

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: P642494

Luminaire Tested: GWS-SA6D-722-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642494
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-SA6D-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14148.7 lumens
Efficiency: N/A
Efficacy: 57.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

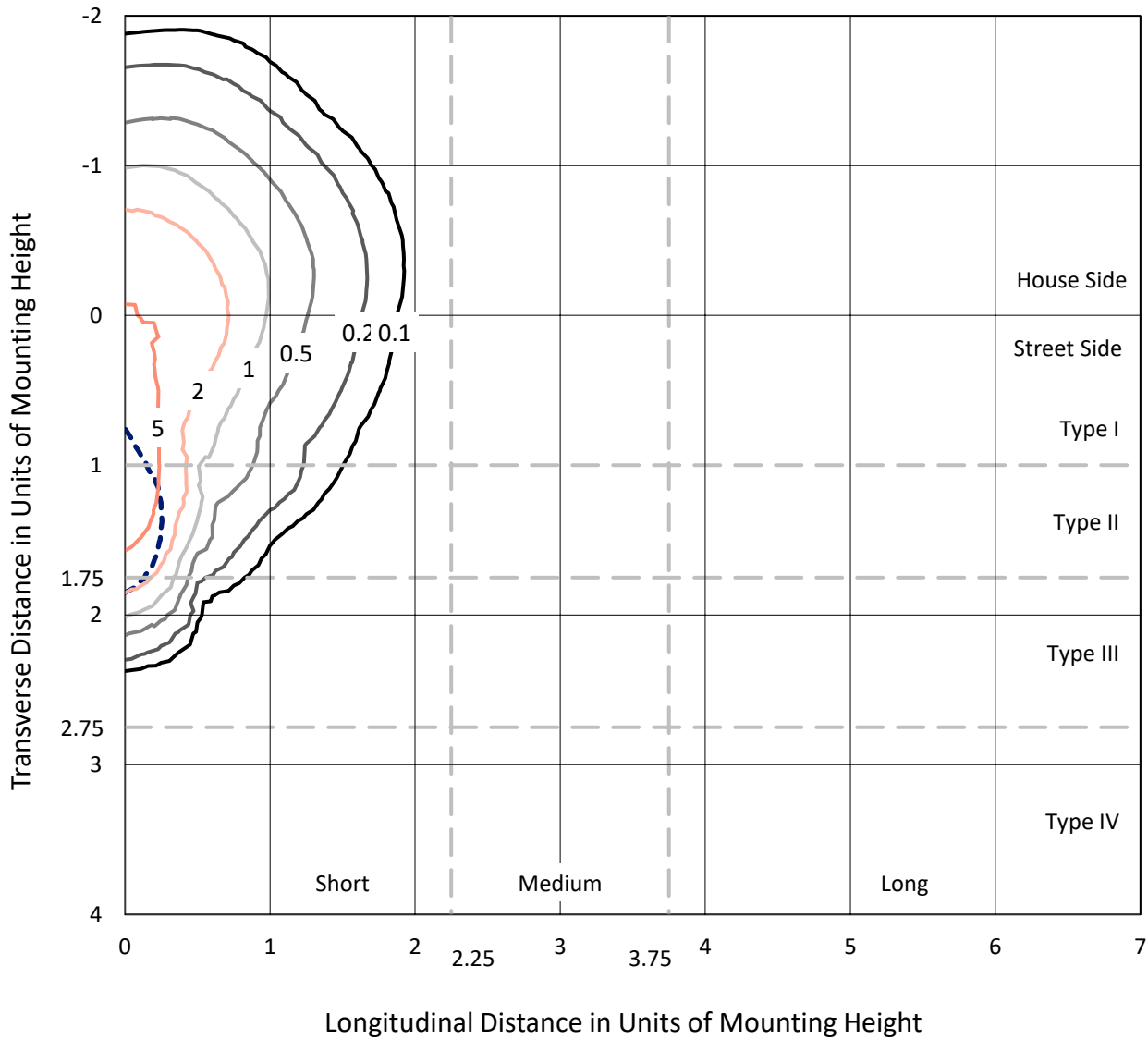
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

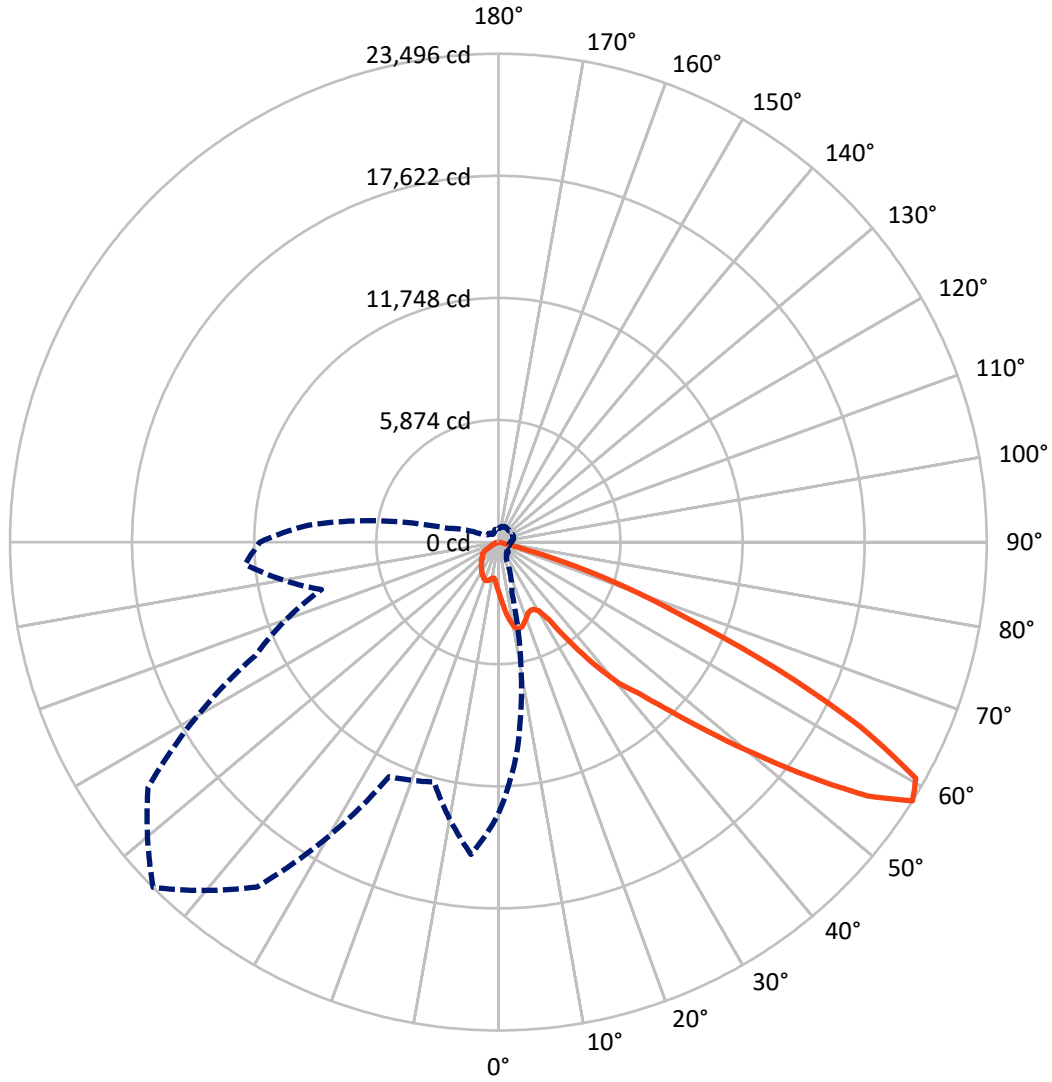
× Max cd
 - - - 1/2 Max cd



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3048.1	0.0	3048.1
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	11100.6	0.0	11100.6
	% Fixture	78.5	0.0	78.5
Total	Lumens	14148.7	0.0	14148.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.6	1.7
10°-20°	781.9	5.5
20°-30°	1268.9	9.0
30°-40°	1947.4	13.8
40°-50°	3110.2	22.0
50°-60°	4354.9	30.8
60°-70°	2232.8	15.8
70°-80°	215.0	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°	14148.7	100.0
0°-180°	14148.7	100.0

Coefficient of Utilization



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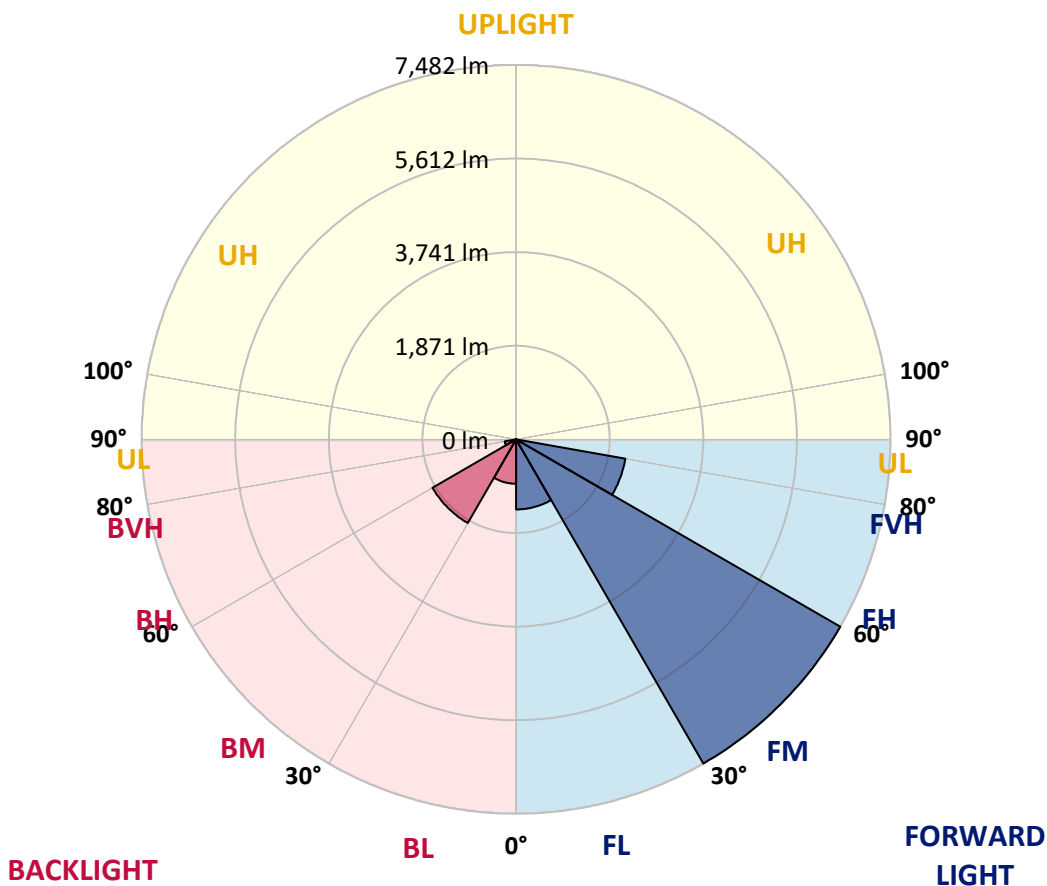
CATALOG NUMBER: GWS-SA6D-722-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1400.8	9.9			
FM (30°-60°)	7482.2	52.9			
FH (60°-80°)	2217.6	15.7			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	887.6	6.3	B2/1000		
BM (30°-60°)	1930.3	13.6	B2/2500		
BH (60°-80°)	230.2	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°	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1
2.5°	2670.8	2665.1	2646.2	2581.9	2542.2	2479.7	2434.3	2375.7	2311.4	2271.7	2231.9
