

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: P637875

Luminaire Tested: GWS-SA4D-760-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637875  
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-SA4D-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**

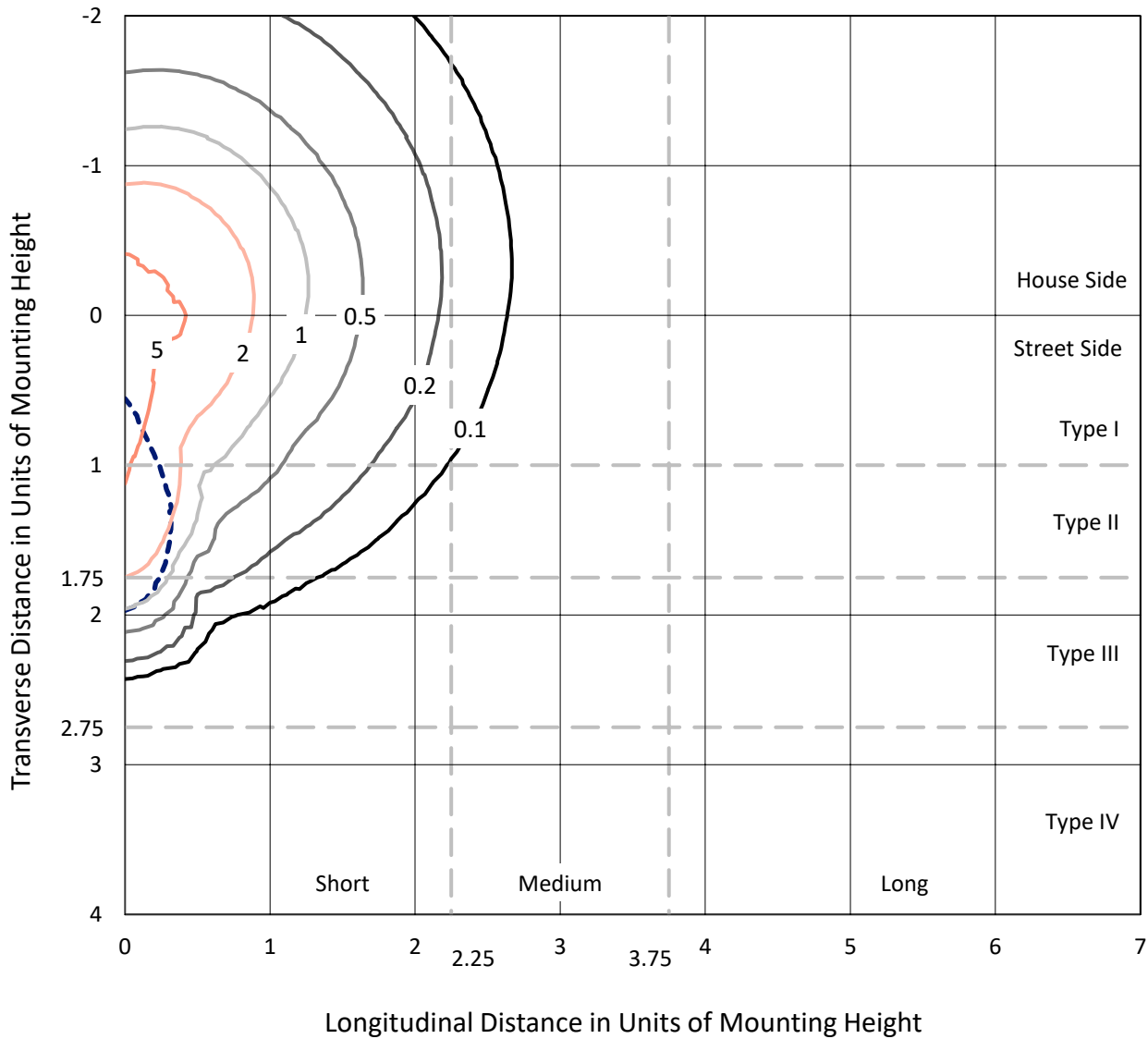
Lumens per Lamp: N/A  
Luminaire Lumens: 19231.3 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 162.1  
Input Voltage (V): 120  
Input Current (Ain): 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

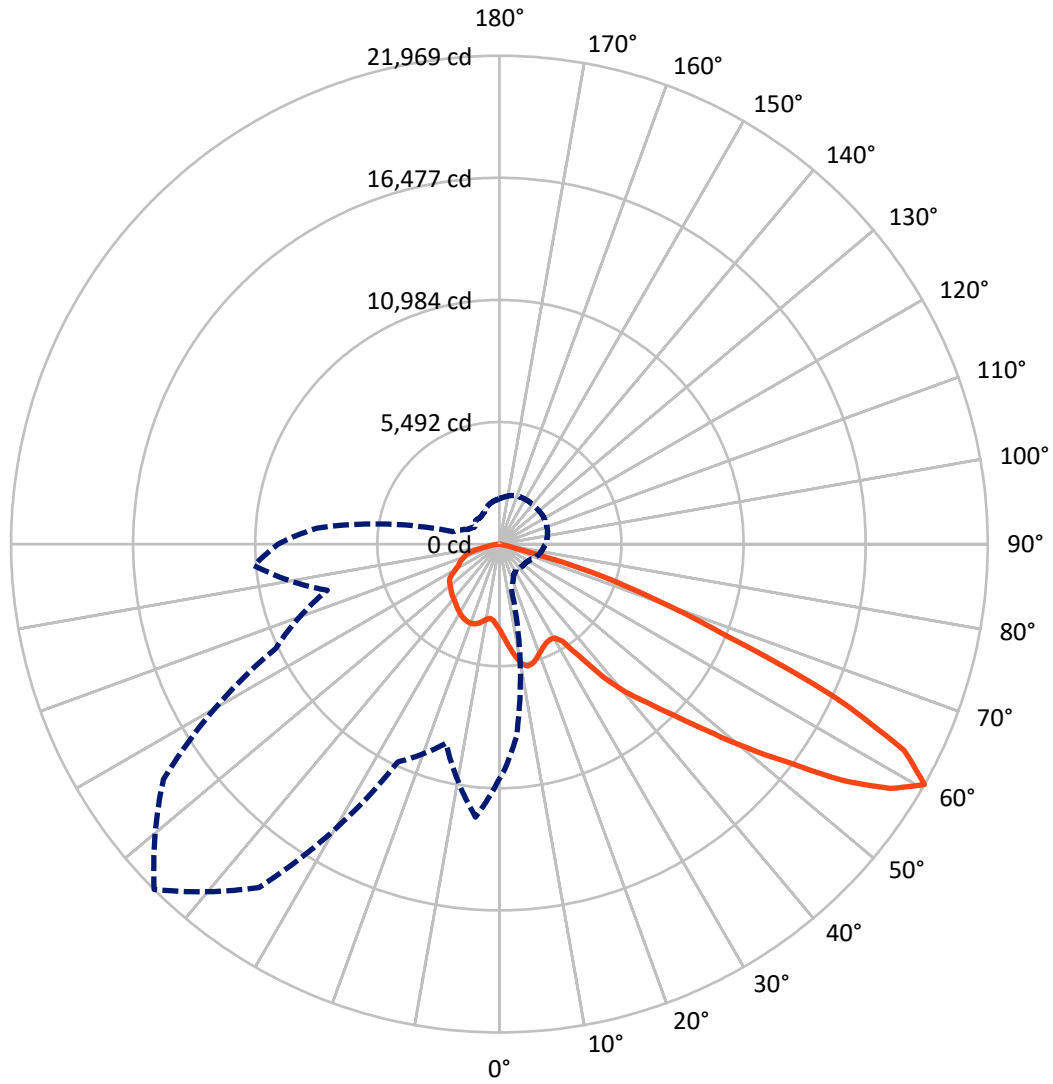
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	6578.9	0.0	6578.9
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	12652.4	0.0	12652.4
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	19231.3	0.0	19231.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	379.0	2.0
10°-20°	1215.5	6.3
20°-30°	1979.5	10.3
30°-40°	2780.8	14.5
40°-50°	3805.3	19.8
50°-60°	4882.0	25.4
60°-70°	3287.3	17.1
70°-80°	821.8	4.3
80°-90°	80.1	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°	19231.3	100.0
0°-180°	19231.3	100.0

**Coefficient of Utilization**



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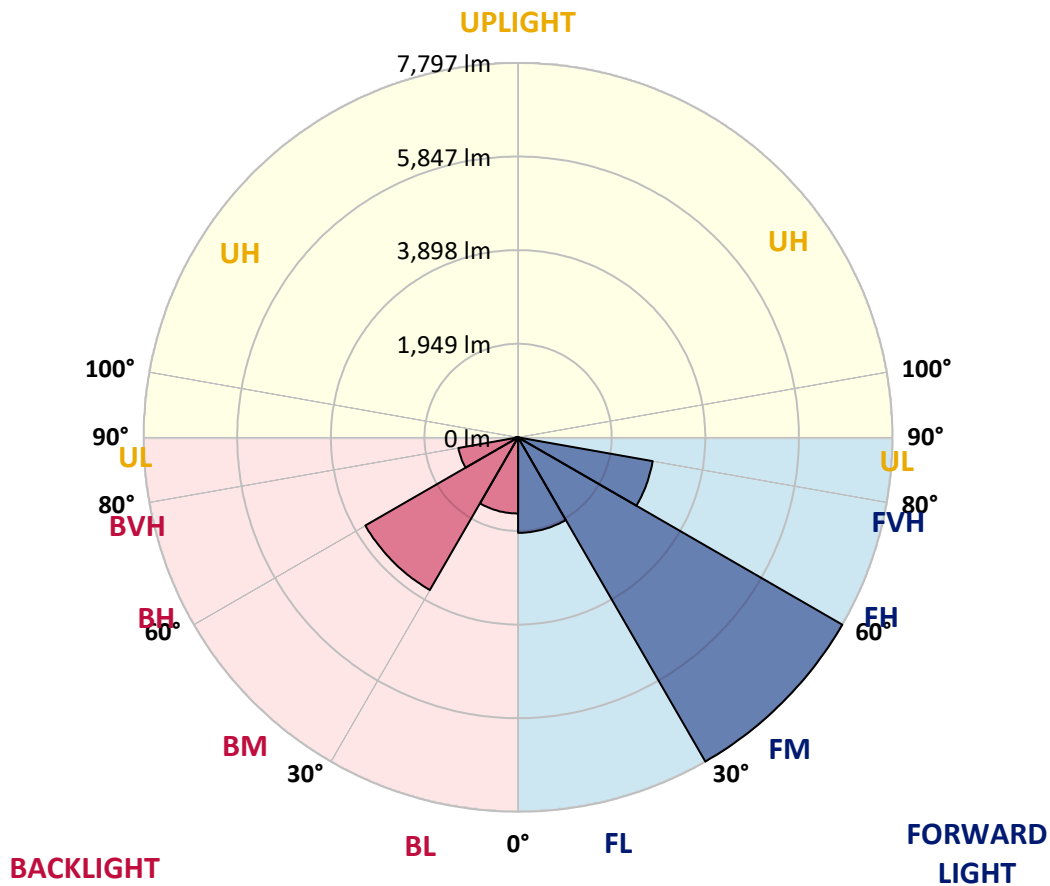
CATALOG NUMBER: GWS-SA4D-760-U-SLL-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1988.1	10.3			
FM (30°-60°)	7796.5	40.5			
FH (60°-80°)	2847.0	14.8			G2/5000
FVH (80°-90°)	20.8	0.1			G1/100
BL (0°-30°)	1585.9	8.2	B3/2500		
BM (30°-60°)	3671.5	19.1	B3/5000		
BH (60°-80°)	1262.1	6.6	B3/2500		G3/2500
BVH (80°-90°)	59.3	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°	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7
