

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: P635070

Luminaire Tested: GWS-SA3D-722-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635070
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-SA3D-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10089.9 lumens
Efficiency: N/A
Efficacy: 83.5 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

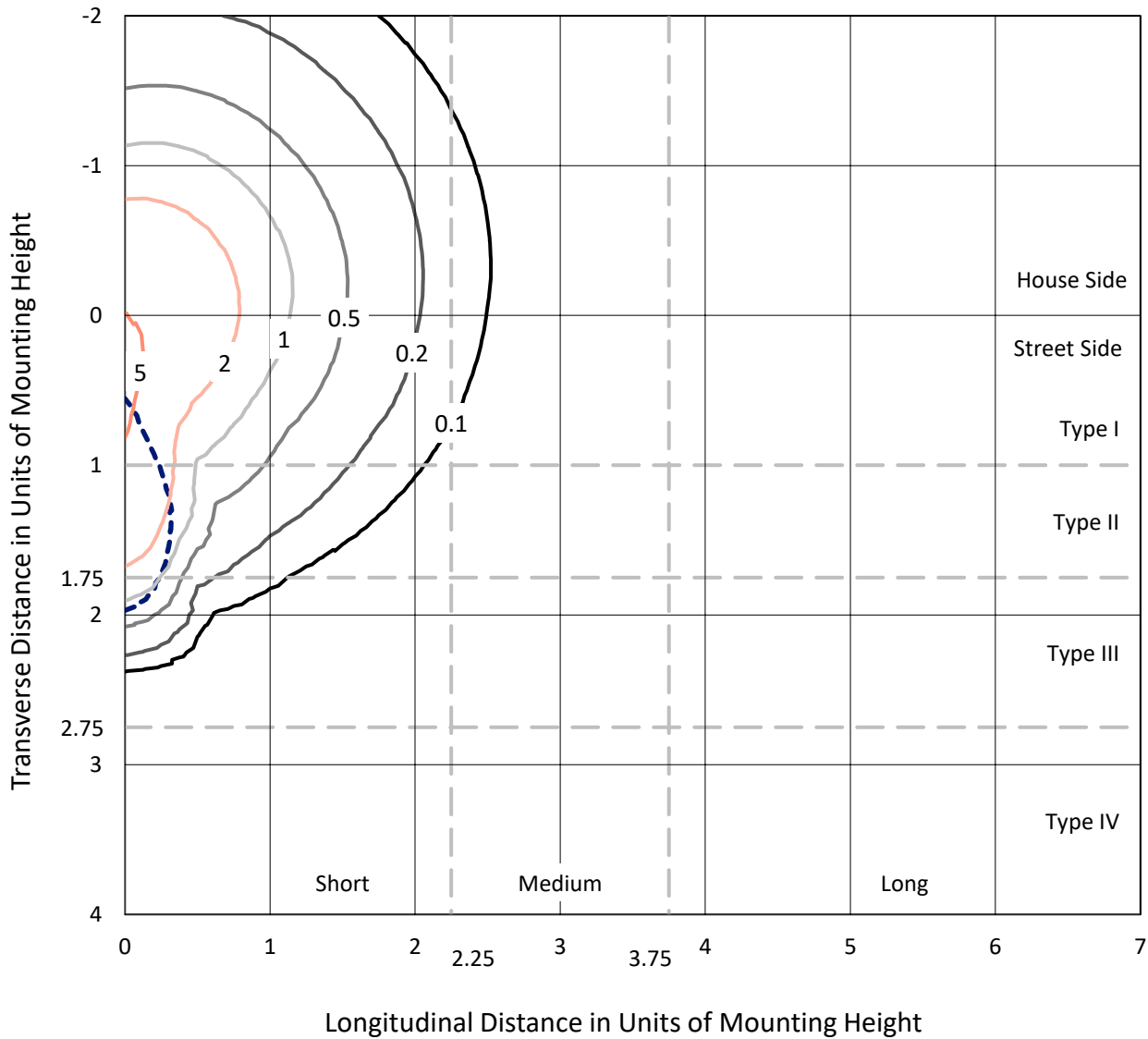
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

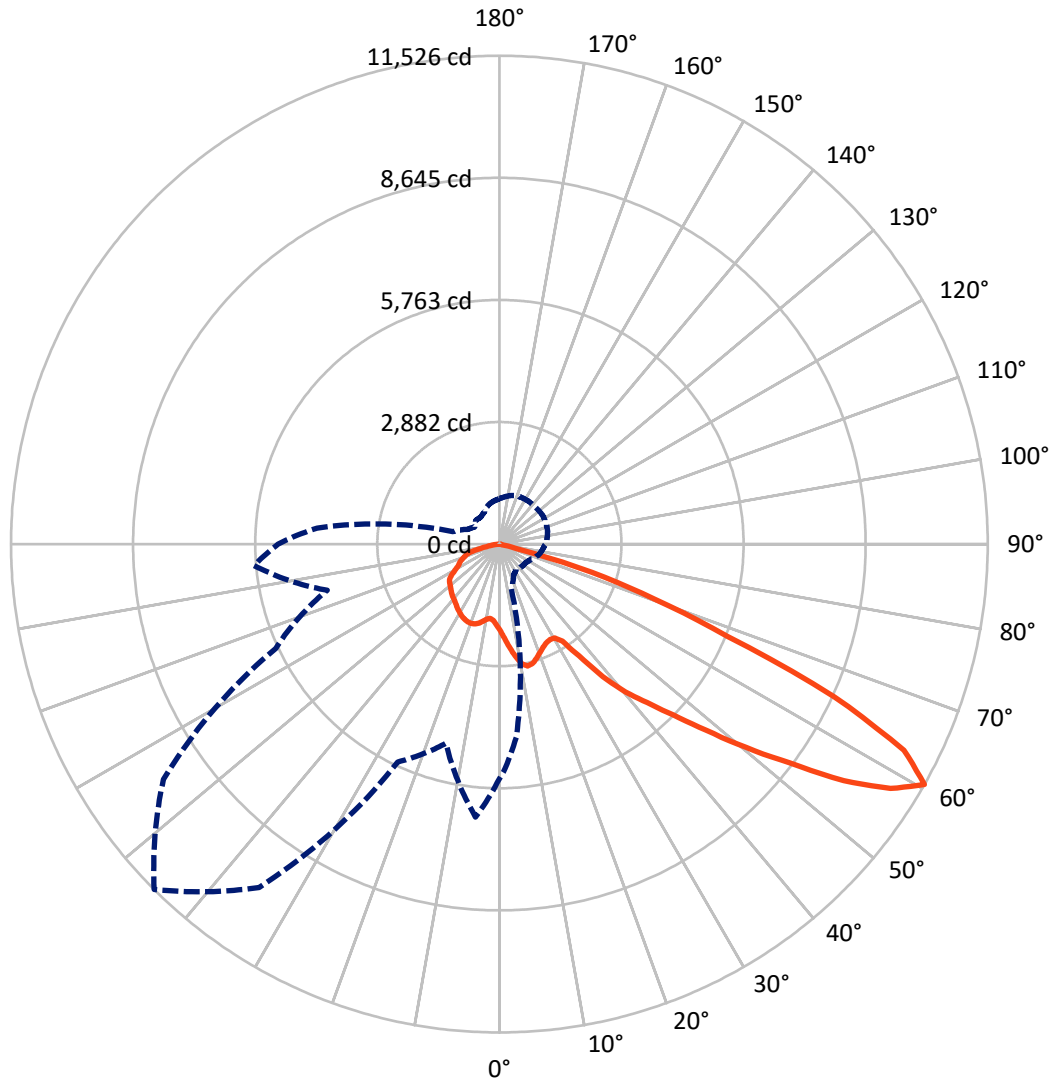
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 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	3451.7	0.0	3451.7
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	6638.2	0.0	6638.2
	% Fixture	65.8	0.0	65.8
Total	Lumens	10089.9	0.0	10089.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.8	2.0
10°-20°	637.7	6.3
20°-30°	1038.6	10.3
30°-40°	1459.0	14.5
40°-50°	1996.5	19.8
50°-60°	2561.4	25.4
60°-70°	1724.7	17.1
70°-80°	431.2	4.3
80°-90°	42.0	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°	10089.9	100.0
0°-180°	10089.9	100.0

Coefficient of Utilization



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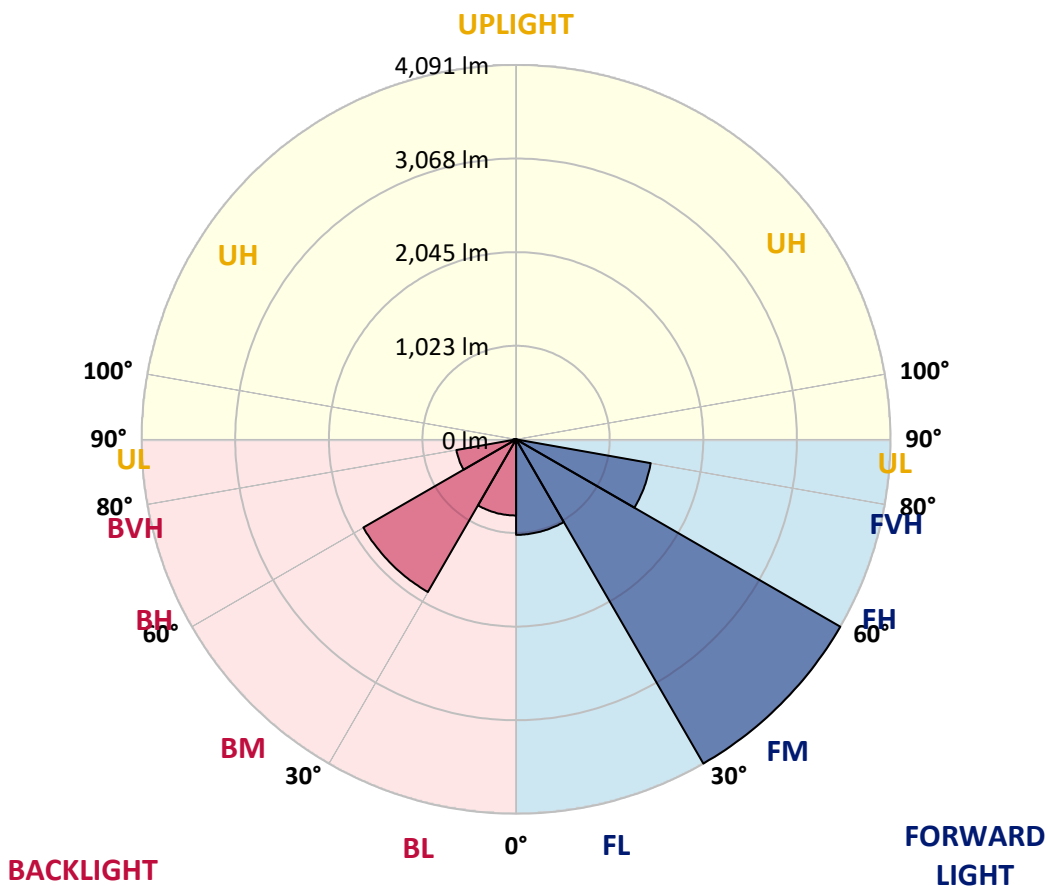
CATALOG NUMBER: GWS-SA3D-722-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1043.1	10.3			
FM (30°-60°)	4090.5	40.5			
FH (60°-80°)	1493.7	14.8			G1/1800
FVH (80°-90°)	10.9	0.1			G1/100
BL (0°-30°)	832.1	8.2	B2/1000		
BM (30°-60°)	1926.3	19.1	B2/2500		
BH (60°-80°)	662.2	6.6	B2/1000		G2/1000
BVH (80°-90°)	31.1	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°	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0
