

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: INVUE

Report Number: P672426

Luminaire Tested: **CCP-SA-2A-760-U-5WQ**

Issue Date: 04/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P672426  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2A-760-U-5WQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5WQ  
distribution lens  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5866.2 lumens  
Efficiency: N/A  
Efficacy: 162.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

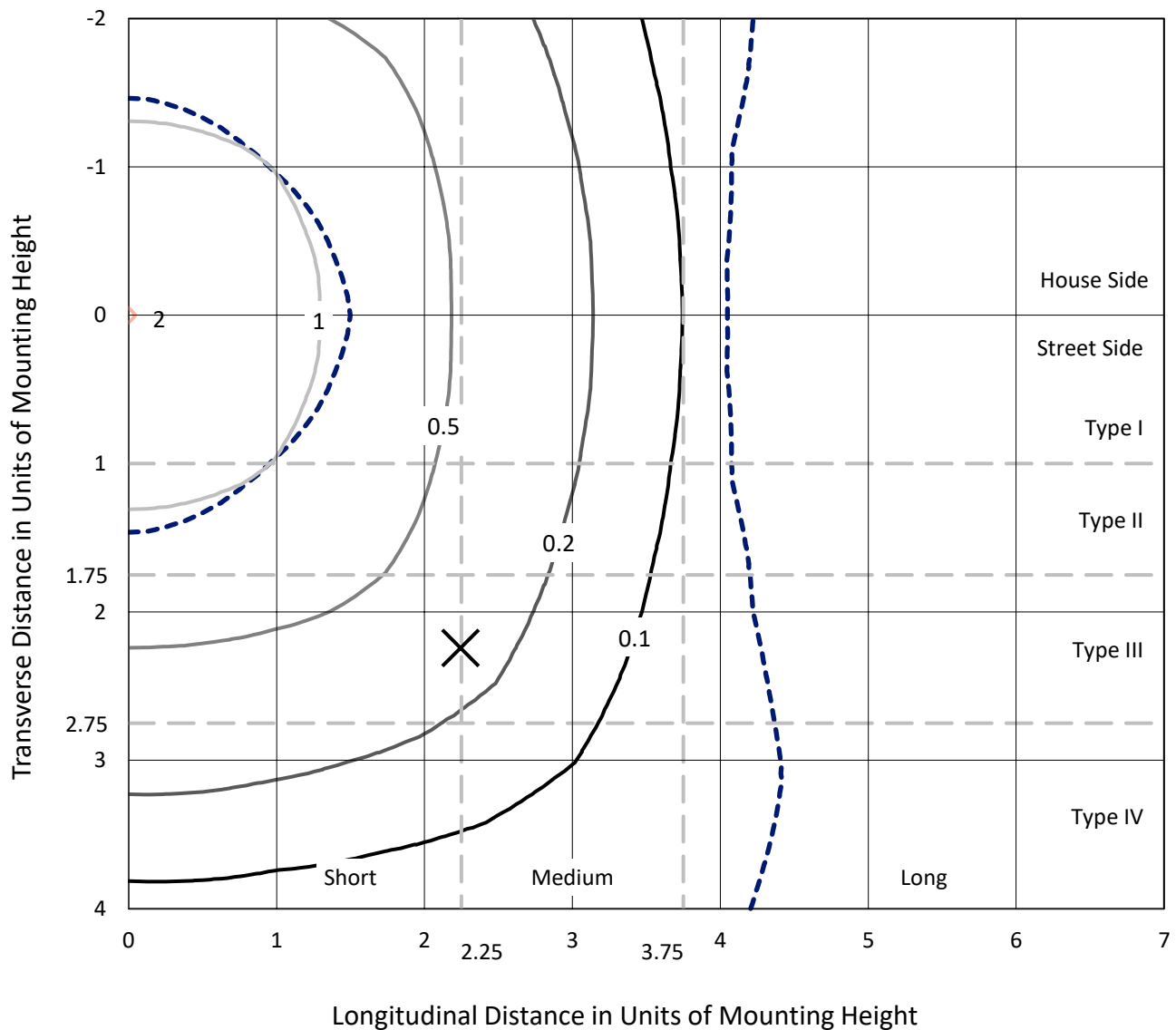
Input Watts (W): 36.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

