

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: P642219

Luminaire Tested: GWS-SA6C-740-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642219
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-740-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15225.8 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

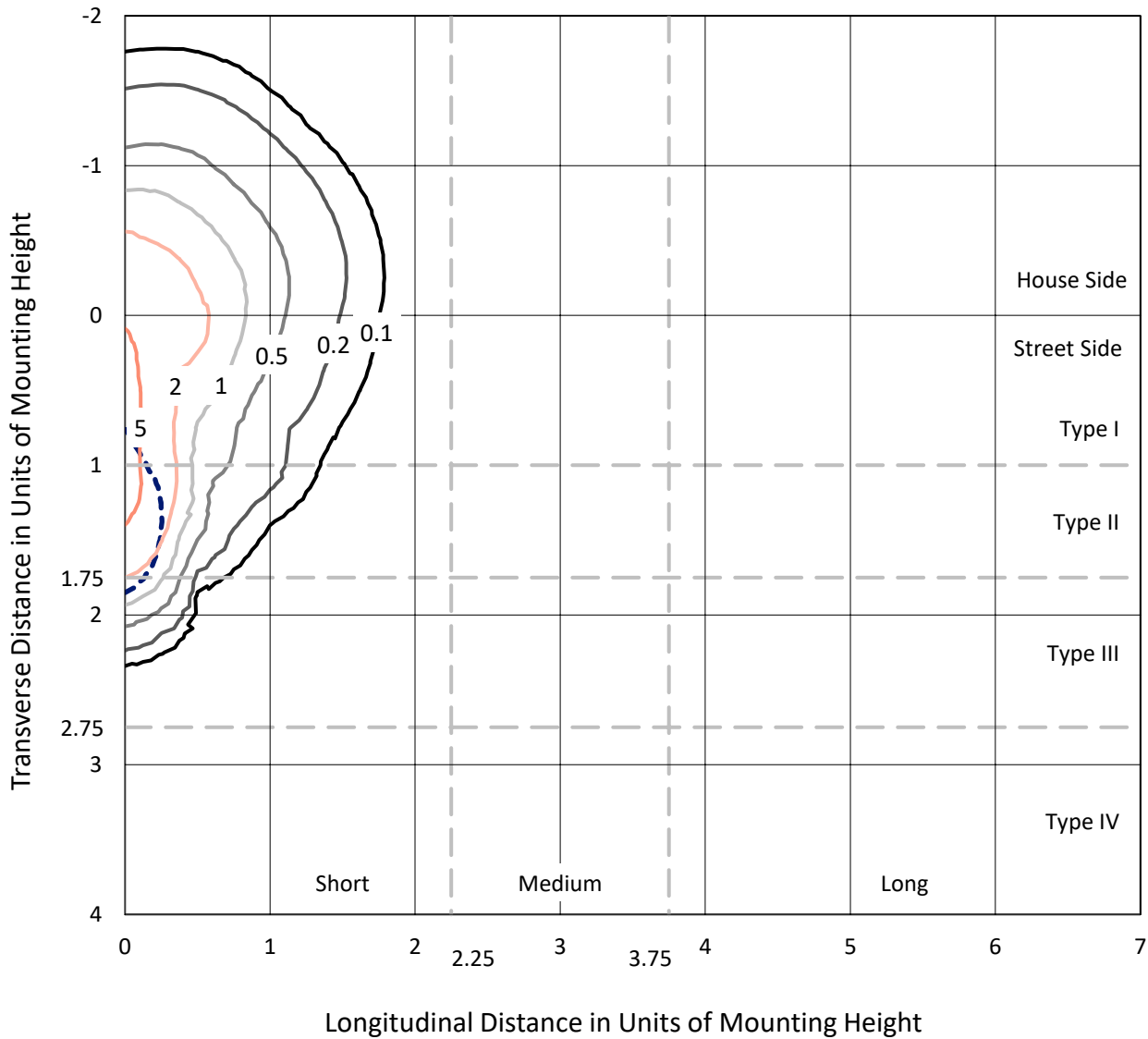
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

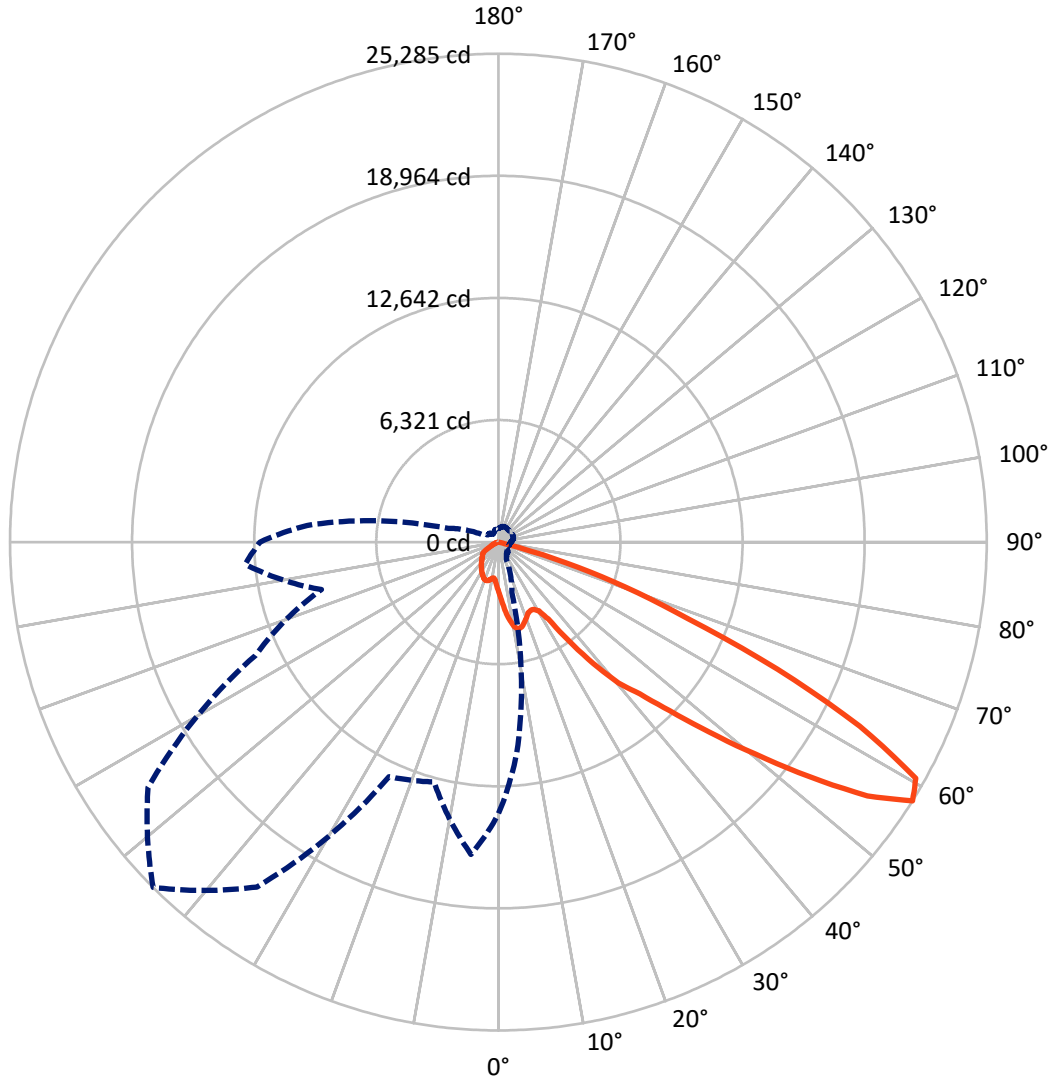
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3280.1	0.0	3280.1
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	11945.7	0.0	11945.7
	% Fixture	78.5	0.0	78.5
Total	Lumens	15225.8	0.0	15225.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.7	1.7
10°-20°	841.4	5.5
20°-30°	1365.5	9.0
30°-40°	2095.7	13.8
40°-50°	3347.0	22.0
50°-60°	4686.4	30.8
60°-70°	2402.8	15.8
70°-80°	231.3	1.5
80°-90°	0.0	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°	15225.8	100.0
0°-180°	15225.8	100.0

Coefficient of Utilization



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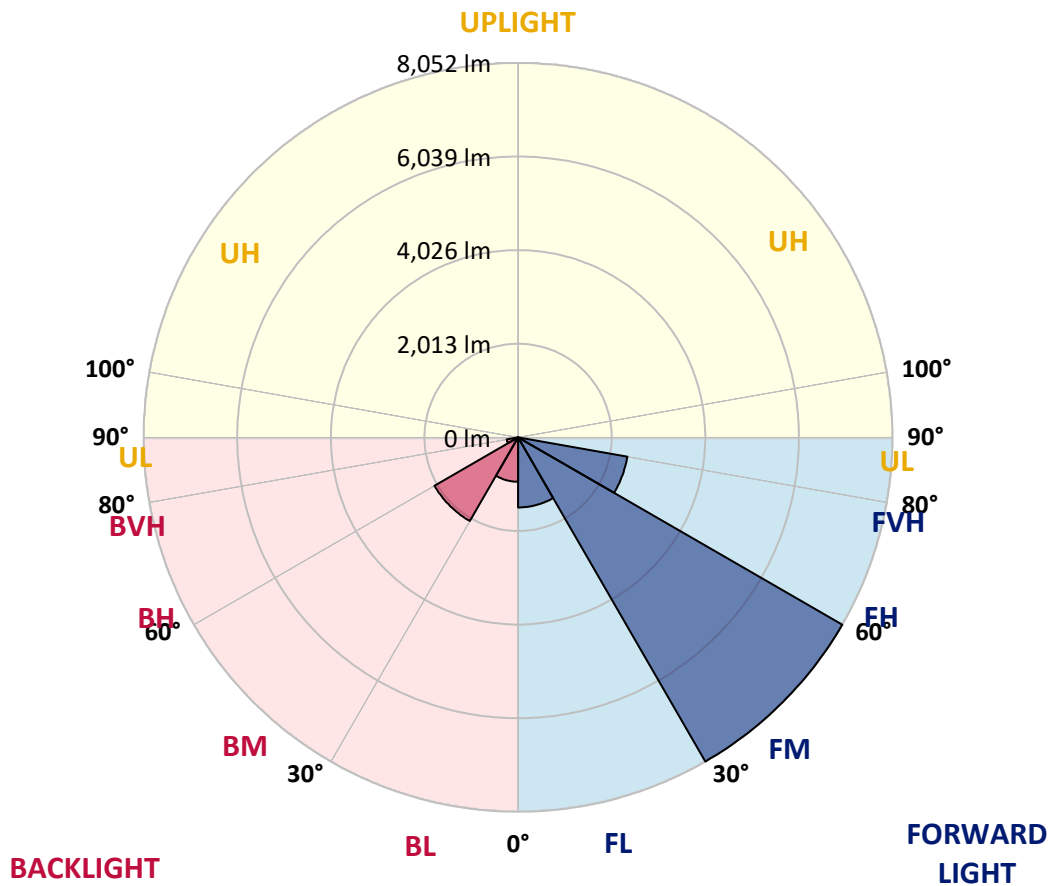
CATALOG NUMBER: GWS-SA6C-740-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1507.5	9.9			
FM (30°-60°)	8051.8	52.9			
FH (60°-80°)	2386.4	15.7			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	955.1	6.3	B2/1000		
BM (30°-60°)	2077.3	13.6	B2/2500		
BH (60°-80°)	247.7	1.6	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: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1
2.5°	2874.1	2868.0	2847.6	2778.4	2735.7	2668.5	2619.7	2556.6	2487.4	2444.6	2401.9
5°	3179.4	3163.1	3108.2	2949.4	2827.3	2695.0	2589.1	2473.1	2348.9	2267.5	2192.2