2.5°	2153.0	2148.4	2143.7	2107.5	2098.2	2072.2	2053.6	2030.4	1996.9	1978.3	1962.5
5°	2287.8	2280.3	2255.3	2180.9	2132.6	2079.6	2036.0	1987.6	1936.5	1903.1	1877.1
7.5°	2415.1	2413.2	2370.5	2247.8	2169.8	2093.6	2034.1	1963.5	1890.1	1839.9	1806.4
10°	2533.1	2519.2	2468.0	2308.2	2206.0	2118.7	2054.5	1976.5	1891.0	1823.2	1778.6
12.5°	2637.2	2619.5	2548.9	2364.0	2237.6	2129.8	2060.1	1996.0	1939.3	1882.6	1831.5
15°	2722.7	2701.3	2629.7	2416.0	2265.5	2123.3	2025.7	1975.6	1995.1	2020.2	1963.5
17.5°	2802.6	2780.3	2692.9	2454.1	2273.8	2083.3	1941.2	1919.8	2018.3	2132.6	2106.6
20°	2869.5	2844.4	2743.1	2472.7	2259.0	2007.1	1831.5	1868.7	1998.8	2135.4	2177.2
22.5°	2942.0	2921.5	2799.8	2499.6	2240.4	1902.1	1739.5	1830.6	1965.3	2085.2	2148.4
25°	3058.1	3033.0	2888.1	2547.0	2231.1	1803.6	1673.6	1793.4	1918.9	2027.6	2076.8
27.5°	3226.3	3179.8	3008.9	2629.7	2241.3	1710.7	1631.7	1747.9	1865.0	1957.9	1997.9
30°	3409.4	3353.6	3142.7	2715.2	2256.2	1654.0	1609.4	1695.9	1782.3	1875.2	1918.9
32.5°	3625.9	3576.6	3285.8	2779.3	2224.6	1628.0	1592.7	1639.2	1707.9	1782.3	1818.5
35°	3884.2	3795.9	3441.9	2831.4	2122.4	1589.9	1577.8	1576.9	1613.2	1685.6	1726.5
37.5°	4162.0	4067.3	3634.2	2887.1	1963.5	1529.5	1542.5	1503.5	1537.0	1594.6	1641.0
40°	4389.7	4290.3	3828.4	2963.3	1764.6	1434.7	1464.5	1422.7	1443.1	1502.6	1554.6
42.5°	4612.7	4506.8	4009.7	3049.8	1572.3	1341.8	1356.7	1340.9	1347.4	1409.7	1482.1
45°	4905.4	4786.5	4232.7	3111.1	1399.4	1268.4	1254.5	1227.5	1261.9	1342.7	1419.9
47.5°	5394.2	5252.0	4597.9	3151.0	1274.0	1226.6	1162.5	1146.7	1189.4	1279.6	1359.5
