

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: P635294

Luminaire Tested: GWS-SA3D-740-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635294
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-SA3D-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: 13768.7 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

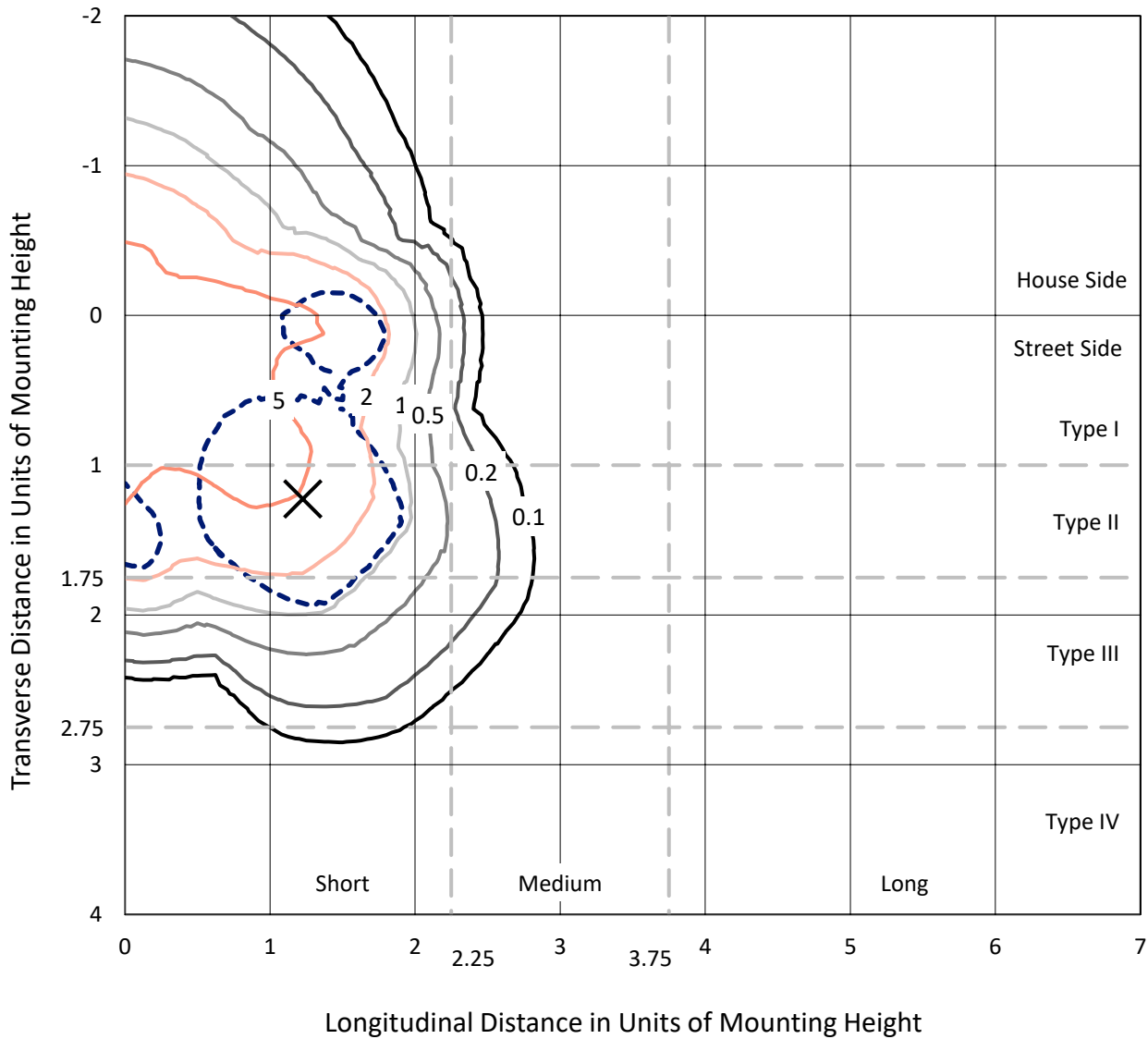
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

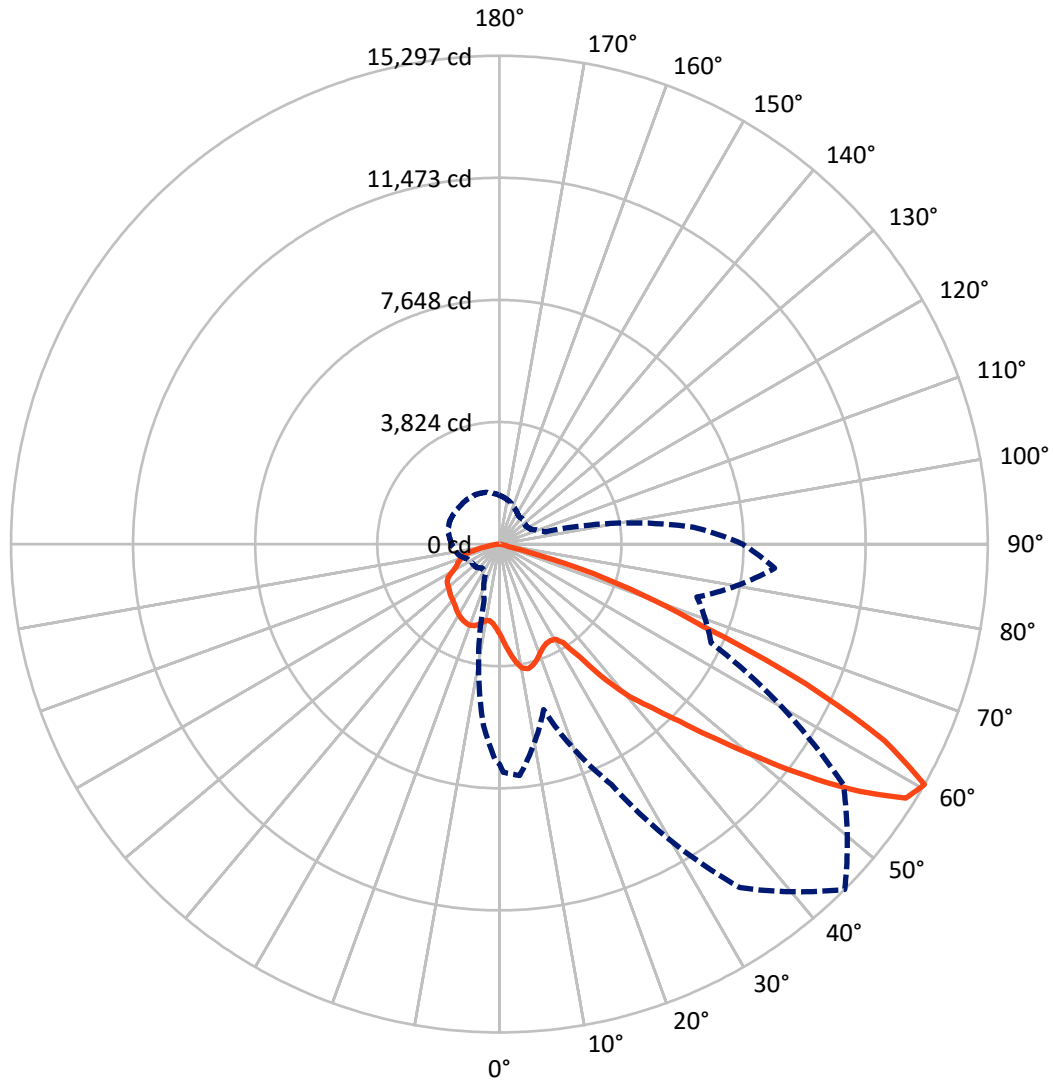
✕ Max cd
 - - - 1/2 Max cd



Based on 20 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 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4826.4	0.0	4826.4
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	8942.3	0.0	8942.3
	% Fixture	64.9	0.0	64.9
Total	Lumens	13768.7	0.0	13768.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.0	2.0
10°-20°	872.1	6.3
20°-30°	1416.6	10.3
30°-40°	1997.8	14.5
40°-50°	2760.8	20.1
50°-60°	3554.0	25.8
60°-70°	2251.9	16.4
70°-80°	577.8	4.2
80°-90°	61.8	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°	13768.7	100.0
0°-180°	13768.7	100.0

Coefficient of Utilization



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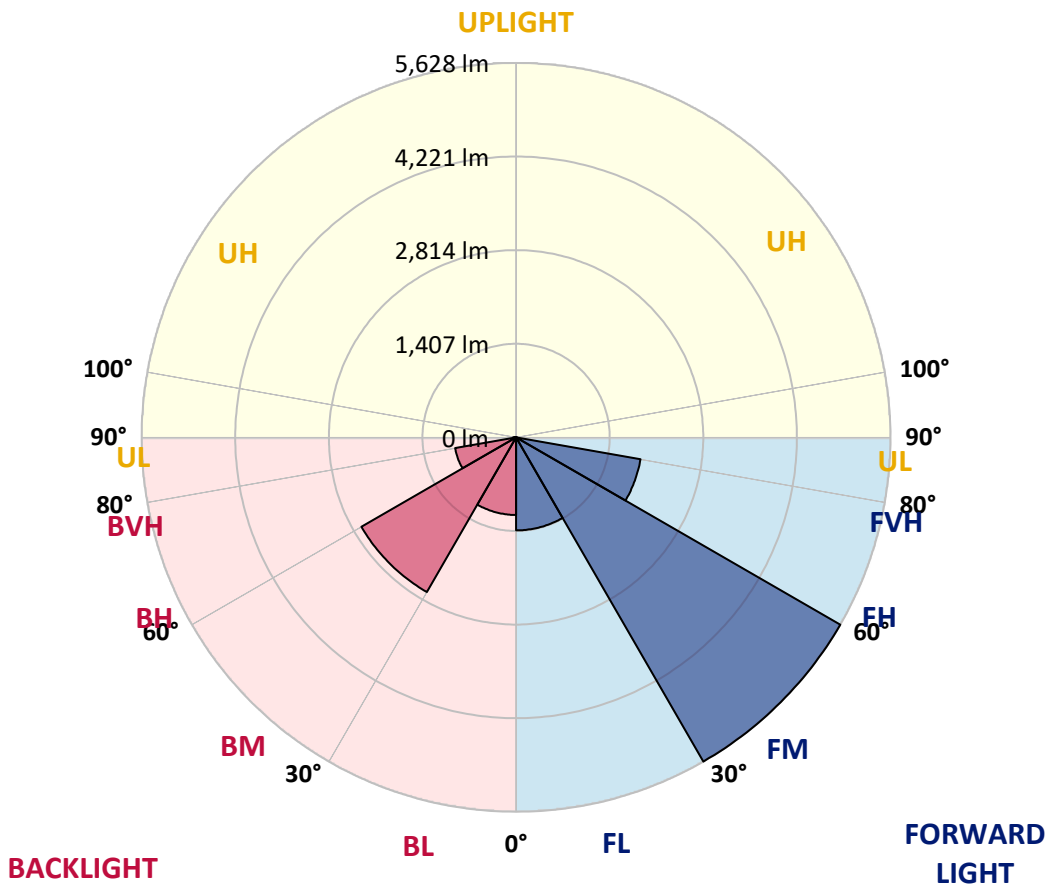
CATALOG NUMBER: GWS-SA3D-740-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1398.0	10.2			
FM (30°-60°)	5627.8	40.9			
FH (60°-80°)	1899.6	13.8			G2/5000
FVH (80°-90°)	16.8	0.1			G1/100
BL (0°-30°)	1166.5	8.5	B3/2500		
BM (30°-60°)	2684.8	19.5	B3/5000		
BH (60°-80°)	930.1	6.8	B2/1000		G2/1000
BVH (80°-90°)	45.0	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5
