

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: P638204

Luminaire Tested: GWS-SA4E-735-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638204
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-SA4E-735-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16184.8 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

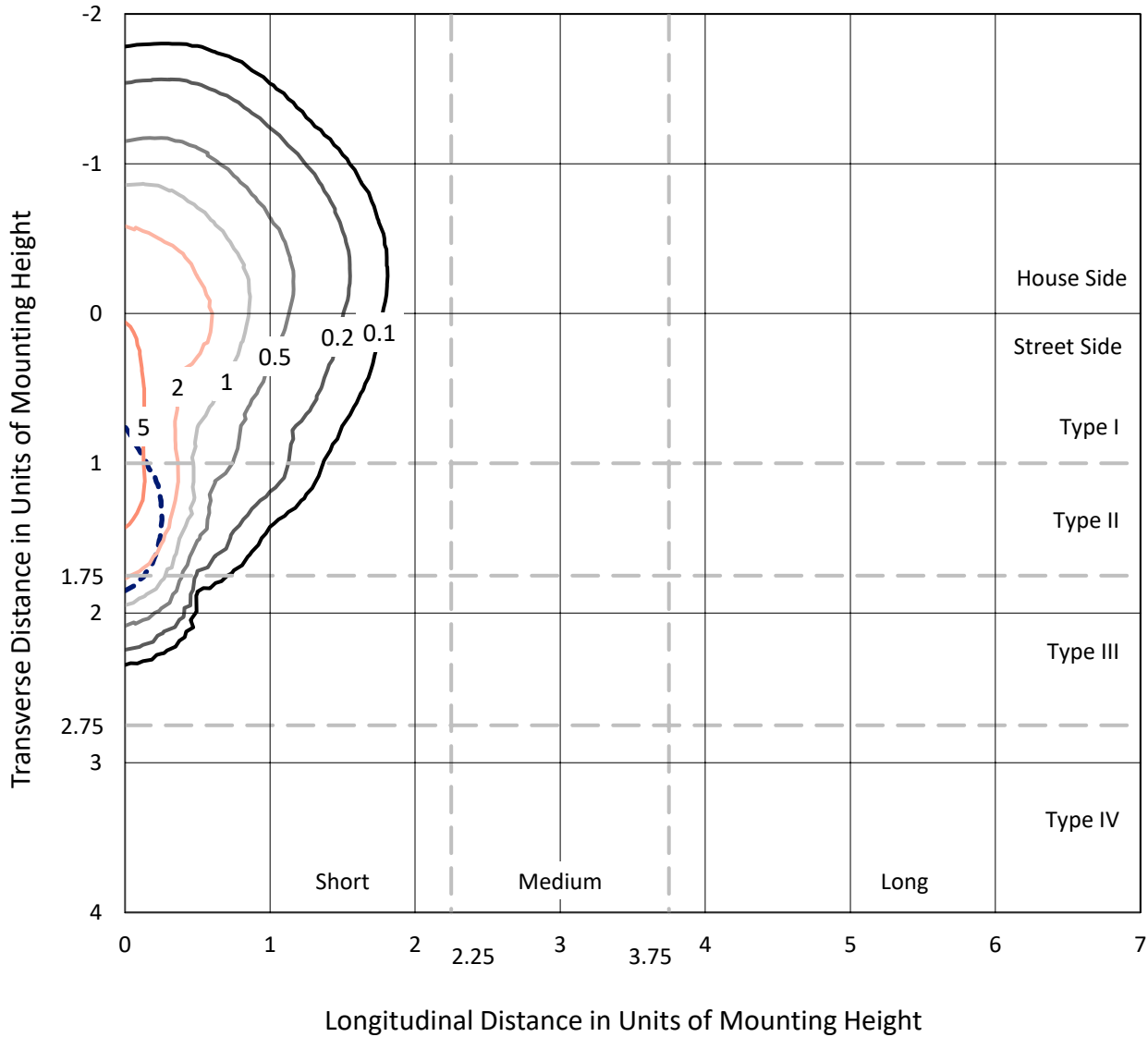
Input Watts (W): 202.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P638204
 CATALOG NUMBER: GWS-SA4E-735-U-SLL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