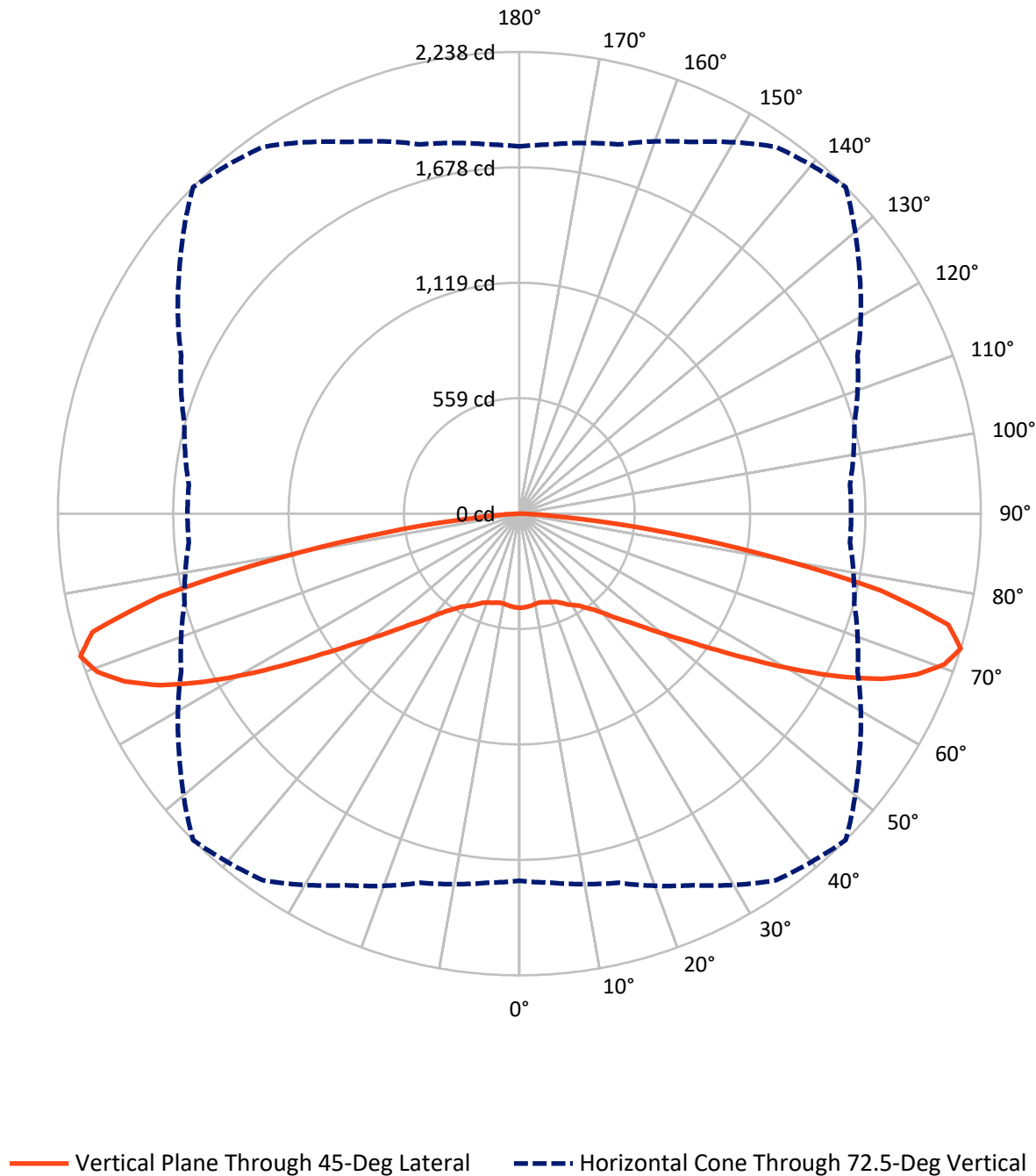


Based on 15 foot mounting height. Maximum calculated value = 2 fc  
Type V - Short - N/A

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## Luminous Intensity Polar Plot