7.5°	3472.5	3448.1	3374.8	3106.1	2920.9	2731.6	2581.0	2412.0	2237.0	2114.9	2021.2
10°	3759.5	3704.6	3588.5	3258.8	3008.4	2780.5	2603.4	2410.0	2204.4	2049.7	1945.9
12.5°	3995.6	3954.9	3796.2	3403.3	3081.7	2790.6	2572.8	2393.7	2255.3	2151.5	2055.8
15°	4199.2	4154.4	4003.8	3533.6	3144.8	2749.9	2444.6	2287.9	2310.3	2351.0	2269.6
17.5°	4386.4	4339.6	4176.8	3641.5	3169.2	2650.2	2265.5	2190.2	2314.3	2467.0	2436.5
20°	4579.8	4526.9	4327.4	3729.0	3161.1	2493.5	2084.3	2106.7	2281.8	2456.8	2473.1
22.5°	4805.8	4750.8	4518.8	3840.9	3155.0	2306.2	1927.6	2033.4	2220.7	2369.3	2397.8
25°	5105.0	5039.8	4785.4	4005.8	3171.3	2135.2	1815.6	1962.2	2116.9	2251.2	2267.5
27.5°	5499.9	5416.4	5092.8	4209.4	3205.9	2000.9	1766.8	1864.5	1984.6	2104.7	2118.9
30°	6014.8	5909.0	5444.9	4386.4	3189.6	1907.2	1734.2	1766.8	1838.0	1935.7	1937.8
32.5°	6617.3	6472.8	5839.8	4539.1	3049.1	1838.0	1689.4	1667.1	1683.3	1758.7	1772.9
35°	7325.7	7138.4	6275.4	4683.6	2792.7	1703.7	1608.0	1532.7	1526.6	1563.2	1597.8
37.5°	8137.8	7913.9	6824.9	4868.9	2489.4	1563.2	1487.9	1412.6	1380.1	1398.4	1451.3
40°	8886.9	8638.6	7399.0	5092.8	2180.0	1437.0	1347.5	1270.1	1231.5	1237.6	1302.7
42.5°	9766.2	9509.7	8101.2	5385.9	1923.5	1351.6	1200.9	1121.5	1070.7	1099.2	1174.5
45°	11101.5	10810.4	9125.0	5640.3	1720.0	1331.2	1072.7	960.7	936.3	985.2	1074.7
47.5°	12925.3	12569.1	10531.5	5795.0	1547.0	1349.5	983.1	830.5	836.6	891.5	981.1
50°	14734.8	14350.1	12157.9	5591.5	1404.5	1312.9	938.4	728.7	767.4	816.2	897.6
52.5°	15978.5	15477.8	12949.7	5003.2	1274.2	1174.5	934.3	633.0	706.3	722.6	791.8
55°	16027.3	15410.6	12544.6	3944.8	1097.1	991.3	891.5	553.6	639.1	645.2	704.3
