

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: P672723

Luminaire Tested: **CCP-SA-1E-827-U-5NQ**

Issue Date: 04/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P672723  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-827-U-5NQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5NQ  
distribution lens  
Light Source: (16) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5230 lumens  
Efficiency: N/A  
Efficacy: 93.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

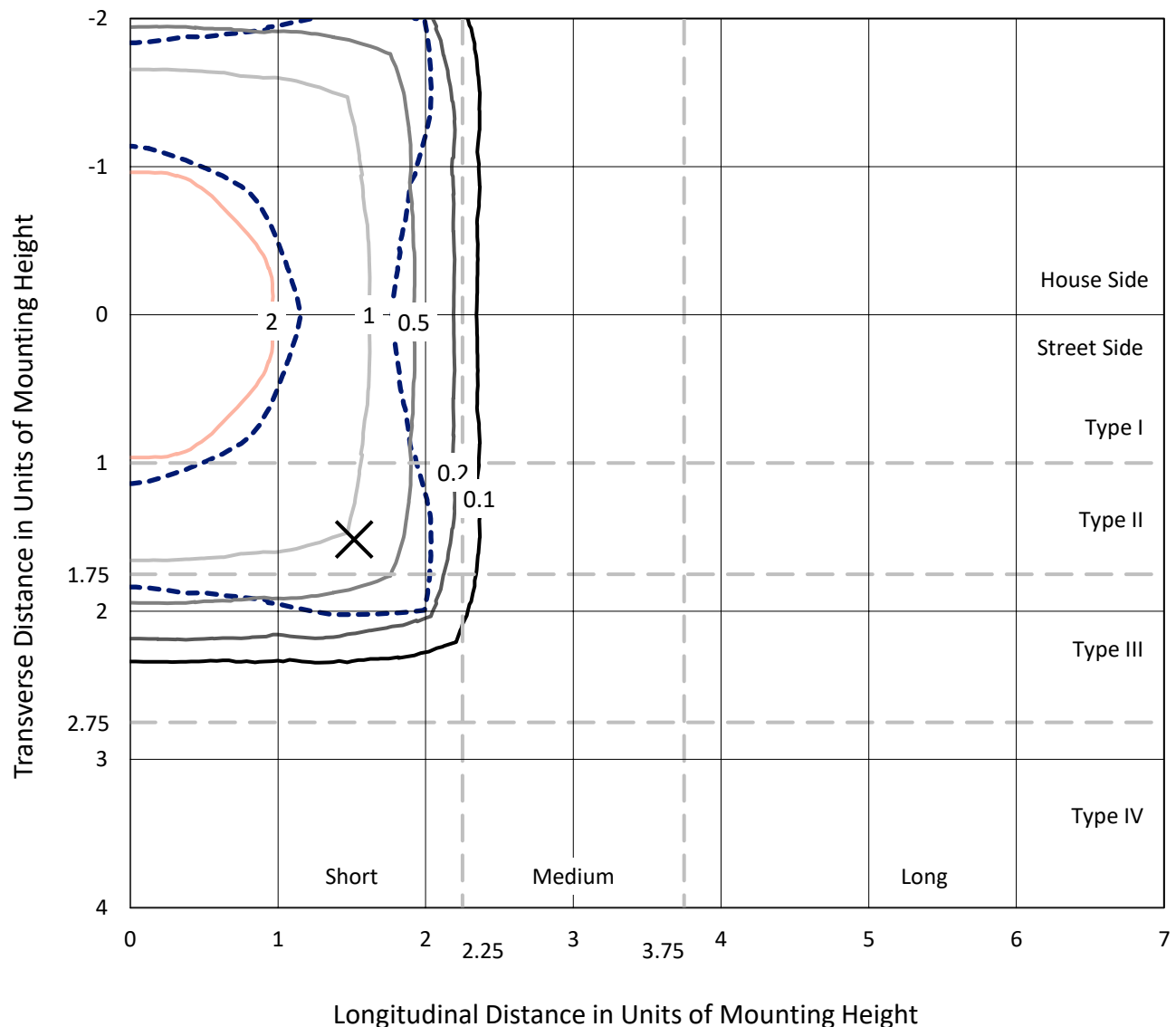
Input Watts (W): 56.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

