

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: P672789

Luminaire Tested: **CCP-SA-1D-722-U-RW**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672789  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1D-722-U-RW  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ RW distribution lens  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

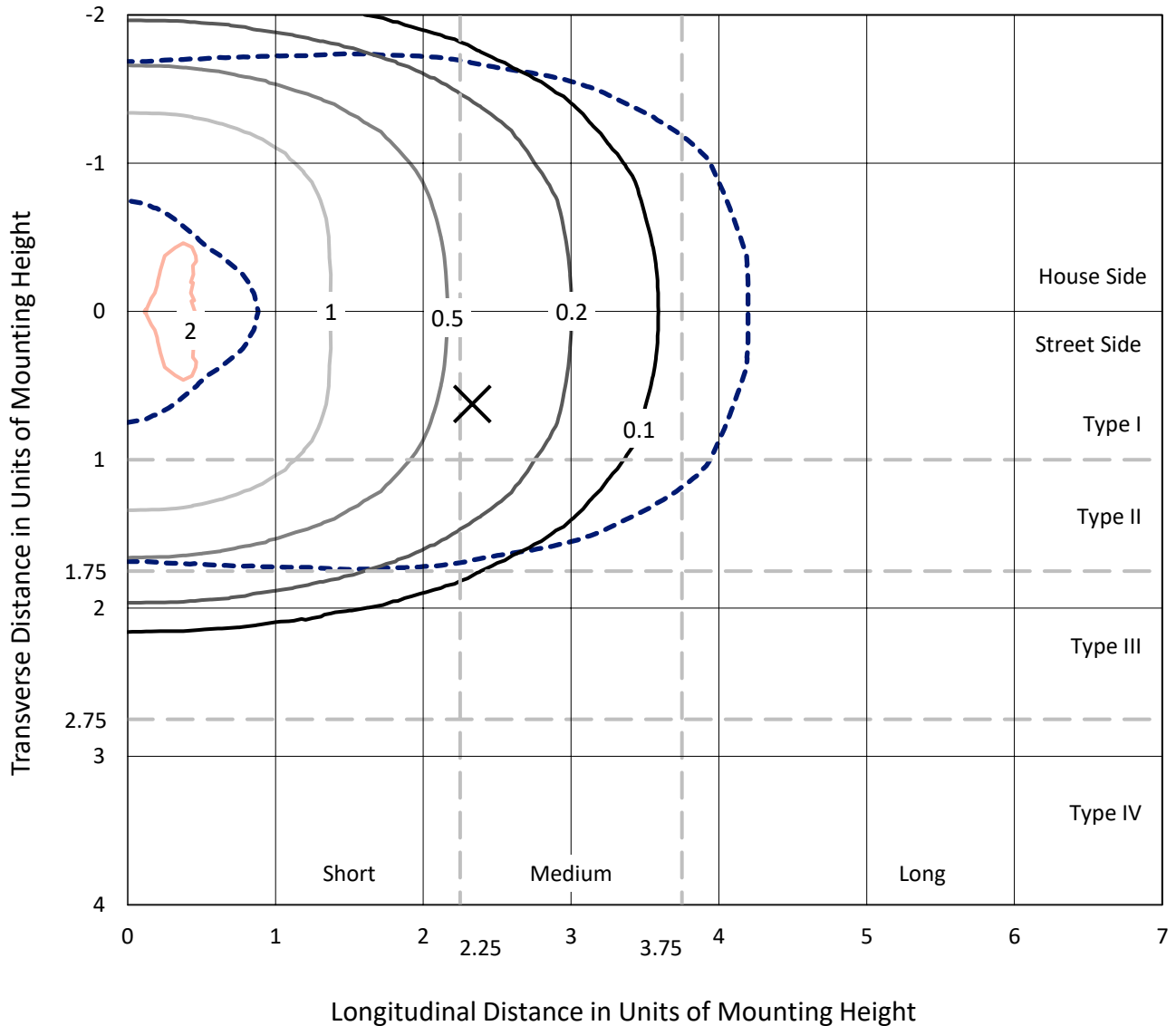
Lumens per Lamp: N/A  
Luminaire Lumens: 4178.8 lumens  
Efficiency: N/A  
Efficacy: 95.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 44  
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

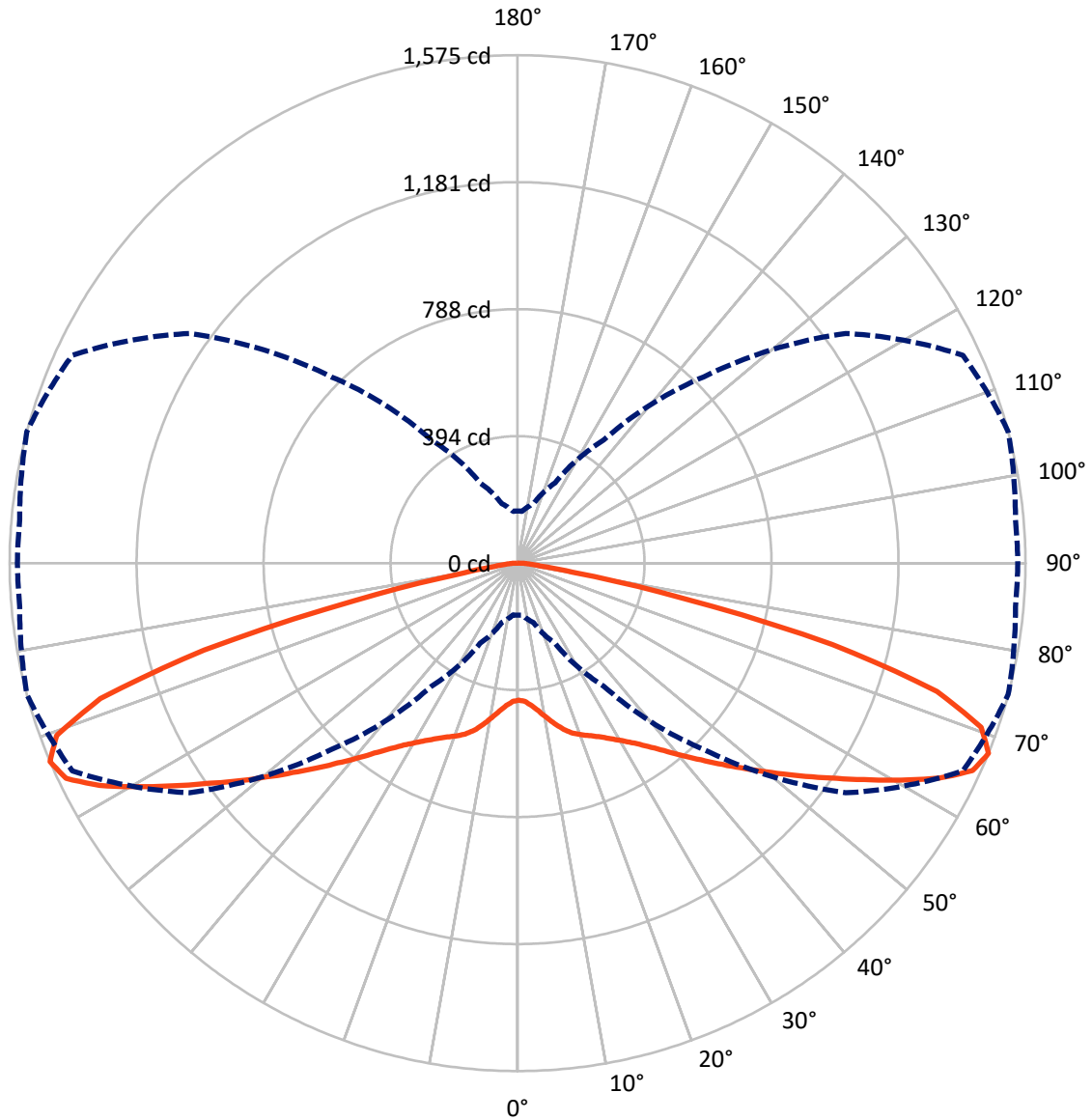
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.2 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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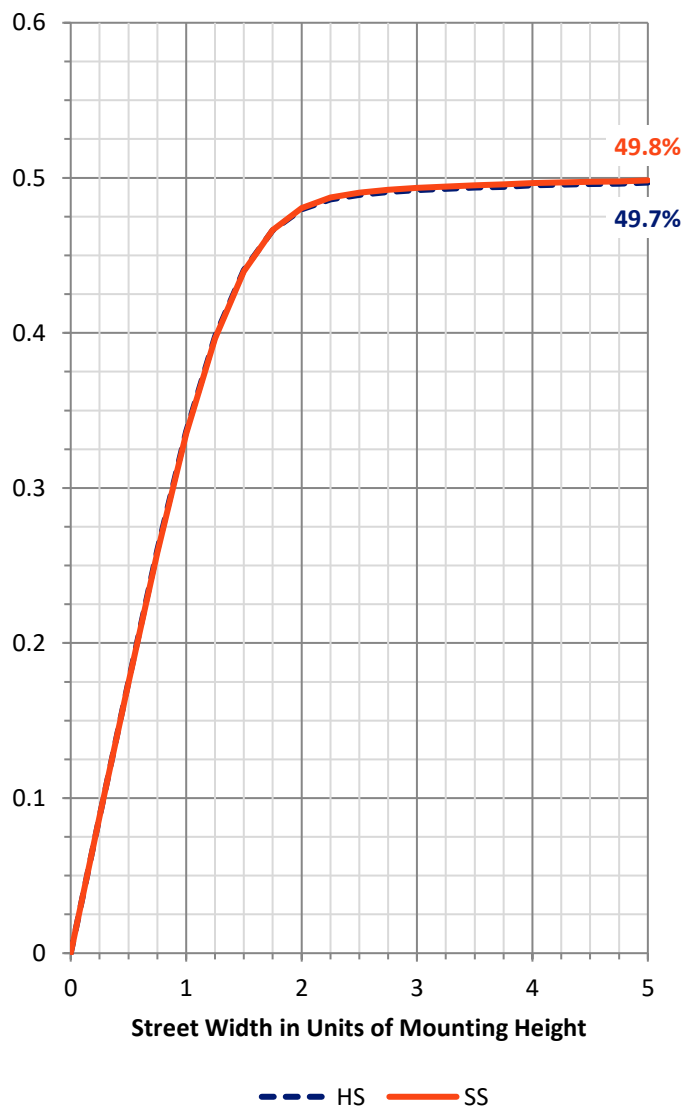
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2089.4   | 0.0    | 2089.4 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 2089.4   | 0.0    | 2089.4 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 4178.8   | 0.0    | 4178.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 42.1   | 1.0       |
| 10°-20°   | 141.8  | 3.4       |
| 20°-30°   | 276.8  | 6.6       |
| 30°-40°   | 477.5  | 11.4      |