5°	2954.5	2939.4	2888.3	2740.8	2627.3	2504.3	2406.0	2298.2	2182.8	2107.1	2037.1
7.5°	3226.9	3204.2	3136.1	2886.4	2714.3	2538.4	2398.4	2241.4	2078.7	1965.2	1878.2
10°	3493.6	3442.5	3334.7	3028.3	2795.6	2583.8	2419.2	2239.5	2048.5	1904.7	1808.3
12.5°	3713.0	3675.1	3527.6	3162.6	2863.7	2593.2	2390.8	2224.4	2095.8	1999.3	1910.4
15°	3902.1	3860.5	3720.5	3283.6	2922.3	2555.4	2271.7	2126.0	2146.8	2184.7	2109.0
17.5°	4076.1	4032.6	3881.3	3383.9	2945.0	2462.7	2105.2	2035.2	2150.6	2292.5	2264.1
20°	4255.8	4206.7	4021.3	3465.2	2937.5	2317.1	1936.9	1957.7	2120.4	2283.0	2298.2
22.5°	4465.8	4414.7	4199.1	3569.2	2931.8	2143.0	1791.2	1889.6	2063.6	2201.7	2228.2
25°	4743.8	4683.3	4446.9	3722.4	2946.9	1984.2	1687.2	1823.4	1967.1	2092.0	2107.1
27.5°	5110.8	5033.2	4732.5	3911.6	2979.1	1859.3	1641.8	1732.6	1844.2	1955.8	1969.0
30°	5589.3	5491.0	5059.7	4076.1	2964.0	1772.3	1611.5	1641.8	1708.0	1798.8	1800.7
32.5°	6149.2	6014.9	5426.7	4218.0	2833.4	1708.0	1569.9	1549.1	1564.3	1634.2	1647.5
35°	6807.4	6633.4	5831.4	4352.3	2595.1	1583.2	1494.3	1424.3	1418.6	1452.7	1484.8
37.5°	7562.1	7354.1	6342.1	4524.4	2313.3	1452.7	1382.7	1312.7	1282.4	1299.4	1348.6
40°	8258.2	8027.5	6875.5	4732.5	2025.8	1335.4	1252.2	1180.3	1144.3	1150.0	1210.5
42.5°	9075.3	8837.0	7528.1	5004.9	1787.5	1255.9	1116.0	1042.2	994.9	1021.4	1091.4
45°	10316.1	10045.7	8479.5	5241.3	1598.3	1237.0	996.8	892.8	870.1	915.5	998.7
47.5°	12010.9	11679.9	9786.5	5385.0	1437.5	1254.1	913.6	771.7	777.4	828.5	911.7
50°	13692.4	13334.9	11297.8	5195.9	1305.1	1220.0	872.0	677.2	713.1	758.5	834.1
52.5°	14848.1	14382.8	12033.6	4649.3	1184.1	1091.4	868.2	588.3	656.3	671.5	735.8