REPORT NUMBER: P672723

CATALOG NUMBER: CCP-SA-1E-827-U-5NQ

## Iso-Footcandle Lines of Horizontal Illumination

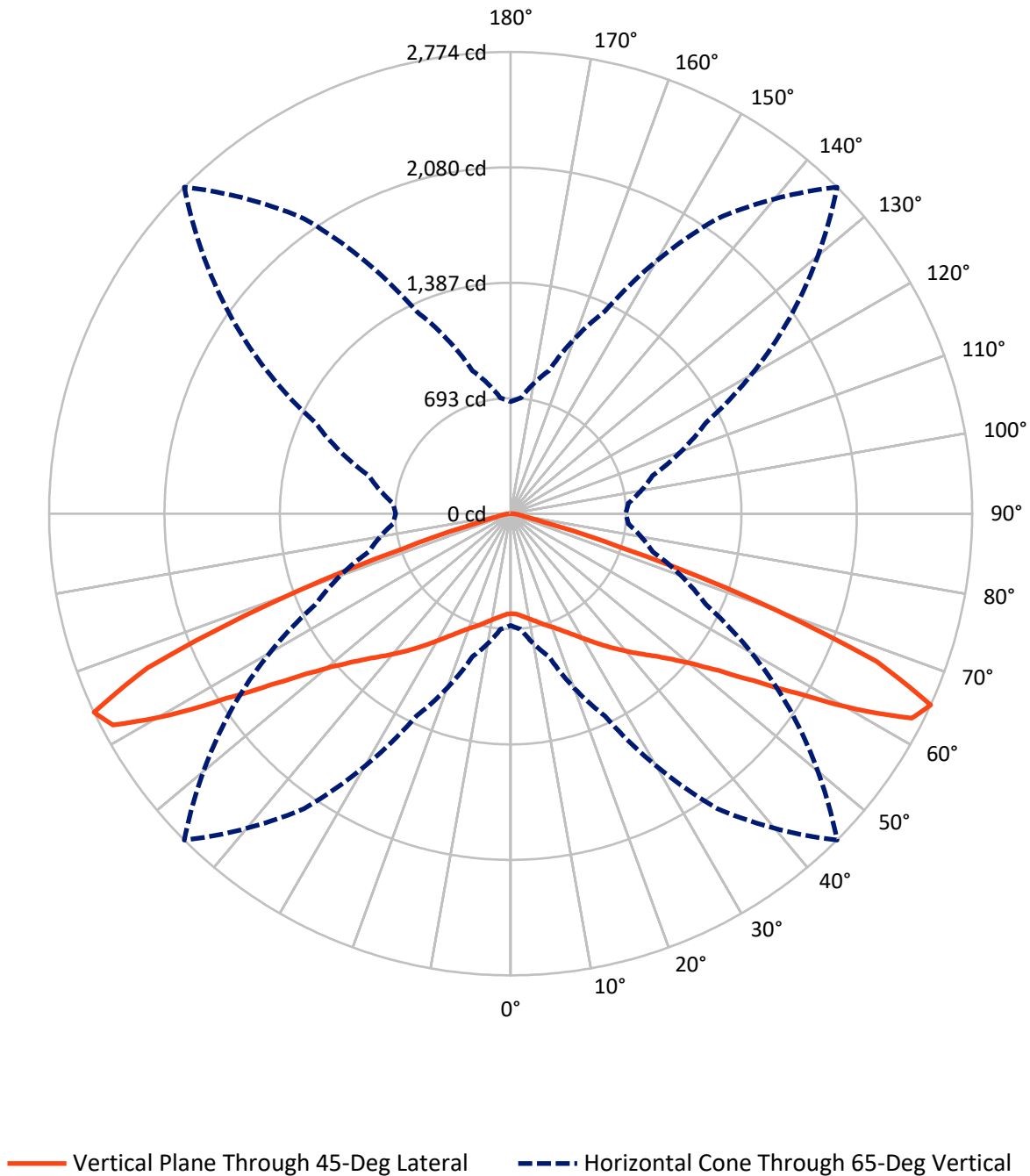
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc  
 Type V - Short - N/A

