

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: P642278

Luminaire Tested: GWS-SA6C-750-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15495.6 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

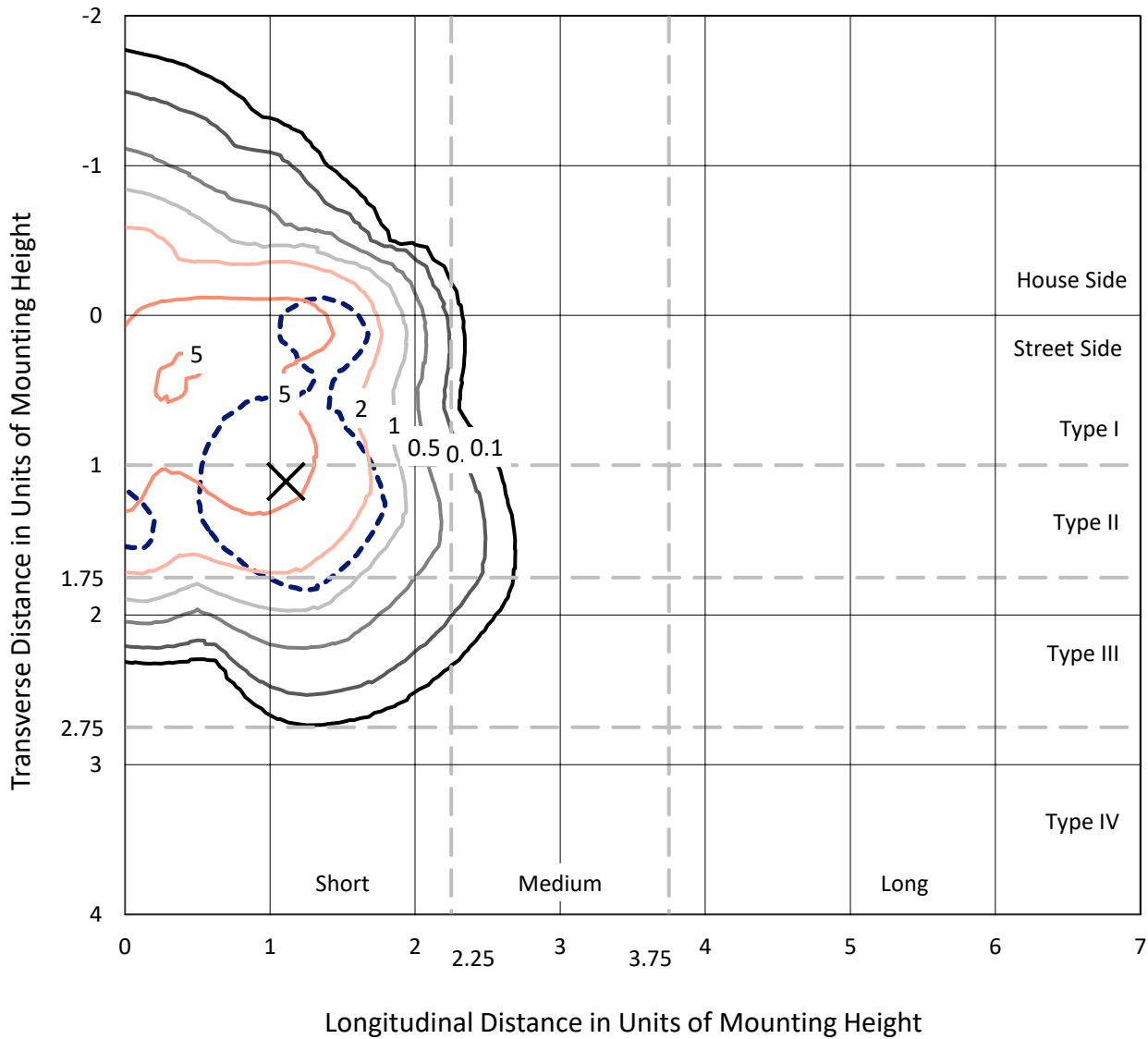
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

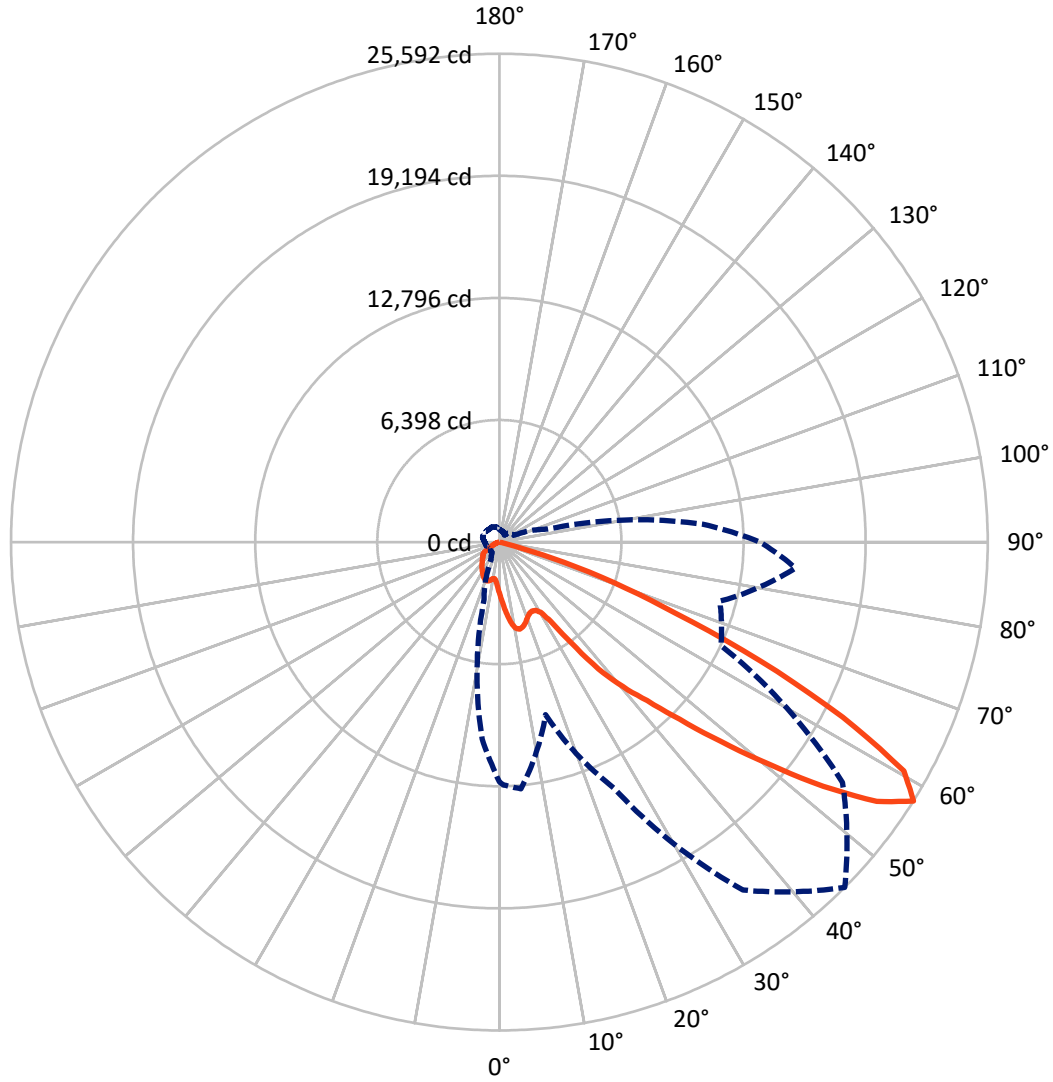
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3469.9	0.0	3469.9
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	12025.7	0.0	12025.7
	% Fixture	77.6	0.0	77.6
Total	Lumens	15495.6	0.0	15495.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.9	1.7
10°-20°	866.7	5.6
20°-30°	1408.0	9.1
30°-40°	2175.5	14.0
40°-50°	3488.5	22.5
50°-60°	4767.8	30.8
60°-70°	2309.2	14.9
70°-80°	211.4	1.4
80°-90°	0.6	0.0
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°	15495.6	100.0
0°-180°	15495.6	100.0

Coefficient of Utilization



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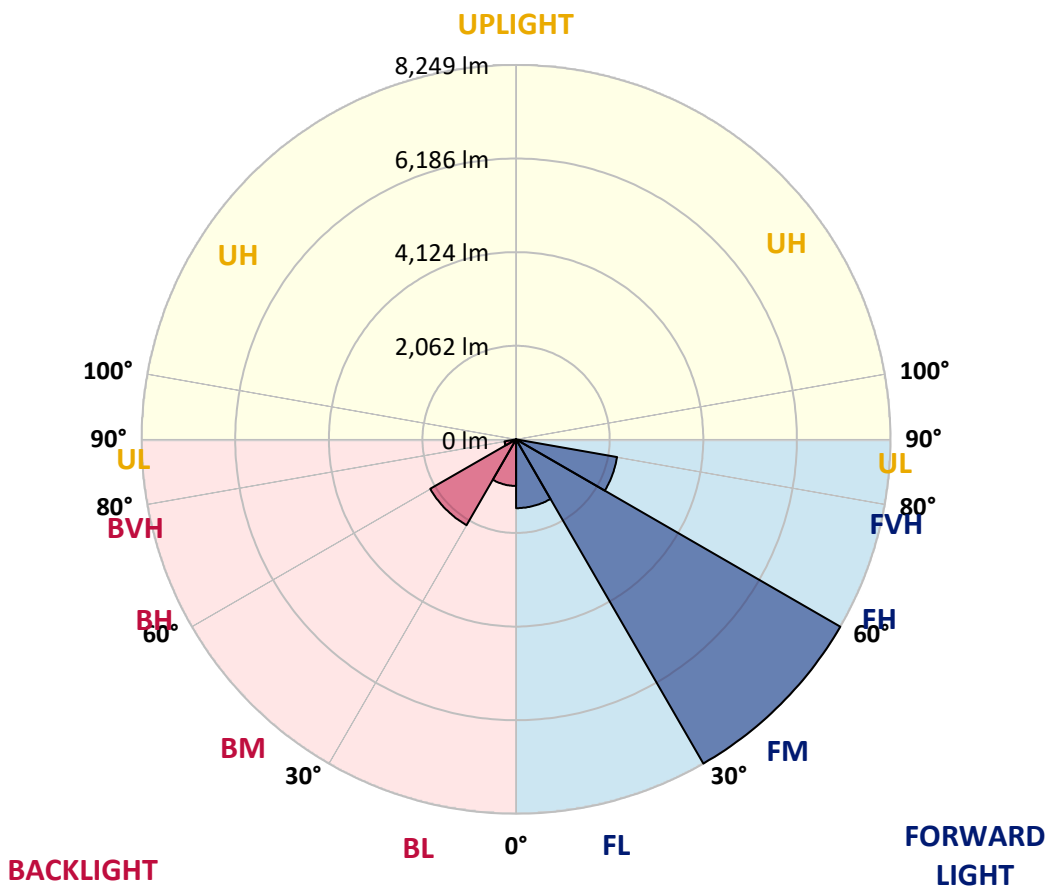
CATALOG NUMBER: GWS-SA6C-750-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1515.9	9.8			
FM (30°-60°)	8248.7	53.2			
FH (60°-80°)	2260.5	14.6			G2/5000
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1026.7	6.6	B3/2500		
BM (30°-60°)	2183.1	14.1	B2/2500		
BH (60°-80°)	260.1	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
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°	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5
2.5°	2950.5	2969.2	3000.5	3067.1	3123.3	3160.8	3177.4	3173.3	3150.4	3133.7	3100.4
5°	3267.0	3267.0	3327.4	3479.4	3596.0	3668.8	3706.3	3683.4	3637.6	3564.7	3452.3
7.5°	3543.9	3554.3	3656.3	3872.9	4049.9	4154.0	4214.4	4201.9	4120.7	3981.2	3756.3
