

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: P635785

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635785
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-SA3E-740-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT 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: 17117.7 lumens
Efficiency: N/A
Efficacy: 107.5 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

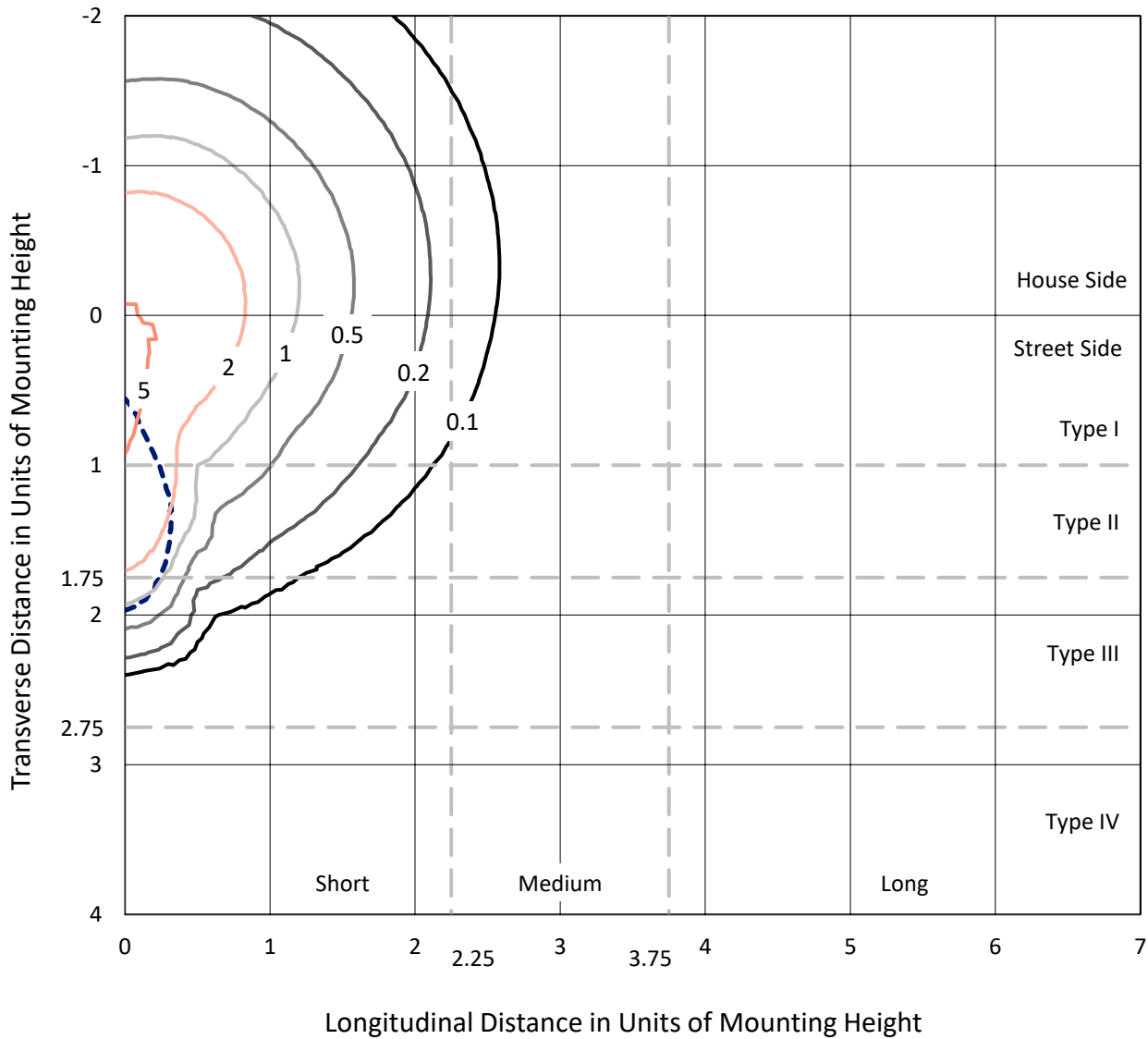
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

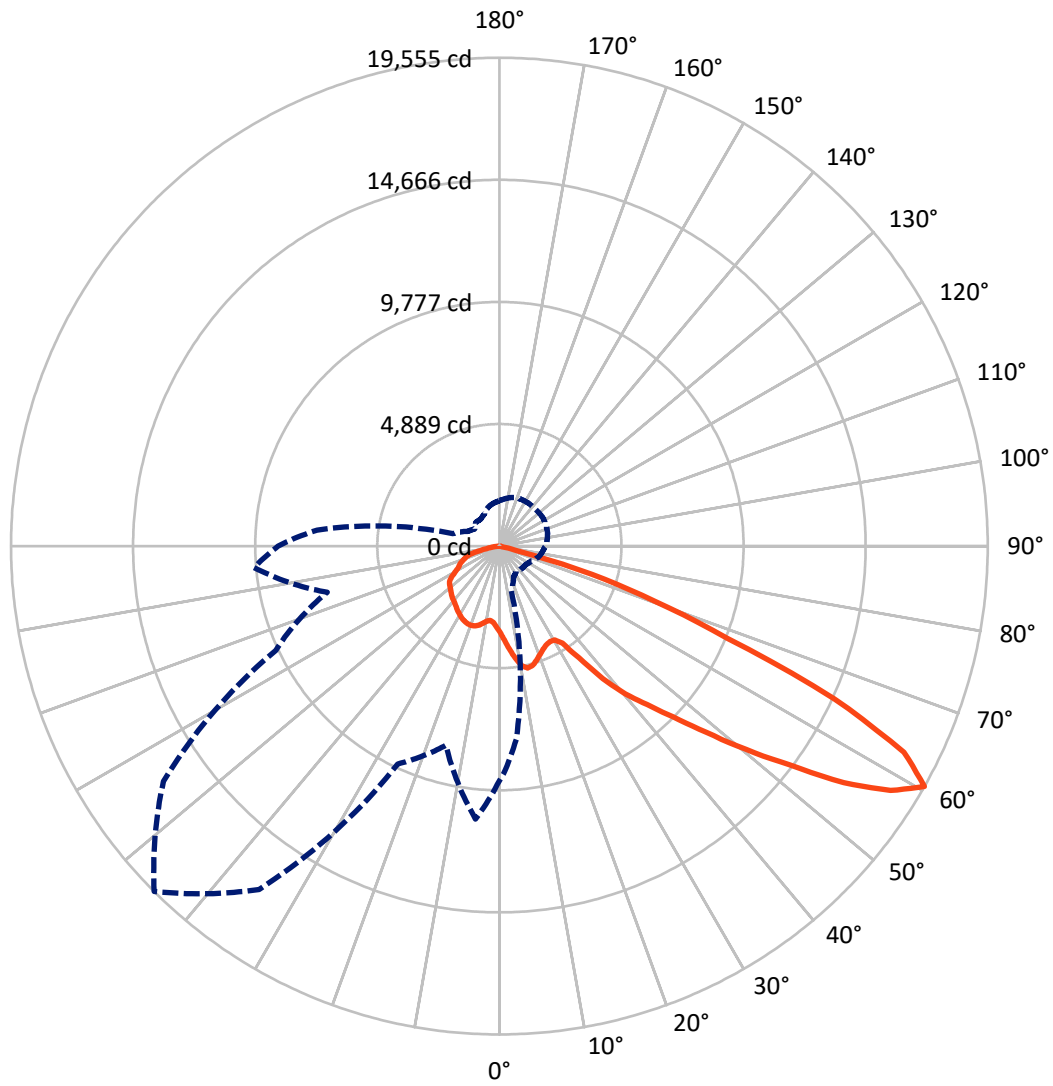
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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
House Side	Lumens	5855.8	0.0	5855.8
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	11261.9	0.0	11261.9
	% Fixture	65.8	0.0	65.8
Total	Lumens	17117.7	0.0	17117.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.3	2.0
10°-20°	1081.9	6.3
20°-30°	1762.0	10.3
30°-40°	2475.2	14.5
40°-50°	3387.1	19.8
50°-60°	4345.4	25.4
60°-70°	2926.0	17.1
70°-80°	731.5	4.3
80°-90°	71.3	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°	17117.7	100.0
0°-180°	17117.7	100.0

Coefficient of Utilization



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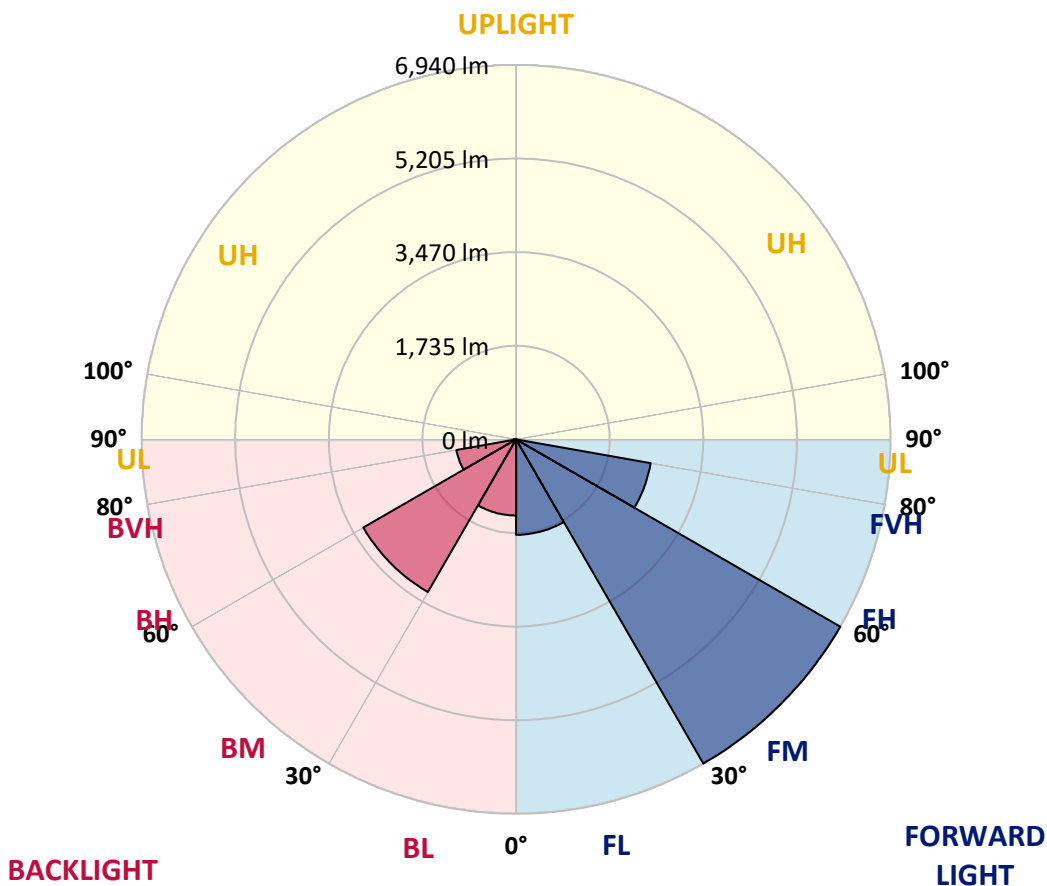
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1769.6	10.3			
FM (30°-60°)	6939.7	40.5			
FH (60°-80°)	2534.1	14.8			G2/5000
FVH (80°-90°)	18.5	0.1			G1/100
BL (0°-30°)	1411.6	8.2	B3/2500		
BM (30°-60°)	3268.0	19.1	B3/5000		
BH (60°-80°)	1123.4	6.6	B3/2500		G3/2500
BVH (80°-90°)	52.8	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°	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5
