

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: P634795

Luminaire Tested: GWS-SA3C-740-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634795
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-SA3C-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: 10858.1 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

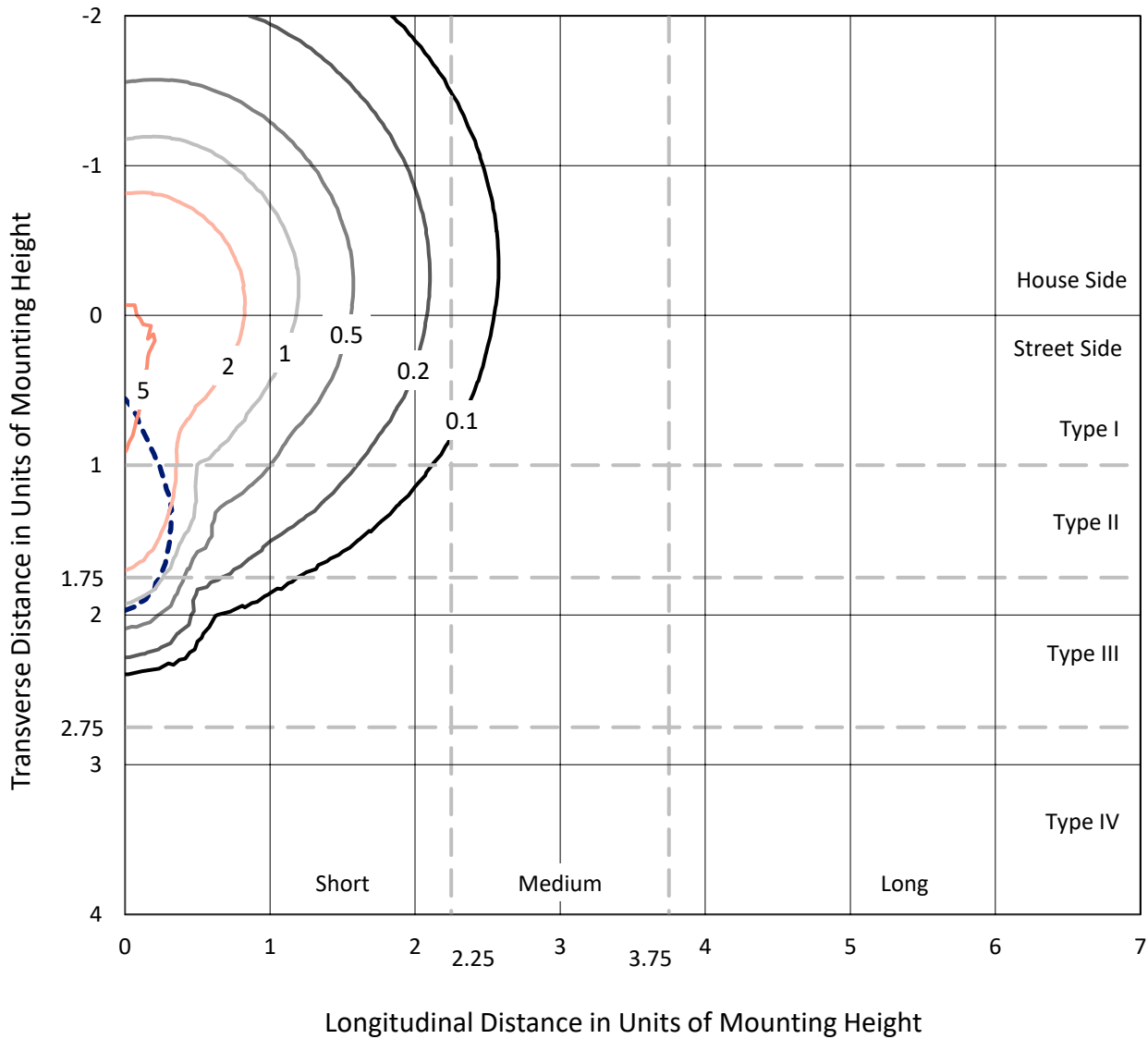
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

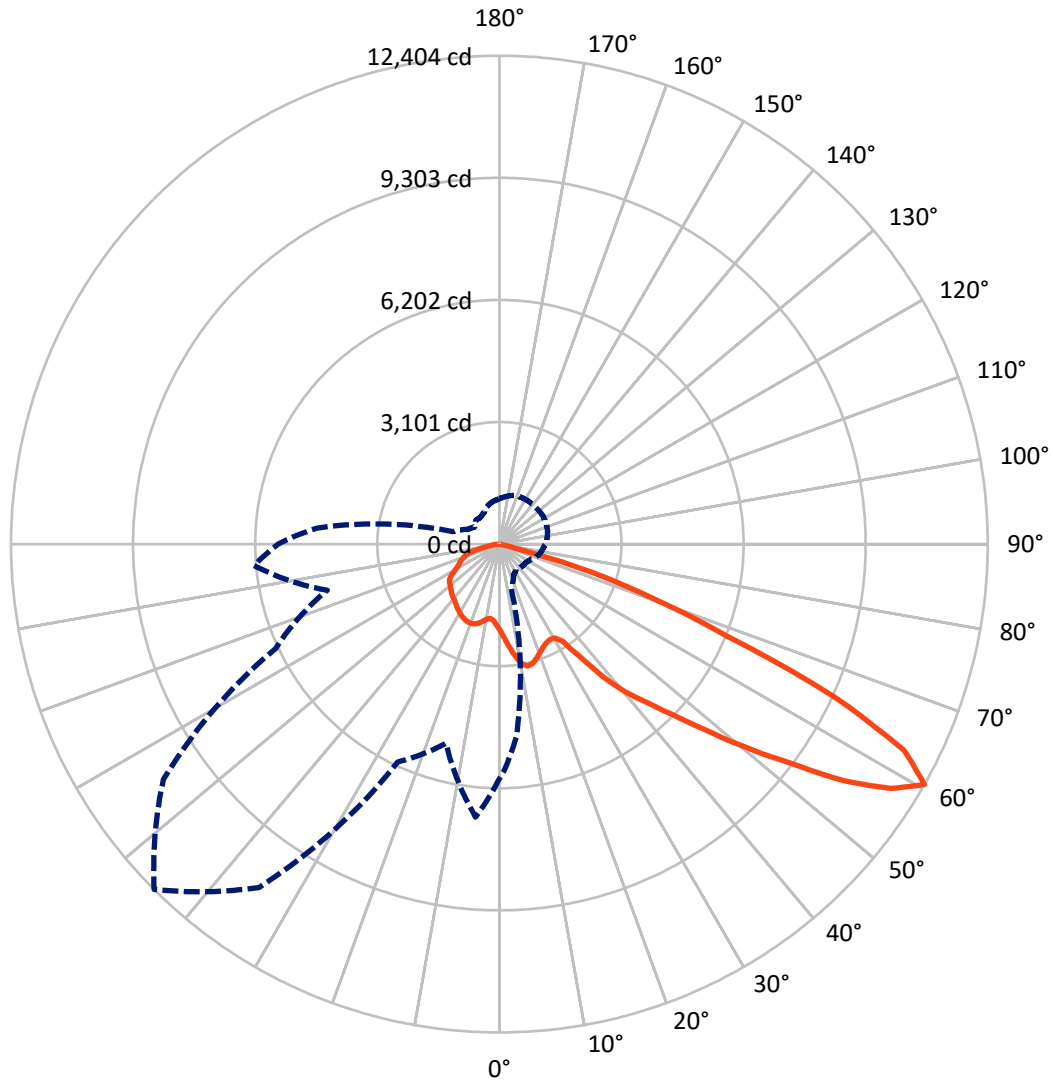
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.6 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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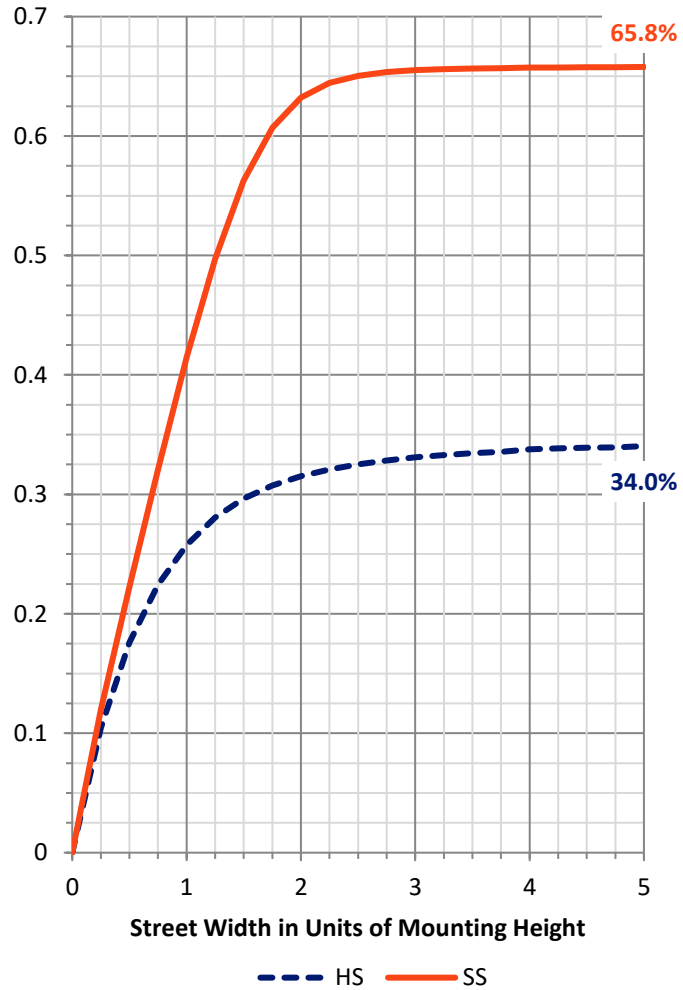
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3714.5	0.0	3714.5
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	7143.6	0.0	7143.6
	% Fixture	65.8	0.0	65.8
Total	Lumens	10858.1	0.0	10858.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.0	2.0
10°-20°	686.3	6.3
20°-30°	1117.6	10.3
30°-40°	1570.1	14.5
40°-50°	2148.5	19.8
50°-60°	2756.4	25.4
60°-70°	1856.0	17.1
70°-80°	464.0	4.3
80°-90°	45.2	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°	10858.1	100.0
0°-180°	10858.1	100.0

Coefficient of Utilization



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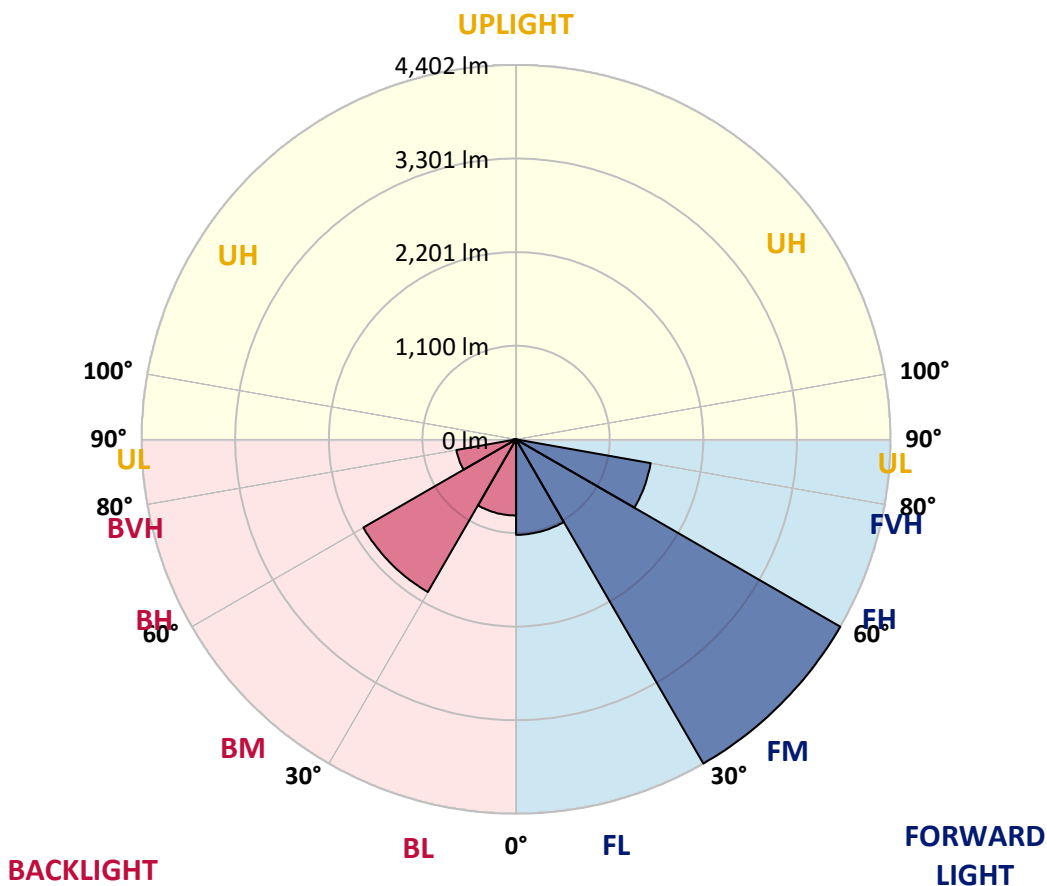
CATALOG NUMBER: GWS-SA3C-740-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1122.5	10.3			
FM (30°-60°)	4401.9	40.5			
FH (60°-80°)	1607.4	14.8			G1/1800
FVH (80°-90°)	11.8	0.1			G1/100
BL (0°-30°)	895.4	8.2	B2/1000		
BM (30°-60°)	2073.0	19.1	B2/2500		
BH (60°-80°)	712.6	6.6	B2/1000		G2/1000