2.5°	2958.4	2978.6	2991.2	3015.2	3058.1	3082.1	3108.6	3079.6	3087.1	3083.3	3036.7
5°	3133.8	3157.8	3190.6	3261.2	3340.7	3384.9	3426.5	3420.2	3381.1	3315.5	3268.8
7.5°	3297.8	3325.6	3382.3	3497.1	3614.5	3682.6	3733.1	3700.3	3667.5	3564.0	3446.7
10°	3426.5	3442.9	3519.8	3673.8	3810.0	3887.0	3948.8	3941.2	3895.8	3779.7	3622.0
12.5°	3547.6	3559.0	3642.2	3796.1	3918.5	3952.6	4003.0	4019.4	4004.3	3917.3	3762.1
15°	3677.5	3699.0	3776.0	3893.3	3948.8	3913.5	3931.1	3976.5	4019.4	4019.4	3876.9
17.5°	3798.7	3817.6	3895.8	3946.3	3893.3	3799.9	3805.0	3863.0	3965.2	4072.4	3981.6
20°	3905.9	3923.6	4000.5	3952.6	3784.8	3648.5	3644.7	3715.4	3880.7	4106.5	4093.9
22.5°	4023.2	4048.5	4112.8	3957.6	3683.9	3511.0	3509.8	3582.9	3806.2	4140.6	4222.6
25°	4189.8	4228.9	4261.7	4001.8	3629.6	3421.4	3437.8	3507.2	3782.3	4196.1	4413.1
27.5°	4437.0	4468.6	4466.0	4093.9	3627.1	3384.9	3418.9	3499.7	3825.2	4294.5	4613.7
30°	4704.5	4720.9	4694.4	4222.6	3685.1	3407.6	3458.0	3553.9	3933.7	4457.2	4908.9
32.5°	5001.0	5021.1	4970.7	4415.6	3820.1	3575.4	3686.4	3733.1	4086.3	4691.9	5221.7
35°	5341.6	5380.7	5276.0	4670.4	4217.5	4187.2	4348.7	4288.2	4410.5	4969.4	5556.1
37.5°	5699.9	5701.1	5551.0	5047.6	4997.2	5048.9	5371.9	5182.6	5098.1	5278.5	5896.7
40°	6003.9	5996.4	5765.5	5556.1	5675.9	5881.6	6271.4	5981.2	5759.2	5693.6	6179.3
42.5°	6308.0	6280.2	6046.8	5879.0	6144.0	6566.6	7006.9	6651.1	6183.1	6070.8	6458.1
45°	6696.5	6687.7	6406.4	6007.7	6566.6	7333.6	7917.8	7341.2	6434.1	6290.3	6922.4
47.5°	7323.6	7280.7	6757.1	5997.6	6962.7	8355.5	9093.6	8210.5	6609.5	6295.4	7671.8
50°	7936.7	7883.7	7175.9	5996.4	7371.5	9415.3	10481.3	9266.4	6788.6	6325.6	8433.8