10°	3760.5	3772.9	3908.3	4172.7	4380.9	4487.1	4576.7	4585.0	4495.5	4310.2	4052.0
12.5°	3970.8	3983.2	4124.8	4378.9	4562.1	4605.8	4685.0	4716.2	4693.3	4562.1	4293.5
15°	4197.7	4226.9	4347.6	4537.1	4614.2	4562.1	4614.2	4670.4	4747.4	4734.9	4493.4
17.5°	4420.5	4441.3	4564.2	4630.8	4545.4	4410.1	4435.1	4501.7	4676.6	4847.4	4691.2
20°	4626.6	4655.8	4757.8	4670.4	4412.2	4201.9	4204.0	4291.4	4557.9	4916.1	4893.2
22.5°	4843.2	4886.9	4959.8	4714.1	4289.3	4037.4	4047.8	4126.9	4464.2	4980.6	5122.2
25°	5126.4	5168.0	5215.9	4822.4	4249.8	3956.2	3995.7	4068.6	4464.2	5091.0	5405.4
27.5°	5509.5	5538.7	5540.7	5024.3	4318.5	3968.7	4052.0	4135.2	4597.5	5311.7	5784.4
30°	5990.5	6036.3	5975.9	5338.8	4533.0	4135.2	4258.1	4362.2	4884.8	5684.4	6342.4
32.5°	6575.6	6640.1	6558.9	5805.2	4980.6	4709.9	4932.7	4993.1	5342.9	6223.7	6975.4
35°	7262.7	7316.9	7229.4	6450.7	6025.9	6075.9	6479.8	6402.8	6263.3	6887.9	7714.6
37.5°	8016.5	8066.4	7897.8	7429.3	7570.9	7787.4	8432.9	8168.5	7718.7	7743.7	8516.2
40°	8707.8	8761.9	8497.5	8493.3	8784.8	9180.4	9959.2	9594.8	8982.6	8863.9	9267.9
42.5°	9424.0	9461.5	9222.1	9059.7	9721.8	10535.9	11360.5	10869.1	9819.7	9690.6	10209.0
45°	10446.4	10525.5	10098.7	9338.7	10565.1	12095.5	13244.9	12285.0	10390.2	10286.1	11649.9
47.5°	11949.7	12008.0	11137.7	9513.6	11350.1	14038.2	15599.8	14121.5	10892.0	10654.6	13619.7
50°	13192.8	13232.4	12093.4	9705.1	12185.0	16132.9	18283.8	16299.5	11456.3	11264.7	15458.3
52.5°	14109.0	14258.9	13349.0	10098.7	13282.4	18596.1	21255.1	18879.3	12337.0	12443.2	16982.4
55°	14298.5	14502.5	14206.9	10340.2	14248.5	21105.2	23999.4	21188.5	13215.7	13336.5	17494.6