BVH (80°-90°)	33.5	0.3			G1/100
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°	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9
2.5°	2316.9	2311.9	2306.9	2267.9	2257.9	2229.9	2209.9	2184.9	2148.9	2128.9	2111.9
5°	2461.9	2453.9	2426.9	2346.9	2294.9	2237.9	2190.9	2138.9	2083.9	2047.9	2019.9
7.5°	2598.9	2596.9	2550.9	2418.9	2334.9	2252.9	2188.9	2112.9	2033.9	1979.9	1943.9
10°	2725.9	2710.9	2655.9	2483.9	2373.9	2279.9	2210.9	2126.9	2034.9	1961.9	1914.0
12.5°	2837.9	2818.9	2742.9	2543.9	2407.9	2291.9	2216.9	2147.9	2086.9	2025.9	1970.9
15°	2929.9	2906.9	2829.9	2599.9	2437.9	2284.9	2179.9	2125.9	2146.9	2173.9	2112.9
17.5°	3015.9	2991.9	2897.9	2640.9	2446.9	2241.9	2088.9	2065.9	2171.9	2294.9	2266.9
20°	3087.9	3060.9	2951.9	2660.9	2430.9	2159.9	1970.9	2010.9	2150.9	2297.9	2342.9
22.5°	3165.9	3143.9	3012.9	2689.9	2410.9	2046.9	1872.0	1969.9	2114.9	2243.9	2311.9
25°	3290.9	3263.9	3107.9	2740.9	2400.9	1940.9	1801.0	1929.9	2064.9	2181.9	2234.9
27.5°	3471.9	3421.9	3237.9	2829.9	2411.9	1841.0	1756.0	1881.0	2006.9	2106.9	2149.9
30°	3668.9	3608.9	3381.9	2921.9	2427.9	1780.0	1732.0	1825.0	1918.0	2017.9	2064.9
32.5°	3901.9	3848.9	3535.9	2990.9	2393.9	1752.0	1714.0	1764.0	1838.0	1918.0	1956.9
35°	4179.9	4084.9	3703.9	3046.9	2283.9	1711.0	1698.0	1697.0	1736.0	1814.0	1858.0
37.5°	4478.9	4376.9	3910.9	3106.9	2112.9	1646.0	1660.0	1618.0	1654.0	1716.0	1766.0
40°	4723.9	4616.9	4119.9	3188.9	1899.0	1544.0	1576.0	1531.0	1553.0	1617.0	1673.0
42.5°	4963.9	4849.9	4314.9	3281.9	1692.0	1444.0	1460.0	1443.0	1450.0	1517.0	1595.0
45°	5278.9	5150.9	4554.9	3347.9	1506.0	1365.0	1350.0	1321.0	1358.0	1445.0	1528.0