2.5°	3652.7	3644.8	3636.9	3575.4	3559.7	3515.5	3484.0	3444.6	3387.8	3356.3	3329.5
5°	3881.3	3868.6	3826.1	3700.0	3618.0	3528.1	3454.0	3372.1	3285.4	3228.6	3184.5
7.5°	4097.2	4094.1	4021.6	3813.5	3681.0	3551.8	3450.9	3331.1	3206.5	3121.4	3064.6
10°	4297.4	4273.8	4187.1	3915.9	3742.5	3594.3	3485.6	3353.1	3208.1	3093.0	3017.4
12.5°	4474.0	4444.1	4324.2	4010.5	3796.1	3613.3	3495.0	3386.2	3290.1	3193.9	3107.2
15°	4619.0	4582.8	4461.4	4098.8	3843.4	3602.2	3436.7	3351.6	3384.7	3427.2	3331.1
17.5°	4754.6	4716.8	4568.6	4163.4	3857.6	3534.4	3293.2	3257.0	3424.1	3618.0	3573.8
20°	4868.1	4825.6	4653.7	4195.0	3832.4	3405.2	3107.2	3170.3	3391.0	3622.7	3693.7
22.5°	4991.1	4956.4	4749.9	4240.7	3800.9	3227.0	2951.1	3105.6	3334.2	3537.6	3644.8
25°	5188.1	5145.6	4899.7	4321.1	3785.1	3059.9	2839.2	3042.6	3255.4	3439.8	3523.4
27.5°	5473.5	5394.7	5104.6	4461.4	3802.4	2902.3	2768.3	2965.3	3164.0	3321.6	3389.4
30°	5784.0	5689.5	5331.6	4606.4	3827.7	2806.1	2730.4	2877.0	3023.7	3181.3	3255.4
32.5°	6151.4	6067.8	5574.4	4715.2	3774.1	2762.0	2702.1	2780.9	2897.5	3023.7	3085.1
35°	6589.6	6439.9	5839.2	4803.5	3600.6	2697.3	2676.8	2675.3	2736.7	2859.7	2929.1
37.5°	7061.0	6900.2	6165.6	4898.1	3331.1	2594.9	2616.9	2550.7	2607.5	2705.2	2784.0
40°	7447.2	7278.5	6495.0	5027.3	2993.7	2434.1	2484.5	2413.6	2448.2	2549.1	2637.4
42.5°	7825.6	7645.9	6802.4	5174.0	2667.4	2276.4	2301.6	2274.8	2285.9	2391.5	2514.5
45°	8322.2	8120.4	7180.8	5278.0	2374.2	2151.9	2128.2	2082.5	2140.8	2278.0	2408.8
47.5°	9151.4	8910.2	7800.3	5345.8	2161.3	2080.9	1972.2	1945.4	2017.9	2170.8	2306.4