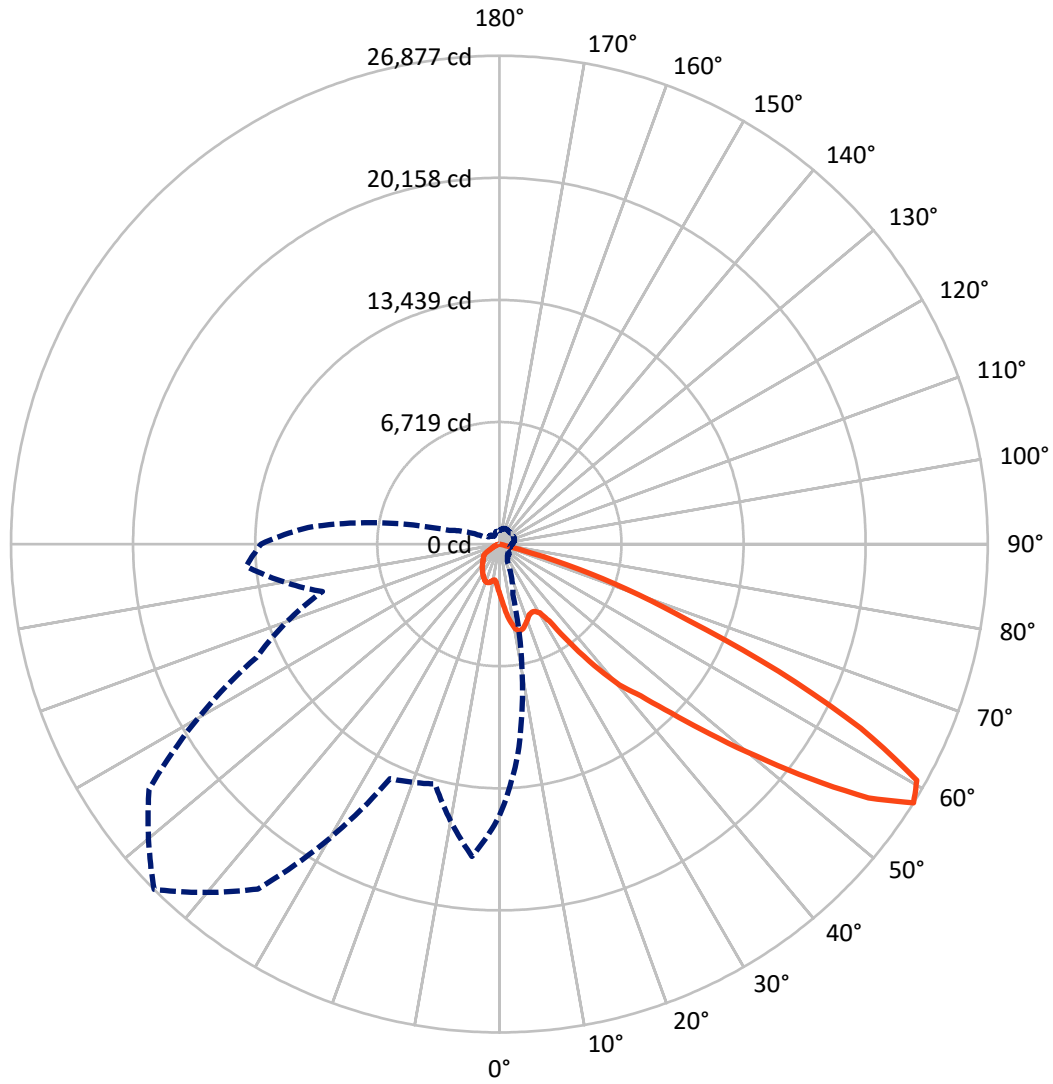
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Short - N/A

REPORT NUMBER: P638204
CATALOG NUMBER: GWS-SA4E-735-U-SLL-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P638204

CATALOG NUMBER: GWS-SA4E-735-U-SLL-W-GRSBK

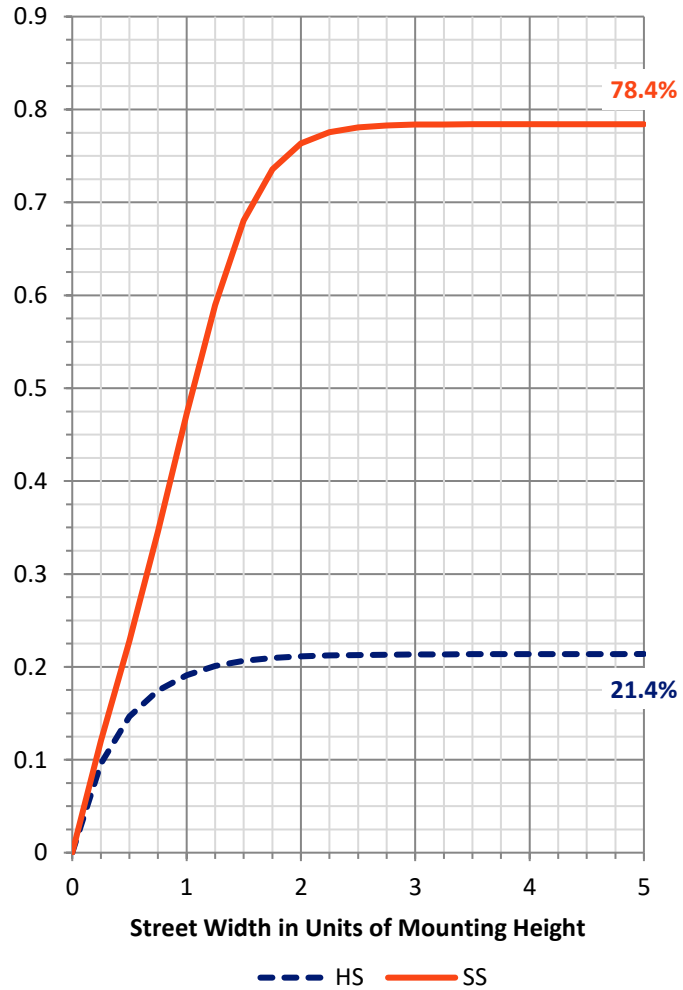
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3486.8 | 0.0 | 3486.8 |
| | % Fixture | 21.5 | 0.0 | 21.5 |
| Street Side | Lumens | 12698.0 | 0.0 | 12698.0 |
| | % Fixture | 78.5 | 0.0 | 78.5 |
| Total | Lumens | 16184.8 | 0.0 | 16184.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 271.8 | 1.7 |
| 10°-20° | 894.4 | 5.5 |
| 20°-30° | 1451.5 | 9.0 |
| 30°-40° | 2227.7 | 13.8 |
| 40°-50° | 3557.8 | 22.0 |
| 50°-60° | 4981.5 | 30.8 |
| 60°-70° | 2554.2 | 15.8 |
| 70°-80° | 245.9 | 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° | 16184.8 | 100.0 |
| 0°-180° | 16184.8 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P638204