47.5°	5804.8	5651.9	4947.9	3390.9	1371.0	1320.0	1251.0	1234.0	1280.0	1377.0	1463.0
50°	6419.8	6287.8	5575.9	3388.9	1270.0	1282.0	1155.0	1140.0	1216.0	1314.0	1405.0
52.5°	6923.8	6789.8	6112.8	3288.9	1187.0	1201.0	1099.0	1057.0	1161.0	1252.0	1343.0
55°	7330.8	7179.8	6359.8	2870.9	1082.0	1072.0	1038.0	961.0	1092.0	1190.0	1275.0
57.5°	7111.8	6931.8	6060.8	2182.9	974.0	911.0	933.0	876.0	998.0	1121.0	1203.0
60°	5962.8	5800.8	4923.9	1162.0	857.0	761.0	807.0	816.0	895.0	1038.0	1122.0
62.5°	4095.9	3977.9	3336.9	705.0	676.0	611.0	683.0	748.0	807.0	928.0	1001.0
65°	2003.9	1968.9	1669.0	452.0	473.0	494.0	566.0	645.0	732.0	838.0	915.0
67.5°	552.0	556.0	506.0	353.0	373.0	431.0	488.0	551.0	638.0	736.0	814.0
70°	243.0	247.0	255.0	272.0	310.0	363.0	422.0	487.0	567.0	649.0	724.0
72.5°	169.0	173.0	185.0	207.0	241.0	291.0	347.0	409.0	492.0	561.0	623.0
75°	104.0	107.0	118.0	137.0	160.0	198.0	253.0	310.0	383.0	446.0	501.0
77.5°	55.0	53.0	60.0	73.0	93.0	113.0	150.0	186.0	238.0	289.0	335.0
80°	30.0	29.0	33.0	40.0	46.0	62.0	87.0	111.0	141.0	170.0	195.0
82.5°	13.0	12.0	13.0	17.0	21.0	30.0	44.0	61.0	78.0	98.0	114.0
85°	0.0	0.0	0.0	1.0	5.0	8.0	15.0	22.0	32.0	44.0	54.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	9.0
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°	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9
2.5°	2101.9	2076.9	2074.9	2054.9	2056.9	2057.9	2037.9	2029.9	2036.9	2044.9	2040.9
5°	2009.9	1983.9	1972.9	1953.9	1951.9	1942.9	1934.9	1925.0	1931.9	1938.9	1942.9
7.5°	1929.9	1913.0	1906.0	1901.0	1903.0	1899.0	1883.0	1874.0	1873.0	1876.0	1880.0