55°	14893.5	14320.4	11657.2	3665.7	1019.5	921.2	828.5	514.5	593.9	599.6	654.5
57.5°	13055.0	12536.7	10187.5	2517.6	906.0	675.3	660.1	450.2	488.0	535.3	569.3
60°	9932.2	9491.5	7618.9	1153.8	688.5	429.4	452.1	387.8	365.1	435.0	469.1
62.5°	6083.0	5801.2	4569.8	510.7	438.8	228.9	274.3	308.3	274.3	300.7	329.1
65°	2415.4	2290.6	1734.5	217.5	179.7	115.4	124.8	179.7	192.9	211.8	238.3
67.5°	419.9	397.2	291.3	96.5	73.8	70.0	60.5	83.2	117.3	130.5	151.3
70°	54.9	53.0	47.3	39.7	37.8	34.0	26.5	53.0	79.4	83.2	96.5
72.5°	13.2	11.3	11.3	9.5	11.3	3.8	3.8	28.4	56.7	58.6	68.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	35.9	39.7	47.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
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°	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1
2.5°	2199.8	2162.0	2148.7	2129.8	2105.2	2112.8	2078.7	2067.4	2084.4	2107.1	2101.4
5°	1999.3	1957.7	1929.3	1885.8	1878.2	1861.2	1849.9	1834.7	1853.7	1880.1	1885.8
7.5°	1840.4	1804.5	1776.1	1762.9	1753.4	1745.8	1723.1	1711.8	1711.8	1723.1	1732.6
10°	1772.3	1745.8	1740.2	1743.9	1759.1	1757.2	1736.4	1721.2	1702.3	1692.9	1704.2
12.5°	1866.9	1823.4	1815.8	1817.7	1836.6	1834.7	1812.0	1793.1	1789.3	1793.1	1829.1
15°	2027.7	1961.5	1912.3	1902.8	1912.3	1908.5	1891.5	1880.1	1885.8	1940.7	2001.2
17.5°	2171.4	2069.3	1980.4	1946.3	1944.4	1938.8	1921.7	1918.0	1946.3	2048.5	2137.4
20°	2213.0	2112.8	1986.1	1942.6	1933.1	1927.4	1908.5	1914.2	1950.1	2073.1	2148.7
22.5°	2158.2	2061.7	1929.3	1885.8	1878.2	1876.4	1857.4	1865.0	1895.3	2003.1	2065.5
25°	2054.1	1972.8	1834.7	1796.9	1796.9	1793.1	1776.1	1779.9	1798.8	1893.4	1953.9
27.5°	1927.4	1849.9	1734.5	1696.7	1702.3	1708.0	1687.2	1681.5	1696.7	1785.6	1821.5