57.5°	12566.1	12728.5	12974.2	9365.7	14225.6	22254.6	25592.3	21954.7	12815.9	11960.2	15576.9
60°	9413.6	9526.1	9971.7	7158.6	13082.5	21238.4	24351.3	20651.3	11206.4	9126.3	11868.5
62.5°	5582.4	5632.4	6196.6	4637.1	10858.7	18290.0	20195.3	17819.5	8855.6	6138.3	7269.0
65°	2142.6	2121.8	2552.8	2288.3	7985.2	14569.2	15021.0	13584.3	6075.9	2813.1	2771.4
67.5°	331.1	316.5	426.9	676.7	5759.4	10096.6	9911.3	9790.5	3806.3	655.9	572.6
70°	75.0	75.0	91.6	199.9	3518.9	5932.2	6348.6	6053.0	2436.2	139.5	75.0
72.5°	35.4	35.4	43.7	85.4	1274.3	2444.5	2848.5	2804.7	791.2	45.8	27.1
75°	12.5	14.6	14.6	18.7	77.0	127.0	291.5	208.2	50.0	0.0	0.0
77.5°	4.2	4.2	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5
2.5°	3027.5	3012.9	2958.8	2885.9	2815.1	2752.7	2688.1	2611.1	2554.9	2490.3	2469.5
5°	3364.8	3273.2	3125.4	2971.3	2829.7	2708.9	2592.3	2467.4	2375.8	2284.2	2252.9
7.5°	3650.1	3514.8	3275.3	3044.2	2850.5	2679.8	2511.1	2340.4	2207.1	2098.9	2065.5
10°	3906.2	3750.0	3429.4	3144.1	2900.5	2702.7	2498.6	2284.2	2111.4	1982.3	1951.0
12.5°	4126.9	3945.8	3560.6	3219.1	2921.3	2694.4	2496.6	2325.8	2169.7	2021.8	1982.3
15°	4312.2	4112.3	3670.9	3269.1	2890.1	2590.3	2417.4	2390.4	2377.9	2215.5	2138.4
17.5°	4493.4	4268.5	3760.5	3292.0	2802.6	2407.0	2282.1	2404.9	2536.1	2429.9	2332.1
20°	4682.9	4426.8	3852.1	3296.1	2656.9	2200.9	2180.1	2373.7	2540.3	2507.0	2415.4
22.5°	4905.7	4624.6	3966.6	3294.0	2473.7	2026.0	2105.1	2313.3	2448.7	2446.6	2373.7
25°	5228.4	4874.4	4120.7	3306.5	2273.8	1890.6	2021.8	2211.3	2321.7	2317.5	2257.1
27.5°	5574.1	5172.2	4320.6	3337.8	2103.0	1811.5	1924.0	2071.8	2167.6	2163.4	2111.4
30°	6059.2	5515.7	4512.1	3339.8	1980.2	1769.9	1815.7	1917.7	2009.3	1998.9	1959.4