10°	1904.0	1890.0	1899.0	1913.0	1923.0	1929.9	1913.0	1898.0	1884.0	1878.0	1878.0
12.5°	1959.9	1941.9	1959.9	1974.9	1994.9	1999.9	1980.9	1964.9	1959.9	1965.9	1977.9
15°	2083.9	2041.9	2040.9	2049.9	2065.9	2073.9	2055.9	2047.9	2047.9	2085.9	2115.9
17.5°	2207.9	2138.9	2109.9	2104.9	2114.9	2117.9	2102.9	2095.9	2113.9	2187.9	2243.9
20°	2294.9	2210.9	2147.9	2135.9	2138.9	2139.9	2127.9	2122.9	2148.9	2238.9	2285.9
22.5°	2285.9	2223.9	2146.9	2131.9	2136.9	2134.9	2123.9	2121.9	2142.9	2220.9	2242.9
25°	2223.9	2175.9	2110.9	2100.9	2108.9	2107.9	2096.9	2091.9	2100.9	2152.9	2154.9
27.5°	2152.9	2110.9	2054.9	2051.9	2064.9	2071.9	2052.9	2037.9	2034.9	2069.9	2061.9
30°	2067.9	2036.9	1991.9	1993.9	2017.9	2021.9	1998.9	1976.9	1970.9	1989.9	1978.9
32.5°	1966.9	1956.9	1932.9	1937.9	1960.9	1968.9	1944.9	1922.0	1915.0	1921.0	1898.0
35°	1881.0	1877.0	1879.0	1888.0	1908.0	1914.0	1894.0	1876.0	1866.0	1845.0	1815.0
37.5°	1792.0	1803.0	1832.0	1849.0	1860.0	1858.0	1847.0	1834.0	1818.0	1779.0	1742.0
40°	1709.0	1737.0	1789.0	1808.0	1812.0	1813.0	1805.0	1794.0	1774.0	1722.0	1680.0
42.5°	1645.0	1676.0	1745.0	1774.0	1776.0	1778.0	1770.0	1761.0	1733.0	1664.0	1623.0
45°	1578.0	1619.0	1700.0	1735.0	1733.0	1732.0	1725.0	1721.0	1688.0	1608.0	1563.0
47.5°	1521.0	1569.0	1656.0	1686.0	1685.0	1684.0	1679.0	1679.0	1646.0	1559.0	1508.0
50°	1465.0	1520.0	1611.0	1636.0	1638.0	1636.0	1634.0	1637.0	1598.0	1505.0	1455.0
52.5°	1404.0	1466.0	1561.0	1584.0	1596.0	1601.0	1601.0	1594.0	1548.0	1451.0	1396.0
55°	1337.0	1396.0	1506.0	1537.0	1547.0	1556.0	1556.0	1542.0	1499.0	1401.0	1342.0
