

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: STREETWORKS

Report Number: P385903

Luminaire Tested: GAW-SA1C-730-U-5NQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1C-730-U-5NQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7097 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

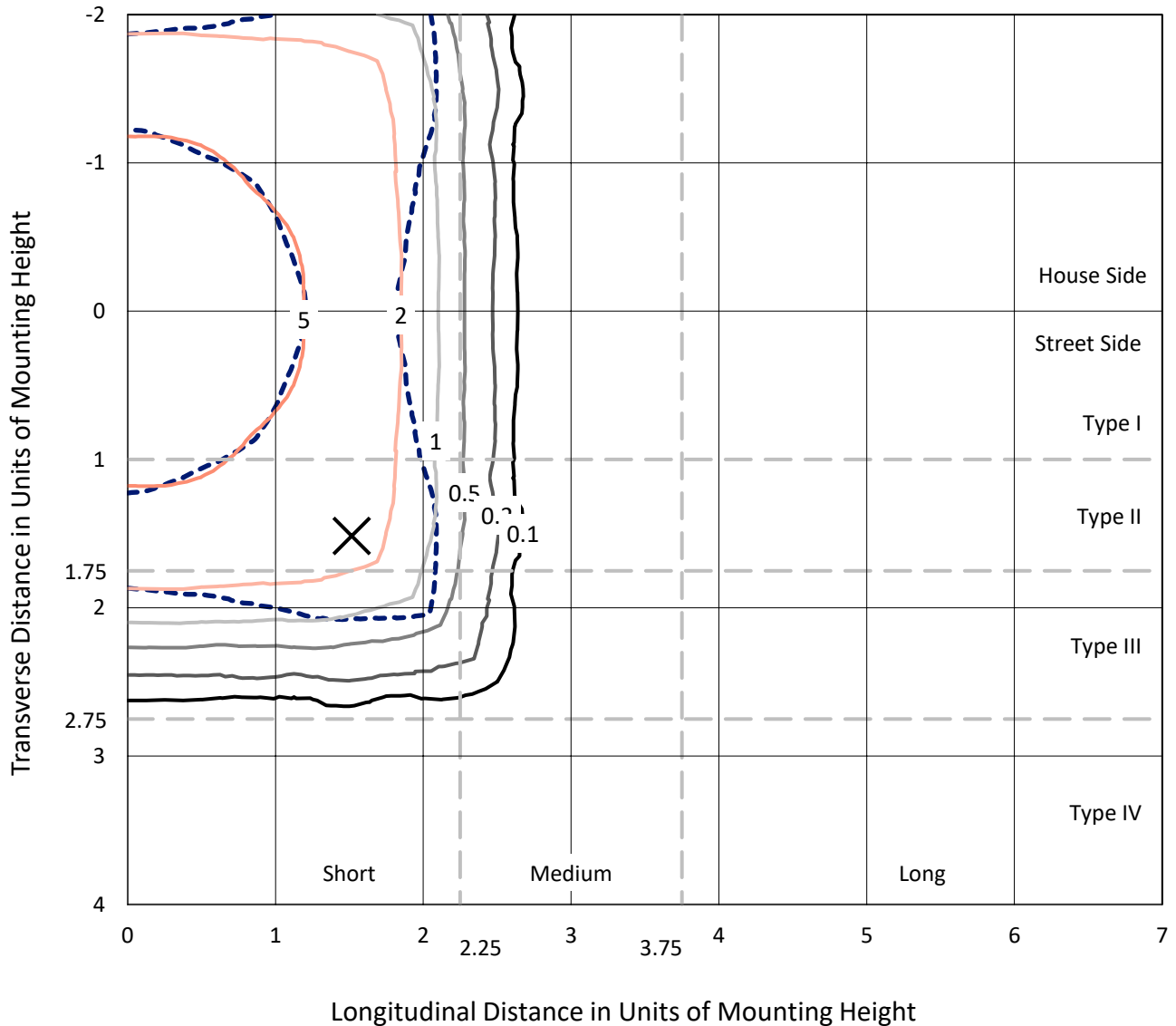
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

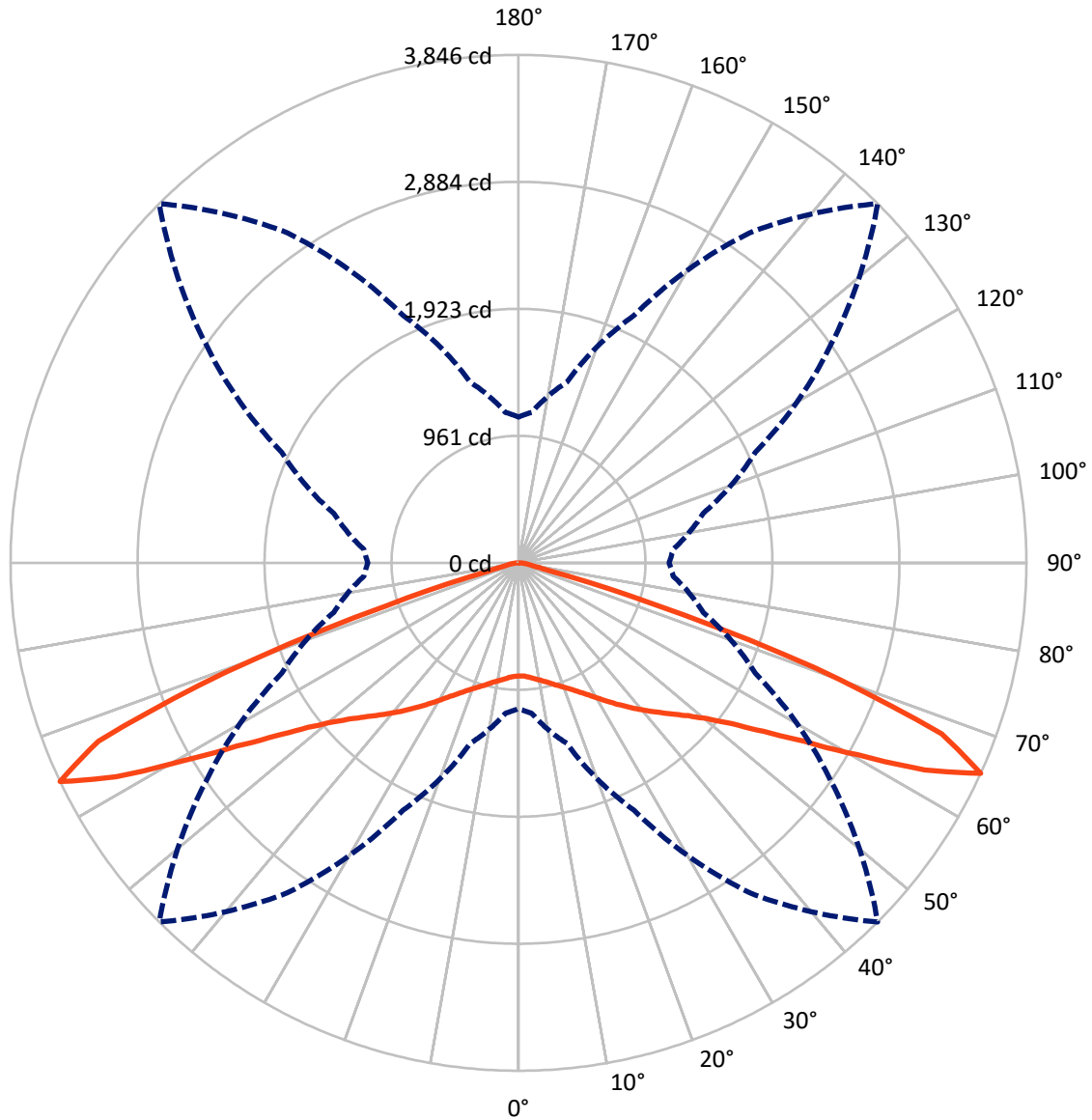
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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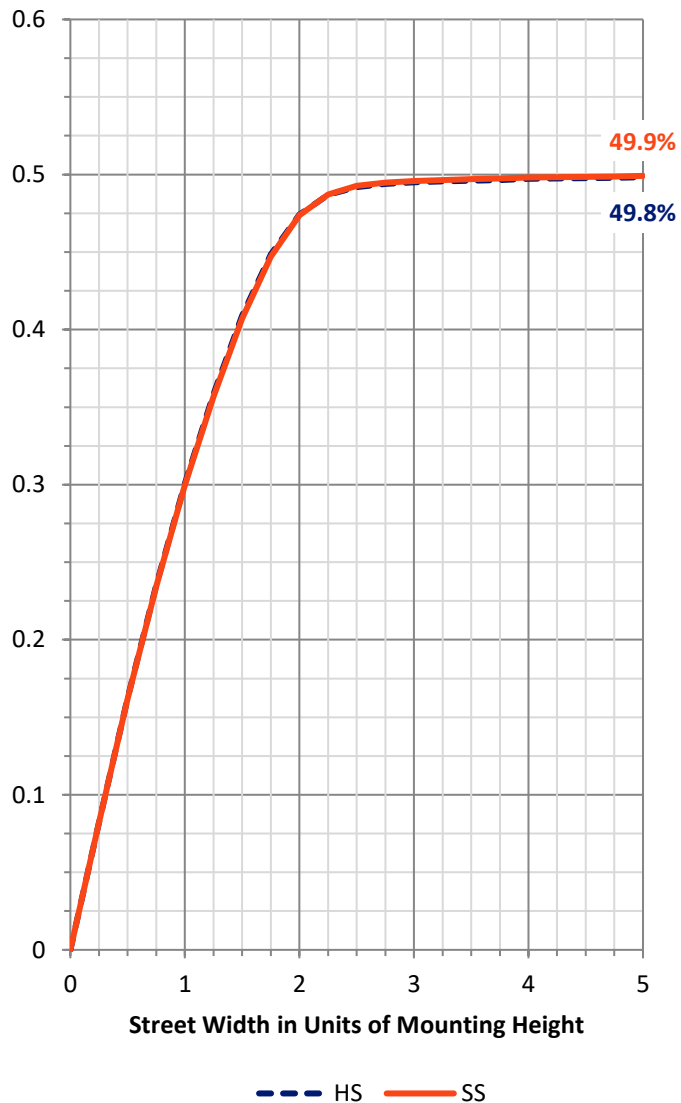
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3548.5 | 0.0 | 3548.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3548.5 | 0.0 | 3548.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 7097.0 | 0.0 | 7097.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 84.1 | 1.2 |
| 10°-20° | 270.3 | 3.8 |
| 20°-30° | 507.1 | 7.1 |
| 30°-40° | 838.6 | 11.8 |
| 40°-50° | 1298.9 | 18.3 |
| 50°-60° | 1992.2 | 28.1 |
| 60°-70° | 1859.0 | 26.2 |
| 70°-80° | 216.4 | 3.0 |