2.5°	4103.7	4094.8	4086.0	4016.9	3999.2	3949.6	3914.2	3869.9	3806.1	3770.7	3740.6
5°	4360.5	4346.3	4298.5	4156.8	4064.7	3963.8	3880.5	3788.4	3691.0	3627.3	3577.7
7.5°	4603.1	4599.6	4518.1	4284.3	4135.6	3990.3	3877.0	3742.4	3602.5	3506.8	3443.1
10°	4828.1	4801.5	4704.1	4399.5	4204.6	4038.1	3915.9	3767.2	3604.2	3474.9	3389.9
12.5°	5026.4	4992.8	4858.2	4505.7	4264.9	4059.4	3926.6	3804.4	3696.3	3588.3	3490.9
15°	5189.4	5148.6	5012.3	4604.9	4318.0	4047.0	3861.0	3765.4	3802.6	3850.4	3742.4
17.5°	5341.7	5299.2	5132.7	4677.5	4333.9	3970.8	3699.9	3659.1	3846.9	4064.7	4015.1
20°	5469.2	5421.4	5228.3	4712.9	4305.6	3825.6	3490.9	3561.7	3809.7	4070.0	4149.7
22.5°	5607.4	5568.4	5336.4	4764.3	4270.2	3625.5	3315.5	3489.1	3745.9	3974.4	4094.8
25°	5828.7	5780.9	5504.6	4854.6	4252.5	3437.7	3189.8	3418.3	3657.4	3864.6	3958.4
27.5°	6149.3	6060.8	5734.9	5012.3	4271.9	3260.6	3110.1	3331.5	3554.6	3731.7	3807.9
30°	6498.2	6392.0	5989.9	5175.2	4300.3	3152.6	3067.6	3232.3	3397.0	3574.1	3657.4
32.5°	6910.9	6817.0	6262.7	5297.4	4240.1	3103.0	3035.7	3124.3	3255.3	3397.0	3466.1
35°	7403.3	7235.0	6560.2	5396.6	4045.2	3030.4	3007.4	3005.6	3074.7	3212.8	3290.7
37.5°	7932.8	7752.2	6926.8	5502.9	3742.4	2915.3	2940.1	2865.7	2929.4	3039.2	3127.8
40°	8366.8	8177.3	7297.0	5648.1	3363.4	2734.6	2791.3	2711.6	2750.5	2863.9	2963.1
42.5°	8791.8	8589.9	7642.4	5812.8	2996.7	2557.5	2585.8	2555.7	2568.1	2686.8	2824.9
45°	9349.7	9123.0	8067.4	5929.7	2667.3	2417.6	2391.0	2339.6	2405.2	2559.3	2706.3
47.5°	10281.3	10010.4	8763.5	6005.9	2428.2	2337.9	2215.7	2185.6	2267.0	2438.8	2591.1