| 40°-50°   | 773.5  | 18.5      |
| 50°-60°   | 1051.9 | 25.2      |
| 60°-70°   | 970.4  | 23.2      |
| 70°-80°   | 406.1  | 9.7       |
| 80°-90°   | 38.8   | 0.9       |
| 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°    | 4178.8 | 100.0     |
| 0°-180°   | 4178.8 | 100.0     |



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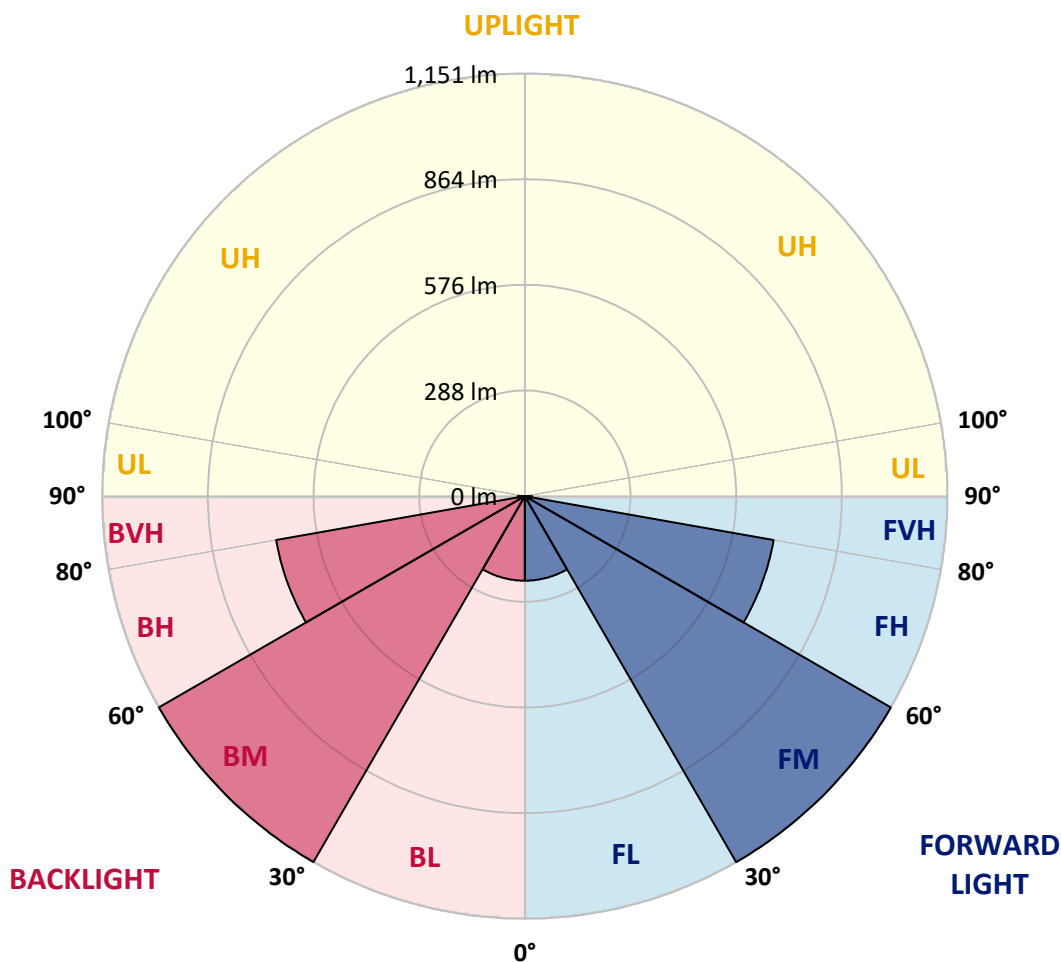
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 230.3  | 5.5       |                         |      |         |
| FM (30°-60°)   | 1151.4 | 27.6      |                         |      |         |
| FH (60°-80°)   | 688.2  | 16.5      |                         |      | G1/1800 |
| FVH (80°-90°)  | 19.4   | 0.5       |                         |      | G1/100  |
| BL (0°-30°)    | 230.3  | 5.5       | B1/500                  |      |         |
| BM (30°-60°)   | 1151.4 | 27.6      | B2/2500                 |      |         |
| BH (60°-80°)   | 688.2  | 16.5      | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 19.4   | 0.5       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 425.1  | 425.1  | 425.1  | 425.1  | 425.1  | 425.1  | 425.1  | 425.1  | 425.1  | 425.1  | 425.1  |
| 2.5°  | 422.4  | 422.4  | 423.6  | 425.1  | 425.7  | 426.9  | 427.2  | 427.2  | 429.0  | 428.7  | 429.0  |