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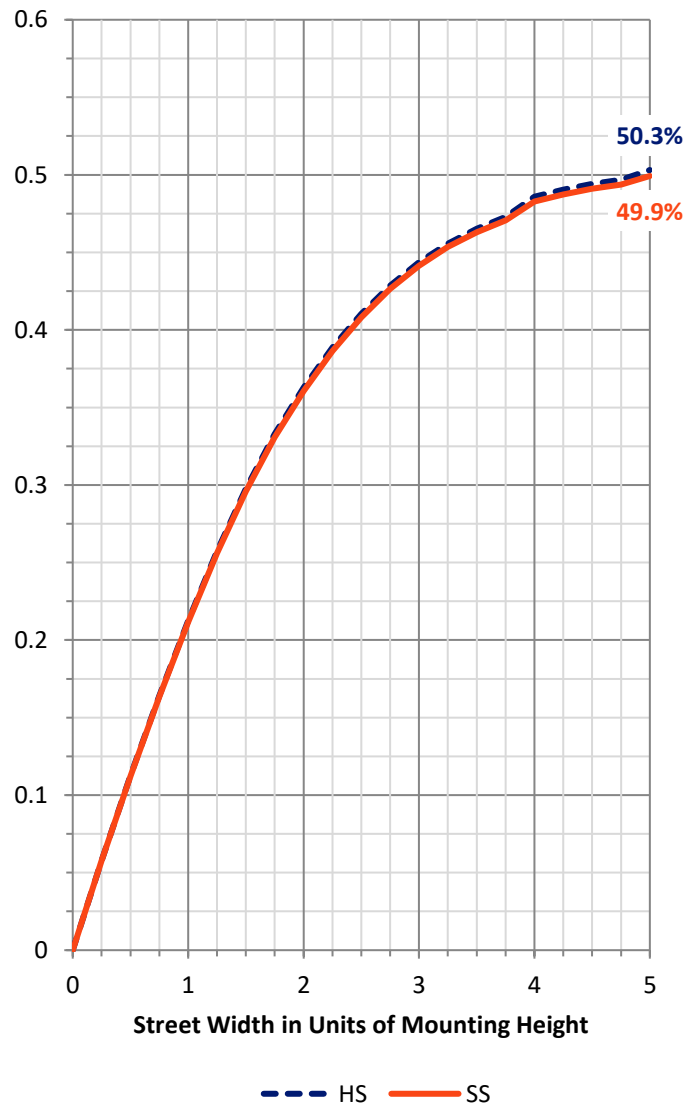
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2933.1   | 0.0    | 2933.1 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 2933.1   | 0.0    | 2933.1 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 5866.2   | 0.0    | 5866.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 42.9   | 0.7       |
| 10°-20°   | 127.4  | 2.2       |
| 20°-30°   | 223.8  | 3.8       |
| 30°-40°   | 357.1  | 6.1       |
| 40°-50°   | 597.1  | 10.2      |
| 50°-60°   | 1021.7 | 17.4      |
| 60°-70°   | 1686.7 | 28.8      |
| 70°-80°   | 1616.6 | 27.6      |
| 80°-90°   | 192.8  | 3.3       |
| 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°    | 5866.2 | 100.0     |
| 0°-180°   | 5866.2 | 100.0     |

