

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: P635789

Luminaire Tested: GWS-SA3E-740-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-740-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17206 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 159.2
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

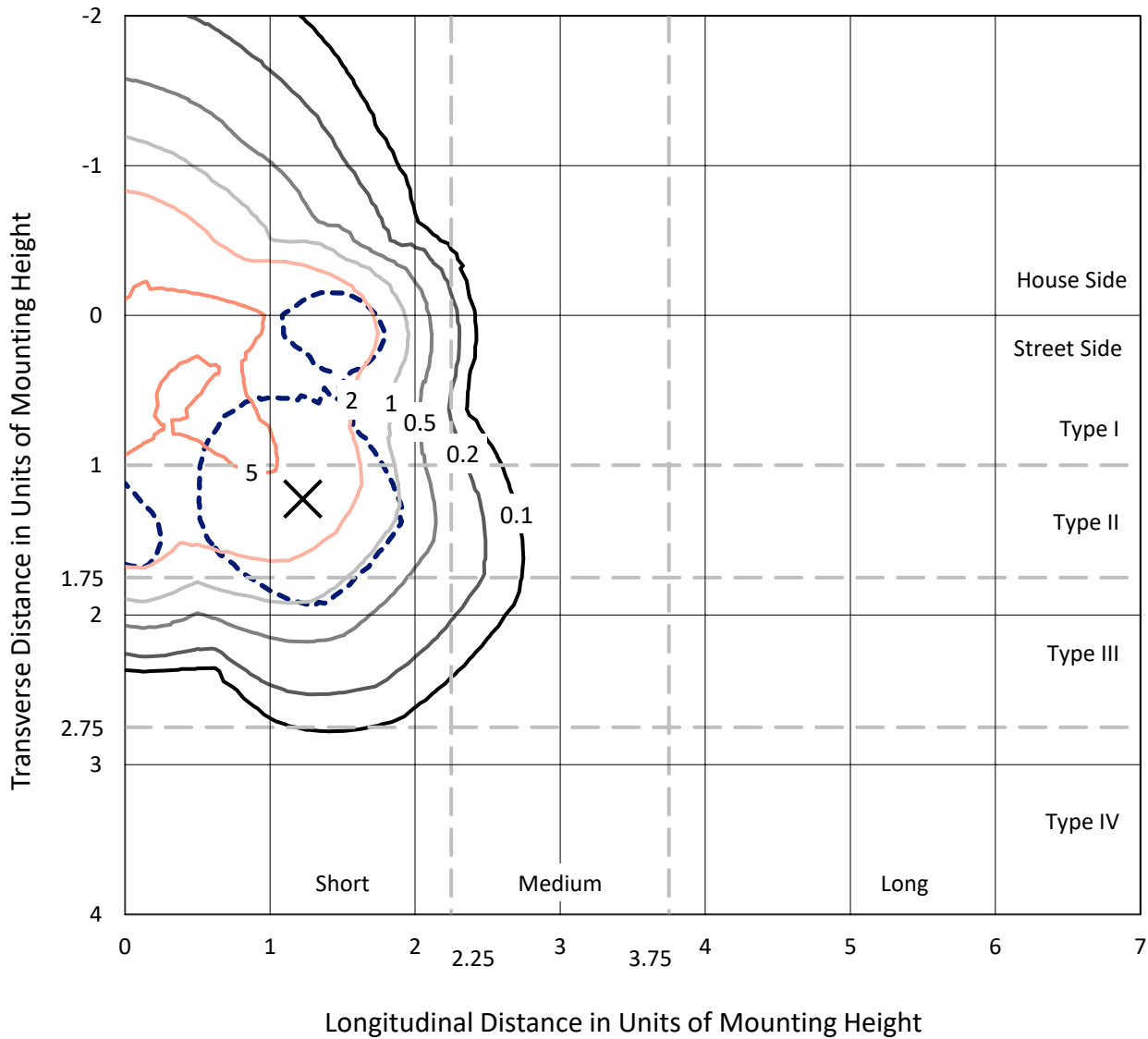


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Iso-Footcandle Lines of Horizontal Illumination

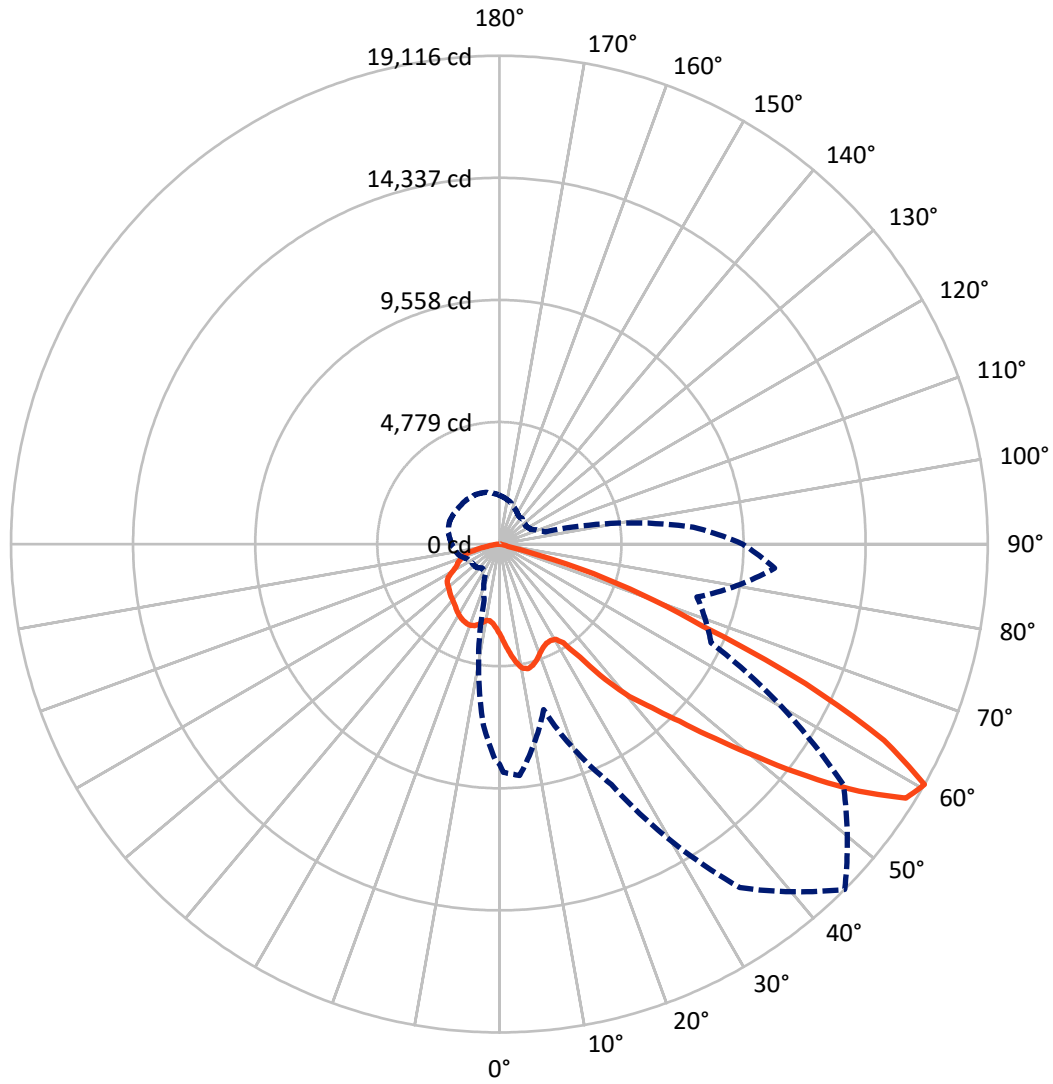
✕ Max cd
 - - - 1/2 Max cd



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 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6031.3	0.0	6031.3
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	11174.7	0.0	11174.7
	% Fixture	64.9	0.0	64.9
Total	Lumens	17206.0	0.0	17206.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.9	2.0
10°-20°	1089.8	6.3
20°-30°	1770.2	10.3
30°-40°	2496.5	14.5
40°-50°	3450.1	20.1
50°-60°	4441.3	25.8
60°-70°	2814.0	16.4
70°-80°	722.1	4.2
80°-90°	77.2	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°	17206.0	100.0
0°-180°	17206.0	100.0

Coefficient of Utilization



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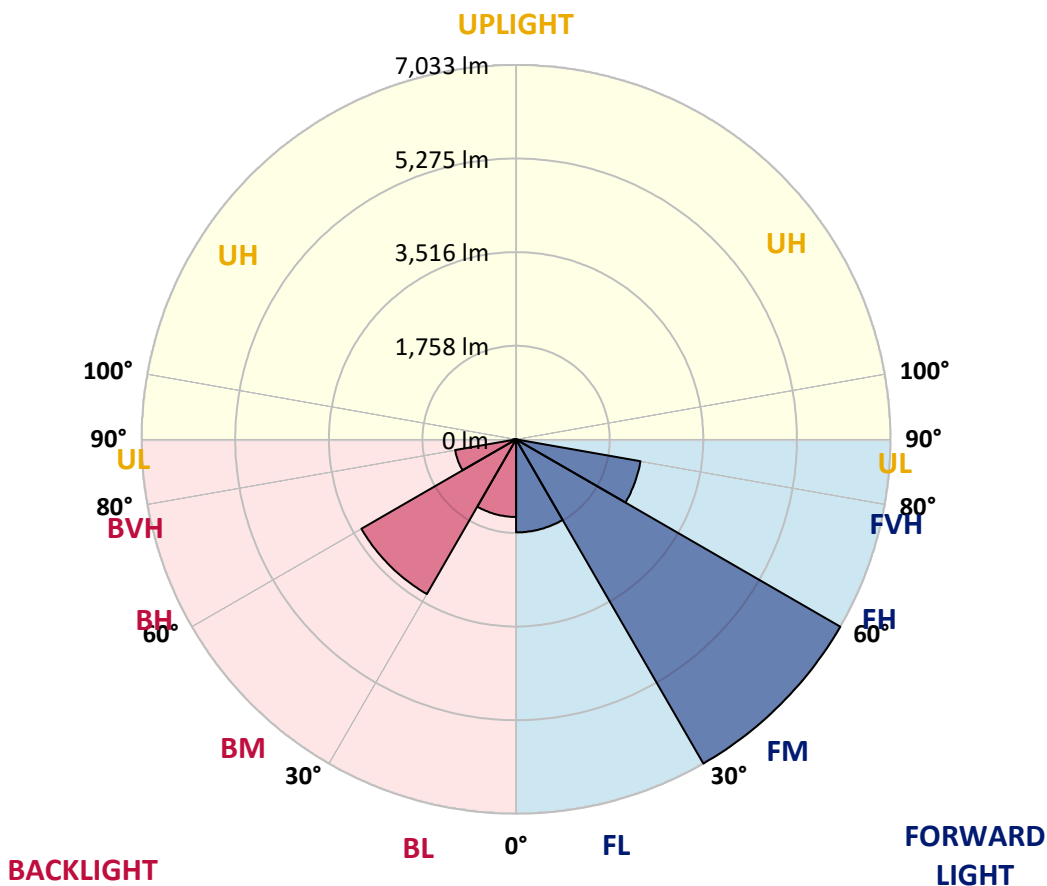
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1747.1	10.2			
FM (30°-60°)	7032.8	40.9			
FH (60°-80°)	2373.8	13.8			G2/5000
FVH (80°-90°)	21.0	0.1			G1/100
BL (0°-30°)	1457.7	8.5	B3/2500		
BM (30°-60°)	3355.0	19.5	B3/5000		
BH (60°-80°)	1162.3	6.8	B3/2500		G3/2500
BVH (80°-90°)	56.2	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°	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6