| 80°-90° | 30.4 | 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° | 7097.0 | 100.0 |
| 0°-180° | 7097.0 | 100.0 |

Coefficient of Utilization



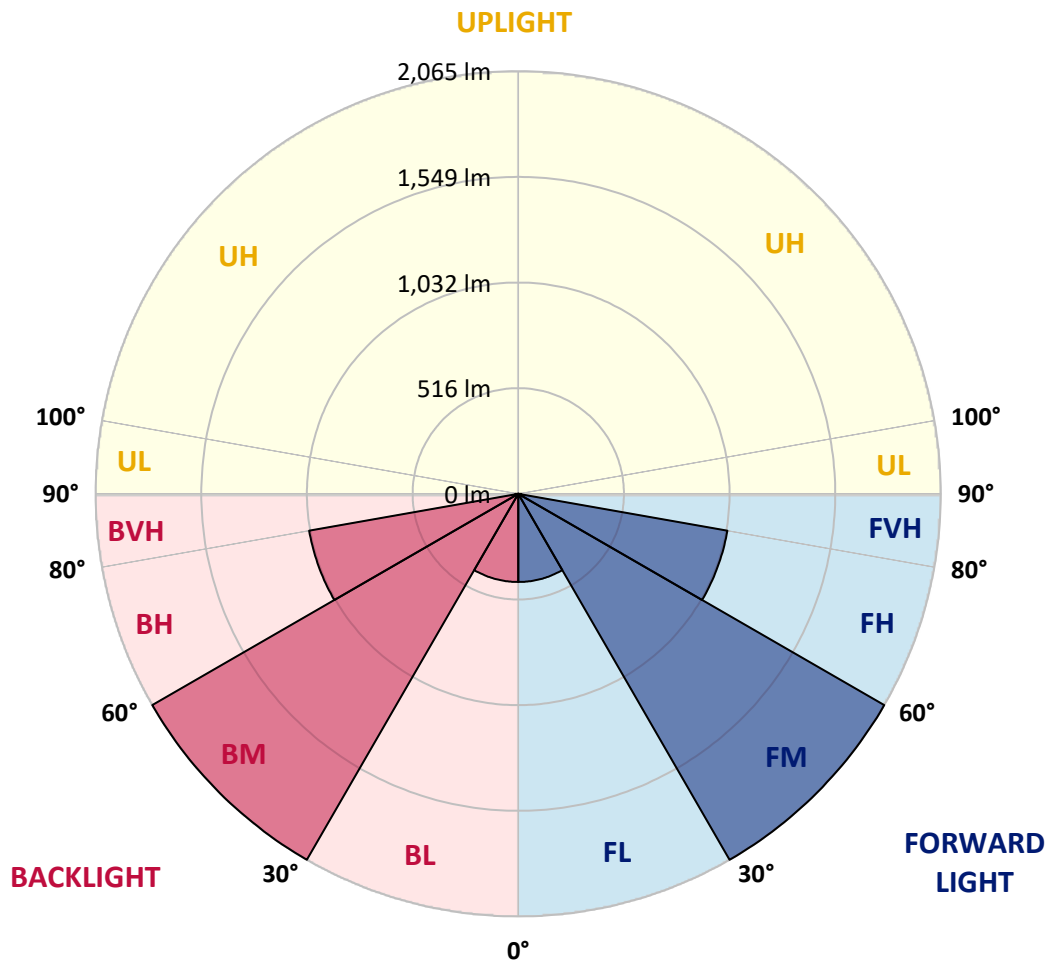
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 430.7 | 6.1 | | | |
| FM (30°-60°) | 2064.9 | 29.1 | | | |
| FH (60°-80°) | 1037.7 | 14.6 | | | G1/1800 |
| FVH (80°-90°) | 15.2 | 0.2 | | | G1/100 |
| BL (0°-30°) | 430.7 | 6.1 | B1/500 | | |
| BM (30°-60°) | 2064.9 | 29.1 | B2/2500 | | |
| BH (60°-80°) | 1037.7 | 14.6 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 15.2 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 857.1 | 857.1 | 857.1 | 857.1 | 857.1 | 857.1 | 857.1 | 857.1 | 857.1 | 857.1 | 857.1 |
| 2.5° | 859.9 | 859.4 | 859.9 | 860.1 | 858.7 | 859.4 | 859.2 | 860.4 | 860.8 | 860.4 | 860.4 |
| 5° | 869.8 | 869.1 | 870.0 | 871.2 | 869.3 | 869.8 | 869.1 | 870.5 | 871.0 | 870.0 | 870.7 |
| 7.5° | 883.4 | 883.7 | 884.6 | 886.7 | 885.6 | 886.5 | 885.1 | 885.3 | 885.1 | 883.7 | 883.9 |
| 10° | 898.3 | 898.5 | 900.2 | 903.0 | 903.5 | 903.5 | 902.5 | 901.8 | 900.9 | 899.9 | 900.2 |