50°	11370.6	11136.8	9875.8	6002.3	2249.3	2270.6	2045.6	2019.1	2153.7	2327.2	2488.4
52.5°	12263.2	12025.9	10826.8	5825.2	2102.3	2127.1	1946.5	1872.1	2056.3	2217.4	2378.6
55°	12984.1	12716.6	11264.3	5084.9	1916.3	1898.6	1838.4	1702.0	1934.1	2107.6	2258.2
57.5°	12596.2	12277.4	10734.7	3866.4	1725.1	1613.5	1652.5	1551.5	1767.6	1985.4	2130.7
60°	10561.2	10274.3	8721.0	2058.0	1517.8	1347.8	1429.3	1445.2	1585.2	1838.4	1987.2
62.5°	7254.5	7045.5	5910.2	1248.6	1197.3	1082.2	1209.7	1324.8	1429.3	1643.6	1772.9
65°	3549.3	3487.3	2956.0	800.5	837.7	874.9	1002.5	1142.4	1296.5	1484.2	1620.6
67.5°	977.7	984.7	896.2	625.2	660.6	763.4	864.3	975.9	1130.0	1303.5	1441.7
70°	430.4	437.5	451.6	481.7	549.0	642.9	747.4	862.5	1004.2	1149.5	1282.3
72.5°	299.3	306.4	327.7	366.6	426.8	515.4	614.6	724.4	871.4	993.6	1103.4
75°	184.2	189.5	209.0	242.6	283.4	350.7	448.1	549.0	678.3	789.9	887.3
77.5°	97.4	93.9	106.3	129.3	164.7	200.1	265.7	329.4	421.5	511.9	593.3
80°	53.1	51.4	58.4	70.8	81.5	109.8	154.1	196.6	249.7	301.1	345.4
82.5°	23.0	21.3	23.0	30.1	37.2	53.1	77.9	108.0	138.1	173.6	201.9
85°	0.0	0.0	0.0	1.8	8.9	14.2	26.6	39.0	56.7	77.9	95.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	15.9
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°	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7
2.5°	3722.9	3678.6	3675.1	3639.6	3643.2	3645.0	3609.5	3595.4	3607.8	3621.9	3614.9
5°	3559.9	3513.9	3494.4	3460.8	3457.2	3441.3	3427.1	3409.4	3421.8	3434.2	3441.3
7.5°	3418.3	3388.1	3375.8	3366.9	3370.4	3363.4	3335.0	3319.1	3317.3	3322.6	3329.7
10°	3372.2	3347.4	3363.4	3388.1	3405.9	3418.3	3388.1	3361.6	3336.8	3326.2	3326.2