32.5°	6648.5	5903.0	4672.5	3221.2	1903.1	1730.3	1703.2	1755.3	1826.1	1811.5	1801.1
35°	7360.6	6363.2	4809.9	2960.9	1784.4	1651.2	1578.3	1588.7	1638.7	1647.0	1642.9
37.5°	8172.6	6910.8	4980.6	2617.3	1624.1	1536.7	1438.8	1430.5	1459.6	1486.7	1507.5
40°	8974.3	7527.2	5211.7	2269.6	1478.4	1390.9	1297.2	1276.4	1288.9	1336.8	1380.5
42.5°	9875.9	8241.3	5461.6	1971.8	1378.4	1230.6	1141.0	1101.5	1136.9	1213.9	1266.0
45°	11175.2	9242.9	5705.2	1734.5	1336.8	1089.0	968.2	964.1	1003.6	1103.6	1161.9
47.5°	12999.2	10538.0	5865.6	1549.2	1334.7	978.6	835.0	859.9	905.8	1003.6	1070.3
50°	14777.4	12160.0	5688.6	1407.6	1291.0	905.8	735.0	785.0	830.8	916.2	984.9
52.5°	15849.7	13032.5	4999.4	1274.3	1155.6	872.4	637.2	724.6	732.9	810.0	882.9
55°	15737.3	12468.2	3829.2	1068.2	955.7	824.6	535.1	653.8	658.0	716.3	778.7
57.5°	13659.2	10704.6	2629.8	866.2	718.4	680.9	441.4	551.8	591.3	626.7	672.6
60°	10179.9	7810.3	1172.3	703.8	456.0	460.2	376.9	416.4	476.8	518.5	558.0
62.5°	5998.8	4493.4	476.8	422.7	251.9	289.4	304.0	304.0	341.5	372.7	397.7
65°	2267.5	1572.1	193.6	212.4	131.2	135.3	179.1	220.7	249.9	276.9	310.2
67.5°	397.7	274.9	99.9	79.1	77.0	68.7	91.6	143.7	160.3	181.2	195.7
70°	66.6	56.2	41.6	39.6	35.4	37.5	60.4	102.0	112.4	118.7	124.9
72.5°	18.7	16.7	12.5	10.4	8.3	10.4	37.5	79.1	83.3	87.5	93.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	14.6	56.2	60.4	62.5	68.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	16.7	20.8	16.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5
2.5°	2457.0	2415.4	2392.4	2380.0	2380.0	2363.3	2344.6	2338.3	2365.4	2365.4	2411.2
