

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P887883

Luminaire Tested: **TT-D5-735-U-WQ-TC**

Issue Date: 10/9/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P887883  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/9/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TT-D5-735-U-WQ-TC  
Description: WQ  
3500K, 70 CRI LEDS, WIDE DISTRIBUTION AND TOTALCOMFORT ACCESSORY  
Light Source:  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7750 lumens  
Efficiency: N/A  
Efficacy: 103.7 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 74.7  
Input Voltage (V): 120.0  
Input Current (Ain): 0.62  
Voltage Rise (V): NR  
Power Factor: 0.995  
Total Harmonic Distortion (THDi): 9.98%  
Frequency (hertz): 60  
Stabilization Time: HR  
Operation Time: HR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

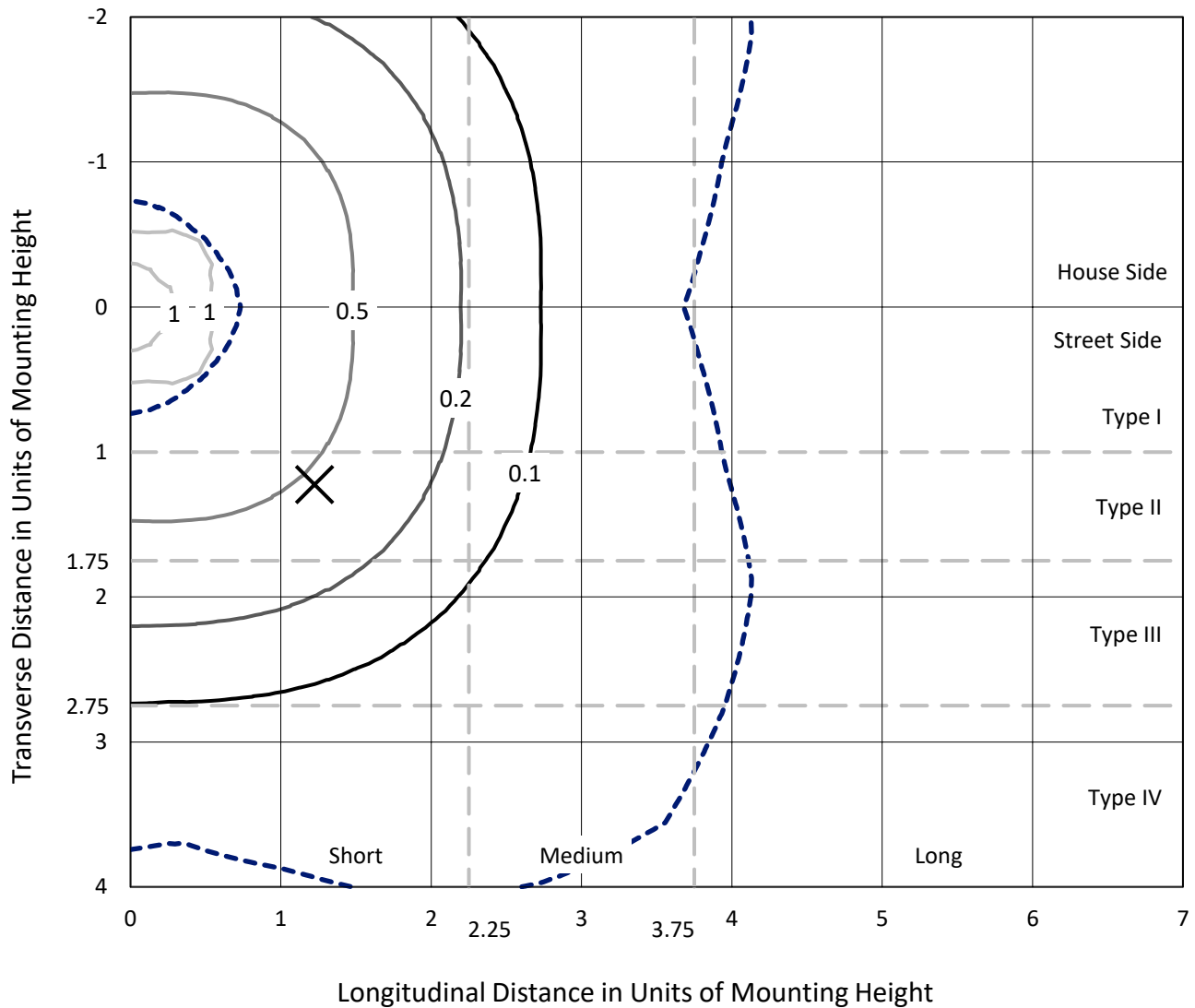


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

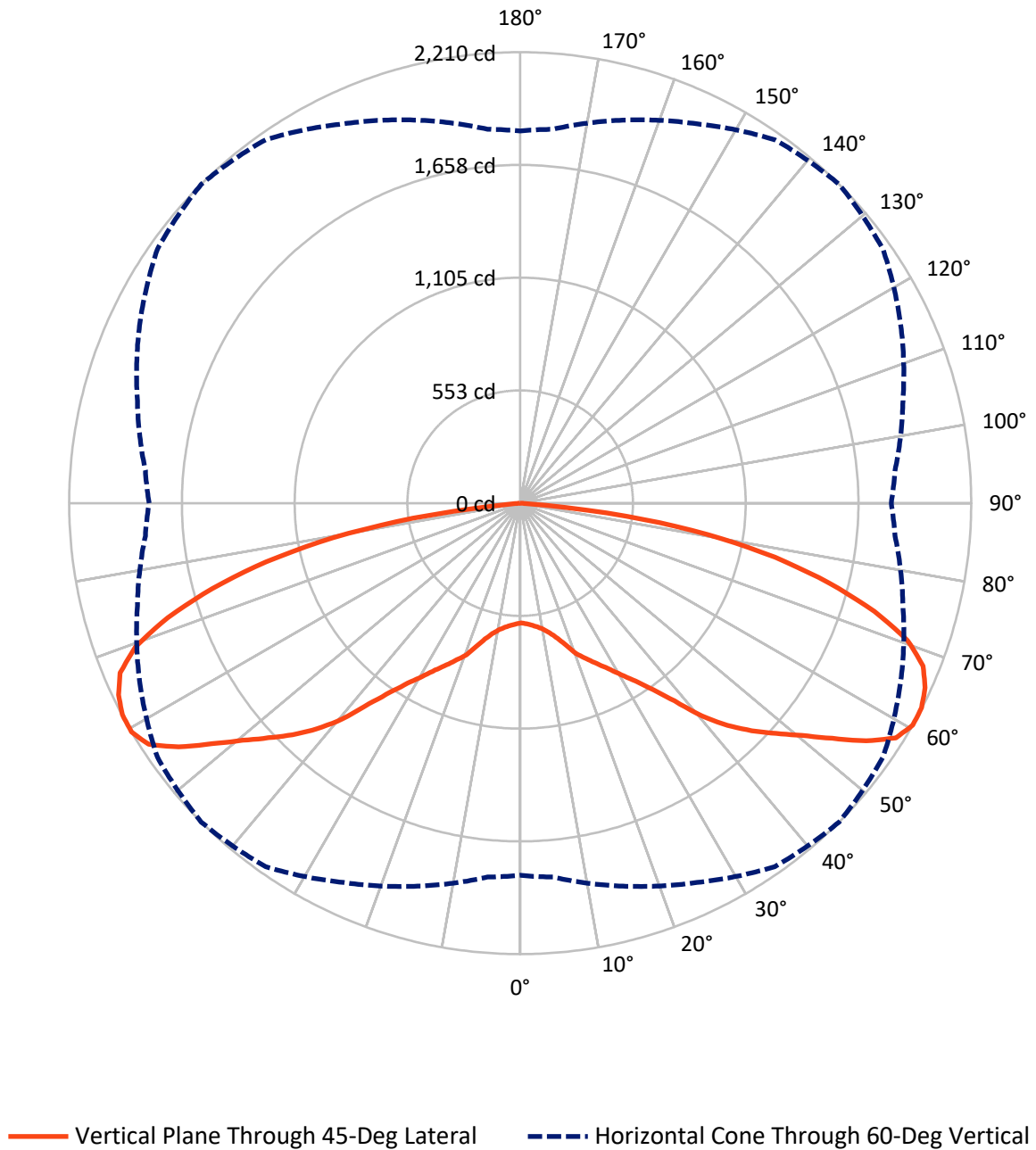


Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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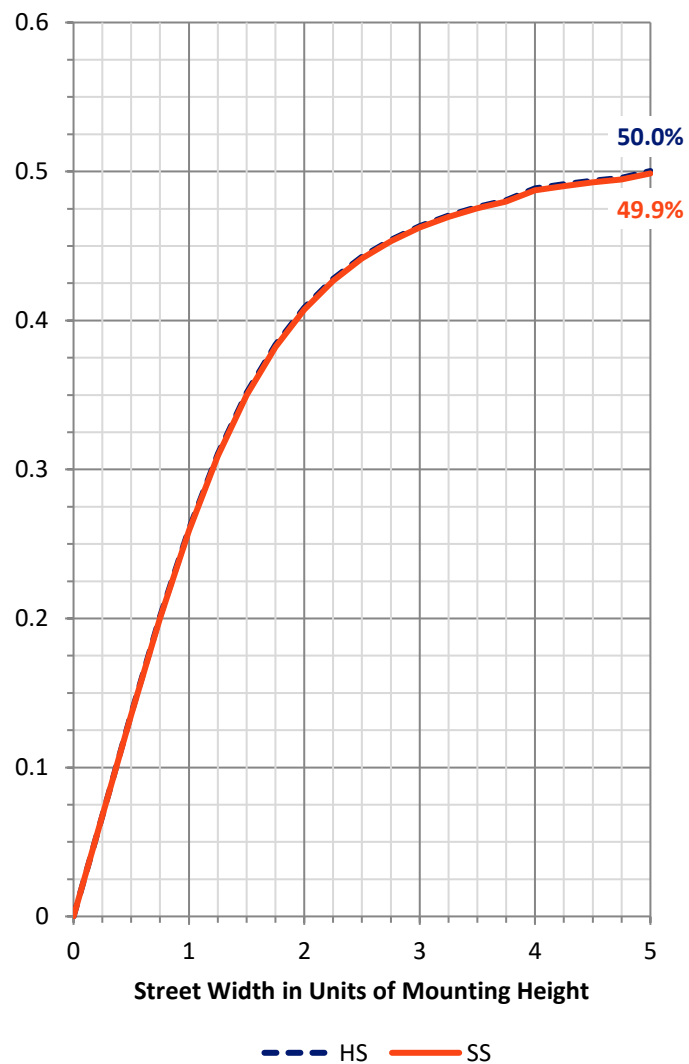
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3875.0   | 0.0    | 3875.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3875.0   | 0.0    | 3875.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 7750.0   | 0.0    | 7750.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 58.3   | 0.8       |
| 10°-20°   | 198.6  | 2.6       |
| 20°-30°   | 403.1  | 5.2       |
| 30°-40°   | 703.2  | 9.1       |
| 40°-50°   | 1174.3 | 15.2      |
| 50°-60°   | 1701.3 | 22.0      |
| 60°-70°   | 1936.2 | 25.0      |
| 70°-80°   | 1377.9 | 17.8      |
| 80°-90°   | 197.1  | 2.5       |
| 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°    | 7750.0 | 100.0     |
| 0°-180°   | 7750.0 | 100.0     |