57.5°	1254.0	1306.0	1393.0	1424.0	1448.0	1454.0	1454.0	1431.0	1396.0	1302.0	1254.0
60°	1164.0	1209.0	1268.0	1301.0	1319.0	1307.0	1316.0	1310.0	1282.0	1195.0	1155.0
62.5°	1044.0	1090.0	1155.0	1189.0	1197.0	1185.0	1197.0	1196.0	1158.0	1080.0	1032.0
65°	958.0	1003.0	1067.0	1111.0	1124.0	1121.0	1129.0	1117.0	1070.0	996.0	950.0
67.5°	856.0	904.0	978.0	1027.0	1054.0	1057.0	1068.0	1043.0	995.0	914.0	856.0
70°	759.0	800.0	857.0	903.0	941.0	960.0	962.0	926.0	866.0	799.0	757.0
72.5°	657.0	699.0	768.0	818.0	866.0	888.0	888.0	844.0	779.0	705.0	660.0
75°	533.0	572.0	635.0	689.0	744.0	772.0	771.0	733.0	661.0	591.0	544.0
77.5°	361.0	390.0	430.0	471.0	479.0	501.0	512.0	464.0	424.0	386.0	344.0
80°	210.0	228.0	250.0	273.0	278.0	285.0	267.0	249.0	228.0	203.0	184.0
82.5°	123.0	135.0	146.0	164.0	167.0	169.0	153.0	145.0	128.0	113.0	101.0
85°	60.0	64.0	74.0	83.0	79.0	77.0	70.0	62.0	55.0	49.0	43.0
87.5°	12.0	12.0	18.0	17.0	14.0	12.0	7.0	9.0	2.0	2.0	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°	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9
2.5°	2053.9	2070.9	2091.9	2119.9	2151.9	2185.9	2218.9	2243.9	2268.9	2305.9	2299.9
5°	1948.9	1977.9	2010.9	2053.9	2105.9	2164.9	2230.9	2296.9	2367.9	2427.9	2453.9
7.5°	1888.0	1920.0	1958.9	2014.9	2081.9	2153.9	2246.9	2353.9	2468.9	2547.9	2596.9
10°	1888.0	1928.9	1979.9	2033.9	2092.9	2166.9	2281.9	2415.9	2563.9	2667.9	2724.9
12.5°	1996.9	2037.9	2048.9	2046.9	2079.9	2161.9	2309.9	2480.9	2657.9	2767.9	2837.9
15°	2166.9	2180.9	2097.9	2021.9	2026.9	2125.9	2322.9	2532.9	2738.9	2870.9	2946.9
17.5°	2280.9	2243.9	2095.9	1962.9	1934.9	2064.9	2322.9	2582.9	2824.9	2973.9	3044.9