12.5°	3471.4	3439.5	3471.4	3498.0	3533.4	3542.2	3508.6	3480.2	3471.4	3482.0	3503.3
15°	3691.0	3616.6	3614.9	3630.8	3659.1	3673.3	3641.4	3627.3	3627.3	3694.6	3747.7
17.5°	3910.6	3788.4	3737.1	3728.2	3745.9	3751.2	3724.7	3712.3	3744.1	3875.2	3974.4
20°	4064.7	3915.9	3804.4	3783.1	3788.4	3790.2	3768.9	3760.1	3806.1	3965.5	4048.8
22.5°	4048.8	3939.0	3802.6	3776.0	3784.9	3781.3	3761.9	3758.3	3795.5	3933.7	3972.6
25°	3939.0	3854.0	3738.8	3721.1	3735.3	3733.5	3714.0	3705.2	3721.1	3813.2	3816.8
27.5°	3813.2	3738.8	3639.6	3634.3	3657.4	3669.8	3636.1	3609.5	3604.2	3666.2	3652.0
30°	3662.7	3607.8	3528.1	3531.6	3574.1	3581.2	3540.5	3501.5	3490.9	3524.5	3505.0
32.5°	3483.8	3466.1	3423.6	3432.4	3473.2	3487.3	3444.8	3404.1	3391.7	3402.3	3361.6
35°	3331.5	3324.4	3327.9	3343.9	3379.3	3389.9	3354.5	3322.6	3304.9	3267.7	3214.6
37.5°	3173.8	3193.3	3244.7	3274.8	3294.3	3290.7	3271.3	3248.2	3219.9	3150.8	3085.3
40°	3026.8	3076.4	3168.5	3202.2	3209.3	3211.0	3196.9	3177.4	3142.0	3049.9	2975.5
42.5°	2913.5	2968.4	3090.6	3142.0	3145.5	3149.0	3134.9	3118.9	3069.3	2947.1	2874.5
45°	2794.8	2867.4	3010.9	3072.9	3069.3	3067.6	3055.2	3048.1	2989.6	2848.0	2768.3
47.5°	2693.9	2778.9	2933.0	2986.1	2984.3	2982.6	2973.7	2973.7	2915.3	2761.2	2670.8
50°	2594.7	2692.1	2853.3	2897.5	2901.1	2897.5	2894.0	2899.3	2830.2	2665.5	2577.0
52.5°	2486.6	2596.5	2764.7	2805.5	2826.7	2835.6	2835.6	2823.2	2741.7	2569.9	2472.5
55°	2368.0	2472.5	2667.3	2722.2	2739.9	2755.9	2755.9	2731.1	2654.9	2481.3	2376.8
57.5°	2221.0	2313.1	2467.2	2522.1	2564.6	2575.2	2575.2	2534.5	2472.5	2306.0	2221.0
60°	2061.6	2141.3	2245.8	2304.2	2336.1	2314.9	2330.8	2320.2	2270.6	2116.5	2045.6