**Coefficient of Utilization**



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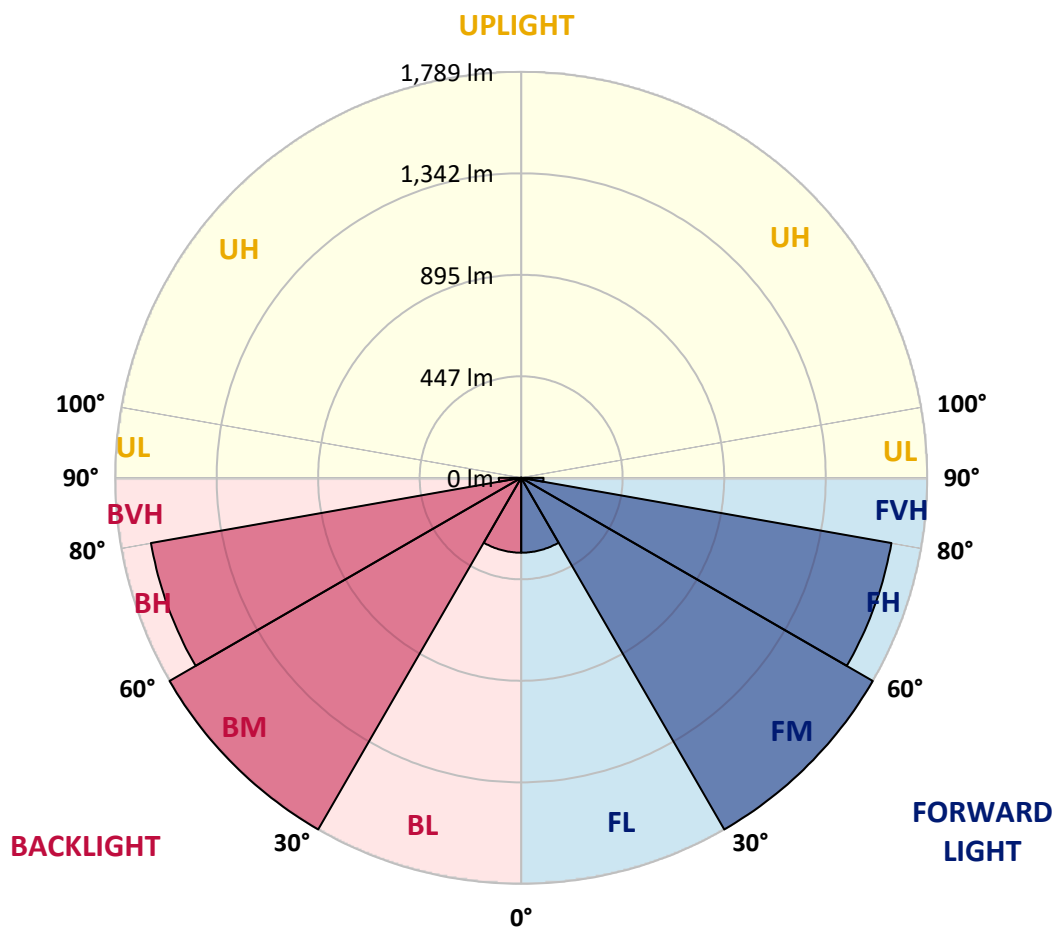
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 330.0  | 4.3       |                         |      |         |
| FM   | (30°-60°)   | 1789.4 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 1657.0 | 21.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 98.6   | 1.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 330.0  | 4.3       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1789.4 | 23.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1657.0 | 21.4      | B3/2500                 |      | G1/1800 |
| BVH  | (80°-90°)   | 98.6   | 1.3       |                         |      | 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°    | 586.6  | 586.6  | 586.6  | 586.6  | 586.6  | 586.6  | 586.6  | 586.6  | 586.6  | 586.6  | 586.6  |
| 2.5°  | 593.7  | 593.7  | 593.7  | 593.7  | 593.7  | 592.3  | 592.3  | 593.7  | 593.7  | 593.7  | 595.1  |
| 5°    | 600.8  | 602.2  | 600.8  | 602.2  | 600.8  | 600.8  | 600.8  | 602.2  | 602.2  | 602.2  | 602.2  |
| 7.5°  | 612.2  | 612.2  | 610.8  | 612.2  | 610.8  | 612.2  | 612.2  | 613.6  | 613.6  | 613.6  | 613.6  |
| 10°   | 630.7  | 630.7  | 630.7  | 630.7  | 629.2  | 629.2  | 630.7  | 632.1  | 633.5  | 633.5  | 633.5  |
| 12.5° | 654.8  | 654.8  | 654.8  | 657.6  | 654.8  | 653.4  | 653.4  | 656.2  | 657.6  | 656.2  | 654.8  |
| 15°   | 683.2  | 683.2  | 684.6  | 687.5  | 687.5  | 687.5  | 686.0  | 686.0  | 687.5  | 684.6  | 683.2  |
| 17.5° | 721.6  | 721.6  | 721.6  | 727.2  | 731.5  | 732.9  | 728.7  | 725.8  | 725.8  | 723.0  | 720.1  |
| 20°   | 771.3  | 772.7  | 772.7  | 778.4  | 785.5  | 788.3  | 784.1  | 778.4  | 777.0  | 772.7  | 771.3  |
| 22.5° | 812.5  | 815.3  | 816.7  | 821.0  | 826.7  | 828.1  | 828.1  | 822.4  | 821.0  | 818.1  | 812.5  |
| 25°   | 852.2  | 855.1  | 856.5  | 865.0  | 870.7  | 870.7  | 872.1  | 865.0  | 862.2  | 857.9  | 852.2  |
| 27.5° | 896.3  | 896.3  | 897.7  | 909.0  | 919.0  | 917.6  | 917.6  | 911.9  | 906.2  | 899.1  | 897.7  |
| 30°   | 943.1  | 946.0  | 946.0  | 960.2  | 971.5  | 975.8  | 970.1  | 964.4  | 955.9  | 948.8  | 944.6  |
| 32.5° | 997.1  | 998.5  | 1004.2 | 1024.1 | 1035.5 | 1039.7 | 1036.9 | 1026.9 | 1012.7 | 1005.6 | 1001.4 |