20°	2289.9	2197.9	2044.9	1906.0	1834.0	1983.9	2306.9	2620.9	2907.9	3072.9	3148.9
22.5°	2210.9	2119.9	1990.9	1857.0	1751.0	1886.0	2280.9	2649.9	2978.9	3165.9	3259.9
25°	2120.9	2044.9	1935.9	1807.0	1694.0	1787.0	2256.9	2698.9	3077.9	3291.9	3386.9
27.5°	2032.9	1968.9	1870.0	1765.0	1662.0	1701.0	2241.9	2770.9	3195.9	3470.9	3552.9
30°	1946.9	1889.0	1799.0	1725.0	1645.0	1645.0	2228.9	2853.9	3351.9	3671.9	3753.9
32.5°	1860.0	1805.0	1732.0	1686.0	1635.0	1623.0	2192.9	2931.9	3512.9	3891.9	3975.9
35°	1779.0	1724.0	1668.0	1649.0	1630.0	1606.0	2103.9	2992.9	3669.9	4148.9	4220.9
37.5°	1703.0	1650.0	1608.0	1603.0	1605.0	1560.0	1963.9	3043.9	3865.9	4411.9	4449.9
40°	1637.0	1578.0	1545.0	1544.0	1554.0	1486.0	1787.0	3116.9	4089.9	4634.9	4618.9
42.5°	1578.0	1516.0	1476.0	1485.0	1479.0	1412.0	1614.0	3183.9	4284.9	4843.9	4811.9
45°	1520.0	1460.0	1404.0	1417.0	1410.0	1366.0	1467.0	3232.9	4500.9	5094.9	5098.9
47.5°	1464.0	1405.0	1349.0	1333.0	1332.0	1352.0	1354.0	3248.9	4852.9	5498.9	5407.9
50°	1412.0	1353.0	1295.0	1241.0	1262.0	1324.0	1270.0	3236.9	5379.9	5944.8	5690.9
52.5°	1358.0	1302.0	1238.0	1141.0	1196.0	1257.0	1195.0	3193.9	5701.9	6338.8	6186.8
55°	1296.0	1243.0	1156.0	1038.0	1105.0	1118.0	1118.0	2777.9	5838.8	6728.8	6822.8
57.5°	1213.0	1143.0	1005.0	910.0	970.0	920.0	1036.0	1943.9	5612.9	6605.8	6970.8
60°	1119.0	1044.0	898.0	830.0	848.0	760.0	883.0	1219.0	4651.9	5620.9	6252.8
62.5°	995.0	926.0	805.0	752.0	715.0	620.0	711.0	771.0	3188.9	4173.9	4604.9
65°	912.0	836.0	728.0	658.0	582.0	499.0	472.0	506.0	1715.0	2335.9	2626.9
67.5°	814.0	739.0	637.0	549.0	488.0	428.0	381.0	369.0	588.0	778.0	842.0