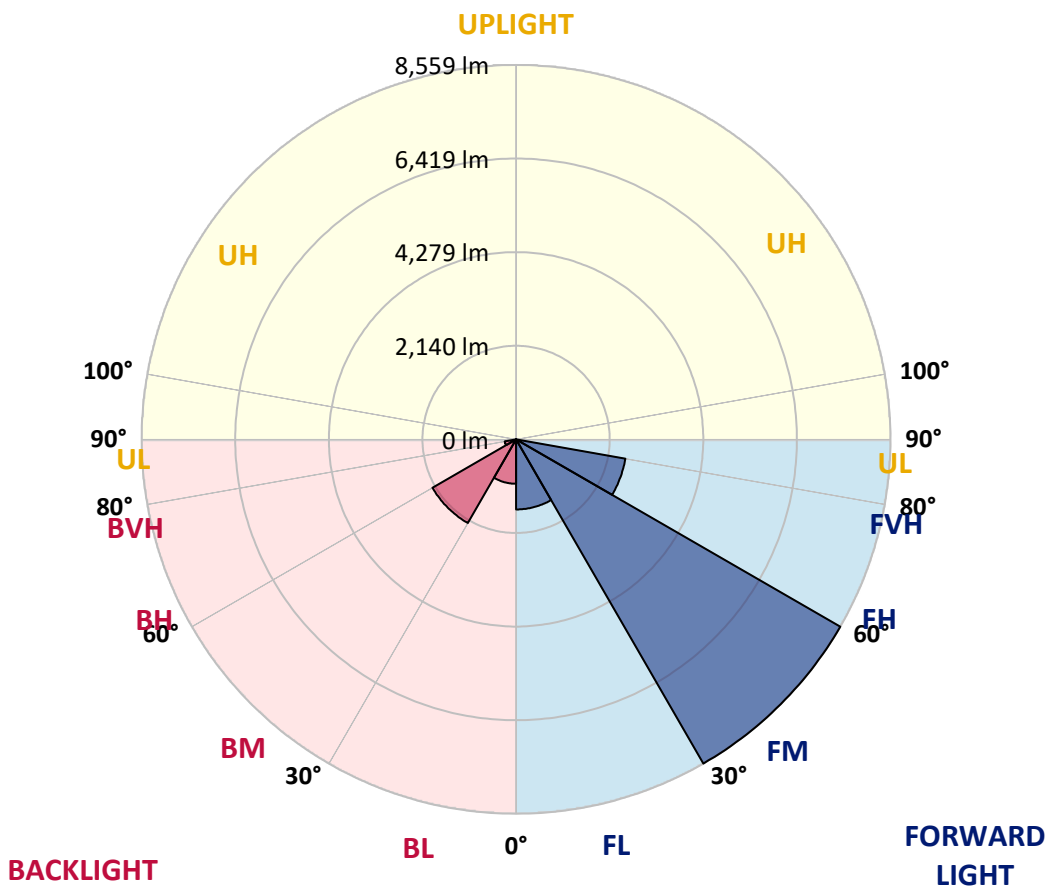
CATALOG NUMBER: GWS-SA4E-735-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1602.4 | 9.9 | | | |
| FM (30°-60°) | 8558.9 | 52.9 | | | |
| FH (60°-80°) | 2536.7 | 15.7 | | | G2/5000 |
| FVH (80°-90°) | 0.0 | 0.0 | | | G0/10 |
| BL (0°-30°) | 1015.3 | 6.3 | B3/2500 | | |
| BM (30°-60°) | 2208.1 | 13.6 | B2/2500 | | |
| BH (60°-80°) | 263.3 | 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: B3-U0-G2