| 35°   | 1058.2 | 1059.6 | 1073.8 | 1100.8 | 1117.8 | 1122.1 | 1122.1 | 1102.2 | 1083.8 | 1068.1 | 1061.0 |
| 37.5° | 1143.4 | 1147.7 | 1170.4 | 1204.5 | 1237.2 | 1230.1 | 1241.4 | 1205.9 | 1177.5 | 1156.2 | 1146.3 |
| 40°   | 1249.9 | 1254.2 | 1288.3 | 1326.6 | 1370.7 | 1372.1 | 1376.4 | 1328.1 | 1291.1 | 1264.1 | 1252.8 |
| 42.5° | 1329.5 | 1342.3 | 1384.9 | 1434.6 | 1472.9 | 1488.6 | 1480.0 | 1436.0 | 1386.3 | 1352.2 | 1339.4 |
| 45°   | 1413.3 | 1426.1 | 1477.2 | 1532.6 | 1573.8 | 1590.8 | 1576.6 | 1534.0 | 1481.5 | 1437.4 | 1421.8 |
| 47.5° | 1497.1 | 1509.9 | 1562.4 | 1623.5 | 1674.6 | 1686.0 | 1677.5 | 1626.3 | 1565.3 | 1517.0 | 1501.3 |
| 50°   | 1579.5 | 1595.1 | 1646.2 | 1722.9 | 1779.7 | 1788.3 | 1782.6 | 1724.3 | 1647.6 | 1597.9 | 1588.0 |
| 52.5° | 1651.9 | 1676.1 | 1751.3 | 1829.5 | 1906.2 | 1914.7 | 1910.4 | 1828.0 | 1741.4 | 1677.5 | 1649.1 |
| 55°   | 1740.0 | 1755.6 | 1833.7 | 1961.6 | 2025.5 | 2056.7 | 2035.4 | 1953.0 | 1836.6 | 1764.1 | 1742.8 |
| 57.5° | 1818.1 | 1832.3 | 1906.2 | 2029.7 | 2126.3 | 2170.3 | 2134.8 | 2031.2 | 1909.0 | 1828.0 | 1822.4 |
| 60°   | 1823.8 | 1839.4 | 1943.1 | 2051.0 | 2174.6 | 2210.1 | 2170.3 | 2058.1 | 1941.7 | 1843.7 | 1818.1 |
| 62.5° | 1791.1 | 1811.0 | 1910.4 | 2072.3 | 2186.0 | 2207.3 | 2174.6 | 2059.6 | 1917.5 | 1820.9 | 1792.5 |
| 65°   | 1786.8 | 1795.4 | 1882.0 | 2051.0 | 2137.7 | 2180.3 | 2139.1 | 2043.9 | 1890.5 | 1798.2 | 1774.1 |
| 67.5° | 1680.3 | 1677.5 | 1793.9 | 1944.5 | 2082.3 | 2129.2 | 2078.0 | 1947.3 | 1803.9 | 1691.7 | 1663.3 |
| 70°   | 1539.7 | 1532.6 | 1647.6 | 1813.8 | 1951.6 | 2012.7 | 1948.8 | 1819.5 | 1661.9 | 1544.0 | 1522.7 |
| 72.5° | 1352.2 | 1339.4 | 1457.3 | 1634.9 | 1767.0 | 1815.3 | 1764.1 | 1640.5 | 1472.9 | 1360.7 | 1328.1 |
| 75°   | 1109.3 | 1092.3 | 1223.0 | 1393.4 | 1514.1 | 1565.3 | 1507.0 | 1410.4 | 1244.3 | 1129.2 | 1085.2 |
| 77.5° | 830.9  | 808.2  | 931.8  | 1109.3 | 1215.9 | 1276.9 | 1214.4 | 1123.5 | 960.2  | 846.5  | 811.0  |
| 80°   | 534.1  | 504.2  | 603.7  | 781.2  | 873.5  | 933.2  | 862.2  | 788.3  | 630.7  | 536.9  | 511.3  |
| 82.5° | 217.3  | 191.8  | 257.1  | 386.3  | 458.8  | 528.4  | 454.5  | 390.6  | 275.6  | 214.5  | 197.4  |
| 85°   | 15.6   | 8.5    | 12.8   | 15.6   | 12.8   | 24.1   | 9.9    | 12.8   | 11.4   | 11.4   | 11.4   |
| 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    |

(END OF REPORT)