50°	5965.7	5843.0	5181.4	3149.2	1180.1	1191.3	1073.3	1059.3	1130.0	1221.0	1305.6
52.5°	6434.0	6309.5	5680.4	3056.3	1103.0	1116.0	1021.2	982.2	1078.8	1163.4	1248.0
55°	6812.2	6671.9	5909.9	2667.8	1005.4	996.1	964.5	893.0	1014.7	1105.8	1184.8
57.5°	6608.7	6441.5	5632.1	2028.5	905.1	846.5	867.0	814.0	927.4	1041.7	1117.9
60°	5541.0	5390.5	4575.6	1079.8	796.4	707.1	749.9	758.3	831.7	964.5	1042.6
62.5°	3806.1	3696.5	3100.9	655.1	628.2	567.8	634.7	695.1	749.9	862.3	930.2
65°	1862.2	1829.7	1550.9	420.0	439.5	459.0	525.9	599.4	680.2	778.7	850.3
67.5°	512.9	516.7	470.2	328.0	346.6	400.5	453.5	512.0	592.9	683.9	756.4
70°	225.8	229.5	237.0	252.8	288.1	337.3	392.1	452.5	526.9	603.1	672.8
72.5°	157.0	160.8	171.9	192.4	223.9	270.4	322.4	380.1	457.2	521.3	578.9
75°	96.6	99.4	109.6	127.3	148.7	184.0	235.1	288.1	355.9	414.4	465.5
77.5°	51.1	49.2	55.8	67.8	86.4	105.0	139.4	172.8	221.2	268.5	311.3
80°	27.9	26.9	30.7	37.2	42.7	57.6	80.8	103.1	131.0	158.0	181.2
82.5°	12.1	11.2	12.1	15.8	19.5	27.9	40.9	56.7	72.5	91.1	105.9
85°	0.0	0.0	0.0	0.9	4.6	7.4	13.9	20.4	29.7	40.9	50.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	8.4
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°	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0
2.5°	1953.3	1930.0	1928.2	1909.6	1911.4	1912.4	1893.8	1886.3	1892.9	1900.3	1896.6
5°	1867.8	1843.6	1833.4	1815.7	1813.9	1805.5	1798.1	1788.8	1795.3	1801.8	1805.5
7.5°	1793.4	1777.6	1771.1	1766.5	1768.3	1764.6	1749.8	1741.4	1740.5	1743.2	1747.0
10°	1769.3	1756.3	1764.6	1777.6	1786.9	1793.4	1777.6	1763.7	1750.7	1745.1	1745.1