52.5°	8556.1	8556.1	7863.5	6138.9	7800.4	10598.7	12084.8	10582.3	7093.9	6721.8	9371.1
55°	8924.5	9022.9	8636.9	6379.9	8302.6	11991.5	13670.6	12002.8	7565.8	7437.1	10236.6
57.5°	8456.5	8640.7	8585.1	6212.1	8599.0	13014.6	15015.5	13080.2	7799.2	7521.6	10106.6
60°	6890.8	7146.9	7274.4	5364.3	8306.3	13133.2	15296.8	13150.9	7317.2	6405.1	8657.1
62.5°	4580.8	4791.5	4985.8	3832.7	7191.1	11814.8	13529.3	11818.6	6111.2	4780.2	5997.6
65°	2246.9	2403.3	2612.8	2265.8	5617.9	9872.0	10548.2	9550.3	4420.6	2675.8	3059.4
67.5°	587.9	632.1	661.1	879.3	4024.5	7092.7	6879.5	6985.4	2839.8	874.3	799.9
70°	305.3	307.8	306.6	363.3	2720.0	4507.7	4741.1	4386.6	1982.0	365.9	315.4
72.5°	218.3	219.5	215.7	244.7	1313.3	2582.5	2675.8	2646.8	1038.3	217.0	215.7
75°	142.6	143.8	141.3	143.8	198.1	294.0	271.2	285.1	172.8	137.5	137.5
77.5°	84.5	85.8	84.5	87.1	84.5	84.5	78.2	78.2	74.4	74.4	75.7
80°	56.8	56.8	55.5	58.0	53.0	53.0	50.5	49.2	45.4	44.2	44.2
82.5°	34.1	35.3	34.1	34.1	31.5	31.5	29.0	27.8	24.0	24.0	22.7
85°	17.7	17.7	16.4	16.4	13.9	12.6	10.1	10.1	7.6	6.3	6.3
87.5°	2.5	2.5	1.3	1.3	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°	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5
2.5°	3024.0	2998.8	2961.0	2924.4	2890.3	2855.0	2814.6	2773.0	2737.7	2701.1	2682.1
5°	3207.0	3155.2	3056.8	2969.8	2891.6	2827.2	2757.8	2698.6	2643.0	2597.6	2574.9
7.5°	3372.2	3291.5	3142.6	3005.1	2899.1	2810.8	2715.0	2626.6	2552.2	2496.7	2475.2
10°	3524.9	3429.0	3233.5	3059.4	2935.7	2837.3	2720.0	2600.1	2501.7	2428.6	2410.9
12.5°	3648.5	3538.8	3305.4	3103.5	2957.2	2851.2	2747.8	2644.3	2547.2	2452.5	2437.4