62.5°	1849.0	1930.5	2045.6	2105.9	2120.0	2098.8	2120.0	2118.3	2051.0	1912.8	1827.8
65°	1696.7	1776.4	1889.8	1967.7	1990.7	1985.4	1999.6	1978.3	1895.1	1764.0	1682.6
67.5°	1516.1	1601.1	1732.2	1818.9	1866.8	1872.1	1891.6	1847.3	1762.3	1618.8	1516.1
70°	1344.3	1416.9	1517.8	1599.3	1666.6	1700.3	1703.8	1640.1	1533.8	1415.1	1340.7
72.5°	1163.6	1238.0	1360.2	1448.8	1533.8	1572.8	1572.8	1494.8	1379.7	1248.6	1168.9
75°	944.0	1013.1	1124.7	1220.3	1317.7	1367.3	1365.5	1298.2	1170.7	1046.7	963.5
77.5°	639.4	690.7	761.6	834.2	848.4	887.3	906.8	821.8	751.0	683.7	609.3
80°	371.9	403.8	442.8	483.5	492.4	504.8	472.9	441.0	403.8	359.5	325.9
82.5°	217.8	239.1	258.6	290.5	295.8	299.3	271.0	256.8	226.7	200.1	178.9
85°	106.3	113.4	131.1	147.0	139.9	136.4	124.0	109.8	97.4	86.8	76.2
87.5°	21.3	21.3	31.9	30.1	24.8	21.3	12.4	15.9	3.5	3.5	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°	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7
2.5°	3637.9	3668.0	3705.2	3754.8	3811.4	3871.7	3930.1	3974.4	4018.7	4084.2	4073.6
5°	3451.9	3503.3	3561.7	3637.9	3730.0	3834.5	3951.4	4068.3	4194.0	4300.3	4346.3
7.5°	3343.9	3400.5	3469.6	3568.8	3687.5	3815.0	3979.7	4169.2	4372.9	4512.8	4599.6
10°	3343.9	3416.5	3506.8	3602.5	3707.0	3838.0	4041.7	4279.0	4541.1	4725.3	4826.3
12.5°	3536.9	3609.5	3629.0	3625.5	3683.9	3829.2	4091.3	4394.1	4707.6	4902.5	5026.4
15°	3838.0	3862.8	3715.8	3581.2	3590.1	3765.4	4114.3	4486.2	4851.1	5084.9	5219.5
17.5°	4039.9	3974.4	3712.3	3476.7	3427.1	3657.4	4114.3	4574.8	5003.4	5267.3	5393.1
20°	4055.9	3892.9	3621.9	3375.8	3248.2	3513.9	4086.0	4642.1	5150.4	5442.6	5577.3