50°	10120.9	9912.8	8790.4	5342.6	2002.1	2021.0	1820.8	1797.2	1917.0	2071.5	2214.9
52.5°	10915.4	10704.2	9636.9	5185.0	1871.3	1893.3	1732.5	1666.3	1830.3	1973.7	2117.2
55°	11557.1	11319.0	10026.3	4526.0	1705.7	1690.0	1636.4	1515.0	1721.5	1876.0	2010.0
57.5°	11211.8	10928.1	9555.0	3441.4	1535.5	1436.2	1470.8	1381.0	1573.3	1767.2	1896.5
60°	9400.5	9145.1	7762.5	1831.9	1351.0	1199.7	1272.2	1286.4	1410.9	1636.4	1768.8
62.5°	6457.2	6271.2	5260.7	1111.4	1065.7	963.2	1076.7	1179.2	1272.2	1463.0	1578.0
65°	3159.2	3104.1	2631.1	712.6	745.7	778.8	892.3	1016.8	1154.0	1321.1	1442.5
67.5°	870.2	876.5	797.7	556.5	588.0	679.5	769.3	868.6	1005.8	1160.3	1283.2
70°	383.1	389.4	402.0	428.8	488.7	572.3	665.3	767.7	893.9	1023.1	1141.4
72.5°	266.4	272.7	291.6	326.3	379.9	458.8	547.0	644.8	775.6	884.4	982.1
75°	164.0	168.7	186.0	216.0	252.2	312.1	398.8	488.7	603.8	703.1	789.8
77.5°	86.7	83.6	94.6	115.1	146.6	178.1	236.5	293.2	375.2	455.6	528.1
80°	47.3	45.7	52.0	63.1	72.5	97.7	137.2	175.0	222.3	268.0	307.4
82.5°	20.5	18.9	20.5	26.8	33.1	47.3	69.4	96.2	123.0	154.5	179.7
85°	0.0	0.0	0.0	1.6	7.9	12.6	23.6	34.7	50.4	69.4	85.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	14.2
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°	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5
2.5°	3313.7	3274.3	3271.2	3239.6	3242.8	3244.4	3212.8	3200.2	3211.3	3223.9	3217.6
5°	3168.7	3127.7	3110.4	3080.4	3077.3	3063.1	3050.5	3034.7	3045.7	3056.8	3063.1
7.5°	3042.6	3015.8	3004.7	2996.9	3000.0	2993.7	2968.5	2954.3	2952.7	2957.4	2963.8
10°	3001.6	2979.5	2993.7	3015.8	3031.5	3042.6	3015.8	2992.1	2970.1	2960.6	2960.6