Type III Short





REPORT NUMBER: P638204

CATALOG NUMBER: GWS-SA4E-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 |
| 2.5° | 3055.1 | 3048.6 | 3027.0 | 2953.4 | 2908.0 | 2836.6 | 2784.7 | 2717.6 | 2644.0 | 2598.6 | 2553.1 |
| 5° | 3379.7 | 3362.4 | 3303.9 | 3135.2 | 3005.4 | 2864.7 | 2752.2 | 2628.9 | 2496.9 | 2410.3 | 2330.3 |
| 7.5° | 3691.2 | 3665.3 | 3587.4 | 3301.8 | 3104.9 | 2903.7 | 2743.5 | 2564.0 | 2377.9 | 2248.1 | 2148.5 |
| 10° | 3996.3 | 3937.9 | 3814.6 | 3464.1 | 3197.9 | 2955.6 | 2767.3 | 2561.8 | 2343.3 | 2178.8 | 2068.5 |
| 12.5° | 4247.3 | 4204.0 | 4035.3 | 3617.7 | 3275.8 | 2966.4 | 2734.9 | 2544.5 | 2397.4 | 2287.0 | 2185.3 |
| 15° | 4463.7 | 4416.1 | 4256.0 | 3756.1 | 3342.9 | 2923.1 | 2598.6 | 2432.0 | 2455.8 | 2499.1 | 2412.5 |
| 17.5° | 4662.7 | 4613.0 | 4439.9 | 3870.8 | 3368.8 | 2817.1 | 2408.2 | 2328.1 | 2460.1 | 2622.4 | 2589.9 |
| 20° | 4868.3 | 4812.0 | 4600.0 | 3963.9 | 3360.2 | 2650.5 | 2215.6 | 2239.4 | 2425.5 | 2611.6 | 2628.9 |
| 22.5° | 5108.4 | 5050.0 | 4803.4 | 4082.9 | 3353.7 | 2451.4 | 2049.0 | 2161.5 | 2360.6 | 2518.5 | 2548.8 |
| 25° | 5426.5 | 5357.3 | 5086.8 | 4258.1 | 3371.0 | 2269.7 | 1930.0 | 2085.8 | 2250.2 | 2393.0 | 2410.3 |
| 27.5° | 5846.3 | 5757.6 | 5413.5 | 4474.5 | 3407.8 | 2126.9 | 1878.1 | 1981.9 | 2109.6 | 2237.2 | 2252.4 |
| 30° | 6393.7 | 6281.2 | 5787.8 | 4662.7 | 3390.5 | 2027.4 | 1843.5 | 1878.1 | 1953.8 | 2057.7 | 2059.8 |
| 32.5° | 7034.1 | 6880.5 | 6207.6 | 4825.0 | 3241.2 | 1953.8 | 1795.9 | 1772.1 | 1789.4 | 1869.4 | 1884.6 |
| 35° | 7787.1 | 7588.0 | 6670.6 | 4978.6 | 2968.6 | 1811.0 | 1709.3 | 1629.3 | 1622.8 | 1661.7 | 1698.5 |
| 37.5° | 8650.4 | 8412.4 | 7254.8 | 5175.5 | 2646.2 | 1661.7 | 1581.7 | 1501.6 | 1467.0 | 1486.4 | 1542.7 |
| 40° | 9446.6 | 9182.7 | 7865.0 | 5413.5 | 2317.3 | 1527.6 | 1432.4 | 1350.1 | 1309.0 | 1315.5 | 1384.8 |
| 42.5° | 10381.3 | 10108.7 | 8611.4 | 5725.1 | 2044.7 | 1436.7 | 1276.6 | 1192.2 | 1138.1 | 1168.4 | 1248.4 |
| 45° | 11800.7 | 11491.3 | 9699.8 | 5995.6 | 1828.3 | 1415.0 | 1140.3 | 1021.3 | 995.3 | 1047.2 | 1142.4 |
| 47.5° | 13739.4 | 13360.7 | 11194.9 | 6160.0 | 1644.4 | 1434.5 | 1045.1 | 882.8 | 889.3 | 947.7 | 1042.9 |
| 50° | 15662.9 | 15253.9 | 12923.7 | 5943.6 | 1492.9 | 1395.6 | 997.5 | 774.6 | 815.7 | 867.6 | 954.2 |
| 52.5° | 16984.9 | 16452.6 | 13765.3 | 5318.3 | 1354.5 | 1248.4 | 993.1 | 672.9 | 750.8 | 768.1 | 841.7 |
| 55° | 17036.8 | 16381.2 | 13334.8 | 4193.2 | 1166.2 | 1053.7 | 947.7 | 588.5 | 679.4 | 685.9 | 748.6 |
| 57.5° | 14933.7 | 14340.9 | 11653.6 | 2879.9 | 1036.4 | 772.4 | 755.1 | 515.0 | 558.2 | 612.3 | 651.3 |
| 60° | 11361.5 | 10857.3 | 8715.3 | 1319.8 | 787.6 | 491.2 | 517.1 | 443.6 | 417.6 | 497.6 | 536.6 |
| 62.5° | 6958.4 | 6636.0 | 5227.5 | 584.2 | 502.0 | 261.8 | 313.7 | 352.7 | 313.7 | 344.0 | 376.5 |
| 65° | 2763.0 | 2620.2 | 1984.1 | 248.8 | 205.5 | 132.0 | 142.8 | 205.5 | 220.7 | 242.3 | 272.6 |
| 67.5° | 480.3 | 454.4 | 333.2 | 110.3 | 84.4 | 80.1 | 69.2 | 95.2 | 134.1 | 149.3 | 173.1 |
| 70° | 62.7 | 60.6 | 54.1 | 45.4 | 43.3 | 38.9 | 30.3 | 60.6 | 90.9 | 95.2 | 110.3 |
| 72.5° | 15.1 | 13.0 | 13.0 | 10.8 | 13.0 | 4.3 | 4.3 | 32.5 | 64.9 | 67.1 | 77.9 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.8 | 41.1 | 45.4 | 54.1 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 |
| 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 |