70°	721.0	649.0	564.0	482.0	421.0	362.0	316.0	283.0	272.0	270.0	266.0
72.5°	626.0	559.0	488.0	412.0	345.0	291.0	250.0	212.0	196.0	191.0	186.0
75°	513.0	460.0	389.0	307.0	253.0	203.0	171.0	146.0	132.0	127.0	121.0
77.5°	330.0	306.0	244.0	198.0	153.0	121.0	104.0	88.0	79.0	77.0	72.0
80°	176.0	164.0	135.0	114.0	91.0	74.0	65.0	56.0	51.0	49.0	47.0
82.5°	98.0	89.0	75.0	66.0	53.0	45.0	40.0	36.0	33.0	32.0	31.0
85°	44.0	38.0	30.0	28.0	25.0	23.0	22.0	20.0	19.0	18.0	17.0
87.5°	2.0	4.0	5.0	4.0	4.0	6.0	7.0	7.0	6.0	6.0	5.0
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: P634795

CATALOG NUMBER: GWS-SA3C-740-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9	2189.9
2.5°	2336.9	2366.9	2369.9	2379.9	2366.9	2363.9	2342.9	2330.9	2319.9	2316.9
5°	2518.9	2578.9	2602.9	2619.9	2603.9	2595.9	2549.9	2501.9	2474.9	2461.9
7.5°	2705.9	2795.9	2842.9	2863.9	2865.9	2829.9	2750.9	2660.9	2615.9	2598.9
10°	2872.9	2983.9	3045.9	3085.9	3071.9	3027.9	2919.9	2797.9	2740.9	2725.9
12.5°	2996.9	3102.9	3150.9	3176.9	3175.9	3151.9	3049.9	2917.9	2852.9	2837.9
15°	3076.9	3139.9	3142.9	3148.9	3165.9	3197.9	3144.9	3022.9	2950.9	2929.9
17.5°	3139.9	3114.9	3067.9	3051.9	3089.9	3178.9	3210.9	3111.9	3033.9	3015.9
20°	3179.9	3053.9	2970.9	2939.9	2983.9	3128.9	3250.9	3191.9	3110.9	3087.9
22.5°	3210.9	2996.9	2862.9	2841.9	2887.9	3074.9	3291.9	3286.9	3197.9	3165.9
25°	3259.9	2958.9	2786.9	2771.9	2814.9	3048.9	3346.9	3415.9	3336.9	3290.9
27.5°	3336.9	2954.9	2747.9	2742.9	2801.9	3071.9	3425.9	3604.9	3505.9	3471.9
30°	3443.9	2992.9	2756.9	2766.9	2838.9	3154.9	3548.9	3820.9	3721.9	3668.9