REPORT NUMBER: P672723  
CATALOG NUMBER: CCP-SA-1E-827-U-5NQ

## Luminous Intensity Polar Plot



REPORT NUMBER: P672723

CATALOG NUMBER: CCP-SA-1E-827-U-5NQ

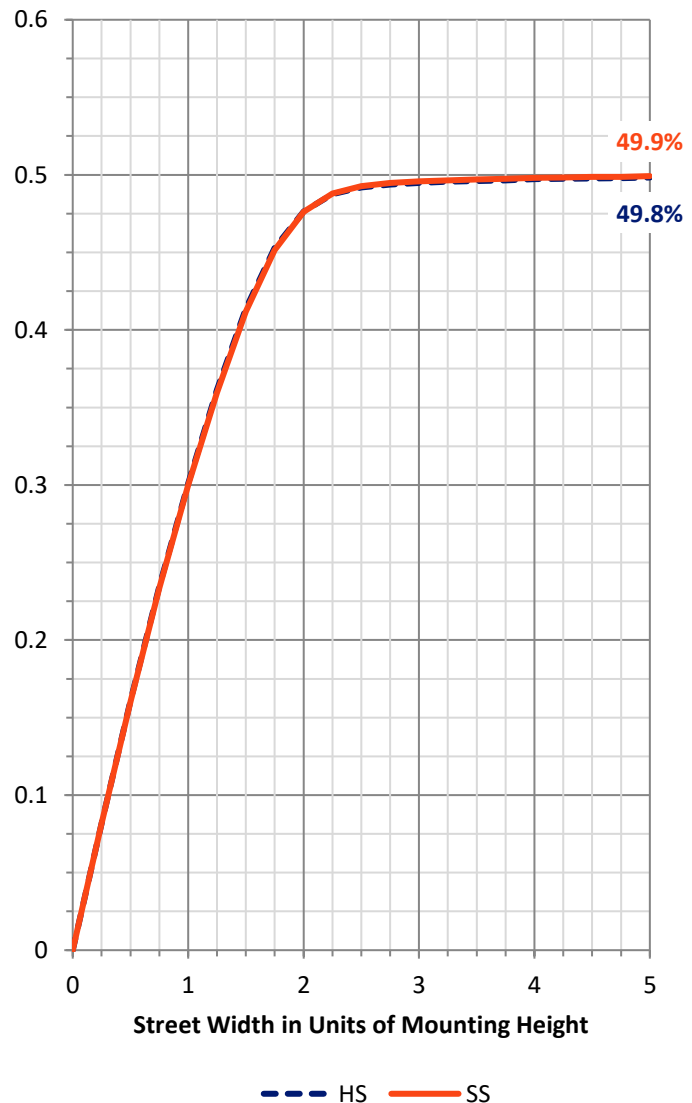
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2615.0   | 0.0    | 2615.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 2615.0   | 0.0    | 2615.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 5230.0   | 0.0    | 5230.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 59.6   | 1.1       |
| 10°-20°   | 194.4  | 3.7       |
| 20°-30°   | 368.8  | 7.1       |
| 30°-40°   | 618.4  | 11.8      |
| 40°-50°   | 978.6  | 18.7      |
| 50°-60°   | 1537.4 | 29.4      |
| 60°-70°   | 1299.0 | 24.8      |
| 70°-80°   | 151.3  | 2.9       |
| 80°-90°   | 22.5   | 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°    | 5230.0 | 100.0     |
| 0°-180°   | 5230.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P672723