12.5°	3089.9	3061.5	3089.9	3113.5	3145.0	3152.9	3123.0	3097.8	3089.9	3099.3	3118.2
15°	3285.4	3219.1	3217.6	3231.8	3257.0	3269.6	3241.2	3228.6	3228.6	3288.5	3335.8
17.5°	3480.8	3372.1	3326.3	3318.5	3334.2	3339.0	3315.3	3304.3	3332.6	3449.3	3537.6
20°	3618.0	3485.6	3386.2	3367.3	3372.1	3373.6	3354.7	3346.8	3387.8	3529.7	3603.8
22.5°	3603.8	3506.1	3384.7	3361.0	3368.9	3365.8	3348.4	3345.3	3378.4	3501.3	3536.0
25°	3506.1	3430.4	3327.9	3312.2	3324.8	3323.2	3305.8	3298.0	3312.2	3394.1	3397.3
27.5°	3394.1	3327.9	3239.6	3234.9	3255.4	3266.4	3236.5	3212.8	3208.1	3263.3	3250.7
30°	3260.1	3211.3	3140.3	3143.5	3181.3	3187.6	3151.4	3116.7	3107.2	3137.2	3119.8
32.5°	3100.9	3085.1	3047.3	3055.2	3091.4	3104.1	3066.2	3030.0	3018.9	3028.4	2992.1
35°	2965.3	2959.0	2962.2	2976.4	3007.9	3017.4	2985.8	2957.4	2941.7	2908.6	2861.3
37.5°	2825.0	2842.4	2888.1	2914.9	2932.2	2929.1	2911.7	2891.2	2866.0	2804.5	2746.2
40°	2694.2	2738.3	2820.3	2850.2	2856.6	2858.1	2845.5	2828.2	2796.6	2714.7	2648.5
42.5°	2593.3	2642.2	2750.9	2796.6	2799.8	2803.0	2790.3	2776.2	2732.0	2623.2	2558.6
45°	2487.7	2552.3	2680.0	2735.2	2732.0	2730.4	2719.4	2713.1	2661.1	2535.0	2464.0
47.5°	2397.8	2473.5	2610.6	2657.9	2656.3	2654.8	2646.9	2646.9	2594.9	2457.7	2377.3
50°	2309.5	2396.2	2539.7	2579.1	2582.2	2579.1	2575.9	2580.7	2519.2	2372.6	2293.8
52.5°	2213.4	2311.1	2460.9	2497.1	2516.0	2523.9	2523.9	2512.9	2440.4	2287.5	2200.7
55°	2107.7	2200.7	2374.2	2423.0	2438.8	2453.0	2453.0	2430.9	2363.1	2208.6	2115.6
57.5°	1976.9	2058.9	2196.0	2244.9	2282.7	2292.2	2292.2	2255.9	2200.7	2052.6	1976.9