22.5°	3915.9	3754.8	3526.3	3289.0	3101.2	3340.3	4039.9	4693.5	5276.2	5607.4	5773.8
25°	3756.5	3621.9	3428.9	3200.4	3000.3	3165.0	3997.4	4780.2	5451.5	5830.5	5998.8
27.5°	3600.7	3487.3	3312.0	3126.0	2943.6	3012.7	3970.8	4907.8	5660.5	6147.6	6292.8
30°	3448.4	3345.6	3186.2	3055.2	2913.5	2913.5	3947.8	5054.8	5936.8	6503.5	6648.8
32.5°	3294.3	3196.9	3067.6	2986.1	2895.8	2874.5	3884.1	5192.9	6221.9	6893.2	7042.0
35°	3150.8	3053.4	2954.2	2920.6	2886.9	2844.4	3726.4	5301.0	6500.0	7348.4	7475.9
37.5°	3016.2	2922.3	2848.0	2839.1	2842.6	2762.9	3478.5	5391.3	6847.1	7814.2	7881.5
40°	2899.3	2794.8	2736.4	2734.6	2752.3	2631.9	3165.0	5520.6	7243.9	8209.1	8180.8
42.5°	2794.8	2685.0	2614.2	2630.1	2619.5	2500.8	2858.6	5639.2	7589.2	8579.3	8522.6
45°	2692.1	2585.8	2486.6	2509.7	2497.3	2419.3	2598.2	5726.0	7971.8	9023.8	9030.9
47.5°	2592.9	2488.4	2389.2	2360.9	2359.1	2394.6	2398.1	5754.4	8595.2	9739.4	9578.2
50°	2500.8	2396.3	2293.6	2198.0	2235.2	2345.0	2249.3	5733.1	9528.6	10529.3	10079.4
52.5°	2405.2	2306.0	2192.6	2020.8	2118.3	2226.3	2116.5	5657.0	10098.9	11227.1	10957.9
55°	2295.4	2201.5	2047.4	1838.4	1957.1	1980.1	1980.1	4920.2	10341.6	11917.9	12084.3
57.5°	2148.4	2024.4	1780.0	1611.7	1718.0	1629.4	1834.9	3443.1	9941.3	11700.0	12346.5
60°	1981.9	1849.0	1590.5	1470.0	1501.9	1346.0	1563.9	2159.0	8239.2	9955.5	11074.8
62.5°	1762.3	1640.1	1425.8	1331.9	1266.3	1098.1	1259.3	1365.5	5648.1	7392.6	8156.0
65°	1615.3	1480.7	1289.4	1165.4	1030.8	883.8	836.0	896.2	3037.5	4137.3	4652.7
67.5°	1441.7	1308.9	1128.2	972.3	864.3	758.0	674.8	653.5	1041.4	1377.9	1491.3