12.5°	1821.3	1804.6	1821.3	1835.2	1853.8	1858.5	1840.8	1825.9	1821.3	1826.9	1838.0
15°	1936.5	1897.5	1896.6	1904.9	1919.8	1927.2	1910.5	1903.1	1903.1	1938.4	1966.3
17.5°	2051.8	1987.6	1960.7	1956.0	1965.3	1968.1	1954.2	1947.7	1964.4	2033.2	2085.2
20°	2132.6	2054.5	1996.0	1984.8	1987.6	1988.6	1977.4	1972.8	1996.9	2080.6	2124.2
22.5°	2124.2	2066.6	1995.1	1981.1	1985.8	1983.9	1973.7	1971.8	1991.4	2063.8	2084.3
25°	2066.6	2022.0	1961.6	1952.3	1959.8	1958.8	1948.6	1944.0	1952.3	2000.6	2002.5
27.5°	2000.6	1961.6	1909.6	1906.8	1918.9	1925.4	1907.7	1893.8	1891.0	1923.5	1916.1
30°	1921.7	1892.9	1851.0	1852.9	1875.2	1878.9	1857.5	1837.1	1831.5	1849.2	1839.0
32.5°	1827.8	1818.5	1796.2	1800.9	1822.2	1829.7	1807.4	1786.0	1779.5	1785.1	1763.7
35°	1747.9	1744.2	1746.0	1754.4	1773.0	1778.6	1760.0	1743.2	1734.0	1714.4	1686.6
37.5°	1665.2	1675.4	1702.4	1718.2	1728.4	1726.5	1716.3	1704.2	1689.4	1653.1	1618.7
40°	1588.1	1614.1	1662.4	1680.1	1683.8	1684.7	1677.3	1667.0	1648.5	1600.1	1561.1
42.5°	1528.6	1557.4	1621.5	1648.5	1650.3	1652.2	1644.7	1636.4	1610.4	1546.2	1508.1
45°	1466.3	1504.4	1579.7	1612.2	1610.4	1609.4	1602.9	1599.2	1568.5	1494.2	1452.4
47.5°	1413.4	1458.0	1538.8	1566.7	1565.8	1564.8	1560.2	1560.2	1529.5	1448.7	1401.3
50°	1361.3	1412.4	1497.0	1520.2	1522.1	1520.2	1518.4	1521.2	1484.9	1398.5	1352.0
52.5°	1304.6	1362.3	1450.5	1471.9	1483.1	1487.7	1487.7	1481.2	1438.5	1348.3	1297.2
55°	1242.4	1297.2	1399.4	1428.2	1437.5	1445.9	1445.9	1432.9	1392.9	1301.9	1247.0
57.5°	1165.3	1213.6	1294.4	1323.2	1345.5	1351.1	1351.1	1329.7	1297.2	1209.9	1165.3