30°	1781.8	1726.9	1636.1	1602.1	1600.2	1622.9	1594.5	1587.0	1607.8	1677.7	1685.3
32.5°	1639.9	1613.4	1549.1	1522.6	1524.5	1528.3	1513.2	1513.2	1532.1	1569.9	1568.0
35°	1501.8	1484.8	1473.5	1454.5	1452.7	1445.1	1445.1	1448.9	1469.7	1482.9	1458.3
37.5°	1369.4	1386.5	1399.7	1380.8	1365.7	1365.7	1365.7	1382.7	1401.6	1395.9	1354.3
40°	1252.2	1288.1	1329.7	1308.9	1273.0	1271.1	1278.6	1307.0	1335.4	1301.3	1263.5
42.5°	1151.9	1197.3	1255.9	1244.6	1204.9	1199.2	1204.9	1240.8	1263.5	1220.0	1178.4
45°	1053.6	1110.3	1180.3	1180.3	1136.8	1131.1	1133.0	1180.3	1193.5	1142.5	1089.5
47.5°	970.3	1032.7	1106.5	1106.5	1070.6	1059.2	1068.7	1117.9	1127.3	1055.4	1006.3
50°	890.9	959.0	1040.3	1034.6	1010.1	1000.6	1017.6	1070.6	1059.2	979.8	928.7
52.5°	790.6	862.5	974.1	979.8	966.5	968.4	989.2	1023.3	991.1	894.7	851.2
55°	699.8	773.6	885.2	915.5	915.5	913.6	923.0	949.5	923.0	807.7	754.7
57.5°	601.5	663.9	756.6	764.2	769.8	749.0	762.3	798.2	785.0	686.6	656.3
60°	493.7	546.6	599.6	605.3	580.7	537.2	561.8	603.4	612.8	539.1	505.0
62.5°	349.9	401.0	463.4	463.4	438.8	395.3	427.5	463.4	450.2	374.5	353.7
65°	261.0	308.3	355.6	376.4	355.6	325.3	349.9	376.4	355.6	293.2	262.9
67.5°	168.3	200.5	228.9	245.9	249.7	245.9	257.2	249.7	225.1	183.5	166.5
70°	102.1	119.2	134.3	149.4	160.8	166.5	172.1	155.1	130.5	107.8	102.1
72.5°	73.8	88.9	102.1	113.5	126.7	130.5	130.5	119.2	96.5	75.7	70.0
75°	51.1	64.3	75.7	83.2	94.6	98.4	98.4	88.9	71.9	54.9	49.2
77.5°	1.9	13.2	13.2	11.3	15.1	18.9	18.9	22.7	20.8	15.1	13.2
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°	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1