| 5°    | 421.2  | 421.2  | 423.3  | 426.0  | 429.0  | 432.6  | 436.2  | 438.3  | 442.9  | 443.8  | 444.1  |
| 7.5°  | 422.4  | 422.7  | 425.7  | 430.2  | 435.3  | 441.9  | 448.9  | 454.6  | 462.1  | 464.8  | 466.6  |
| 10°   | 426.9  | 427.2  | 431.1  | 437.4  | 445.3  | 454.9  | 464.8  | 473.8  | 485.8  | 491.2  | 492.1  |
| 12.5° | 433.8  | 434.1  | 439.8  | 450.1  | 461.2  | 473.2  | 484.3  | 495.7  | 510.8  | 518.9  | 520.7  |
| 15°   | 444.4  | 443.5  | 452.5  | 467.5  | 483.1  | 498.1  | 508.0  | 519.2  | 535.1  | 545.6  | 548.3  |
| 17.5° | 458.8  | 459.4  | 470.5  | 489.7  | 508.9  | 524.3  | 534.2  | 540.5  | 554.3  | 565.1  | 567.8  |
| 20°   | 476.8  | 479.5  | 493.6  | 515.9  | 538.4  | 554.6  | 561.5  | 560.6  | 568.4  | 577.7  | 579.9  |
| 22.5° | 502.3  | 504.1  | 521.3  | 546.2  | 572.0  | 588.9  | 591.6  | 581.7  | 581.4  | 587.4  | 590.1  |
| 25°   | 532.4  | 533.9  | 551.9  | 580.8  | 608.1  | 625.8  | 623.1  | 606.0  | 597.0  | 597.3  | 599.1  |
| 27.5° | 567.5  | 570.5  | 589.2  | 618.6  | 646.9  | 663.1  | 659.2  | 634.2  | 616.5  | 611.1  | 609.9  |
| 30°   | 613.2  | 616.5  | 635.4  | 663.7  | 688.6  | 703.0  | 697.0  | 665.5  | 639.0  | 630.0  | 628.2  |