5°	2213.4	2180.1	2142.6	2119.7	2084.3	2090.5	2069.7	2067.6	2094.7	2107.2	2155.1
7.5°	2044.7	2003.1	1980.2	1965.6	1946.9	1938.5	1919.8	1913.5	1928.1	1948.9	1994.7
10°	1932.3	1926.0	1924.0	1934.4	1934.4	1924.0	1907.3	1896.9	1901.0	1940.6	1992.7
12.5°	1961.4	1973.9	1978.1	1994.7	2003.1	1994.7	1982.3	1986.4	2013.5	2086.4	2163.4
15°	2088.4	2078.0	2073.9	2082.2	2088.4	2080.1	2076.0	2107.2	2200.9	2305.0	2392.4
17.5°	2223.8	2157.2	2128.0	2128.0	2132.2	2128.0	2132.2	2192.6	2344.6	2448.7	2513.2
20°	2292.5	2169.7	2123.8	2113.4	2121.8	2123.8	2138.4	2207.1	2373.7	2446.6	2461.2
22.5°	2271.7	2117.6	2065.5	2057.2	2065.5	2073.9	2088.4	2146.7	2302.9	2340.4	2334.1
25°	2167.6	2015.6	1973.9	1973.9	1992.7	1990.6	1996.8	2038.5	2167.6	2190.5	2180.1
27.5°	2036.4	1892.7	1857.3	1878.1	1894.8	1890.6	1892.7	1928.1	2023.9	2030.1	2019.7
30°	1903.1	1778.2	1744.9	1769.9	1792.8	1788.6	1790.7	1826.1	1886.5	1880.2	1865.7
32.5°	1767.8	1676.2	1651.2	1665.8	1701.2	1697.0	1705.3	1742.8	1765.7	1738.6	1722.0
35°	1642.9	1595.0	1576.2	1584.6	1611.6	1617.9	1632.4	1657.4	1657.4	1624.1	1595.0
37.5°	1526.3	1520.0	1507.5	1497.1	1522.1	1540.8	1561.7	1590.8	1549.2	1501.3	1474.2
40°	1418.0	1445.0	1428.4	1401.3	1415.9	1443.0	1484.6	1507.5	1457.5	1409.6	1363.8
42.5°	1318.0	1363.8	1357.6	1324.3	1336.8	1361.8	1409.6	1428.4	1370.1	1316.0	1272.2
45°	1222.3	1286.8	1291.0	1249.3	1261.8	1286.8	1343.0	1349.3	1274.3	1216.0	1184.8
47.5°	1139.0	1209.8	1211.8	1180.6	1184.8	1220.2	1272.2	1274.3	1188.9	1134.8	1095.2
50°	1059.8	1141.0	1147.3	1120.2	1124.4	1166.0	1209.8	1201.4	1109.8	1053.6	1018.2
52.5°	964.1	1074.4	1089.0	1076.5	1093.2	1126.5	1153.5	1124.4	1018.2	962.0	930.7
55°	859.9	1003.6	1034.9	1026.5	1045.3	1072.3	1078.6	1059.8	926.6	870.4	841.2