15°	3758.3	3628.3	3359.6	3131.3	2949.6	2814.6	2727.6	2715.0	2715.0	2607.7	2577.4
17.5°	3852.9	3710.3	3403.8	3143.9	2901.7	2706.1	2653.1	2762.9	2886.5	2809.6	2741.4
20°	3961.4	3788.6	3440.4	3143.9	2813.4	2568.6	2563.6	2750.3	2933.2	2934.5	2862.6
22.5°	4071.2	3879.4	3483.3	3132.5	2692.2	2409.6	2503.0	2699.8	2862.6	2931.9	2882.7
25°	4249.0	4005.6	3551.4	3123.7	2550.9	2301.1	2448.8	2632.9	2770.5	2843.6	2812.1
27.5°	4474.9	4172.1	3654.8	3137.6	2410.9	2236.8	2390.7	2545.9	2670.8	2735.1	2712.4
30°	4727.2	4363.9	3765.9	3161.6	2310.0	2204.0	2321.3	2446.2	2557.3	2621.6	2611.5
32.5°	5048.9	4572.0	3861.7	3128.8	2253.2	2187.6	2248.2	2337.7	2445.0	2485.3	2494.2
35°	5433.7	4801.6	3934.9	3000.1	2201.5	2169.9	2168.7	2224.2	2299.9	2364.2	2370.5
37.5°	5788.2	5070.3	4015.7	2779.3	2108.1	2125.8	2075.3	2108.1	2182.6	2246.9	2272.1
40°	6138.9	5342.9	4127.9	2498.0	1985.7	2027.4	1968.1	1990.8	2050.1	2134.6	2175.0
42.5°	6479.5	5588.9	4246.5	2210.3	1863.4	1889.9	1845.7	1868.4	1930.2	2036.2	2081.6
45°	6850.5	5921.9	4338.6	1939.1	1757.4	1746.0	1710.7	1743.5	1836.9	1952.9	2007.2
47.5°	7551.9	6446.7	4399.2	1758.7	1700.6	1618.6	1578.3	1648.9	1754.9	1872.2	1937.8
50°	8408.5	7206.2	4381.5	1643.9	1651.4	1487.4	1473.5	1566.9	1680.4	1802.8	1874.7
52.5°	9087.3	7951.8	4180.9	1534.1	1555.5	1404.2	1363.8	1500.0	1608.5	1733.4	1807.9
55°	9605.8	8202.9	3565.3	1404.2	1399.1	1343.6	1259.1	1430.6	1536.6	1652.7	1733.4
57.5°	9183.1	7644.0	2643.0	1225.0	1194.7	1223.7	1141.7	1313.3	1448.3	1563.1	1635.0
60°	7621.3	6094.8	1472.3	1085.0	999.2	1069.8	1057.2	1189.7	1352.4	1473.5	1535.4