57.5°	14048.9	13491.1	10963.1	2709.2	975.0	726.7	710.4	484.4	525.2	576.0	612.7
60°	10688.3	10214.0	8198.9	1241.6	740.9	462.1	486.5	417.3	392.8	468.2	504.8
62.5°	6546.1	6242.8	4917.7	549.6	472.2	246.3	295.1	331.8	295.1	323.6	354.2
65°	2599.3	2465.0	1866.5	234.1	193.4	124.2	134.3	193.4	207.6	228.0	256.5
67.5°	451.9	427.4	313.5	103.8	79.4	75.3	65.1	89.6	126.2	140.4	162.8
70°	59.0	57.0	50.9	42.7	40.7	36.6	28.5	57.0	85.5	89.6	103.8
72.5°	14.2	12.2	12.2	10.2	12.2	4.1	4.1	30.5	61.1	63.1	73.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	38.7	42.7	50.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1
2.5°	2367.3	2326.5	2312.3	2291.9	2265.5	2273.6	2237.0	2224.8	2243.1	2267.5	2261.4
5°	2151.5	2106.7	2076.2	2029.4	2021.2	2002.9	1990.7	1974.4	1994.8	2023.3	2029.4
7.5°	1980.5	1941.8	1911.3	1897.1	1886.9	1878.7	1854.3	1842.1	1842.1	1854.3	1864.5
10°	1907.2	1878.7	1872.6	1876.7	1893.0	1891.0	1868.6	1852.3	1831.9	1821.8	1834.0
12.5°	2009.0	1962.2	1954.1	1956.1	1976.4	1974.4	1950.0	1929.6	1925.6	1929.6	1968.3
15°	2182.0	2110.8	2057.9	2047.7	2057.9	2053.8	2035.5	2023.3	2029.4	2088.4	2153.5
17.5°	2336.7	2226.8	2131.1	2094.5	2092.5	2086.4	2068.0	2064.0	2094.5	2204.4	2300.1
20°	2381.5	2273.6	2137.2	2090.4	2080.3	2074.1	2053.8	2059.9	2098.6	2230.9	2312.3
22.5°	2322.5	2218.7	2076.2	2029.4	2021.2	2019.2	1998.8	2007.0	2039.5	2155.6	2222.7
25°	2210.5	2123.0	1974.4	1933.7	1933.7	1929.6	1911.3	1915.4	1935.7	2037.5	2102.6
27.5°	2074.1	1990.7	1866.5	1825.8	1831.9	1838.0	1815.6	1809.5	1825.8	1921.5	1960.2
30°	1917.4	1858.4	1760.7	1724.0	1722.0	1746.4	1715.9	1707.8	1730.2	1805.5	1813.6