**Coefficient of Utilization**



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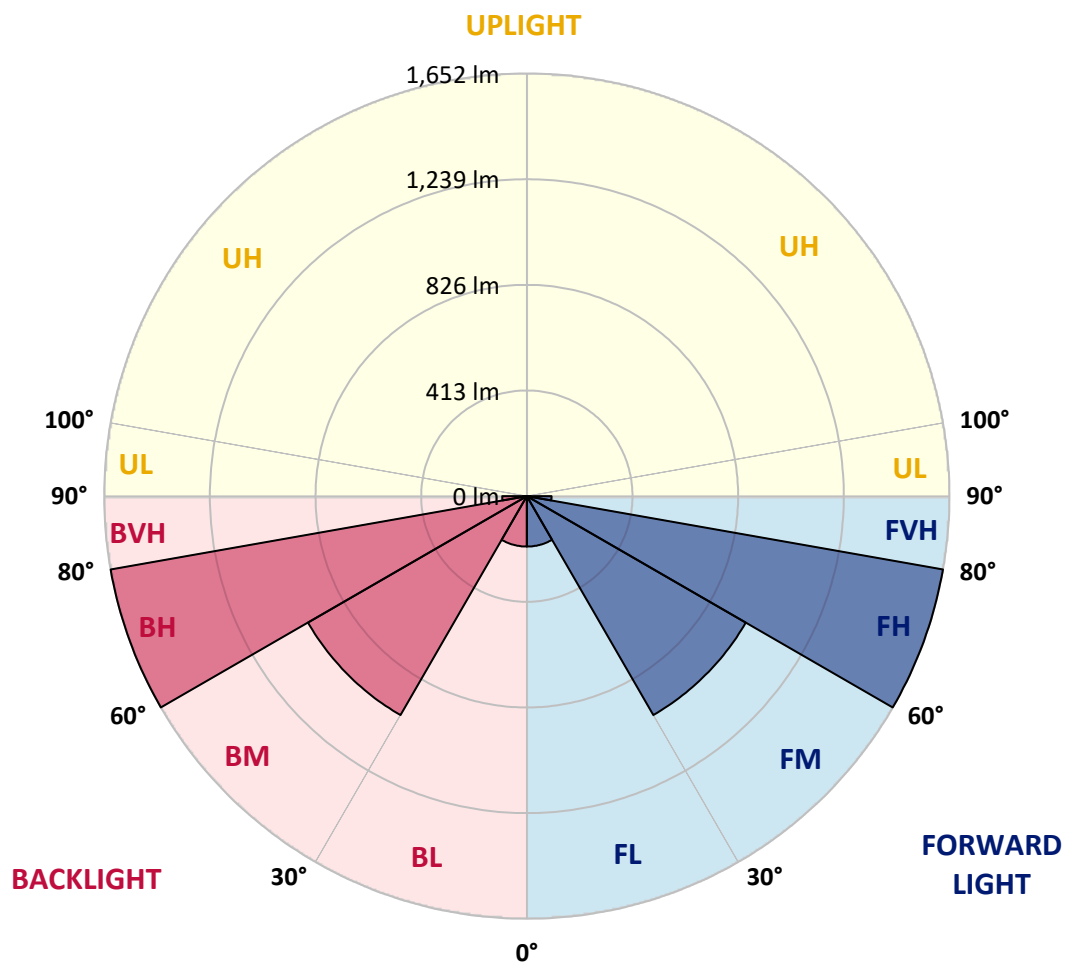
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 197.1  | 3.4       |                         |      |         |
| FM   | (30°-60°)   | 987.9  | 16.8      |                         |      |         |
| FH   | (60°-80°)   | 1651.7 | 28.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 96.4   | 1.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 197.1  | 3.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 987.9  | 16.8      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 1651.7 | 28.2      | B3/2500                 |      | G1/1800 |
| BVH  | (80°-90°)   | 96.4   | 1.6       |                         |      | 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°    | 456.8  | 456.8  | 456.8  | 456.8  | 456.8  | 456.8  | 456.8  | 456.8  | 456.8  | 456.8  | 456.8  |
| 2.5°  | 453.9  | 453.9  | 455.2  | 455.6  | 455.2  | 454.8  | 454.4  | 453.9  | 455.2  | 454.8  | 455.2  |
| 5°    | 452.7  | 452.7  | 453.1  | 453.5  | 452.7  | 452.3  | 451.5  | 451.1  | 451.9  | 451.9  | 452.7  |
| 7.5°  | 449.4  | 449.0  | 449.4  | 449.8  | 448.6  | 448.2  | 447.0  | 447.0  | 447.0  | 446.6  | 447.4  |
| 10°   | 446.6  | 445.8  | 445.8  | 444.9  | 442.9  | 443.3  | 441.7  | 442.9  | 444.9  | 445.3  | 445.8  |
| 12.5° | 447.8  | 447.0  | 446.2  | 444.1  | 441.3  | 441.7  | 441.3  | 442.5  | 445.3  | 447.0  | 448.2  |
| 15°   | 453.5  | 452.7  | 450.7  | 447.0  | 445.3  | 445.3  | 444.5  | 444.9  | 449.0  | 451.5  | 452.7  |
| 17.5° | 459.7  | 458.0  | 454.4  | 451.9  | 450.3  | 451.5  | 448.6  | 448.2  | 451.5  | 455.2  | 456.4  |
| 20°   | 464.6  | 463.4  | 458.9  | 456.0  | 456.0  | 457.2  | 454.4  | 452.7  | 456.4  | 460.9  | 462.1  |
| 22.5° | 473.2  | 472.4  | 467.9  | 465.0  | 465.0  | 465.4  | 463.8  | 462.5  | 466.6  | 471.1  | 472.4  |
| 25°   | 485.5  | 485.5  | 481.0  | 479.7  | 479.3  | 480.1  | 478.1  | 476.9  | 480.5  | 483.8  | 485.1  |
| 27.5° | 499.8  | 498.6  | 494.9  | 494.1  | 495.7  | 498.6  | 494.9  | 491.6  | 494.5  | 497.3  | 497.7  |
| 30°   | 514.9  | 514.9  | 511.7  | 511.7  | 512.9  | 514.1  | 510.8  | 507.6  | 510.4  | 513.7  | 514.1  |
| 32.5° | 536.2  | 535.0  | 533.8  | 534.2  | 533.8  | 532.1  | 530.5  | 530.1  | 532.5  | 534.6  | 535.4  |
| 35°   | 562.4  | 562.0  | 560.4  | 561.2  | 561.2  | 561.2  | 556.3  | 554.6  | 558.7  | 560.4  | 559.5  |