60°	1081.6	1123.4	1178.3	1208.9	1225.7	1214.5	1222.9	1217.3	1191.3	1110.4	1073.3
62.5°	970.1	1012.9	1073.3	1104.9	1112.3	1101.1	1112.3	1111.4	1076.1	1003.6	959.0
65°	890.2	932.0	991.5	1032.4	1044.5	1041.7	1049.1	1038.0	994.3	925.5	882.8
67.5°	795.4	840.0	908.8	954.3	979.4	982.2	992.4	969.2	924.6	849.3	795.4
70°	705.3	743.4	796.4	839.1	874.4	892.1	893.9	860.5	804.7	742.5	703.4
72.5°	610.5	649.5	713.7	760.1	804.7	825.2	825.2	784.3	723.9	655.1	613.3
75°	495.3	531.5	590.1	640.2	691.4	717.4	716.4	681.1	614.2	549.2	505.5
77.5°	335.5	362.4	399.6	437.7	445.1	465.5	475.8	431.2	394.0	358.7	319.7
80°	195.1	211.9	232.3	253.7	258.3	264.8	248.1	231.4	211.9	188.6	171.0
82.5°	114.3	125.4	135.7	152.4	155.2	157.0	142.2	134.7	118.9	105.0	93.9
85°	55.8	59.5	68.8	77.1	73.4	71.6	65.0	57.6	51.1	45.5	40.0
87.5°	11.2	11.2	16.7	15.8	13.0	11.2	6.5	8.4	1.9	1.9	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°	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0
2.5°	1908.6	1924.4	1944.0	1970.0	1999.7	2031.3	2062.0	2085.2	2108.4	2142.8	2137.2
5°	1811.1	1838.0	1868.7	1908.6	1957.0	2011.8	2073.1	2134.5	2200.4	2256.2	2280.3
7.5°	1754.4	1784.1	1820.4	1872.4	1934.7	2001.6	2088.0	2187.4	2294.3	2367.7	2413.2
10°	1754.4	1792.5	1839.9	1890.1	1944.9	2013.7	2120.5	2245.0	2382.6	2479.2	2532.2
12.5°	1855.7	1893.8	1904.0	1902.1	1932.8	2009.0	2146.5	2305.4	2469.9	2572.1	2637.2
15°	2013.7	2026.7	1949.5	1878.9	1883.6	1975.6	2158.6	2353.8	2545.2	2667.8	2738.5
17.5°	2119.6	2085.2	1947.7	1824.1	1798.1	1918.9	2158.6	2400.2	2625.1	2763.5	2829.5
20°	2127.9	2042.5	1900.3	1771.1	1704.2	1843.6	2143.7	2435.5	2702.2	2855.5	2926.2