2.5°	3697.0	3722.2	3738.0	3767.9	3821.5	3851.5	3884.6	3848.3	3857.8	3853.1	3794.7
5°	3916.1	3946.1	3987.1	4075.4	4174.7	4229.9	4281.9	4274.0	4225.1	4143.2	4084.8
7.5°	4121.1	4155.8	4226.7	4370.2	4516.8	4601.9	4665.0	4624.0	4583.0	4453.7	4307.1
10°	4281.9	4302.4	4398.6	4590.9	4761.2	4857.3	4934.6	4925.1	4868.4	4723.3	4526.3
12.5°	4433.2	4447.4	4551.5	4743.8	4896.8	4939.3	5002.4	5022.9	5004.0	4895.2	4701.3
15°	4595.6	4622.4	4718.6	4865.2	4934.6	4890.4	4912.5	4969.3	5022.9	5022.9	4844.7
17.5°	4747.0	4770.6	4868.4	4931.4	4865.2	4748.6	4754.9	4827.4	4955.1	5089.1	4975.6
20°	4881.0	4903.1	4999.2	4939.3	4729.6	4559.4	4554.6	4642.9	4849.5	5131.7	5115.9
22.5°	5027.6	5059.1	5139.5	4945.6	4603.5	4387.5	4386.0	4477.4	4756.4	5174.2	5276.7
25°	5235.7	5284.6	5325.6	5000.8	4535.7	4275.6	4296.1	4382.8	4726.5	5243.6	5514.8
27.5°	5544.7	5584.1	5581.0	5115.9	4532.6	4229.9	4272.4	4373.3	4780.1	5366.6	5765.4
30°	5878.9	5899.4	5866.3	5276.7	4605.1	4258.3	4321.3	4441.1	4915.7	5569.9	6134.3
32.5°	6249.4	6274.7	6211.6	5517.9	4773.8	4467.9	4606.7	4665.0	5106.4	5863.2	6525.3
35°	6675.1	6724.0	6593.1	5836.4	5270.4	5232.6	5434.4	5358.7	5511.6	6210.0	6943.1
37.5°	7122.8	7124.4	6936.8	6307.8	6244.7	6309.3	6712.9	6476.5	6370.8	6596.3	7368.8
40°	7502.8	7493.3	7204.8	6943.1	7092.9	7349.9	7837.0	7474.4	7196.9	7115.0	7721.9
42.5°	7882.7	7848.0	7556.4	7346.7	7677.8	8205.9	8756.1	8311.6	7726.7	7586.3	8070.3
45°	8368.3	8357.3	8005.7	7507.5	8205.9	9164.5	9894.4	9173.9	8040.4	7860.7	8650.5
47.5°	9151.9	9098.2	8444.0	7494.9	8701.0	10441.5	11363.7	10260.2	8259.5	7867.0	9587.0