60°	1835.0	1905.9	1999.0	2051.0	2079.4	2060.4	2074.6	2065.2	2021.0	1883.9	1820.8
62.5°	1645.8	1718.3	1820.8	1874.4	1887.0	1868.1	1887.0	1885.5	1825.5	1702.6	1626.9
65°	1510.3	1581.2	1682.1	1751.5	1771.9	1767.2	1779.8	1760.9	1686.8	1570.2	1497.6
67.5°	1349.5	1425.1	1541.8	1619.0	1661.6	1666.3	1683.7	1644.3	1568.6	1440.9	1349.5
70°	1196.5	1261.2	1351.0	1423.5	1483.5	1513.4	1516.6	1459.8	1365.2	1259.6	1193.4
72.5°	1035.7	1101.9	1210.7	1289.5	1365.2	1399.9	1399.9	1330.5	1228.1	1111.4	1040.5
75°	840.3	901.7	1001.1	1086.2	1172.9	1217.0	1215.5	1155.5	1042.0	931.7	857.6
77.5°	569.1	614.8	677.9	742.5	755.1	789.8	807.2	731.5	668.4	608.5	542.3
80°	331.1	359.4	394.1	430.4	438.3	449.3	420.9	392.5	359.4	320.0	290.1
82.5°	193.9	212.8	230.2	258.5	263.3	266.4	241.2	228.6	201.8	178.1	159.2
85°	94.6	100.9	116.7	130.8	124.5	121.4	110.4	97.7	86.7	77.2	67.8
87.5°	18.9	18.9	28.4	26.8	22.1	18.9	11.0	14.2	3.2	3.2	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°	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5
2.5°	3238.1	3264.9	3298.0	3342.1	3392.6	3446.2	3498.2	3537.6	3577.0	3635.3	3625.9
5°	3072.5	3118.2	3170.3	3238.1	3320.0	3413.0	3517.1	3621.1	3733.1	3827.7	3868.6
7.5°	2976.4	3026.8	3088.3	3176.6	3282.2	3395.7	3542.3	3711.0	3892.3	4016.8	4094.1
10°	2976.4	3041.0	3121.4	3206.5	3299.5	3416.2	3597.5	3808.7	4042.1	4206.0	4295.9
12.5°	3148.2	3212.8	3230.2	3227.0	3279.0	3408.3	3641.6	3911.2	4190.2	4363.7	4474.0
15°	3416.2	3438.3	3307.4	3187.6	3195.5	3351.6	3662.1	3993.2	4317.9	4526.0	4645.8
17.5°	3595.9	3537.6	3304.3	3094.6	3050.5	3255.4	3662.1	4072.0	4453.5	4688.4	4800.3
20°	3610.1	3465.1	3223.9	3004.7	2891.2	3127.7	3636.9	4131.9	4584.4	4844.5	4964.3