REPORT NUMBER: P638204

CATALOG NUMBER: GWS-SA4E-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 |
| 2.5° | 2516.4 | 2473.1 | 2457.9 | 2436.3 | 2408.2 | 2416.8 | 2377.9 | 2364.9 | 2384.4 | 2410.3 | 2403.8 |
| 5° | 2287.0 | 2239.4 | 2207.0 | 2157.2 | 2148.5 | 2129.1 | 2116.1 | 2098.8 | 2120.4 | 2150.7 | 2157.2 |
| 7.5° | 2105.3 | 2064.2 | 2031.7 | 2016.5 | 2005.7 | 1997.1 | 1971.1 | 1958.1 | 1958.1 | 1971.1 | 1981.9 |
| 10° | 2027.4 | 1997.1 | 1990.6 | 1994.9 | 2012.2 | 2010.1 | 1986.3 | 1968.9 | 1947.3 | 1936.5 | 1949.5 |
| 12.5° | 2135.6 | 2085.8 | 2077.1 | 2079.3 | 2100.9 | 2098.8 | 2072.8 | 2051.2 | 2046.8 | 2051.2 | 2092.3 |
| 15° | 2319.5 | 2243.7 | 2187.5 | 2176.7 | 2187.5 | 2183.2 | 2163.7 | 2150.7 | 2157.2 | 2219.9 | 2289.2 |
| 17.5° | 2483.9 | 2367.1 | 2265.4 | 2226.4 | 2224.3 | 2217.8 | 2198.3 | 2194.0 | 2226.4 | 2343.3 | 2445.0 |
| 20° | 2531.5 | 2416.8 | 2271.9 | 2222.1 | 2211.3 | 2204.8 | 2183.2 | 2189.6 | 2230.8 | 2371.4 | 2457.9 |
| 22.5° | 2468.8 | 2358.4 | 2207.0 | 2157.2 | 2148.5 | 2146.4 | 2124.7 | 2133.4 | 2168.0 | 2291.3 | 2362.7 |
| 25° | 2349.8 | 2256.7 | 2098.8 | 2055.5 | 2055.5 | 2051.2 | 2031.7 | 2036.0 | 2057.7 | 2165.8 | 2235.1 |
| 27.5° | 2204.8 | 2116.1 | 1984.1 | 1940.8 | 1947.3 | 1953.8 | 1930.0 | 1923.5 | 1940.8 | 2042.5 | 2083.6 |
| 30° | 2038.2 | 1975.4 | 1871.6 | 1832.6 | 1830.5 | 1856.4 | 1824.0 | 1815.3 | 1839.1 | 1919.2 | 1927.8 |
| 32.5° | 1875.9 | 1845.6 | 1772.1 | 1741.8 | 1743.9 | 1748.3 | 1730.9 | 1730.9 | 1752.6 | 1795.9 | 1793.7 |
| 35° | 1718.0 | 1698.5 | 1685.5 | 1663.9 | 1661.7 | 1653.1 | 1653.1 | 1657.4 | 1681.2 | 1696.3 | 1668.2 |
| 37.5° | 1566.5 | 1586.0 | 1601.1 | 1579.5 | 1562.2 | 1562.2 | 1562.2 | 1581.7 | 1603.3 | 1596.8 | 1549.2 |
| 40° | 1432.4 | 1473.5 | 1521.1 | 1497.3 | 1456.2 | 1454.0 | 1462.6 | 1495.1 | 1527.6 | 1488.6 | 1445.3 |
| 42.5° | 1317.7 | 1369.6 | 1436.7 | 1423.7 | 1378.3 | 1371.8 | 1378.3 | 1419.4 | 1445.3 | 1395.6 | 1348.0 |
| 45° | 1205.2 | 1270.1 | 1350.1 | 1350.1 | 1300.4 | 1293.9 | 1296.0 | 1350.1 | 1365.3 | 1306.9 | 1246.3 |
| 47.5° | 1110.0 | 1181.4 | 1265.8 | 1265.8 | 1224.6 | 1211.7 | 1222.5 | 1278.7 | 1289.6 | 1207.3 | 1151.1 |
| 50° | 1019.1 | 1097.0 | 1190.0 | 1183.5 | 1155.4 | 1144.6 | 1164.1 | 1224.6 | 1211.7 | 1120.8 | 1062.4 |
| 52.5° | 904.4 | 986.6 | 1114.3 | 1120.8 | 1105.6 | 1107.8 | 1131.6 | 1170.6 | 1133.8 | 1023.4 | 973.7 |
| 55° | 800.6 | 884.9 | 1012.6 | 1047.2 | 1047.2 | 1045.1 | 1055.9 | 1086.2 | 1055.9 | 923.9 | 863.3 |
| 57.5° | 688.1 | 759.5 | 865.5 | 874.1 | 880.6 | 856.8 | 872.0 | 913.1 | 897.9 | 785.4 | 750.8 |
| 60° | 564.7 | 625.3 | 685.9 | 692.4 | 664.2 | 614.5 | 642.6 | 690.2 | 701.0 | 616.6 | 577.7 |
| 62.5° | 400.3 | 458.7 | 530.1 | 530.1 | 502.0 | 452.2 | 489.0 | 530.1 | 515.0 | 428.4 | 404.6 |
| 65° | 298.6 | 352.7 | 406.8 | 430.6 | 406.8 | 372.2 | 400.3 | 430.6 | 406.8 | 335.4 | 300.8 |
| 67.5° | 192.6 | 229.4 | 261.8 | 281.3 | 285.6 | 281.3 | 294.3 | 285.6 | 257.5 | 209.9 | 190.4 |
| 70° | 116.8 | 136.3 | 153.6 | 170.9 | 183.9 | 190.4 | 196.9 | 177.4 | 149.3 | 123.3 | 116.8 |
| 72.5° | 84.4 | 101.7 | 116.8 | 129.8 | 145.0 | 149.3 | 149.3 | 136.3 | 110.3 | 86.5 | 80.1 |
| 75° | 58.4 | 73.6 | 86.5 | 95.2 | 108.2 | 112.5 | 112.5 | 101.7 | 82.2 | 62.7 | 56.3 |
| 77.5° | 2.2 | 15.1 | 15.1 | 13.0 | 17.3 | 21.6 | 21.6 | 26.0 | 23.8 | 17.3 | 15.1 |
| 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: P638204