62.5°	5173.8	4058.5	873.0	857.9	809.9	910.9	977.7	1064.8	1225.0	1323.4	1381.4
65°	2578.7	1971.9	580.3	642.2	648.5	749.4	875.5	971.4	1105.2	1206.1	1264.1
67.5°	748.1	613.1	441.6	490.8	558.9	639.6	740.6	854.1	984.0	1103.9	1172.0
70°	323.0	326.8	350.7	408.8	475.6	558.9	659.8	770.8	880.6	972.7	1024.4
72.5°	228.3	237.2	263.7	323.0	386.0	465.5	566.5	673.7	753.2	846.5	900.8
75°	146.3	152.7	174.1	219.5	266.2	343.2	439.0	537.4	619.4	686.3	738.0
77.5°	80.7	82.0	99.7	126.2	157.7	206.9	277.6	354.5	415.1	452.9	499.6
80°	46.7	46.7	55.5	71.9	90.8	121.1	160.2	198.1	234.7	258.6	281.3
82.5°	25.2	25.2	29.0	39.1	49.2	66.9	89.6	108.5	131.2	143.8	159.0
85°	7.6	7.6	10.1	13.9	17.7	25.2	35.3	45.4	55.5	64.3	73.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
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°	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5
2.5°	2678.4	2660.7	2650.6	2638.0	2641.8	2630.4	2624.1	2627.9	2605.2	2627.9	2650.6
5°	2566.1	2540.9	2520.7	2504.3	2496.7	2481.6	2472.7	2472.7	2458.8	2481.6	2509.3
7.5°	2467.7	2447.5	2437.4	2427.3	2416.0	2402.1	2386.9	2381.9	2373.1	2397.0	2421.0
10°	2402.1	2404.6	2410.9	2424.8	2422.3	2413.4	2390.7	2378.1	2378.1	2405.9	2442.4
12.5°	2432.4	2458.8	2474.0	2499.2	2504.3	2496.7	2474.0	2463.9	2489.1	2530.8	2591.3
15°	2549.7	2567.3	2580.0	2600.1	2598.9	2592.6	2574.9	2582.5	2665.7	2746.5	2800.7
17.5°	2677.1	2656.9	2654.4	2667.0	2670.8	2663.2	2653.1	2687.2	2824.7	2900.4	2928.2
20°	2769.2	2699.8	2684.7	2689.7	2699.8	2696.0	2696.0	2751.5	2894.1	2929.4	2894.1
22.5°	2797.0	2698.6	2675.8	2677.1	2691.0	2692.2	2698.6	2756.6	2839.8	2841.1	2786.9