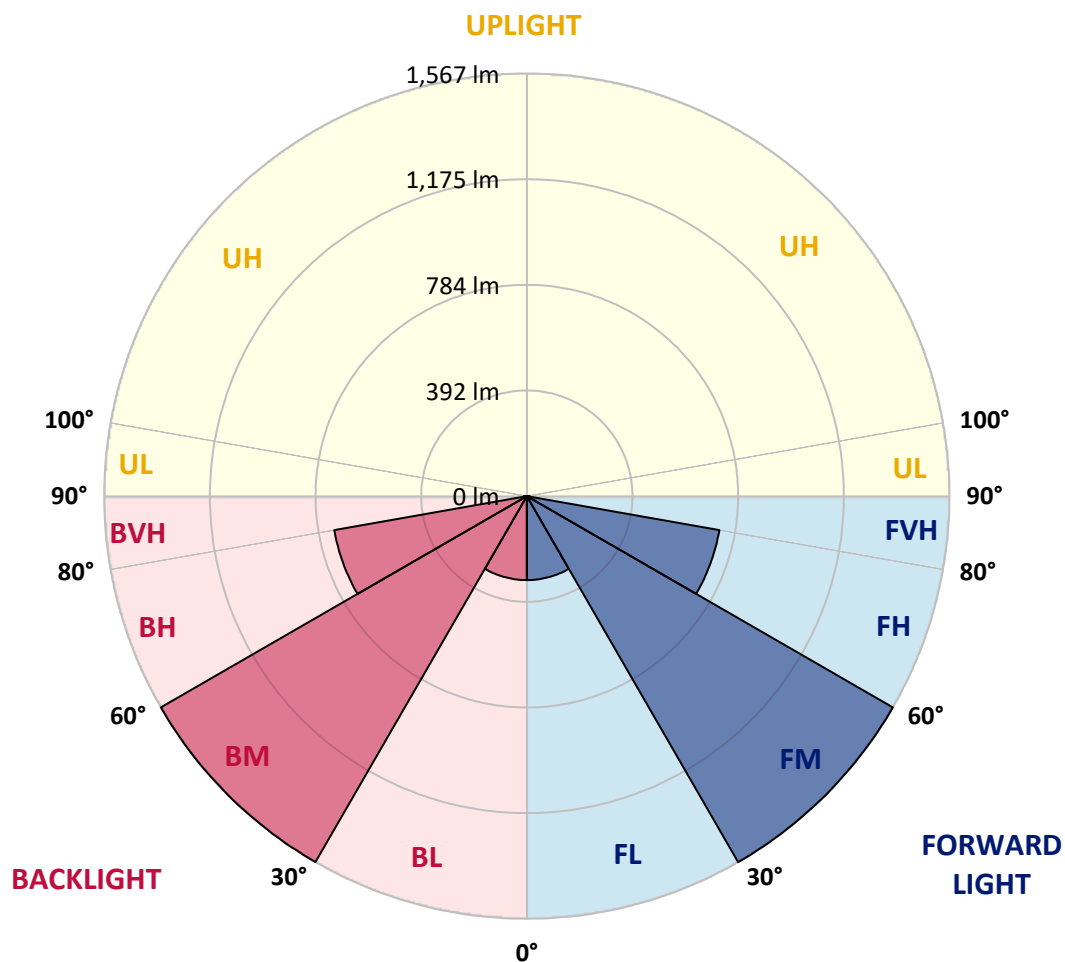
CATALOG NUMBER: CCP-SA-1E-827-U-5NQ

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 311.4  | 6.0       |                         |      |         |
| FM   | (30°-60°)   | 1567.3 | 30.0      |                         |      |         |
| FH   | (60°-80°)   | 725.1  | 13.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 11.3   | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 311.4  | 6.0       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1567.3 | 30.0      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 725.1  | 13.9      | B2/1000                 |      | G1/1800 |
| BVH  | (80°-90°)   | 11.3   | 0.2       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G1**