32.5°	1764.8	1736.3	1667.1	1638.6	1640.6	1644.7	1628.4	1628.4	1648.7	1689.4	1687.4
35°	1616.2	1597.8	1585.6	1565.3	1563.2	1555.1	1555.1	1559.2	1581.6	1595.8	1569.4
37.5°	1473.7	1492.0	1506.3	1485.9	1469.6	1469.6	1469.6	1487.9	1508.3	1502.2	1457.4
40°	1347.5	1386.2	1430.9	1408.5	1369.9	1367.8	1376.0	1406.5	1437.0	1400.4	1359.7
42.5°	1239.6	1288.5	1351.6	1339.3	1296.6	1290.5	1296.6	1335.3	1359.7	1312.9	1268.1
45°	1133.8	1194.8	1270.1	1270.1	1223.3	1217.2	1219.2	1270.1	1284.4	1229.4	1172.4
47.5°	1044.2	1111.4	1190.8	1190.8	1152.1	1139.9	1150.0	1203.0	1213.1	1135.8	1082.9
50°	958.7	1032.0	1119.5	1113.4	1086.9	1076.8	1095.1	1152.1	1139.9	1054.4	999.4
52.5°	850.8	928.2	1048.3	1054.4	1040.1	1042.2	1064.6	1101.2	1066.6	962.8	916.0
55°	753.1	832.5	952.6	985.2	985.2	983.1	993.3	1021.8	993.3	869.1	812.2
57.5°	647.3	714.5	814.2	822.3	828.4	806.0	820.3	859.0	844.7	738.9	706.3
60°	531.3	588.3	645.2	651.4	624.9	578.1	604.5	649.3	659.5	580.1	543.5
62.5°	376.6	431.5	498.7	498.7	472.2	425.4	460.0	498.7	484.4	403.0	380.6
65°	280.9	331.8	382.7	405.1	382.7	350.1	376.6	405.1	382.7	315.5	282.9
67.5°	181.2	215.8	246.3	264.6	268.7	264.6	276.8	268.7	242.2	197.4	179.1
70°	109.9	128.2	144.5	160.8	173.0	179.1	185.2	166.9	140.4	116.0	109.9
72.5°	79.4	95.7	109.9	122.1	136.4	140.4	140.4	128.2	103.8	81.4	75.3
75°	55.0	69.2	81.4	89.6	101.8	105.8	105.8	95.7	77.3	59.0	52.9
77.5°	2.0	14.2	14.2	12.2	16.3	20.4	20.4	24.4	22.4	16.3	14.2
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°	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1
2.5°	2273.6	2346.9	2367.3	2442.6	2509.7	2576.9	2658.3	2707.2	2780.5	2831.3	2859.8
5°	2049.7	2110.8	2184.1	2296.0	2412.0	2540.3	2695.0	2829.3	2998.3	3122.4	3163.1