22.5°	3485.6	3342.1	3138.7	2927.5	2760.4	2973.2	3595.9	4177.6	4696.3	4991.1	5139.3
25°	3343.7	3223.9	3052.0	2848.7	2670.5	2817.1	3558.1	4254.9	4852.4	5189.7	5339.5
27.5°	3205.0	3104.1	2948.0	2782.5	2620.1	2681.6	3534.4	4368.4	5038.4	5471.9	5601.2
30°	3069.4	2977.9	2836.1	2719.4	2593.3	2593.3	3513.9	4499.2	5284.3	5788.8	5918.0
32.5°	2932.2	2845.5	2730.4	2657.9	2577.5	2558.6	3457.2	4622.2	5538.1	6135.6	6268.0
35°	2804.5	2717.8	2629.5	2599.6	2569.6	2531.8	3316.9	4718.4	5785.6	6540.8	6654.3
37.5°	2684.7	2601.2	2535.0	2527.1	2530.2	2459.3	3096.2	4798.8	6094.6	6955.4	7015.3
40°	2580.7	2487.7	2435.6	2434.1	2449.8	2342.6	2817.1	4913.8	6447.7	7306.9	7281.7
42.5°	2487.7	2389.9	2326.9	2341.1	2331.6	2226.0	2544.4	5019.5	6755.2	7636.4	7585.9
45°	2396.2	2301.6	2213.4	2233.9	2222.8	2153.5	2312.7	5096.7	7095.7	8032.1	8038.4
47.5°	2307.9	2214.9	2126.7	2101.4	2099.9	2131.4	2134.5	5121.9	7650.6	8669.0	8525.5
50°	2226.0	2133.0	2041.5	1956.4	1989.5	2087.2	2002.1	5103.0	8481.4	9372.1	8971.7
52.5°	2140.8	2052.6	1951.7	1798.7	1885.5	1981.6	1883.9	5035.2	8989.0	9993.2	9753.6
55°	2043.1	1959.5	1822.4	1636.4	1742.0	1762.5	1762.5	4379.4	9205.0	10608.0	10756.2
57.5°	1912.3	1801.9	1584.3	1434.6	1529.2	1450.3	1633.2	3064.6	8848.7	10414.1	10989.5
60°	1764.1	1645.8	1415.7	1308.5	1336.8	1198.1	1392.0	1921.7	7333.7	8861.3	9857.6
62.5°	1568.6	1459.8	1269.1	1185.5	1127.2	977.4	1120.9	1215.5	5027.3	6580.2	7259.6
65°	1437.7	1317.9	1147.7	1037.3	917.5	786.7	744.1	797.7	2703.6	3682.6	4141.4
67.5°	1283.2	1165.0	1004.2	865.5	769.3	674.7	600.6	581.7	927.0	1226.5	1327.4