50°	9918.1	9851.8	8967.4	7493.3	9211.8	11765.8	13097.9	11579.7	8483.4	7904.8	10539.2
52.5°	10692.1	10692.1	9826.6	7671.5	9747.8	13244.6	15101.7	13224.1	8864.9	8399.8	11710.6
55°	11152.5	11275.5	10793.0	7972.6	10375.3	14985.1	17083.5	14999.3	9454.5	9293.7	12792.1
57.5°	10567.6	10797.8	10728.4	7762.9	10745.7	16263.7	18764.1	16345.6	9746.2	9399.4	12629.7
60°	8611.1	8931.1	9090.4	6703.5	10380.0	16411.8	19115.6	16433.9	9144.0	8004.1	10818.3
62.5°	5724.4	5987.7	6230.5	4789.5	8986.3	14764.4	16906.9	14769.1	7636.8	5973.5	7494.9
65°	2807.8	3003.3	3265.0	2831.5	7020.4	12336.5	13181.5	11934.5	5524.2	3343.9	3823.1
67.5°	734.7	789.8	826.1	1098.9	5029.2	8863.3	8596.9	8729.3	3548.8	1092.5	999.5
70°	381.5	384.7	383.1	454.0	3399.0	5633.0	5924.7	5481.7	2476.8	457.2	394.1
72.5°	272.7	274.3	269.6	305.8	1641.2	3227.2	3343.9	3307.6	1297.5	271.2	269.6
75°	178.1	179.7	176.6	179.7	247.5	367.3	339.0	356.3	216.0	171.8	171.8
77.5°	105.6	107.2	105.6	108.8	105.6	105.6	97.7	97.7	93.0	93.0	94.6
80°	70.9	70.9	69.4	72.5	66.2	66.2	63.1	61.5	56.8	55.2	55.2
82.5°	42.6	44.1	42.6	42.6	39.4	39.4	36.3	34.7	30.0	30.0	28.4
85°	22.1	22.1	20.5	20.5	17.3	15.8	12.6	12.6	9.5	7.9	7.9
87.5°	3.2	3.2	1.6	1.6	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°	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6
2.5°	3779.0	3747.5	3700.2	3654.4	3611.9	3567.7	3517.3	3465.2	3421.1	3375.4	3351.7
5°	4007.6	3942.9	3820.0	3711.2	3613.4	3533.0	3446.3	3372.2	3302.9	3246.1	3217.7
7.5°	4214.1	4113.2	3927.2	3755.3	3622.9	3512.5	3392.7	3282.4	3189.4	3120.0	3093.2
10°	4404.9	4285.1	4040.7	3823.1	3668.6	3545.7	3399.0	3249.3	3126.3	3034.9	3012.8