2.5°	2112.8	2180.9	2199.8	2269.8	2332.2	2394.6	2470.3	2515.7	2583.8	2631.1	2657.5
5°	1904.7	1961.5	2029.6	2133.6	2241.4	2360.6	2504.3	2629.2	2786.2	2901.5	2939.4
7.5°	1753.4	1827.2	1906.6	2037.1	2184.7	2343.5	2545.9	2750.2	2990.4	3147.4	3247.7
10°	1725.0	1800.7	1906.6	2035.2	2190.3	2371.9	2619.7	2884.5	3185.3	3376.3	3489.8
12.5°	1861.2	1942.6	1987.9	2046.6	2163.9	2366.2	2684.0	3020.7	3374.4	3582.5	3703.5
15°	2061.7	2133.6	2059.8	1986.1	2061.7	2305.7	2720.0	3134.2	3540.9	3781.1	3905.9
17.5°	2199.8	2205.5	2044.7	1887.7	1908.5	2196.0	2733.2	3247.7	3718.7	3970.2	4100.7
20°	2186.6	2141.2	1978.5	1804.5	1740.2	2054.1	2718.1	3347.9	3898.3	4161.3	4289.9
22.5°	2084.4	2031.5	1893.4	1723.1	1598.3	1885.8	2691.6	3438.7	4062.9	4361.8	4482.8
25°	1961.5	1904.7	1791.2	1641.8	1507.5	1723.1	2670.8	3563.6	4271.0	4622.8	4717.4
27.5°	1817.7	1768.5	1672.1	1564.3	1469.7	1600.2	2665.1	3728.1	4522.5	4940.6	5006.8
30°	1677.7	1632.3	1556.7	1494.3	1454.5	1528.3	2646.2	3904.0	4823.3	5305.6	5377.5
32.5°	1543.4	1498.1	1450.8	1441.3	1443.2	1501.8	2581.9	4078.0	5180.8	5835.2	5888.2
35°	1428.1	1375.1	1356.2	1378.9	1420.5	1456.4	2400.3	4221.8	5564.7	6412.1	6455.6
37.5°	1318.4	1265.4	1263.5	1318.4	1363.8	1386.5	2186.6	4363.6	6083.0	6998.5	7053.3
40°	1218.1	1165.2	1184.1	1250.3	1286.2	1297.6	1927.4	4579.3	6631.5	7617.0	7586.7
42.5°	1133.0	1078.1	1089.5	1174.6	1206.8	1237.0	1689.1	4759.0	7159.3	8203.4	8193.9
45°	1049.8	1008.2	1000.6	1093.3	1121.6	1242.7	1515.1	4897.0	7838.3	8950.5	8965.6
47.5°	968.4	936.3	938.2	977.9	1047.9	1271.1	1367.5	4987.8	8823.8	10134.6	9871.6
50°	894.7	870.1	890.9	845.5	1000.6	1235.1	1240.8	4968.9	9924.6	11269.5	10741.7