CATALOG NUMBER: GWS-SA4E-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 |
| 2.5° | 2416.8 | 2494.7 | 2516.4 | 2596.4 | 2667.8 | 2739.2 | 2825.8 | 2877.7 | 2955.6 | 3009.7 | 3040.0 |
| 5° | 2178.8 | 2243.7 | 2321.6 | 2440.6 | 2564.0 | 2700.3 | 2864.7 | 3007.5 | 3187.1 | 3319.1 | 3362.4 |
| 7.5° | 2005.7 | 2090.1 | 2181.0 | 2330.3 | 2499.1 | 2680.8 | 2912.3 | 3146.0 | 3420.8 | 3600.4 | 3715.0 |
| 10° | 1973.3 | 2059.8 | 2181.0 | 2328.1 | 2505.5 | 2713.3 | 2996.7 | 3299.6 | 3643.6 | 3862.2 | 3992.0 |
| 12.5° | 2129.1 | 2222.1 | 2274.0 | 2341.1 | 2475.2 | 2706.8 | 3070.3 | 3455.4 | 3860.0 | 4098.0 | 4236.5 |
| 15° | 2358.4 | 2440.6 | 2356.2 | 2271.9 | 2358.4 | 2637.5 | 3111.4 | 3585.2 | 4050.4 | 4325.2 | 4468.0 |
| 17.5° | 2516.4 | 2522.9 | 2338.9 | 2159.4 | 2183.2 | 2512.0 | 3126.5 | 3715.0 | 4253.8 | 4541.6 | 4690.9 |
| 20° | 2501.2 | 2449.3 | 2263.2 | 2064.2 | 1990.6 | 2349.8 | 3109.2 | 3829.7 | 4459.3 | 4760.1 | 4907.2 |
| 22.5° | 2384.4 | 2323.8 | 2165.8 | 1971.1 | 1828.3 | 2157.2 | 3078.9 | 3933.6 | 4647.6 | 4989.4 | 5127.9 |
| 25° | 2243.7 | 2178.8 | 2049.0 | 1878.1 | 1724.5 | 1971.1 | 3055.1 | 4076.4 | 4885.6 | 5288.0 | 5396.2 |
| 27.5° | 2079.3 | 2023.0 | 1912.7 | 1789.4 | 1681.2 | 1830.5 | 3048.6 | 4264.6 | 5173.4 | 5651.5 | 5727.3 |
| 30° | 1919.2 | 1867.3 | 1780.7 | 1709.3 | 1663.9 | 1748.3 | 3027.0 | 4465.8 | 5517.4 | 6069.1 | 6151.3 |
| 32.5° | 1765.6 | 1713.6 | 1659.5 | 1648.7 | 1650.9 | 1718.0 | 2953.4 | 4664.9 | 5926.3 | 6675.0 | 6735.5 |
| 35° | 1633.6 | 1573.0 | 1551.4 | 1577.3 | 1624.9 | 1666.0 | 2745.7 | 4829.3 | 6365.5 | 7334.9 | 7384.6 |
| 37.5° | 1508.1 | 1447.5 | 1445.3 | 1508.1 | 1560.0 | 1586.0 | 2501.2 | 4991.6 | 6958.4 | 8005.6 | 8068.4 |
| 40° | 1393.4 | 1332.8 | 1354.5 | 1430.2 | 1471.3 | 1484.3 | 2204.8 | 5238.3 | 7585.9 | 8713.1 | 8678.5 |
| 42.5° | 1296.0 | 1233.3 | 1246.3 | 1343.6 | 1380.4 | 1415.0 | 1932.2 | 5443.8 | 8189.5 | 9383.9 | 9373.1 |
| 45° | 1200.8 | 1153.2 | 1144.6 | 1250.6 | 1283.1 | 1421.5 | 1733.1 | 5601.8 | 8966.3 | 10238.5 | 10255.8 |
| 47.5° | 1107.8 | 1071.0 | 1073.2 | 1118.6 | 1198.7 | 1454.0 | 1564.3 | 5705.6 | 10093.6 | 11593.0 | 11292.2 |
| 50° | 1023.4 | 995.3 | 1019.1 | 967.2 | 1144.6 | 1412.9 | 1419.4 | 5684.0 | 11352.8 | 12891.2 | 12287.5 |
| 52.5° | 930.4 | 923.9 | 934.7 | 809.2 | 1058.0 | 1246.3 | 1283.1 | 5396.2 | 11943.5 | 13778.3 | 13434.3 |
| 55° | 835.2 | 833.0 | 746.5 | 646.9 | 884.9 | 995.3 | 1099.1 | 4502.6 | 11924.0 | 14250.0 | 14667.6 |
| 57.5° | 722.7 | 705.4 | 566.9 | 527.9 | 688.1 | 692.4 | 1001.8 | 2949.1 | 10567.4 | 13120.6 | 13986.0 |
| 60° | 547.4 | 534.4 | 415.4 | 428.4 | 480.3 | 443.6 | 798.4 | 1469.1 | 7897.4 | 10221.2 | 11197.0 |
| 62.5° | 378.6 | 361.3 | 309.4 | 331.0 | 309.4 | 253.2 | 489.0 | 727.0 | 4783.9 | 6454.3 | 7339.2 |
| 65° | 277.0 | 257.5 | 212.0 | 181.7 | 145.0 | 145.0 | 186.1 | 279.1 | 1852.1 | 2743.5 | 3308.3 |
| 67.5° | 170.9 | 162.3 | 125.5 | 90.9 | 88.7 | 95.2 | 97.4 | 138.5 | 298.6 | 476.0 | 582.0 |
| 70° | 110.3 | 101.7 | 84.4 | 58.4 | 54.1 | 56.3 | 58.4 | 64.9 | 75.7 | 82.2 | 99.5 |
| 72.5° | 75.7 | 71.4 | 60.6 | 32.5 | 26.0 | 28.1 | 30.3 | 30.3 | 36.8 | 34.6 | 41.1 |
| 75° | 54.1 | 49.8 | 43.3 | 15.1 | 8.7 | 10.8 | 13.0 | 10.8 | 13.0 | 8.7 | 10.8 |
| 77.5° | 15.1 | 15.1 | 10.8 | 2.2 | 0.0 | 2.2 | 4.3 | 4.3 | 2.2 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 2.2 | 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: P638204