22.5°	2054.5	1970.0	1850.1	1725.6	1627.1	1752.5	2119.6	2462.5	2768.2	2942.0	3029.3
25°	1970.9	1900.3	1799.0	1679.1	1574.1	1660.5	2097.3	2508.0	2860.2	3059.0	3147.3
27.5°	1889.1	1829.7	1737.7	1640.1	1544.4	1580.6	2083.3	2574.9	2969.8	3225.4	3301.6
30°	1809.2	1755.3	1671.7	1602.9	1528.6	1528.6	2071.3	2652.0	3114.8	3412.2	3488.3
32.5°	1728.4	1677.3	1609.4	1566.7	1519.3	1508.1	2037.8	2724.5	3264.4	3616.6	3694.6
35°	1653.1	1602.0	1550.0	1532.3	1514.7	1492.4	1955.1	2781.2	3410.3	3855.4	3922.3
37.5°	1582.5	1533.2	1494.2	1489.6	1491.4	1449.6	1825.0	2828.6	3592.4	4099.8	4135.1
40°	1521.2	1466.3	1435.7	1434.7	1444.0	1380.8	1660.5	2896.4	3800.6	4307.0	4292.1
42.5°	1466.3	1408.7	1371.6	1379.9	1374.3	1312.1	1499.8	2958.7	3981.8	4501.2	4471.5
45°	1412.4	1356.7	1304.6	1316.7	1310.2	1269.3	1363.2	3004.2	4182.5	4734.5	4738.2
47.5°	1360.4	1305.6	1253.5	1238.7	1237.7	1256.3	1258.2	3019.1	4509.6	5109.9	5025.3
50°	1312.1	1257.3	1203.4	1153.2	1172.7	1230.3	1180.1	3007.9	4999.3	5524.3	5288.3
52.5°	1261.9	1209.9	1150.4	1060.3	1111.4	1168.0	1110.4	2968.0	5298.5	5890.4	5749.2
55°	1204.3	1155.0	1074.2	964.5	1026.8	1038.9	1038.9	2581.4	5425.8	6252.8	6340.2
57.5°	1127.2	1062.1	933.9	845.6	901.4	854.9	962.7	1806.4	5215.8	6138.5	6477.7
60°	1039.8	970.1	834.5	771.3	788.0	706.2	820.5	1132.7	4322.8	5223.2	5810.5
62.5°	924.6	860.5	748.0	698.8	664.4	576.1	660.7	716.4	2963.3	3878.6	4279.1
65°	847.5	776.8	676.5	611.4	540.8	463.7	438.6	470.2	1593.6	2170.7	2441.1
67.5°	756.4	686.7	591.9	510.2	453.5	397.7	354.0	342.9	546.4	722.9	782.4