70°	1136.6	1023.1	889.1	759.9	663.7	570.7	498.2	446.1	428.8	425.6	419.3
72.5°	986.9	881.2	769.3	649.5	543.9	458.8	394.1	334.2	309.0	301.1	293.2
75°	808.7	725.2	613.2	484.0	398.8	320.0	269.6	230.2	208.1	200.2	190.8
77.5°	520.2	482.4	384.7	312.1	241.2	190.8	164.0	138.7	124.5	121.4	113.5
80°	277.5	258.5	212.8	179.7	143.5	116.7	102.5	88.3	80.4	77.2	74.1
82.5°	154.5	140.3	118.2	104.0	83.6	70.9	63.1	56.8	52.0	50.4	48.9
85°	69.4	59.9	47.3	44.1	39.4	36.3	34.7	31.5	30.0	28.4	26.8
87.5°	3.2	6.3	7.9	6.3	6.3	9.5	11.0	11.0	9.5	9.5	7.9
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: P635785

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5	3452.5
2.5°	3684.2	3731.5	3736.2	3752.0	3731.5	3726.8	3693.7	3674.7	3657.4	3652.7
5°	3971.1	4065.7	4103.5	4130.3	4105.1	4092.5	4020.0	3944.3	3901.8	3881.3
7.5°	4265.9	4407.8	4481.9	4515.0	4518.1	4461.4	4336.9	4195.0	4124.0	4097.2
10°	4529.2	4704.2	4801.9	4865.0	4842.9	4773.5	4603.3	4410.9	4321.1	4297.4
12.5°	4724.7	4891.8	4967.4	5008.4	5006.9	4969.0	4808.2	4600.1	4497.7	4474.0
15°	4850.8	4950.1	4954.8	4964.3	4991.1	5041.5	4958.0	4765.7	4652.1	4619.0
17.5°	4950.1	4910.7	4836.6	4811.4	4871.3	5011.6	5062.0	4906.0	4783.0	4754.6
20°	5013.2	4814.5	4683.7	4634.8	4704.2	4932.8	5125.1	5032.1	4904.4	4868.1
22.5°	5062.0	4724.7	4513.4	4480.3	4552.8	4847.6	5189.7	5181.8	5041.5	4991.1
25°	5139.3	4664.8	4393.6	4370.0	4437.7	4806.6	5276.4	5385.2	5260.7	5188.1
27.5°	5260.7	4658.5	4332.1	4324.2	4417.3	4842.9	5401.0	5683.2	5527.1	5473.5
30°	5429.3	4718.4	4346.3	4362.1	4475.6	4973.7	5594.9	6023.7	5867.6	5784.0
32.5°	5672.1	4879.2	4562.3	4630.1	4713.6	5183.4	5878.6	6392.6	6274.3	6151.4