| 12.5° | 916.2 | 917.4 | 918.5 | 922.1 | 922.1 | 924.0 | 923.5 | 921.6 | 920.0 | 918.5 | 918.5 |
| 15° | 940.4 | 940.2 | 941.6 | 945.2 | 946.8 | 949.9 | 949.9 | 947.3 | 945.2 | 943.7 | 943.3 |
| 17.5° | 965.9 | 966.6 | 967.5 | 971.8 | 974.4 | 977.9 | 978.4 | 976.3 | 974.8 | 973.0 | 971.8 |
| 20° | 995.6 | 996.8 | 1000.5 | 1002.2 | 1004.5 | 1007.8 | 1009.0 | 1008.5 | 1007.1 | 1006.2 | 1006.4 |
| 22.5° | 1030.2 | 1033.3 | 1035.6 | 1038.0 | 1040.8 | 1043.2 | 1044.3 | 1046.0 | 1044.6 | 1043.9 | 1043.4 |
| 25° | 1072.1 | 1074.3 | 1079.0 | 1083.2 | 1085.1 | 1085.8 | 1087.2 | 1089.6 | 1089.3 | 1087.7 | 1087.7 |
| 27.5° | 1119.7 | 1123.7 | 1129.6 | 1135.7 | 1135.7 | 1133.4 | 1138.1 | 1142.1 | 1140.7 | 1138.6 | 1135.7 |
| 30° | 1177.4 | 1181.2 | 1188.0 | 1196.5 | 1192.3 | 1190.6 | 1197.0 | 1204.3 | 1202.2 | 1198.6 | 1198.2 |
| 32.5° | 1239.6 | 1243.2 | 1252.1 | 1261.3 | 1255.9 | 1253.5 | 1260.4 | 1271.0 | 1267.2 | 1260.1 | 1255.9 |
| 35° | 1307.0 | 1310.6 | 1323.3 | 1334.3 | 1325.2 | 1321.2 | 1326.8 | 1338.3 | 1331.8 | 1318.6 | 1315.3 |
