4	1366.0	1278.8
75°	1032.7	1108.3	1230.4	1335.0	1441.5	1495.8	1493.9	1420.2	1280.7	1145.1	1054.0
77.5°	699.5	755.6	833.2	912.6	928.1	970.7	992.0	899.0	821.5	747.9	666.5
80°	406.9	441.8	484.4	529.0	538.6	552.2	517.3	482.5	441.8	393.3	356.5
82.5°	238.3	261.6	282.9	317.8	323.6	327.4	296.4	280.9	248.0	218.9	195.7
85°	116.3	124.0	143.4	160.8	153.1	149.2	135.6	120.1	106.6	94.9	83.3
87.5°	23.3	23.3	34.9	32.9	27.1	23.3	13.6	17.4	3.9	3.9	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°	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3
2.5°	3979.8	4012.7	4053.4	4107.6	4169.6	4235.5	4299.5	4347.9	4396.3	4468.0	4456.4
5°	3776.3	3832.5	3896.4	3979.8	4080.5	4194.8	4322.7	4450.6	4588.1	4704.4	4754.8
7.5°	3658.1	3720.1	3795.7	3904.2	4034.0	4173.5	4353.7	4561.0	4783.8	4936.9	5031.8
10°	3658.1	3737.6	3836.4	3941.0	4055.3	4198.7	4421.5	4681.2	4967.9	5169.4	5279.9
12.5°	3869.3	3948.8	3970.1	3966.2	4030.1	4189.0	4475.8	4807.1	5150.0	5363.2	5498.8
15°	4198.7	4225.8	4065.0	3917.8	3927.4	4119.3	4501.0	4907.8	5307.0	5562.7	5710.0
17.5°	4419.6	4347.9	4061.1	3803.4	3749.2	4001.1	4501.0	5004.7	5473.6	5762.3	5899.9
20°	4437.0	4258.8	3962.3	3693.0	3553.5	3844.1	4470.0	5078.4	5634.4	5954.1	6101.4
22.5°	4284.0	4107.6	3857.7	3598.1	3392.7	3654.2	4419.6	5134.5	5772.0	6134.3	6316.5
25°	4109.6	3962.3	3751.1	3501.2	3282.2	3462.4	4373.1	5229.5	5963.8	6378.5	6562.5
27.5°	3939.1	3815.1	3623.2	3419.8	3220.2	3295.8	4344.0	5369.0	6192.4	6725.3	6884.2
30°	3772.4	3660.1	3485.7	3342.3	3187.3	3187.3	4318.8	5529.8	6494.7	7114.7	7273.6
32.5°	3603.9	3497.3	3355.9	3266.7	3167.9	3144.7	4249.1	5680.9	6806.7	7541.0	7703.7
35°	3446.9	3340.4	3231.9	3195.0	3158.2	3111.7	4076.6	5799.1	7110.9	8038.9	8178.5
37.5°	3299.7	3197.0	3115.6	3105.9	3109.8	3022.6	3805.4	5897.9	7490.6	8548.5	8622.2
40°	3171.8	3057.5	2993.5	2991.6	3011.0	2879.2	3462.4	6039.4	7924.6	8980.6	8949.6
42.5°	3057.5	2937.3	2859.8	2877.3	2865.7	2735.8	3127.2	6169.2	8302.5	9385.6	9323.6
45°	2945.1	2828.8	2720.3	2745.5	2732.0	2646.7	2842.4	6264.1	8721.0	9871.9	9879.6
47.5°	2836.6	2722.3	2613.8	2582.8	2580.8	2619.6	2623.5	6295.1	9403.0	10654.7	10478.3
50°	2735.8	2621.5	2509.1	2404.5	2445.2	2565.3	2460.7	6271.9	10424.1	11518.8	11026.7
52.5°	2631.2	2522.7	2398.7	2210.8	2317.3	2435.5	2315.4	6188.6	11048.0	12282.2	11987.7
55°	2511.1	2408.4	2239.8	2011.2	2141.0	2166.2	2166.2	5382.5	11313.4	13037.9	13220.0
57.5°	2350.3	2214.6	1947.3	1763.2	1879.4	1782.6	2007.3	3766.6	10875.5	12799.5	13506.7
60°	2168.1	2022.8	1739.9	1608.2	1643.1	1472.5	1710.9	2361.9	9013.5	10891.0	12115.6
62.5°	1927.9	1794.2	1559.7	1457.0	1385.4	1201.3	1377.6	1493.9	6178.9	8087.4	8922.5
65°	1767.1	1619.8	1410.5	1274.9	1127.7	966.8	914.5	980.4	3322.9	4526.1	5090.0
67.5°	1577.2	1431.9	1234.2	1063.7	945.5	829.3	738.2	715.0	1139.3	1507.4	1631.4
70°	1397.0	1257.5	1092.8	933.9	815.7	701.4	612.3	548.3	527.0	523.1	515.4
72.5°	1212.9	1083.1	945.5	798.3	668.5	563.8	484.4	410.8	379.8	370.1	360.4
75°	994.0	891.3	753.7	594.8	490.2	393.3	331.3	282.9	255.8	246.1	234.4
77.5°	639.4	592.9	472.8	383.6	296.4	234.4	201.5	170.5	153.1	149.2	139.5