70°	670.0	603.1	524.1	447.9	391.2	336.4	293.6	263.0	252.8	250.9	247.2
72.5°	581.7	519.4	453.5	382.8	320.6	270.4	232.3	197.0	182.1	177.5	172.8
75°	476.7	427.4	361.5	285.3	235.1	188.6	158.9	135.7	122.7	118.0	112.4
77.5°	306.6	284.3	226.7	184.0	142.2	112.4	96.6	81.8	73.4	71.6	66.9
80°	163.5	152.4	125.4	105.9	84.6	68.8	60.4	52.0	47.4	45.5	43.7
82.5°	91.1	82.7	69.7	61.3	49.2	41.8	37.2	33.5	30.7	29.7	28.8
85°	40.9	35.3	27.9	26.0	23.2	21.4	20.4	18.6	17.7	16.7	15.8
87.5°	1.9	3.7	4.6	3.7	3.7	5.6	6.5	6.5	5.6	5.6	4.6
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: P635070

CATALOG NUMBER: GWS-SA3D-722-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0
2.5°	2171.6	2199.5	2202.3	2211.6	2199.5	2196.7	2177.2	2166.0	2155.8	2153.0
5°	2340.7	2396.5	2418.8	2434.6	2419.7	2412.3	2369.6	2324.9	2299.9	2287.8
7.5°	2514.5	2598.1	2641.8	2661.3	2663.2	2629.7	2556.3	2472.7	2430.9	2415.1
10°	2669.7	2772.8	2830.5	2867.6	2854.6	2813.7	2713.4	2600.0	2547.0	2533.1
12.5°	2784.9	2883.4	2928.0	2952.2	2951.3	2929.0	2834.2	2711.5	2651.1	2637.2
15°	2859.3	2917.8	2920.6	2926.2	2942.0	2971.7	2922.4	2809.1	2742.2	2722.7
17.5°	2917.8	2894.6	2850.9	2836.0	2871.3	2954.0	2983.8	2891.8	2819.3	2802.6
20°	2955.0	2837.9	2760.8	2732.0	2772.8	2907.6	3020.9	2966.1	2890.9	2869.5
22.5°	2983.8	2784.9	2660.4	2640.9	2683.6	2857.4	3059.0	3054.4	2971.7	2942.0
25°	3029.3	2749.6	2589.8	2575.8	2615.8	2833.2	3110.2	3174.3	3100.9	3058.1
27.5°	3100.9	2745.9	2553.5	2548.9	2603.7	2854.6	3183.6	3349.9	3257.9	3226.3
30°	3200.3	2781.2	2561.9	2571.2	2638.1	2931.7	3297.9	3550.6	3458.6	3409.4