12.5°	4559.4	4422.2	4130.6	3878.3	3695.4	3563.0	3433.7	3304.4	3183.0	3064.8	3045.9
15°	4696.5	4534.1	4198.3	3913.0	3686.0	3517.3	3408.5	3392.7	3392.7	3258.7	3220.9
17.5°	4814.8	4636.6	4253.5	3928.8	3626.1	3381.7	3315.5	3452.6	3607.1	3511.0	3425.8
20°	4950.4	4734.4	4299.2	3928.8	3515.7	3209.8	3203.5	3436.9	3665.5	3667.0	3577.2
22.5°	5087.5	4847.9	4352.8	3914.6	3364.3	3011.2	3127.9	3373.8	3577.2	3663.9	3602.4
25°	5309.8	5005.5	4438.0	3903.5	3187.8	2875.6	3060.1	3290.3	3462.1	3553.5	3514.1
27.5°	5592.0	5213.6	4567.3	3920.9	3012.8	2795.2	2987.6	3181.5	3337.5	3418.0	3389.6
30°	5907.3	5453.3	4706.0	3950.8	2886.7	2754.2	2900.8	3056.9	3195.7	3276.1	3263.5
32.5°	6309.3	5713.4	4825.8	3909.8	2815.7	2733.7	2809.4	2921.3	3055.3	3105.8	3116.8
35°	6790.2	6000.3	4917.2	3749.0	2751.1	2711.7	2710.1	2779.5	2874.0	2954.4	2962.3
37.5°	7233.2	6336.1	5018.1	3473.1	2634.4	2656.5	2593.4	2634.4	2727.4	2807.8	2839.4
40°	7671.5	6676.7	5158.5	3121.6	2481.5	2533.5	2459.4	2487.8	2561.9	2667.5	2718.0
42.5°	8097.1	6984.1	5306.7	2762.1	2328.6	2361.7	2306.5	2334.9	2412.1	2544.5	2601.3
45°	8560.6	7400.3	5421.7	2423.2	2196.1	2181.9	2137.8	2178.8	2295.5	2440.5	2508.3
47.5°	9437.2	8056.2	5497.4	2197.7	2125.2	2022.7	1972.3	2060.5	2193.0	2339.6	2421.6
50°	10507.7	9005.2	5475.3	2054.2	2063.7	1858.7	1841.4	1958.1	2100.0	2252.9	2342.7
52.5°	11355.9	9937.0	5224.7	1917.1	1943.9	1754.7	1704.2	1874.5	2010.1	2166.2	2259.2
55°	12003.8	10250.7	4455.3	1754.7	1748.4	1679.0	1573.4	1787.8	1920.2	2065.3	2166.2
57.5°	11475.7	9552.3	3302.9	1530.8	1493.0	1529.2	1426.8	1641.2	1809.9	1953.3	2043.2
60°	9523.9	7616.3	1839.8	1355.8	1248.6	1336.9	1321.1	1486.7	1690.1	1841.4	1918.7