32.5°	3597.9	3094.9	2893.9	2936.9	2989.9	3287.9	3728.9	4054.9	3979.9	3901.9
35°	3800.9	3374.9	3298.9	3481.9	3431.9	3578.9	3945.9	4338.9	4247.9	4179.9
37.5°	4071.9	3948.9	4018.9	4270.9	4149.9	4128.9	4210.9	4596.9	4546.9	4478.9
40°	4451.9	4476.9	4605.9	4936.9	4761.9	4626.9	4535.9	4790.9	4807.9	4723.9
42.5°	4703.9	4818.9	5129.9	5505.9	5264.9	4941.9	4807.9	5038.9	5039.9	4963.9
45°	4797.9	5098.9	5748.9	6181.8	5778.9	5121.9	4957.9	5375.9	5365.9	5278.9
47.5°	4763.9	5334.9	6391.8	7053.8	6438.8	5249.9	4936.9	5855.8	5936.8	5804.8
50°	4692.9	5571.9	7142.8	8121.8	7248.8	5385.9	4904.9	6387.8	6521.8	6419.8
52.5°	4764.9	5835.8	8030.8	9225.8	8264.8	5602.9	5120.9	7070.8	7046.8	6923.8
55°	4992.9	6147.8	9109.8	10612.7	9380.8	5969.8	5675.9	7721.8	7477.8	7330.8
57.5°	4981.9	6370.8	10055.7	11709.7	10351.7	6270.8	5868.8	7790.8	7297.8	7111.8
60°	4521.9	6268.8	10415.7	12403.7	10644.7	6104.8	5233.9	6958.8	6157.8	5962.8
62.5°	3374.9	5562.9	9717.7	11534.7	9815.7	5272.9	3935.9	4994.9	4424.9	4095.9
65°	2158.9	4351.9	8169.8	9344.8	8090.8	4032.9	2343.9	2677.9	2097.9	2003.9
67.5°	919.0	3071.9	6350.8	6245.8	6052.8	2612.9	905.0	754.0	562.0	552.0
70°	304.0	2089.9	3914.9	4165.9	3614.9	1800.0	299.0	253.0	252.0	243.0
72.5°	199.0	1122.0	2203.9	2453.9	2325.9	1036.0	181.0	169.0	173.0	169.0
75°	119.0	244.0	371.0	482.0	371.0	174.0	109.0	107.0	109.0	104.0
77.5°	70.0	68.0	66.0	66.0	65.0	60.0	55.0	53.0	54.0	55.0
80°	45.0	43.0	41.0	40.0	35.0	33.0	31.0	29.0	29.0	30.0
82.5°	29.0	27.0	25.0	22.0	18.0	15.0	14.0	12.0	12.0	13.0
85°	15.0	12.0	9.0	7.0	4.0	2.0	0.0	0.0	0.0	0.0
87.5°	3.0	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)