32.5°	3343.4	2876.0	2689.2	2729.2	2778.4	3055.3	3465.1	3768.0	3698.4	3625.9
35°	3532.0	3136.2	3065.5	3235.6	3189.1	3325.7	3666.8	4032.0	3947.4	3884.2
37.5°	3783.8	3669.6	3734.6	3968.8	3856.3	3836.8	3913.0	4271.7	4225.2	4162.0
40°	4137.0	4160.2	4280.1	4587.6	4425.0	4299.6	4215.0	4452.0	4467.8	4389.7
42.5°	4371.1	4478.0	4767.0	5116.4	4892.4	4592.3	4467.8	4682.4	4683.3	4612.7
45°	4458.5	4738.2	5342.2	5744.5	5370.1	4759.5	4607.1	4995.6	4986.3	4905.4
47.5°	4426.9	4957.5	5939.7	6554.8	5983.3	4878.5	4587.6	5441.6	5516.9	5394.2
50°	4360.9	5177.7	6637.5	7547.3	6736.0	5004.9	4557.9	5936.0	6060.5	5965.7
52.5°	4427.8	5423.0	7462.7	8573.1	7680.1	5206.5	4758.6	6570.6	6548.3	6434.0
55°	4639.7	5712.9	8465.3	9862.0	8717.2	5547.5	5274.3	7175.6	6948.8	6812.2
57.5°	4629.5	5920.2	9344.4	10881.3	9619.4	5827.2	5453.7	7239.7	6781.6	6608.7
60°	4202.0	5825.4	9678.9	11526.2	9891.7	5673.0	4863.6	6466.5	5722.2	5541.0
62.5°	3136.2	5169.3	9030.3	10718.7	9121.4	4899.9	3657.5	4641.5	4111.9	3806.1
65°	2006.2	4044.0	7591.9	8683.7	7518.4	3747.6	2178.1	2488.5	1949.5	1862.2
67.5°	854.0	2854.6	5901.6	5804.0	5624.7	2428.1	841.0	700.6	522.2	512.9
70°	282.5	1942.1	3638.0	3871.2	3359.2	1672.6	277.8	235.1	234.2	225.8
72.5°	184.9	1042.6	2048.0	2280.3	2161.4	962.7	168.2	157.0	160.8	157.0
75°	110.6	226.7	344.7	447.9	344.7	161.7	101.3	99.4	101.3	96.6
77.5°	65.0	63.2	61.3	61.3	60.4	55.8	51.1	49.2	50.2	51.1
80°	41.8	40.0	38.1	37.2	32.5	30.7	28.8	26.9	26.9	27.9
82.5°	26.9	25.1	23.2	20.4	16.7	13.9	13.0	11.2	11.2	12.1
85°	13.9	11.2	8.4	6.5	3.7	1.9	0.0	0.0	0.0	0.0
87.5°	2.8	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)