62.5°	6465.4	5071.7	1091.0	1072.1	1012.1	1138.3	1221.8	1330.6	1530.8	1653.8	1726.3
65°	3222.5	2464.1	725.2	802.5	810.3	936.5	1094.1	1213.9	1381.1	1507.2	1579.7
67.5°	934.9	766.2	551.8	613.3	698.4	799.3	925.4	1067.3	1229.7	1379.5	1464.6
70°	403.6	408.3	438.3	510.8	594.4	698.4	824.5	963.3	1100.4	1215.5	1280.2
72.5°	285.4	296.4	329.5	403.6	482.4	581.7	707.9	841.9	941.2	1057.9	1125.7
75°	182.9	190.8	217.6	274.3	332.7	428.8	548.6	671.6	774.1	857.6	922.3
77.5°	100.9	102.5	124.5	157.7	197.1	258.6	346.8	443.0	518.7	566.0	624.3
80°	58.3	58.3	69.4	89.9	113.5	151.3	200.2	247.5	293.2	323.2	351.6
82.5°	31.5	31.5	36.3	48.9	61.5	83.6	111.9	135.6	164.0	179.7	198.6
85°	9.5	9.5	12.6	17.3	22.1	31.5	44.1	56.8	69.4	80.4	91.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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°	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6
2.5°	3347.0	3324.9	3312.3	3296.6	3301.3	3287.1	3279.2	3283.9	3255.6	3283.9	3312.3
5°	3206.7	3175.2	3149.9	3129.4	3120.0	3101.1	3090.0	3090.0	3072.7	3101.1	3135.8
7.5°	3083.7	3058.5	3045.9	3033.3	3019.1	3001.7	2982.8	2976.5	2965.5	2995.4	3025.4
10°	3001.7	3004.9	3012.8	3030.1	3027.0	3015.9	2987.6	2971.8	2971.8	3006.5	3052.2
12.5°	3039.6	3072.7	3091.6	3123.1	3129.4	3120.0	3091.6	3079.0	3110.5	3162.6	3238.2
15°	3186.2	3208.3	3224.0	3249.3	3247.7	3239.8	3217.7	3227.2	3331.2	3432.1	3499.9
17.5°	3345.4	3320.2	3317.1	3332.8	3337.5	3328.1	3315.5	3358.0	3529.9	3624.5	3659.2
20°	3460.5	3373.8	3354.9	3361.2	3373.8	3369.1	3369.1	3438.4	3616.6	3660.7	3616.6
