

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: P672858

Luminaire Tested: **CCP-SA-2A-760-U-RW**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672858
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-RW
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ RW distribution lens
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

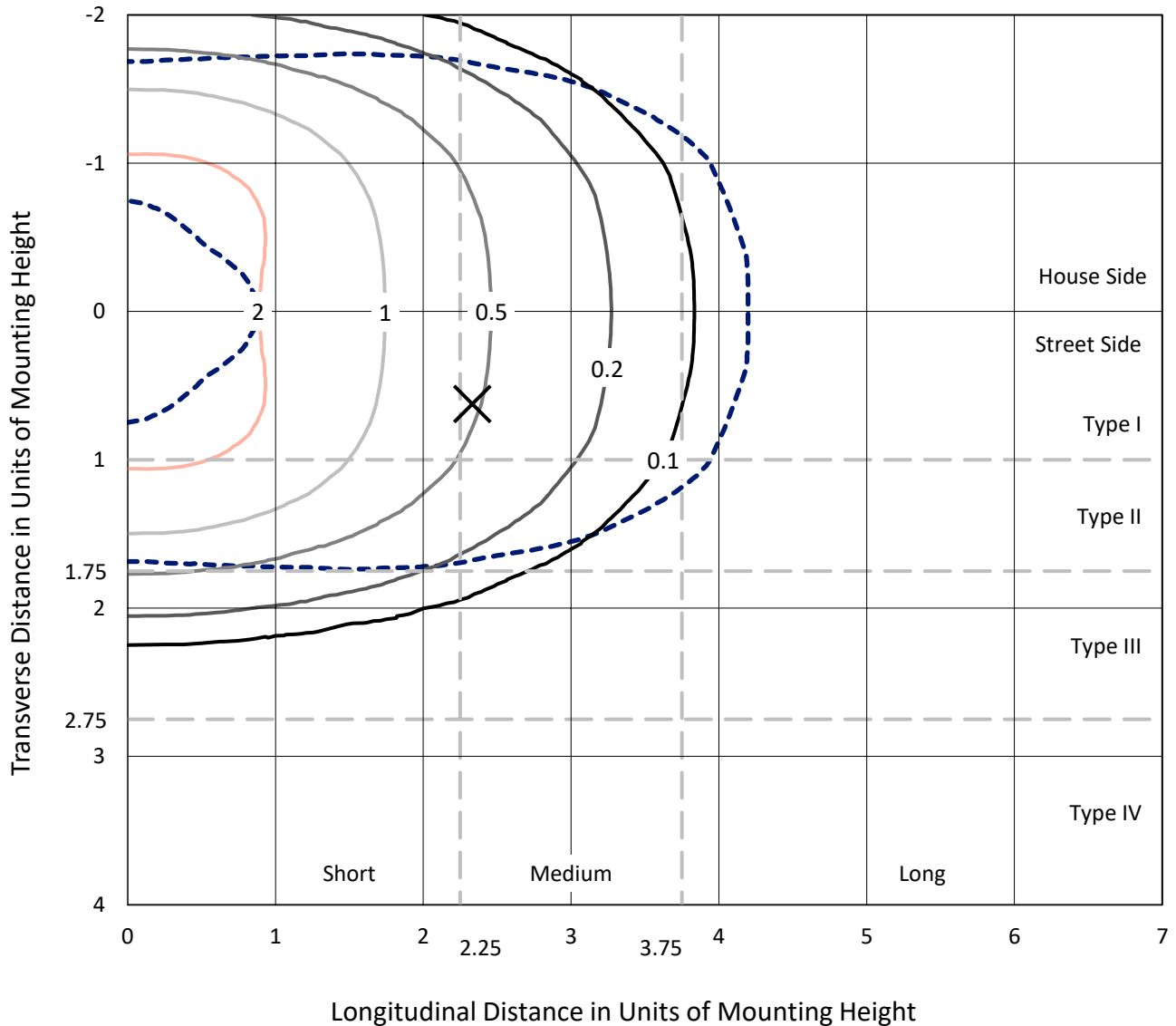
Lumens per Lamp: N/A
Luminaire Lumens: 5693.4 lumens
Efficiency: N/A
Efficacy: 157.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