| 37.5° | 602.9  | 602.5  | 598.4  | 596.0  | 593.1  | 591.9  | 585.7  | 585.3  | 595.2  | 600.1  | 599.3  |
| 40°   | 652.5  | 650.8  | 647.1  | 643.1  | 639.4  | 636.9  | 630.8  | 635.3  | 645.5  | 649.2  | 649.2  |
| 42.5° | 706.5  | 704.4  | 700.4  | 698.3  | 695.9  | 693.4  | 685.2  | 687.3  | 699.5  | 703.2  | 699.1  |
| 45°   | 772.8  | 769.9  | 765.4  | 760.9  | 757.3  | 752.3  | 748.2  | 750.3  | 763.4  | 767.9  | 764.6  |
| 47.5° | 843.2  | 842.4  | 838.7  | 835.0  | 831.7  | 828.5  | 823.2  | 826.8  | 838.3  | 837.5  | 830.9  |
| 50°   | 917.7  | 919.3  | 919.8  | 923.4  | 921.0  | 921.4  | 911.6  | 909.5  | 918.5  | 913.2  | 905.0  |
| 52.5° | 997.9  | 1000.4 | 1009.0 | 1016.4 | 1029.9 | 1031.5 | 1019.2 | 1006.1 | 1004.5 | 990.6  | 982.0  |
| 55°   | 1090.9 | 1090.4 | 1109.3 | 1129.7 | 1159.6 | 1169.0 | 1141.6 | 1117.0 | 1103.5 | 1076.5 | 1067.5 |
| 57.5° | 1196.0 | 1194.8 | 1223.5 | 1259.5 | 1313.5 | 1336.9 | 1286.5 | 1239.8 | 1207.1 | 1174.8 | 1165.4 |
| 60°   | 1310.3 | 1313.1 | 1347.9 | 1406.4 | 1499.8 | 1532.1 | 1456.0 | 1378.6 | 1328.7 | 1286.5 | 1282.8 |
| 62.5° | 1443.7 | 1444.1 | 1485.0 | 1564.4 | 1685.6 | 1737.6 | 1632.8 | 1528.0 | 1464.6 | 1418.3 | 1408.5 |
| 65°   | 1601.3 | 1604.1 | 1647.9 | 1728.2 | 1867.3 | 1931.6 | 1810.9 | 1683.1 | 1608.2 | 1545.6 | 1544.4 |
| 67.5° | 1763.0 | 1761.3 | 1801.4 | 1886.6 | 2020.8 | 2080.2 | 1953.7 | 1811.3 | 1713.8 | 1635.7 | 1625.4 |
| 70°   | 1866.5 | 1875.5 | 1918.9 | 2000.4 | 2128.9 | 2186.6 | 2032.7 | 1860.8 | 1758.9 | 1687.2 | 1682.3 |
| 72.5° | 1779.3 | 1796.1 | 1852.2 | 1987.3 | 2169.4 | 2237.8 | 2013.9 | 1809.6 | 1681.1 | 1609.1 | 1609.1 |
| 75°   | 1444.5 | 1472.3 | 1550.5 | 1758.5 | 2029.4 | 2147.7 | 1864.5 | 1583.7 | 1396.6 | 1319.7 | 1319.7 |
| 77.5° | 880.1  | 906.7  | 1012.3 | 1266.0 | 1638.9 | 1790.4 | 1519.8 | 1192.8 | 976.2  | 882.1  | 869.8  |
| 80°   | 292.7  | 309.9  | 413.4  | 643.5  | 1006.1 | 1191.5 | 1018.4 | 677.4  | 437.2  | 333.2  | 331.6  |
| 82.5° | 77.8   | 84.7   | 117.9  | 186.7  | 436.8  | 645.5  | 465.8  | 223.5  | 128.1  | 99.5   | 91.7   |
| 85°   | 27.0   | 29.1   | 49.9   | 62.2   | 110.9  | 213.7  | 129.8  | 81.0   | 62.2   | 37.7   | 35.2   |
| 87.5° | 7.8    | 8.6    | 20.1   | 21.7   | 31.9   | 25.0   | 35.2   | 32.3   | 29.5   | 12.3   | 11.1   |
| 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)