| 37.5° | 1380.3 | 1382.2 | 1398.7 | 1410.0 | 1403.6 | 1393.0 | 1400.1 | 1408.6 | 1402.9 | 1386.9 | 1380.5 |
| 40° | 1456.4 | 1463.2 | 1482.3 | 1495.5 | 1484.4 | 1467.7 | 1479.5 | 1491.2 | 1482.8 | 1462.3 | 1451.4 |
| 42.5° | 1545.2 | 1550.4 | 1575.8 | 1587.6 | 1569.7 | 1546.1 | 1562.2 | 1578.2 | 1569.7 | 1549.9 | 1540.5 |
| 45° | 1637.5 | 1645.6 | 1675.9 | 1687.7 | 1661.8 | 1631.9 | 1651.4 | 1679.5 | 1678.8 | 1650.3 | 1640.4 |
| 47.5° | 1738.1 | 1746.1 | 1782.4 | 1798.0 | 1769.9 | 1729.9 | 1757.5 | 1797.0 | 1794.2 | 1762.9 | 1754.9 |
| 50° | 1854.3 | 1862.8 | 1908.0 | 1927.5 | 1901.4 | 1854.7 | 1896.2 | 1931.1 | 1925.9 | 1887.3 | 1888.0 |
| 52.5° | 2000.1 | 1999.6 | 2055.9 | 2089.9 | 2063.0 | 2021.8 | 2059.9 | 2093.9 | 2072.4 | 2019.0 | 2017.3 |
| 55° | 2127.8 | 2135.6 | 2205.3 | 2269.6 | 2268.0 | 2252.2 | 2267.5 | 2268.9 | 2207.7 | 2136.5 | 2127.8 |
| 57.5° | 2211.7 | 2226.5 | 2324.7 | 2441.1 | 2528.3 | 2549.2 | 2519.6 | 2429.6 | 2286.1 | 2172.3 | 2158.4 |
| 60° | 2160.1 | 2182.7 | 2337.0 | 2574.2 | 2831.0 | 2954.2 | 2786.7 | 2507.6 | 2225.1 | 2066.5 | 2047.7 |