22.5°	3495.2	3372.2	3343.9	3345.4	3362.8	3364.3	3372.2	3444.8	3548.8	3550.4	3482.6
25°	3440.0	3321.8	3301.3	3304.4	3324.9	3323.4	3326.5	3367.5	3413.2	3394.3	3343.9
27.5°	3336.0	3233.5	3227.2	3244.5	3271.3	3257.1	3247.7	3258.7	3280.8	3257.1	3213.0
30°	3217.7	3131.0	3134.2	3167.3	3195.7	3172.0	3148.4	3154.7	3156.2	3131.0	3080.6
32.5°	3093.2	3028.5	3039.6	3074.3	3107.4	3082.1	3056.9	3053.8	3023.8	2993.9	2945.0
35°	2968.6	2943.4	2957.6	2986.0	3014.4	2993.9	2978.1	2968.6	2904.0	2859.9	2818.9
37.5°	2855.1	2874.0	2899.3	2916.6	2926.1	2924.5	2915.0	2893.0	2807.8	2755.8	2702.2
40°	2754.2	2812.6	2839.4	2847.2	2861.4	2858.3	2856.7	2825.2	2713.2	2658.1	2596.6
42.5°	2662.8	2744.8	2790.5	2798.4	2806.3	2807.8	2803.1	2757.4	2629.7	2565.0	2506.7
45°	2574.5	2681.7	2740.0	2732.2	2743.2	2743.2	2747.9	2688.0	2547.7	2481.5	2420.0
47.5°	2497.2	2623.4	2677.0	2667.5	2673.8	2678.6	2683.3	2613.9	2457.8	2394.8	2331.7
50°	2426.3	2560.3	2606.0	2609.2	2609.2	2620.2	2618.6	2550.9	2382.2	2314.4	2251.3
52.5°	2350.6	2495.7	2544.5	2565.0	2571.3	2576.1	2554.0	2475.2	2304.9	2222.9	2164.6
55°	2262.3	2429.5	2473.6	2500.4	2513.0	2509.9	2479.9	2399.5	2226.1	2144.1	2077.9
57.5°	2128.3	2287.6	2350.6	2363.2	2383.7	2371.1	2336.4	2268.7	2100.0	2018.0	1950.2
60°	1981.7	2096.8	2147.3	2158.3	2142.5	2147.3	2142.5	2077.9	1931.3	1866.6	1797.3
62.5°	1789.4	1891.9	1945.5	1959.6	1932.8	1950.2	1943.9	1863.5	1716.9	1649.1	1587.6
65°	1644.3	1756.3	1819.3	1827.2	1819.3	1827.2	1805.1	1707.4	1568.7	1499.3	1436.2
67.5°	1530.8	1645.9	1712.1	1734.2	1726.3	1724.7	1690.1	1576.5	1433.1	1357.4	1277.0
70°	1335.3	1436.2	1521.4	1575.0	1575.0	1545.0	1478.8	1373.2	1258.1	1193.4	1130.4