CATALOG NUMBER: GWS-SA4E-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 | 2750.0 |
| 2.5° | 3117.9 | 3167.6 | 3187.1 | 3159.0 | 3182.8 | 3143.8 | 3128.7 | 3070.3 | 3065.9 | 3055.1 |
| 5° | 3537.6 | 3650.1 | 3717.2 | 3758.3 | 3710.7 | 3658.8 | 3580.9 | 3446.7 | 3405.6 | 3379.7 |
| 7.5° | 3950.9 | 4126.1 | 4240.8 | 4294.9 | 4281.9 | 4175.9 | 4035.3 | 3810.2 | 3730.2 | 3691.2 |
| 10° | 4310.1 | 4524.3 | 4662.7 | 4729.8 | 4701.7 | 4608.6 | 4407.4 | 4126.1 | 4020.1 | 3996.3 |
| 12.5° | 4561.0 | 4757.9 | 4853.1 | 4911.6 | 4913.7 | 4876.9 | 4686.5 | 4403.1 | 4277.6 | 4247.3 |
| 15° | 4719.0 | 4803.4 | 4805.5 | 4840.2 | 4900.7 | 4983.0 | 4894.2 | 4643.3 | 4509.1 | 4463.7 |
| 17.5° | 4818.5 | 4725.5 | 4630.3 | 4638.9 | 4738.5 | 4957.0 | 5047.9 | 4855.3 | 4712.5 | 4662.7 |
| 20° | 4889.9 | 4595.7 | 4418.2 | 4420.4 | 4522.1 | 4853.1 | 5153.9 | 5060.8 | 4913.7 | 4868.3 |
| 22.5° | 4935.4 | 4481.0 | 4227.8 | 4221.3 | 4329.5 | 4729.8 | 5251.3 | 5305.3 | 5160.4 | 5108.4 |
| 25° | 5028.4 | 4426.9 | 4113.2 | 4149.9 | 4245.1 | 4690.9 | 5383.2 | 5629.9 | 5495.7 | 5426.5 |
| 27.5° | 5195.0 | 4481.0 | 4102.3 | 4186.7 | 4294.9 | 4805.5 | 5612.6 | 6062.6 | 5924.2 | 5846.3 |
| 30° | 5482.8 | 4684.4 | 4268.9 | 4385.8 | 4515.6 | 5106.3 | 5997.7 | 6666.3 | 6467.2 | 6393.7 |
| 32.5° | 5945.8 | 5106.3 | 4783.9 | 5034.9 | 5160.4 | 5599.6 | 6575.4 | 7343.5 | 7181.3 | 7034.1 |
| 35° | 6584.1 | 6069.1 | 6032.3 | 6616.5 | 6586.2 | 6534.3 | 7285.1 | 8174.4 | 7929.9 | 7787.1 |
| 37.5° | 7462.5 | 7618.3 | 7890.9 | 8470.8 | 8451.3 | 8055.4 | 8217.7 | 8959.8 | 8834.3 | 8650.4 |
| 40° | 8559.5 | 8890.6 | 9353.6 | 10184.4 | 9924.8 | 9427.2 | 9362.2 | 9764.7 | 9663.0 | 9446.6 |
| 42.5° | 9206.5 | 9777.7 | 10660.5 | 11406.9 | 11199.2 | 10329.4 | 10255.8 | 10840.0 | 10617.2 | 10381.3 |
| 45° | 9507.2 | 10500.3 | 12231.3 | 13241.7 | 12612.1 | 10928.7 | 10900.6 | 12242.1 | 12116.6 | 11800.7 |
| 47.5° | 9645.7 | 11229.5 | 14070.4 | 15600.1 | 14423.1 | 11454.5 | 11352.8 | 14276.0 | 14111.5 | 13739.4 |
| 50° | 9799.3 | 12235.6 | 16286.0 | 18332.9 | 16610.6 | 12049.5 | 12123.1 | 16171.3 | 16102.1 | 15662.9 |
| 52.5° | 10136.8 | 13300.1 | 19014.4 | 21457.2 | 19263.2 | 12982.1 | 13445.1 | 17958.5 | 17491.2 | 16984.9 |
| 55° | 10643.1 | 14459.9 | 21853.2 | 24648.6 | 21970.0 | 14234.9 | 14875.3 | 18908.4 | 17597.2 | 17036.8 |
| 57.5° | 10082.7 | 14749.8 | 23534.3 | 26877.2 | 23170.8 | 14239.2 | 13665.8 | 17261.8 | 15476.8 | 14933.7 |
| 60° | 8001.3 | 13722.1 | 22887.4 | 26394.7 | 22147.4 | 12644.5 | 10463.6 | 13477.6 | 11725.0 | 11361.5 |
| 62.5° | 5409.2 | 11508.6 | 20148.2 | 22322.7 | 18956.0 | 9946.4 | 6800.4 | 8765.1 | 7259.1 | 6958.4 |
| 65° | 2964.2 | 8585.5 | 16279.5 | 16887.5 | 14836.4 | 6947.6 | 3498.7 | 3803.7 | 2897.2 | 2763.0 |
| 67.5° | 817.9 | 5976.1 | 11978.1 | 11203.5 | 10409.5 | 4524.3 | 904.4 | 679.4 | 484.7 | 480.3 |
| 70° | 205.5 | 3953.0 | 7176.9 | 7397.6 | 6382.9 | 2897.2 | 173.1 | 82.2 | 64.9 | 62.7 |
| 72.5° | 86.5 | 1700.7 | 3405.6 | 3914.1 | 3267.2 | 1341.5 | 62.7 | 23.8 | 19.5 | 15.1 |
| 75° | 10.8 | 136.3 | 289.9 | 439.2 | 300.8 | 145.0 | 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)