| 62.5° | 1811.9 | 1850.0 | 2076.0 | 2509.9 | 3091.6 | 3451.8 | 2980.4 | 2382.5 | 1982.4 | 1764.0 | 1731.8 |
| 65° | 1103.5 | 1143.8 | 1416.1 | 2065.8 | 3049.4 | 3845.7 | 2892.0 | 1977.5 | 1447.0 | 1175.3 | 1140.5 |
| 67.5° | 367.7 | 379.5 | 540.0 | 1141.9 | 2396.6 | 3455.3 | 2400.6 | 1183.8 | 629.7 | 417.5 | 405.2 |
| 70° | 143.9 | 145.1 | 171.3 | 331.0 | 1131.7 | 2373.3 | 1248.8 | 336.9 | 179.0 | 141.6 | 144.6 |
| 72.5° | 105.8 | 106.2 | 113.6 | 138.3 | 295.0 | 1045.5 | 305.6 | 139.0 | 110.5 | 99.2 | 99.2 |
| 75° | 85.0 | 85.0 | 90.2 | 100.8 | 132.2 | 239.8 | 134.0 | 99.7 | 86.5 | 79.2 | 78.2 |
| 77.5° | 67.1 | 68.6 | 72.6 | 79.4 | 89.5 | 115.4 | 92.8 | 78.9 | 69.7 | 62.9 | 61.5 |
| 80° | 49.9 | 51.4 | 58.0 | 61.3 | 64.3 | 80.1 | 68.6 | 61.7 | 55.1 | 47.1 | 45.7 |
| 82.5° | 32.7 | 34.2 | 42.4 | 44.3 | 43.6 | 52.3 | 46.2 | 45.5 | 40.5 | 30.4 | 29.0 |
| 85° | 21.4 | 21.9 | 28.3 | 29.4 | 27.1 | 23.8 | 29.4 | 31.1 | 28.3 | 19.8 | 19.1 |
| 87.5° | 10.1 | 10.1 | 14.4 | 13.4 | 12.3 | 9.9 | 13.4 | 15.8 | 16.0 | 9.7 | 9.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)