57.5°	739.2	826.6	880.8	864.1	878.7	905.8	924.5	909.9	810.0	766.2	741.3
60°	612.2	670.5	683.0	655.9	643.4	691.3	735.0	716.3	630.9	603.8	574.7
62.5°	447.7	514.3	522.6	487.2	472.7	524.7	562.2	543.5	449.8	420.6	397.7
65°	358.1	420.6	437.3	403.9	395.6	435.2	458.1	412.3	345.6	314.4	289.4
67.5°	235.3	285.3	329.0	326.9	310.2	322.7	306.1	268.6	220.7	204.1	187.4
70°	145.8	174.9	202.0	212.4	210.3	206.1	183.2	156.2	141.6	135.3	127.0
72.5°	112.4	141.6	162.4	168.7	170.7	164.5	145.8	120.8	106.2	97.9	91.6
75°	83.3	106.2	122.8	131.2	135.3	131.2	112.4	95.8	81.2	75.0	68.7
77.5°	29.2	35.4	43.7	47.9	45.8	43.7	39.6	39.6	31.2	29.2	25.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



REPORT NUMBER: P642278

CATALOG NUMBER: GWS-SA6C-750-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5	2723.5
2.5°	2463.2	2500.7	2569.4	2631.9	2698.5	2767.2	2842.2	2919.2	2954.6	2950.5
5°	2228.0	2309.2	2421.6	2544.4	2681.9	2829.7	2994.2	3162.9	3235.7	3267.0
7.5°	2080.1	2194.6	2342.5	2498.6	2679.8	2890.1	3137.9	3402.3	3508.5	3543.9
10°	2098.9	2232.1	2355.0	2507.0	2700.6	2973.4	3281.5	3596.0	3720.9	3760.5
12.5°	2250.9	2280.0	2313.3	2438.3	2681.9	3035.8	3412.7	3787.5	3931.2	3970.8
15°	2388.3	2252.9	2190.5	2305.0	2615.2	3079.6	3546.0	3993.7	4151.9	4197.7
17.5°	2394.5	2190.5	2051.0	2140.5	2507.0	3098.3	3677.2	4204.0	4376.8	4420.5
20°	2317.5	2121.8	1942.7	1944.8	2359.1	3094.1	3785.4	4393.4	4587.1	4626.6
22.5°	2205.1	2040.6	1855.2	1790.7	2200.9	3085.8	3904.1	4595.4	4805.7	4843.2
25°	2080.1	1936.4	1772.0	1674.1	2042.6	3094.1	4070.7	4859.9	5091.0	5126.4
27.5°	1944.8	1821.9	1707.4	1628.3	1909.4	3125.4	4270.6	5197.2	5472.0	5509.5