35°	5992.1	5320.6	5200.8	5489.3	5410.4	5642.2	6220.7	6840.3	6696.8	6589.6
37.5°	6419.4	6225.5	6335.8	6733.1	6542.3	6509.2	6638.5	7247.0	7168.2	7061.0
40°	7018.4	7057.8	7261.2	7783.0	7507.1	7294.3	7150.8	7552.8	7579.6	7447.2
42.5°	7415.7	7597.0	8087.3	8680.0	8300.1	7790.9	7579.6	7943.8	7945.4	7825.6
45°	7563.9	8038.4	9063.1	9745.7	9110.4	8074.7	7816.1	8475.1	8459.3	8322.2
47.5°	7510.3	8410.4	10076.8	11120.4	10150.9	8276.4	7783.0	9231.8	9359.5	9151.4
50°	7398.3	8784.1	11260.7	12804.0	11427.8	8490.8	7732.6	10070.5	10281.7	10120.9
52.5°	7511.9	9200.2	12660.6	14544.5	13029.5	8832.9	8073.1	11147.2	11109.3	10915.4
55°	7871.3	9692.1	14361.6	16731.0	14788.8	9411.5	8948.0	12173.5	11788.8	11557.1
57.5°	7853.9	10043.7	15852.9	18460.4	16319.6	9886.0	9252.3	12282.2	11505.0	11211.8
60°	7128.8	9882.9	16420.5	19554.5	16781.5	9624.3	8251.2	10970.6	9707.9	9400.5
62.5°	5320.6	8769.9	15320.1	18184.5	15474.6	8312.7	6205.0	7874.4	6975.9	6457.2
65°	3403.6	6860.8	12879.7	14732.1	12755.2	6357.9	3695.2	4221.8	3307.4	3159.2
67.5°	1448.8	4842.9	10012.1	9846.6	9542.3	4119.3	1426.7	1188.7	886.0	870.2
70°	479.2	3294.8	6171.9	6567.6	5698.9	2837.6	471.4	398.8	397.3	383.1
72.5°	313.7	1768.8	3474.5	3868.6	3666.9	1633.2	285.3	266.4	272.7	266.4
75°	187.6	384.7	584.9	759.9	584.9	274.3	171.8	168.7	171.8	164.0
77.5°	110.4	107.2	104.0	104.0	102.5	94.6	86.7	83.6	85.1	86.7
80°	70.9	67.8	64.6	63.1	55.2	52.0	48.9	45.7	45.7	47.3
82.5°	45.7	42.6	39.4	34.7	28.4	23.6	22.1	18.9	18.9	20.5
85°	23.6	18.9	14.2	11.0	6.3	3.2	0.0	0.0	0.0	0.0
87.5°	4.7	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)