25°	2752.8	2658.2	2641.8	2644.3	2660.7	2659.4	2662.0	2694.8	2731.4	2716.2	2675.8
27.5°	2669.5	2587.5	2582.5	2596.4	2617.8	2606.5	2598.9	2607.7	2625.4	2606.5	2571.1
30°	2574.9	2505.5	2508.0	2534.5	2557.3	2538.3	2519.4	2524.5	2525.7	2505.5	2465.2
32.5°	2475.2	2423.5	2432.4	2460.1	2486.6	2466.4	2446.2	2443.7	2419.7	2395.8	2356.7
35°	2375.6	2355.4	2366.8	2389.5	2412.2	2395.8	2383.2	2375.6	2323.9	2288.5	2255.7
37.5°	2284.7	2299.9	2320.1	2333.9	2341.5	2340.3	2332.7	2315.0	2246.9	2205.3	2162.4
40°	2204.0	2250.7	2272.1	2278.4	2289.8	2287.3	2286.0	2260.8	2171.2	2127.0	2077.8
42.5°	2130.8	2196.4	2233.0	2239.3	2245.6	2246.9	2243.1	2206.5	2104.3	2052.6	2005.9
45°	2060.2	2146.0	2192.7	2186.3	2195.2	2195.2	2199.0	2151.0	2038.7	1985.7	1936.5
47.5°	1998.4	2099.3	2142.2	2134.6	2139.7	2143.4	2147.2	2091.7	1966.8	1916.4	1865.9
50°	1941.6	2048.8	2085.4	2087.9	2087.9	2096.8	2095.5	2041.3	1906.3	1852.0	1801.6
52.5°	1881.0	1997.1	2036.2	2052.6	2057.7	2061.4	2043.8	1980.7	1844.5	1778.8	1732.2
55°	1810.4	1944.1	1979.4	2000.9	2011.0	2008.5	1984.5	1920.1	1781.4	1715.8	1662.8
57.5°	1703.2	1830.6	1881.0	1891.1	1907.5	1897.4	1869.7	1815.4	1680.4	1614.8	1560.6
60°	1585.8	1677.9	1718.3	1727.1	1714.5	1718.3	1714.5	1662.8	1545.5	1493.7	1438.2
62.5°	1431.9	1513.9	1556.8	1568.2	1546.7	1560.6	1555.5	1491.2	1373.9	1319.6	1270.4
65°	1315.8	1405.4	1455.9	1462.2	1455.9	1462.2	1444.5	1366.3	1255.3	1199.8	1149.3
67.5°	1225.0	1317.1	1370.1	1387.8	1381.4	1380.2	1352.4	1261.6	1146.8	1086.2	1021.9
70°	1068.6	1149.3	1217.4	1260.3	1260.3	1236.4	1183.4	1098.8	1006.8	955.0	904.6