7.5°	1886.9	1966.3	2051.8	2192.2	2351.0	2522.0	2739.7	2959.6	3218.1	3387.0	3494.9
10°	1856.4	1937.8	2051.8	2190.2	2357.1	2552.5	2819.1	3104.1	3427.7	3633.3	3755.5
12.5°	2002.9	2090.4	2139.3	2202.4	2328.6	2546.4	2888.3	3250.7	3631.3	3855.2	3985.5
15°	2218.7	2296.0	2216.6	2137.2	2218.7	2481.2	2927.0	3372.8	3810.4	4068.9	4203.3
17.5°	2367.3	2373.4	2200.3	2031.4	2053.8	2363.2	2941.3	3494.9	4001.7	4272.5	4412.9
20°	2353.0	2304.2	2129.1	1941.8	1872.6	2210.5	2925.0	3602.8	4195.1	4478.0	4616.5
22.5°	2243.1	2186.1	2037.5	1854.3	1720.0	2029.4	2896.5	3700.5	4372.2	4693.8	4824.1
25°	2110.8	2049.7	1927.6	1766.8	1622.3	1854.3	2874.1	3834.8	4596.1	4974.7	5076.5
27.5°	1956.1	1903.2	1799.4	1683.3	1581.6	1722.0	2868.0	4011.9	4866.8	5316.7	5387.9
30°	1805.5	1756.6	1675.2	1608.0	1565.3	1644.7	2847.6	4201.2	5190.5	5709.5	5786.9
32.5°	1660.9	1612.1	1561.2	1551.0	1553.1	1616.2	2778.4	4388.5	5575.2	6279.4	6336.4
35°	1536.8	1479.8	1459.4	1483.9	1528.6	1567.3	2583.0	4543.2	5988.4	6900.3	6947.1
37.5°	1418.7	1361.7	1359.7	1418.7	1467.6	1492.0	2353.0	4695.8	6546.1	7531.3	7590.3
40°	1310.8	1253.9	1274.2	1345.4	1384.1	1396.3	2074.1	4927.9	7136.4	8196.9	8164.3
42.5°	1219.2	1160.2	1172.4	1264.0	1298.6	1331.2	1817.7	5121.3	7704.3	8827.9	8817.7
45°	1129.7	1084.9	1076.8	1176.5	1207.0	1337.3	1630.4	5269.8	8435.0	9631.9	9648.2
47.5°	1042.2	1007.6	1009.6	1052.3	1127.7	1367.8	1471.6	5367.5	9495.5	10906.1	10623.1
50°	962.8	936.3	958.7	909.9	1076.8	1329.2	1335.3	5347.2	10680.1	12127.4	11559.5
52.5°	875.3	869.1	879.3	761.3	995.3	1172.4	1207.0	5076.5	11235.8	12961.9	12638.3
55°	785.7	783.7	702.2	608.6	832.5	936.3	1034.0	4235.8	11217.5	13405.6	13798.5