52.5°	813.3	807.7	817.1	707.4	924.9	1089.5	1121.6	4717.4	10441.0	12045.0	11744.2
55°	730.1	728.2	652.6	565.6	773.6	870.1	960.9	3936.2	10424.0	12457.3	12822.4
57.5°	631.8	616.6	495.6	461.5	601.5	605.3	875.8	2578.1	9238.0	11469.9	12226.5
60°	478.5	467.2	363.2	374.5	419.9	387.8	698.0	1284.3	6903.9	8935.4	9788.4
62.5°	331.0	315.9	270.5	289.4	270.5	221.3	427.5	635.5	4182.1	5642.3	6415.9
65°	242.1	225.1	185.4	158.9	126.7	126.7	162.7	244.0	1619.1	2398.4	2892.1
67.5°	149.4	141.9	109.7	79.4	77.6	83.2	85.1	121.1	261.0	416.1	508.8
70°	96.5	88.9	73.8	51.1	47.3	49.2	51.1	56.7	66.2	71.9	87.0
72.5°	66.2	62.4	53.0	28.4	22.7	24.6	26.5	26.5	32.2	30.3	35.9
75°	47.3	43.5	37.8	13.2	7.6	9.5	11.3	9.5	11.3	7.6	9.5
77.5°	13.2	13.2	9.5	1.9	0.0	1.9	3.8	3.8	1.9	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	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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CATALOG NUMBER: GWS-SA6D-722-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1	2404.1
2.5°	2725.6	2769.1	2786.2	2761.6	2782.4	2748.3	2735.1	2684.0	2680.2	2670.8
5°	3092.6	3190.9	3249.6	3285.5	3243.9	3198.5	3130.4	3013.1	2977.2	2954.5
7.5°	3453.8	3607.1	3707.3	3754.6	3743.2	3650.6	3527.6	3330.9	3260.9	3226.9
10°	3767.8	3955.1	4076.1	4134.8	4110.2	4028.9	3852.9	3607.1	3514.4	3493.6
12.5°	3987.2	4159.4	4242.6	4293.7	4295.6	4263.4	4097.0	3849.2	3739.5	3713.0
15°	4125.3	4199.1	4201.0	4231.2	4284.2	4356.1	4278.5	4059.1	3941.8	3902.1
17.5°	4212.3	4131.0	4047.8	4055.3	4142.3	4333.4	4412.8	4244.5	4119.6	4076.1
20°	4274.7	4017.5	3862.4	3864.3	3953.2	4242.6	4505.5	4424.2	4295.6	4255.8
22.5°	4314.5	3917.3	3696.0	3690.3	3784.9	4134.8	4590.6	4637.9	4511.2	4465.8