30°	1803.2	1711.6	1665.8	1617.9	1826.1	3133.7	4487.1	5590.7	5938.4	5990.5
32.5°	1663.7	1613.7	1615.8	1624.1	1747.0	3075.4	4685.0	6028.0	6492.3	6575.6
35°	1534.6	1520.0	1561.7	1603.3	1632.4	2925.5	4857.8	6544.4	7177.3	7262.7
37.5°	1424.2	1436.7	1488.8	1530.4	1507.5	2713.1	5086.8	7189.8	7943.6	8016.5
40°	1318.0	1349.3	1409.6	1428.4	1411.7	2465.3	5361.7	7812.4	8607.8	8707.8
42.5°	1220.2	1243.1	1328.4	1332.6	1384.7	2213.4	5626.1	8482.9	9372.0	9424.0
45°	1141.0	1136.9	1224.3	1251.4	1420.1	1934.4	5884.3	9376.1	10371.4	10446.4
47.5°	1064.0	1059.8	1080.7	1203.5	1434.6	1676.2	6140.4	10683.8	11820.7	11949.7
50°	991.1	997.4	932.8	1180.6	1355.5	1478.4	6257.0	11893.5	13138.7	13192.8
52.5°	926.6	903.7	791.2	1105.6	1186.9	1291.0	5925.9	12443.2	13954.9	14109.0
55°	835.0	707.9	651.7	897.4	937.0	1126.5	4853.6	12124.7	14025.7	14298.5
57.5°	714.2	555.9	553.9	662.1	662.1	1045.3	3108.7	10358.9	12087.2	12566.1
60°	549.7	431.0	458.1	460.2	424.8	762.1	1744.9	7504.3	8936.8	9413.6
62.5°	391.5	329.0	345.6	274.9	243.6	381.0	837.0	4320.6	5515.7	5582.4
65°	262.4	222.8	181.2	152.0	149.9	162.4	345.6	1561.7	1899.0	2142.6
67.5°	172.8	135.3	95.8	95.8	108.3	108.3	131.2	258.2	362.3	331.1
70°	112.4	93.7	60.4	58.3	70.8	70.8	66.6	70.8	75.0	75.0
72.5°	83.3	70.8	35.4	31.2	39.6	41.6	37.5	35.4	35.4	35.4
75°	62.5	50.0	20.8	14.6	18.7	25.0	20.8	14.6	14.6	12.5
77.5°	25.0	18.7	8.3	6.2	10.4	14.6	12.5	6.2	4.2	4.2
80°	2.1	4.2	4.2	4.2	6.2	8.3	10.4	4.2	2.1	2.1
82.5°	0.0	2.1	2.1	2.1	4.2	6.2	8.3	4.2	2.1	2.1
85°	0.0	0.0	0.0	0.0	4.2	6.2	4.2	2.1	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	2.1	6.2	4.2	2.1	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)