57.5°	679.8	663.6	533.3	496.7	647.3	651.4	942.4	2774.4	9941.3	12343.1	13157.3
60°	515.0	502.8	390.8	403.0	451.9	417.3	751.1	1382.1	7429.5	9615.6	10533.6
62.5°	356.2	339.9	291.1	311.4	291.1	238.2	460.0	683.9	4500.4	6071.8	6904.3
65°	260.5	242.2	199.5	171.0	136.4	136.4	175.1	262.6	1742.4	2581.0	3112.2
67.5°	160.8	152.7	118.1	85.5	83.5	89.6	91.6	130.3	280.9	447.8	547.5
70°	103.8	95.7	79.4	55.0	50.9	52.9	55.0	61.1	71.2	77.3	93.6
72.5°	71.2	67.2	57.0	30.5	24.4	26.5	28.5	28.5	34.6	32.6	38.7
75°	50.9	46.8	40.7	14.2	8.1	10.2	12.2	10.2	12.2	8.1	10.2
77.5°	14.2	14.2	10.2	2.0	0.0	2.0	4.1	4.1	2.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	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: P642219

CATALOG NUMBER: GWS-SA6C-740-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1	2587.1
2.5°	2933.1	2979.9	2998.3	2971.8	2994.2	2957.5	2943.3	2888.3	2884.3	2874.1
5°	3328.0	3433.8	3496.9	3535.6	3490.8	3442.0	3368.7	3242.5	3203.8	3179.4
7.5°	3716.8	3881.7	3989.5	4040.4	4028.2	3928.5	3796.2	3584.5	3509.2	3472.5
10°	4054.7	4256.2	4386.4	4449.5	4423.1	4335.6	4146.3	3881.7	3781.9	3759.5
12.5°	4290.8	4476.0	4565.6	4620.5	4622.6	4588.0	4408.8	4142.2	4024.1	3995.6
15°	4439.4	4518.8	4520.8	4553.4	4610.4	4687.7	4604.2	4368.1	4241.9	4199.2
17.5°	4533.0	4445.5	4355.9	4364.1	4457.7	4663.3	4748.8	4567.6	4433.3	4386.4
20°	4600.2	4323.3	4156.4	4158.5	4254.1	4565.6	4848.5	4761.0	4622.6	4579.8
22.5°	4642.9	4215.5	3977.3	3971.2	4073.0	4449.5	4940.1	4991.0	4854.6	4805.8
25°	4730.4	4164.6	3869.4	3904.0	3993.6	4412.9	5064.3	5296.3	5170.1	5105.0
27.5°	4887.2	4215.5	3859.3	3938.6	4040.4	4520.8	5280.0	5703.4	5573.1	5499.9