Type V Short





REPORT NUMBER: P672723

CATALOG NUMBER: CCP-SA-1E-827-U-5NQ

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 601.4  | 601.4  | 601.4  | 601.4  | 601.4  | 601.4  | 601.4  | 601.4  | 601.4  | 601.4  | 601.4  |
| 2.5°  | 604.7  | 602.8  | 604.7  | 604.7  | 603.6  | 603.9  | 602.5  | 602.1  | 603.9  | 602.5  | 602.1  |
| 5°    | 617.2  | 615.7  | 617.2  | 616.1  | 614.2  | 614.6  | 612.4  | 611.7  | 613.9  | 611.7  | 612.0  |
| 7.5°  | 631.5  | 628.9  | 629.7  | 630.8  | 628.9  | 628.9  | 627.1  | 626.0  | 627.1  | 624.9  | 626.4  |
| 10°   | 643.6  | 641.4  | 642.5  | 644.0  | 643.6  | 644.7  | 642.9  | 642.2  | 641.1  | 638.5  | 640.7  |
| 12.5° | 659.4  | 658.7  | 660.2  | 662.0  | 661.3  | 662.8  | 658.7  | 657.6  | 657.2  | 654.3  | 656.9  |
| 15°   | 680.0  | 678.2  | 680.8  | 683.0  | 681.9  | 684.4  | 681.1  | 679.7  | 677.8  | 674.1  | 676.4  |
| 17.5° | 700.6  | 699.1  | 702.8  | 703.9  | 704.3  | 706.5  | 703.9  | 701.7  | 701.0  | 698.4  | 696.9  |
| 20°   | 725.2  | 723.4  | 726.3  | 728.5  | 726.7  | 729.3  | 728.2  | 726.7  | 726.0  | 721.9  | 721.6  |
| 22.5° | 752.8  | 750.2  | 754.6  | 757.2  | 754.6  | 757.2  | 755.0  | 754.6  | 755.0  | 749.1  | 749.9  |
| 25°   | 783.7  | 784.1  | 788.5  | 790.3  | 788.8  | 790.3  | 787.0  | 789.2  | 788.1  | 781.8  | 779.6  |
| 27.5° | 823.4  | 821.9  | 826.7  | 832.2  | 828.5  | 828.5  | 827.1  | 829.3  | 828.9  | 823.0  | 821.5  |
| 30°   | 869.7  | 869.3  | 876.3  | 879.6  | 874.5  | 872.3  | 871.9  | 877.4  | 877.8  | 871.5  | 869.0  |
| 32.5° | 918.2  | 918.2  | 926.7  | 930.7  | 923.4  | 921.9  | 920.4  | 927.8  | 926.7  | 918.2  | 912.7  |
| 35°   | 971.5  | 969.3  | 980.7  | 986.6  | 979.2  | 974.8  | 974.1  | 980.7  | 979.2  | 967.5  | 960.9  |
| 37.5° | 1024.1 | 1025.6 | 1038.8 | 1045.4 | 1036.6 | 1031.1 | 1032.9 | 1037.3 | 1037.7 | 1024.8 | 1017.8 |
| 40°   | 1088.4 | 1088.8 | 1105.3 | 1110.5 | 1099.1 | 1090.6 | 1093.2 | 1103.1 | 1102.4 | 1086.6 | 1077.8 |
| 42.5° | 1160.5 | 1159.0 | 1179.6 | 1184.0 | 1168.5 | 1152.4 | 1160.1 | 1175.5 | 1179.2 | 1161.6 | 1152.4 |
| 45°   | 1237.6 | 1239.9 | 1261.2 | 1266.0 | 1241.7 | 1221.1 | 1237.6 | 1260.8 | 1265.6 | 1246.5 | 1235.1 |
| 47.5° | 1331.4 | 1334.0 | 1359.7 | 1361.5 | 1334.0 | 1307.1 | 1329.2 | 1359.3 | 1361.2 | 1334.7 | 1321.5 |
| 50°   | 1438.3 | 1447.2 | 1475.8 | 1479.5 | 1452.3 | 1417.8 | 1449.4 | 1476.2 | 1469.2 | 1433.9 | 1421.8 |
| 52.5° | 1559.7 | 1566.6 | 1611.5 | 1626.9 | 1603.0 | 1565.9 | 1591.3 | 1607.8 | 1585.4 | 1539.1 | 1520.3 |
| 55°   | 1662.9 | 1674.7 | 1734.3 | 1781.3 | 1799.3 | 1771.4 | 1768.4 | 1744.2 | 1681.7 | 1611.1 | 1591.6 |
| 57.5° | 1692.0 | 1703.4 | 1795.6 | 1916.9 | 2023.9 | 2037.9 | 1973.2 | 1851.5 | 1717.0 | 1608.2 | 1588.3 |
| 60°   | 1574.0 | 1589.4 | 1724.3 | 1954.1 | 2261.0 | 2387.4 | 2153.7 | 1860.7 | 1625.4 | 1479.5 | 1454.5 |
| 62.5° | 1236.2 | 1264.9 | 1439.1 | 1799.3 | 2356.6 | 2705.8 | 2227.9 | 1702.3 | 1349.4 | 1177.0 | 1143.9 |
| 65°   | 672.3  | 696.9  | 889.2  | 1340.9 | 2162.9 | 2773.8 | 2046.0 | 1296.1 | 882.6  | 709.4  | 691.4  |
| 67.5° | 252.2  | 270.2  | 358.4  | 662.8  | 1529.1 | 2371.3 | 1553.0 | 742.1  | 400.7  | 287.4  | 262.1  |
| 70°   | 107.3  | 109.5  | 129.8  | 230.8  | 695.1  | 1542.7 | 795.1  | 252.2  | 133.8  | 108.1  | 105.1  |
| 72.5° | 77.2   | 77.6   | 83.1   | 102.2  | 211.7  | 676.7  | 240.4  | 105.9  | 81.6   | 73.5   | 73.5   |
| 75°   | 61.8   | 62.1   | 65.4   | 73.9   | 100.0  | 199.2  | 103.7  | 74.3   | 63.2   | 57.7   | 57.0   |
| 77.5° | 48.5   | 49.3   | 52.6   | 57.7   | 66.9   | 91.2   | 70.2   | 58.4   | 50.7   | 45.6   | 44.8   |
| 80°   | 36.0   | 37.1   | 41.5   | 44.1   | 47.1   | 60.7   | 51.1   | 45.6   | 40.4   | 34.9   | 33.8   |
| 82.5° | 23.9   | 25.0   | 30.9   | 32.7   | 32.3   | 38.2   | 35.3   | 34.9   | 30.9   | 23.2   | 22.1   |
| 85°   | 14.3   | 15.1   | 19.8   | 21.3   | 19.8   | 18.7   | 22.4   | 24.3   | 21.7   | 15.1   | 14.0   |
| 87.5° | 6.2    | 6.2    | 8.8    | 9.2    | 8.8    | 7.0    | 10.7   | 12.5   | 12.9   | 7.7    | 7.0    |
| 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)