72.5°	1182.4	1310.1	1393.7	1448.8	1459.9	1442.5	1349.5	1237.6	1105.2	1040.5	974.3
75°	974.3	1098.9	1188.7	1261.2	1275.4	1256.5	1149.3	1038.9	916.0	852.9	786.7
77.5°	651.1	725.2	797.7	863.9	849.8	862.4	789.8	706.3	630.6	583.3	553.4
80°	367.3	416.2	438.3	474.5	474.5	474.5	427.2	387.8	345.3	318.5	288.5
82.5°	208.1	239.6	249.1	279.0	286.9	288.5	257.0	231.8	205.0	190.8	170.3
85°	96.2	113.5	115.1	132.4	138.7	151.3	137.2	119.8	104.1	97.7	85.1
87.5°	3.2	9.5	12.6	23.6	31.5	36.3	39.4	39.4	33.1	30.0	25.2
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: P635789

CATALOG NUMBER: GWS-SA3E-740-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6	3534.6
2.5°	3347.0	3384.8	3429.0	3460.5	3517.3	3564.6	3613.4	3667.0	3706.5	3697.0
5°	3178.3	3241.4	3321.8	3395.9	3501.5	3608.7	3727.0	3848.3	3919.3	3916.1
7.5°	3083.7	3173.6	3271.3	3370.7	3495.2	3649.7	3831.0	4020.2	4116.4	4121.1
10°	3134.2	3230.3	3296.6	3380.1	3511.0	3704.9	3922.4	4149.5	4259.8	4281.9
12.5°	3293.4	3285.5	3280.8	3340.7	3498.4	3744.3	4010.7	4281.9	4406.4	4433.2
15°	3444.8	3282.4	3184.6	3225.6	3441.6	3769.5	4097.4	4426.9	4567.3	4595.6
17.5°	3473.1	3227.2	3045.9	3074.3	3351.7	3777.4	4181.0	4568.8	4720.2	4747.0
20°	3394.3	3156.2	2945.0	2905.6	3238.2	3756.9	4233.0	4687.1	4852.6	4881.0
22.5°	3295.0	3093.2	2869.3	2766.8	3099.5	3736.4	4291.4	4811.6	5002.4	5027.6
25°	3190.9	3012.8	2798.4	2642.3	2941.8	3723.8	4389.1	4975.6	5205.8	5235.7
27.5°	3080.6	2915.0	2736.9	2582.4	2796.8	3739.6	4527.8	5240.4	5502.1	5544.7
30°	2962.3	2817.3	2697.5	2561.9	2697.5	3753.8	4680.8	5511.6	5819.0	5878.9
32.5°	2839.4	2727.4	2656.5	2571.3	2636.0	3720.6	4814.8	5815.9	6197.4	6249.4