| 32.5° | 672.7  | 672.4  | 691.9  | 719.3  | 736.7  | 746.0  | 734.3  | 698.5  | 665.2  | 653.2  | 650.8  |
| 35°   | 734.0  | 737.0  | 756.2  | 782.7  | 795.9  | 796.5  | 777.8  | 737.6  | 697.9  | 677.2  | 672.7  |
| 37.5° | 803.1  | 804.6  | 826.8  | 851.8  | 860.5  | 855.7  | 828.0  | 783.3  | 737.6  | 715.7  | 707.8  |
| 40°   | 874.0  | 875.5  | 901.3  | 925.4  | 935.0  | 923.6  | 887.2  | 833.7  | 784.5  | 760.4  | 755.9  |
| 42.5° | 939.8  | 943.7  | 972.5  | 1000.8 | 1010.1 | 996.9  | 953.0  | 889.0  | 834.0  | 810.9  | 804.9  |
| 45°   | 994.5  | 998.7  | 1031.1 | 1067.2 | 1083.7 | 1072.9 | 1023.3 | 951.2  | 891.1  | 866.2  | 856.0  |
| 47.5° | 1035.6 | 1041.0 | 1075.6 | 1118.8 | 1151.0 | 1148.9 | 1098.1 | 1017.0 | 952.4  | 923.0  | 913.6  |
| 50°   | 1063.9 | 1069.6 | 1106.8 | 1153.4 | 1201.8 | 1218.0 | 1174.1 | 1089.7 | 1020.6 | 987.6  | 981.2  |
| 52.5° | 1066.0 | 1071.1 | 1113.7 | 1171.7 | 1236.3 | 1272.1 | 1248.9 | 1166.3 | 1095.7 | 1061.5 | 1057.0 |
| 55°   | 1019.1 | 1022.7 | 1079.5 | 1156.7 | 1250.4 | 1313.5 | 1317.1 | 1249.8 | 1175.9 | 1141.4 | 1139.3 |
| 57.5° | 911.5  | 916.6  | 984.5  | 1086.7 | 1227.0 | 1340.3 | 1376.3 | 1337.3 | 1266.7 | 1234.2 | 1232.4 |
| 60°   | 736.4  | 743.0  | 820.5  | 956.3  | 1142.3 | 1333.4 | 1426.5 | 1419.3 | 1365.8 | 1334.3 | 1333.1 |