70°	1277.0	1149.5	998.9	853.7	745.6	641.1	559.7	501.2	481.7	478.2	471.1
72.5°	1108.7	990.1	864.3	729.7	611.0	515.4	442.8	375.5	347.1	338.3	329.4
75°	908.6	814.7	689.0	543.7	448.1	359.5	302.9	258.6	233.8	224.9	214.3
77.5°	584.5	542.0	432.2	350.7	271.0	214.3	184.2	155.9	139.9	136.4	127.5
80°	311.7	290.5	239.1	201.9	161.2	131.1	115.1	99.2	90.3	86.8	83.2
82.5°	173.6	157.6	132.8	116.9	93.9	79.7	70.8	63.8	58.4	56.7	54.9
85°	77.9	67.3	53.1	49.6	44.3	40.7	39.0	35.4	33.7	31.9	30.1
87.5°	3.5	7.1	8.9	7.1	7.1	10.6	12.4	12.4	10.6	10.6	8.9
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: P637875

CATALOG NUMBER: GWS-SA4D-760-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7	3878.7
2.5°	4139.1	4192.2	4197.6	4215.3	4192.2	4186.9	4149.7	4128.5	4109.0	4103.7
5°	4461.4	4567.7	4610.2	4640.3	4612.0	4597.8	4516.4	4431.3	4383.5	4360.5
7.5°	4792.6	4952.0	5035.3	5072.5	5076.0	5012.3	4872.3	4712.9	4633.2	4603.1
10°	5088.4	5285.0	5394.8	5465.7	5440.9	5362.9	5171.7	4955.6	4854.6	4828.1
12.5°	5308.0	5495.8	5580.8	5626.8	5625.1	5582.6	5401.9	5168.1	5053.0	5026.4
15°	5449.7	5561.3	5566.6	5577.3	5607.4	5664.0	5570.2	5354.1	5226.6	5189.4
17.5°	5561.3	5517.0	5433.8	5405.5	5472.8	5630.4	5687.1	5511.7	5373.6	5341.7
20°	5632.2	5409.0	5262.0	5207.1	5285.0	5541.8	5757.9	5653.4	5509.9	5469.2
22.5°	5687.1	5308.0	5070.7	5033.5	5115.0	5446.2	5830.5	5821.7	5664.0	5607.4
25°	5773.8	5240.7	4936.1	4909.5	4985.7	5400.1	5927.9	6050.1	5910.2	5828.7
27.5°	5910.2	5233.7	4867.0	4858.2	4962.7	5440.9	6067.9	6384.9	6209.5	6149.3
30°	6099.7	5301.0	4883.0	4900.7	5028.2	5587.9	6285.7	6767.4	6592.1	6498.2
32.5°	6372.5	5481.6	5125.6	5201.8	5295.6	5823.4	6604.5	7181.9	7049.1	6910.9