72.5°	946.2	1048.4	1115.2	1159.4	1168.2	1154.4	1079.9	990.4	884.4	832.7	779.7
75°	779.7	879.3	951.2	1009.3	1020.6	1005.5	919.7	831.4	733.0	682.5	629.5
77.5°	521.0	580.3	638.4	691.4	680.0	690.1	632.1	565.2	504.6	466.8	442.8
80°	294.0	333.1	350.7	379.7	379.7	379.7	341.9	310.4	276.3	254.8	230.9
82.5°	166.5	191.8	199.3	223.3	229.6	230.9	205.6	185.5	164.0	152.7	136.3
85°	77.0	90.8	92.1	106.0	111.0	121.1	109.8	95.9	83.3	78.2	68.1
87.5°	2.5	7.6	10.1	18.9	25.2	29.0	31.5	31.5	26.5	24.0	20.2
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: P635294

CATALOG NUMBER: GWS-SA3D-740-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5	2828.5
2.5°	2678.4	2708.6	2744.0	2769.2	2814.6	2852.5	2891.6	2934.5	2966.0	2958.4
5°	2543.4	2593.8	2658.2	2717.5	2802.0	2887.8	2982.4	3079.6	3136.3	3133.8
7.5°	2467.7	2539.6	2617.8	2697.3	2797.0	2920.6	3065.7	3217.1	3294.0	3297.8
10°	2508.0	2585.0	2638.0	2704.9	2809.6	2964.7	3138.8	3320.5	3408.8	3426.5
12.5°	2635.5	2629.2	2625.4	2673.3	2799.5	2996.3	3209.5	3426.5	3526.2	3547.6
15°	2756.6	2626.6	2548.4	2581.2	2754.1	3016.5	3278.9	3542.6	3654.8	3677.5
17.5°	2779.3	2582.5	2437.4	2460.1	2682.1	3022.8	3345.7	3656.1	3777.2	3798.7
20°	2716.2	2525.7	2356.7	2325.1	2591.3	3006.4	3387.4	3750.7	3883.2	3905.9
22.5°	2636.7	2475.2	2296.1	2214.1	2480.3	2990.0	3434.1	3850.4	4003.0	4023.2
25°	2553.5	2410.9	2239.3	2114.4	2354.1	2979.9	3512.3	3981.6	4165.8	4189.8
27.5°	2465.2	2332.7	2190.1	2066.5	2238.1	2992.5	3623.3	4193.5	4403.0	4437.0
30°	2370.5	2254.5	2158.6	2050.1	2158.6	3003.9	3745.7	4410.5	4656.5	4704.5
32.5°	2272.1	2182.6	2125.8	2057.7	2109.4	2977.4	3852.9	4654.0	4959.3	5001.0