| 62.5° | 519.5  | 521.9  | 602.7  | 752.3  | 976.4  | 1260.1 | 1450.8 | 1499.2 | 1468.6 | 1436.7 | 1438.5 |
| 65°   | 305.2  | 308.6  | 367.7  | 502.3  | 740.6  | 1091.5 | 1408.8 | 1554.8 | 1550.9 | 1521.7 | 1524.7 |
| 67.5° | 161.3  | 161.3  | 191.1  | 274.6  | 465.7  | 817.2  | 1241.4 | 1524.1 | 1575.2 | 1549.7 | 1551.2 |
| 70°   | 111.5  | 111.2  | 116.6  | 137.9  | 225.0  | 506.5  | 928.7  | 1363.7 | 1525.6 | 1516.0 | 1519.9 |
| 72.5° | 94.3   | 93.7   | 94.0   | 97.0   | 114.5  | 228.9  | 563.9  | 1050.3 | 1360.1 | 1374.8 | 1378.1 |
| 75°   | 82.6   | 81.7   | 81.1   | 80.5   | 82.0   | 104.0  | 257.2  | 648.1  | 1008.3 | 1100.8 | 1099.0 |
| 77.5° | 71.2   | 70.6   | 70.0   | 67.9   | 65.5   | 68.2   | 105.2  | 291.4  | 518.6  | 612.0  | 605.4  |
| 80°   | 58.6   | 58.6   | 59.5   | 56.5   | 52.0   | 50.2   | 62.8   | 108.8  | 172.2  | 179.7  | 165.2  |
| 82.5° | 46.0   | 46.0   | 50.5   | 46.3   | 40.9   | 36.4   | 43.6   | 58.0   | 70.0   | 56.8   | 46.3   |
| 85°   | 32.4   | 32.7   | 42.1   | 38.5   | 31.5   | 21.0   | 27.0   | 34.6   | 39.4   | 24.9   | 19.5   |
| 87.5° | 13.2   | 14.1   | 26.1   | 20.7   | 19.8   | 10.5   | 12.6   | 15.3   | 19.5   | 10.5   | 8.4    |
| 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)