25°	4395.8	3870.0	3595.7	3627.9	3711.1	4100.7	4706.0	4921.6	4804.4	4743.8
27.5°	4541.4	3917.3	3586.3	3660.0	3754.6	4201.0	4906.5	5299.9	5178.9	5110.8
30°	4793.0	4095.1	3731.9	3834.0	3947.5	4463.9	5243.2	5827.7	5653.6	5589.3
32.5°	5197.8	4463.9	4182.1	4401.5	4511.2	4895.2	5748.2	6419.7	6277.8	6149.2
35°	5755.8	5305.6	5273.5	5784.2	5757.7	5712.3	6368.6	7146.0	6932.3	6807.4
37.5°	6523.7	6659.9	6898.2	7405.2	7388.1	7042.0	7183.8	7832.6	7722.9	7562.1
40°	7482.7	7772.1	8176.9	8903.2	8676.2	8241.2	8184.4	8536.3	8447.4	8258.2
42.5°	8048.3	8547.6	9319.3	9971.9	9790.3	9029.9	8965.6	9476.3	9281.5	9075.3
45°	8311.2	9179.4	10692.5	11575.9	11025.4	9553.9	9529.3	10702.0	10592.3	10316.1
47.5°	8432.2	9816.8	12300.3	13637.6	12608.6	10013.5	9924.6	12480.0	12336.2	12010.9
50°	8566.5	10696.3	14237.2	16026.5	14520.9	10533.7	10598.0	14136.9	14076.4	13692.4
52.5°	8861.6	11626.9	16622.3	18757.8	16839.9	11348.9	11753.7	15699.3	15290.7	14848.1
55°	9304.2	12640.8	19104.0	21547.8	19206.1	12444.1	13003.9	16529.7	15383.4	14893.5
57.5°	8814.3	12894.2	20573.7	23496.0	20255.9	12447.8	11946.6	15090.2	13529.8	13055.0
60°	6994.7	11995.8	20008.1	23074.2	19361.2	11053.8	9147.2	11782.0	10249.9	9932.2
62.5°	4728.7	10060.8	17613.5	19514.4	16571.3	8695.1	5944.9	7662.4	6345.9	6083.0
65°	2591.3	7505.4	14231.5	14763.0	12969.9	6073.5	3058.5	3325.2	2532.7	2415.4
67.5°	715.0	5224.3	10471.2	9794.1	9099.9	3955.1	790.6	593.9	423.7	419.9
70°	179.7	3455.7	6274.0	6467.0	5579.9	2532.7	151.3	71.9	56.7	54.9
72.5°	75.7	1486.7	2977.2	3421.7	2856.1	1172.7	54.9	20.8	17.0	13.2
75°	9.5	119.2	253.5	384.0	262.9	126.7	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)