35°	2173.7	2109.4	2084.2	2071.5	2043.8	2880.2	3940.0	4900.0	5305.0	5341.6
37.5°	2081.6	2033.7	2026.1	2040.0	1942.9	2721.3	4040.9	5212.9	5644.4	5699.9
40°	1995.8	1951.7	1950.4	1947.9	1831.8	2504.3	4177.1	5530.8	5978.7	6003.9
42.5°	1916.4	1860.9	1870.9	1840.7	1741.0	2269.6	4305.8	5802.1	6290.3	6308.0
45°	1845.7	1772.5	1783.9	1746.0	1698.1	2023.6	4419.4	6122.5	6685.2	6696.5
47.5°	1777.6	1699.4	1667.8	1665.3	1690.5	1796.5	4530.4	6739.4	7303.4	7323.6
50°	1714.5	1630.0	1540.4	1595.9	1643.9	1626.2	4669.2	7400.5	7941.7	7936.7
52.5°	1654.0	1542.9	1415.5	1522.7	1522.7	1500.0	4630.1	7801.7	8469.1	8556.1
55°	1584.6	1402.9	1285.6	1400.4	1344.9	1386.5	3937.4	7932.9	8800.9	8924.5
57.5°	1447.0	1230.1	1127.9	1189.7	1106.4	1285.6	2828.5	7281.9	8236.9	8456.5
60°	1314.6	1102.6	1035.8	1024.4	915.9	1048.4	1833.1	5701.1	6779.8	6890.8
62.5°	1159.4	992.9	936.1	849.1	736.8	763.3	1110.2	3752.0	4555.6	4580.8
65°	1042.1	899.5	791.0	687.6	603.0	553.8	656.0	1809.1	2277.2	2246.9
67.5°	894.5	770.8	667.4	592.9	523.6	461.7	436.5	537.4	608.1	587.9
70°	796.1	677.5	577.8	507.2	442.8	381.0	336.8	316.7	310.4	305.3
72.5°	686.3	582.9	479.4	411.3	350.7	294.0	253.6	229.6	223.3	218.3
75°	547.5	450.4	355.8	291.4	238.4	198.1	171.6	151.4	147.6	142.6
77.5°	362.1	288.9	211.9	172.8	141.3	119.9	102.2	89.6	87.1	84.5
80°	199.3	166.5	129.9	104.7	84.5	73.2	66.9	59.3	58.0	56.8
82.5°	118.6	99.7	74.4	59.3	49.2	44.2	40.4	36.6	35.3	34.1
85°	59.3	46.7	32.8	27.8	25.2	22.7	22.7	18.9	17.7	17.7
87.5°	15.1	12.6	7.6	6.3	6.3	6.3	5.0	3.8	3.8	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)