35°	6732.0	5977.5	5842.9	6167.0	6078.5	6338.8	6988.8	7684.9	7523.7	7403.3
37.5°	7212.0	6994.1	7118.1	7564.4	7350.1	7312.9	7458.2	8141.8	8053.3	7932.8
40°	7885.0	7929.3	8157.8	8744.0	8434.1	8195.0	8033.8	8485.4	8515.5	8366.8
42.5°	8331.3	8535.0	9085.8	9751.8	9324.9	8752.9	8515.5	8924.7	8926.4	8791.8
45°	8497.8	9030.9	10182.2	10949.1	10235.3	9071.7	8781.2	9521.5	9503.8	9349.7
47.5°	8437.6	9448.9	11321.0	12493.5	11404.2	9298.4	8744.0	10371.7	10515.1	10281.3
50°	8311.9	9868.7	12651.1	14385.0	12838.8	9539.2	8687.3	11313.9	11551.2	11370.6
52.5°	8439.4	10336.2	14223.9	16340.3	14638.3	9923.6	9069.9	12523.6	12481.1	12263.2
55°	8843.2	10888.8	16134.9	18796.9	16614.9	10573.6	10052.9	13676.6	13244.4	12984.1
57.5°	8823.7	11283.8	17810.4	20739.8	18334.6	11106.7	10394.7	13798.8	12925.6	12596.2
60°	8009.0	11103.1	18448.0	21968.9	18853.6	10812.7	9270.0	12325.2	10906.5	10561.2
62.5°	5977.5	9852.7	17211.7	20429.8	17385.3	9339.1	6971.1	8846.7	7837.2	7254.5
65°	3823.8	7707.9	14470.0	16551.1	14330.1	7142.9	4151.5	4743.1	3715.8	3549.3
67.5°	1627.7	5440.9	11248.4	11062.4	10720.6	4627.9	1602.9	1335.4	995.4	977.7
70°	538.4	3701.6	6933.9	7378.5	6402.6	3188.0	529.6	448.1	446.3	430.4
72.5°	352.5	1987.2	3903.5	4346.3	4119.6	1834.9	320.6	299.3	306.4	299.3
75°	210.8	432.2	657.1	853.7	657.1	308.2	193.1	189.5	193.1	184.2
77.5°	124.0	120.4	116.9	116.9	115.1	106.3	97.4	93.9	95.6	97.4
80°	79.7	76.2	72.6	70.8	62.0	58.4	54.9	51.4	51.4	53.1
82.5°	51.4	47.8	44.3	39.0	31.9	26.6	24.8	21.3	21.3	23.0
85°	26.6	21.3	15.9	12.4	7.1	3.5	0.0	0.0	0.0	0.0
87.5°	5.3	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)