80°	341.0	317.8	261.6	220.9	176.3	143.4	125.9	108.5	98.8	94.9	91.1
82.5°	189.9	172.4	145.3	127.9	102.7	87.2	77.5	69.8	63.9	62.0	60.1
85°	85.3	73.6	58.1	54.3	48.4	44.6	42.6	38.8	36.8	34.9	32.9
87.5°	3.9	7.8	9.7	7.8	7.8	11.6	13.6	13.6	11.6	11.6	9.7
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: P638975

CATALOG NUMBER: GWS-SA4F-830-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3	4243.3
2.5°	4528.1	4586.2	4592.0	4611.4	4586.2	4580.4	4539.7	4516.5	4495.1	4489.3
5°	4880.7	4997.0	5043.5	5076.4	5045.4	5029.9	4940.8	4847.8	4795.5	4770.3
7.5°	5243.0	5417.4	5508.5	5549.2	5553.1	5483.3	5330.2	5155.9	5068.7	5035.7
10°	5566.6	5781.7	5901.8	5979.3	5952.2	5866.9	5657.7	5421.3	5310.9	5281.8
12.5°	5806.9	6012.3	6105.3	6155.6	6153.7	6107.2	5909.6	5653.8	5527.9	5498.8
15°	5961.9	6083.9	6089.8	6101.4	6134.3	6196.3	6093.6	5857.3	5717.7	5677.1
17.5°	6083.9	6035.5	5944.4	5913.4	5987.1	6159.5	6221.5	6029.7	5878.6	5843.7
20°	6161.4	5917.3	5756.5	5696.4	5781.7	6062.6	6299.0	6184.7	6027.8	5983.2
22.5°	6221.5	5806.9	5547.2	5506.6	5595.7	5958.0	6378.5	6368.8	6196.3	6134.3
25°	6316.5	5733.2	5400.0	5370.9	5454.2	5907.6	6485.0	6618.7	6465.6	6376.5
27.5°	6465.6	5725.5	5324.4	5314.7	5429.1	5952.2	6638.1	6984.9	6793.1	6727.2
30°	6673.0	5799.1	5341.9	5361.2	5500.7	6113.0	6876.4	7403.4	7211.6	7108.9
32.5°	6971.4	5996.8	5607.3	5690.6	5793.3	6370.7	7225.2	7856.8	7711.5	7560.4
35°	7364.7	6539.3	6392.0	6746.6	6649.7	6934.5	7645.6	8407.1	8230.8	8099.0
37.5°	7889.8	7651.4	7787.1	8275.3	8040.9	8000.2	8159.1	8907.0	8810.1	8678.3
40°	8626.0	8674.5	8924.4	9565.7	9226.7	8965.1	8788.8	9282.9	9315.8	9153.0
42.5°	9114.3	9337.1	9939.7	10668.2	10201.3	9575.4	9315.8	9763.4	9765.3	9618.1
45°	9296.4	9879.6	11139.0	11978.0	11197.2	9924.2	9606.4	10416.3	10397.0	10228.4
47.5°	9230.5	10336.9	12384.9	13667.6	12476.0	10172.2	9565.7	11346.4	11503.3	11247.6
50°	9093.0	10796.1	13840.0	15736.9	14045.4	10435.7	9503.7	12377.1	12636.8	12439.2
52.5°	9232.5	11307.6	15560.6	17876.0	16014.0	10856.2	9922.3	13700.5	13654.0	13415.7
55°	9674.2	11912.1	17651.2	20563.4	18176.3	11567.2	10997.6	14961.9	14489.1	14204.3
57.5°	9652.9	12344.2	19484.1	22688.9	20057.6	12150.5	11371.6	15095.5	14140.3	13779.9
60°	8761.7	12146.6	20181.7	24033.5	20625.4	11828.8	10141.2	13483.5	11931.5	11553.7
62.5°	6539.3	10778.7	18829.2	22349.8	19019.1	10216.8	7626.2	9678.1	8573.7	7936.3
65°	4183.2	8432.3	15829.9	18106.5	15676.8	7814.2	4541.6	5188.8	4065.0	3882.9
67.5°	1780.6	5952.2	12305.5	12102.0	11728.1	5062.9	1753.5	1460.9	1088.9	1069.5
70°	589.0	4049.5	7585.6	8071.9	7004.3	3487.6	579.3	490.2	488.3	470.8
72.5°	385.6	2173.9	4270.4	4754.8	4506.8	2007.3	350.7	327.4	335.2	327.4
75°	230.6	472.8	718.8	933.9	718.8	337.1	211.2	207.3	211.2	201.5
77.5°	135.6	131.8	127.9	127.9	125.9	116.3	106.6	102.7	104.6	106.6
80°	87.2	83.3	79.4	77.5	67.8	63.9	60.1	56.2	56.2	58.1
82.5°	56.2	52.3	48.4	42.6	34.9	29.1	27.1	23.3	23.3	25.2
85°	29.1	23.3	17.4	13.6	7.8	3.9	0.0	0.0	0.0	0.0
87.5°	5.8	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)