35°	2716.4	2636.0	2604.5	2588.7	2554.0	3599.3	4923.6	6123.3	6629.4	6675.1
37.5°	2601.3	2541.4	2531.9	2549.3	2427.9	3400.6	5049.7	6514.3	7053.5	7122.8
40°	2494.1	2438.9	2437.3	2434.2	2289.1	3129.4	5219.9	6911.6	7471.3	7502.8
42.5°	2394.8	2325.4	2338.0	2300.2	2175.6	2836.2	5380.8	7250.5	7860.7	7882.7
45°	2306.5	2215.0	2229.2	2181.9	2122.0	2528.8	5522.6	7651.0	8354.1	8368.3
47.5°	2221.4	2123.6	2084.2	2081.0	2112.6	2245.0	5661.4	8421.9	9126.6	9151.9
50°	2142.5	2036.9	1925.0	1994.3	2054.2	2032.2	5834.8	9248.0	9924.4	9918.1
52.5°	2066.9	1928.1	1768.9	1902.9	1902.9	1874.5	5785.9	9749.4	10583.4	10692.1
55°	1980.1	1753.1	1606.5	1750.0	1680.6	1732.6	4920.4	9913.3	10998.0	11152.5
57.5°	1808.3	1537.1	1409.4	1486.7	1382.6	1606.5	3534.6	9099.8	10293.3	10567.6
60°	1642.8	1377.9	1294.3	1280.2	1144.6	1310.1	2290.7	7124.4	8472.4	8611.1
62.5°	1448.8	1240.7	1169.8	1061.0	920.7	953.8	1387.4	4688.6	5692.9	5724.4
65°	1302.2	1124.1	988.5	859.2	753.6	692.1	819.8	2260.8	2845.7	2807.8
67.5°	1117.8	963.3	834.0	741.0	654.3	577.0	545.5	671.6	759.9	734.7
70°	994.8	846.6	722.1	633.8	553.4	476.1	420.9	395.7	387.8	381.5
72.5°	857.6	728.4	599.1	514.0	438.3	367.3	316.9	286.9	279.0	272.7
75°	684.2	562.8	444.6	364.2	298.0	247.5	214.4	189.2	184.5	178.1
77.5°	452.5	361.0	264.9	216.0	176.6	149.8	127.7	111.9	108.8	105.6
80°	249.1	208.1	162.4	130.9	105.6	91.4	83.6	74.1	72.5	70.9
82.5°	148.2	124.5	93.0	74.1	61.5	55.2	50.4	45.7	44.1	42.6
85°	74.1	58.3	41.0	34.7	31.5	28.4	28.4	23.6	22.1	22.1
87.5°	18.9	15.8	9.5	7.9	7.9	7.9	6.3	4.7	4.7	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)