30°	5157.9	4406.8	4016.0	4125.9	4248.0	4803.7	5642.3	6271.3	6084.0	6014.8
32.5°	5593.5	4803.7	4500.4	4736.6	4854.6	5267.8	6185.8	6908.4	6755.7	6617.3
35°	6194.0	5709.5	5674.9	6224.5	6196.0	6147.1	6853.4	7690.0	7460.0	7325.7
37.5°	7020.4	7166.9	7423.4	7968.9	7950.6	7578.1	7730.7	8428.9	8310.8	8137.8
40°	8052.3	8363.8	8799.4	9581.0	9336.7	8868.6	8807.5	9186.1	9090.4	8886.9
42.5°	8660.9	9198.3	10028.8	10731.0	10535.6	9717.4	9648.2	10197.7	9988.1	9766.2
45°	8943.9	9878.2	11506.5	12457.1	11864.8	10281.2	10254.7	11516.7	11398.7	11101.5
47.5°	9074.1	10564.1	13236.7	14675.8	13568.5	10775.8	10680.1	13430.1	13275.4	12925.3
50°	9218.7	11510.6	15321.0	17246.6	15626.3	11335.6	11404.8	15213.1	15148.0	14734.8
52.5°	9536.2	12512.1	17887.8	20185.8	18121.8	12212.9	12648.4	16894.4	16454.8	15978.5
55°	10012.5	13603.1	20558.3	23188.1	20668.2	13391.4	13993.9	17788.0	16554.5	16027.3
57.5°	9485.3	13875.8	22139.9	25284.7	21797.9	13395.5	12856.1	16239.0	14559.8	14048.9
60°	7527.2	12909.0	21531.3	24830.8	20835.1	11895.3	9843.6	12679.0	11030.2	10688.3
62.5°	5088.7	10826.7	18954.3	21000.0	17832.8	9357.1	6397.5	8245.7	6829.0	6546.1
65°	2788.6	8076.8	15314.9	15886.9	13957.3	6535.9	3291.4	3578.4	2725.5	2599.3
67.5°	769.4	5622.0	11268.4	10539.7	9792.7	4256.2	850.8	639.1	455.9	451.9
70°	193.4	3718.8	6751.7	6959.3	6004.7	2725.5	162.8	77.3	61.1	59.0
72.5°	81.4	1599.9	3203.8	3682.2	3073.6	1262.0	59.0	22.4	18.3	14.2
75°	10.2	128.2	272.8	413.2	282.9	136.4	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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
85°	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)