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

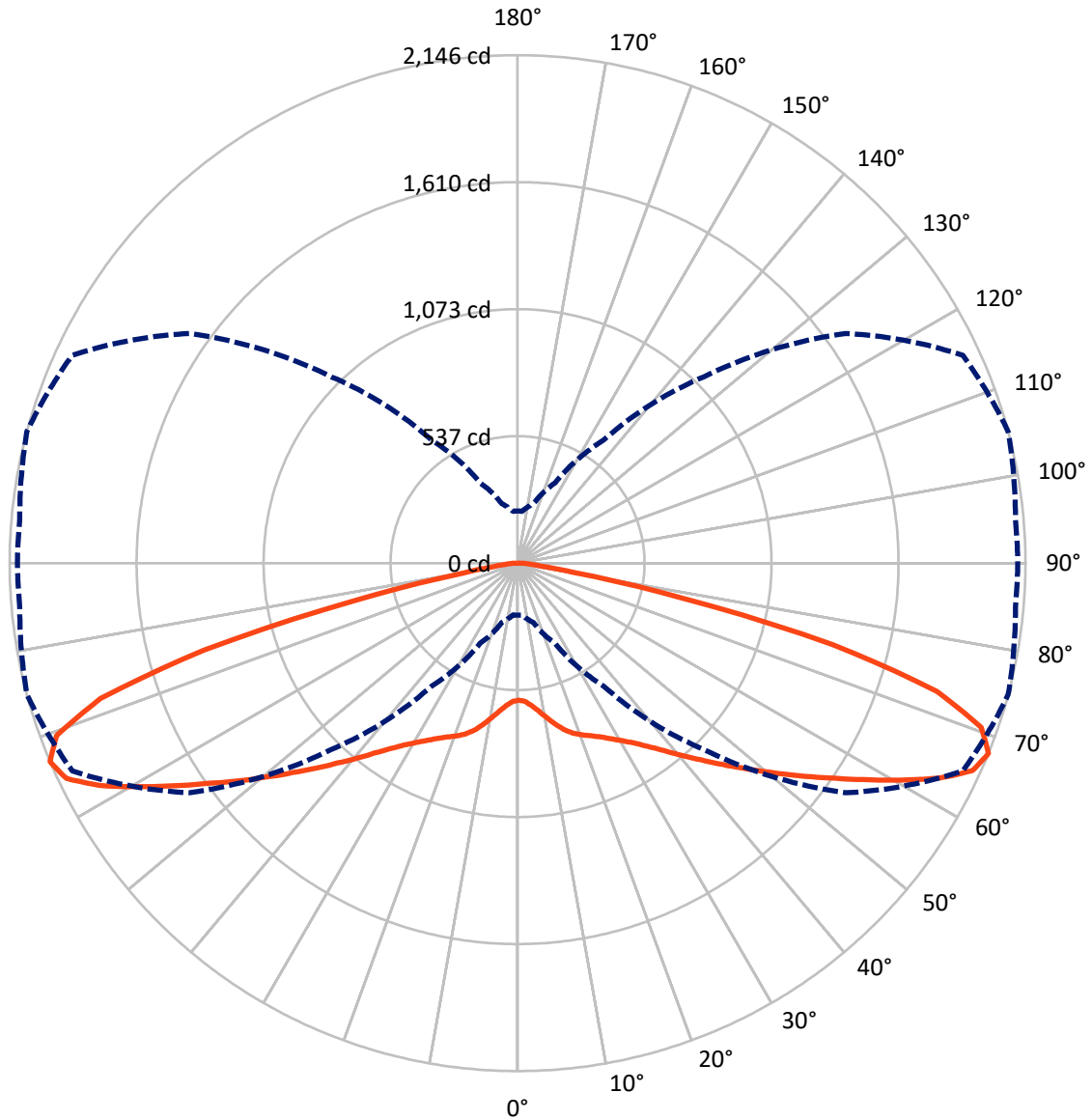
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 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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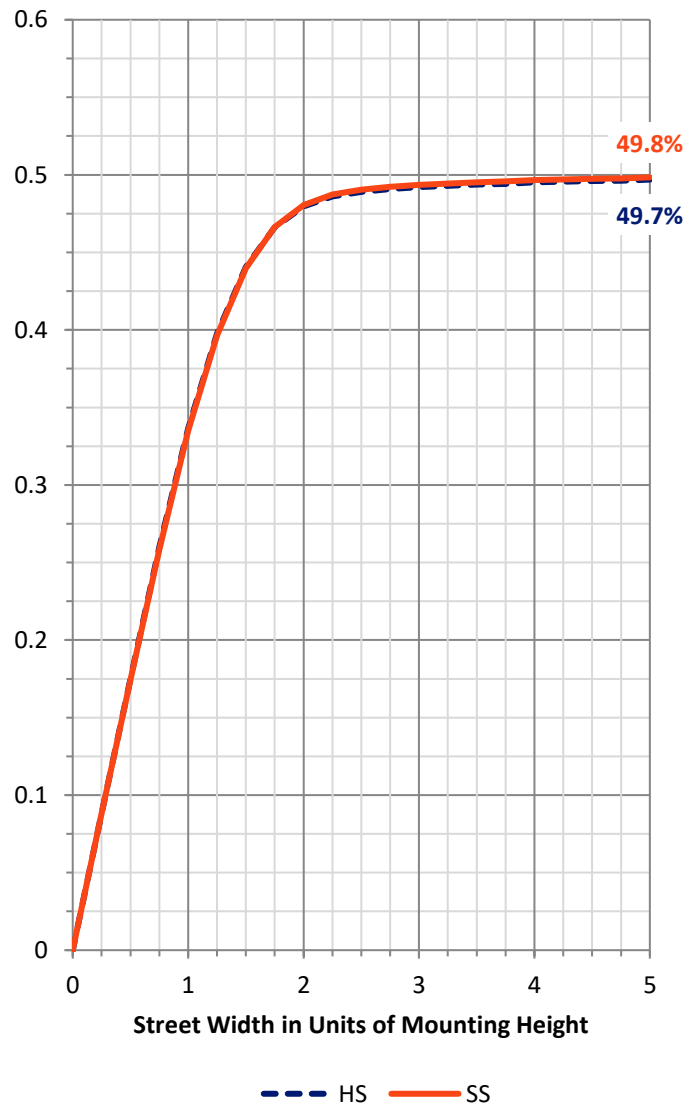
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2846.7 | 0.0 | 2846.7 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 2846.7 | 0.0 | 2846.7 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 5693.4 | 0.0 | 5693.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 57.3 | 1.0 |
| 10°-20° | 193.1 | 3.4 |
| 20°-30° | 377.1 | 6.6 |
| 30°-40° | 650.6 | 11.4 |
| 40°-50° | 1053.8 | 18.5 |
| 50°-60° | 1433.2 | 25.2 |
| 60°-70° | 1322.2 | 23.2 |
| 70°-80° | 553.2 | 9.7 |
| 80°-90° | 52.8 | 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° | 5693.4 | 100.0 |
| 0°-180° | 5693.4 | 100.0 |

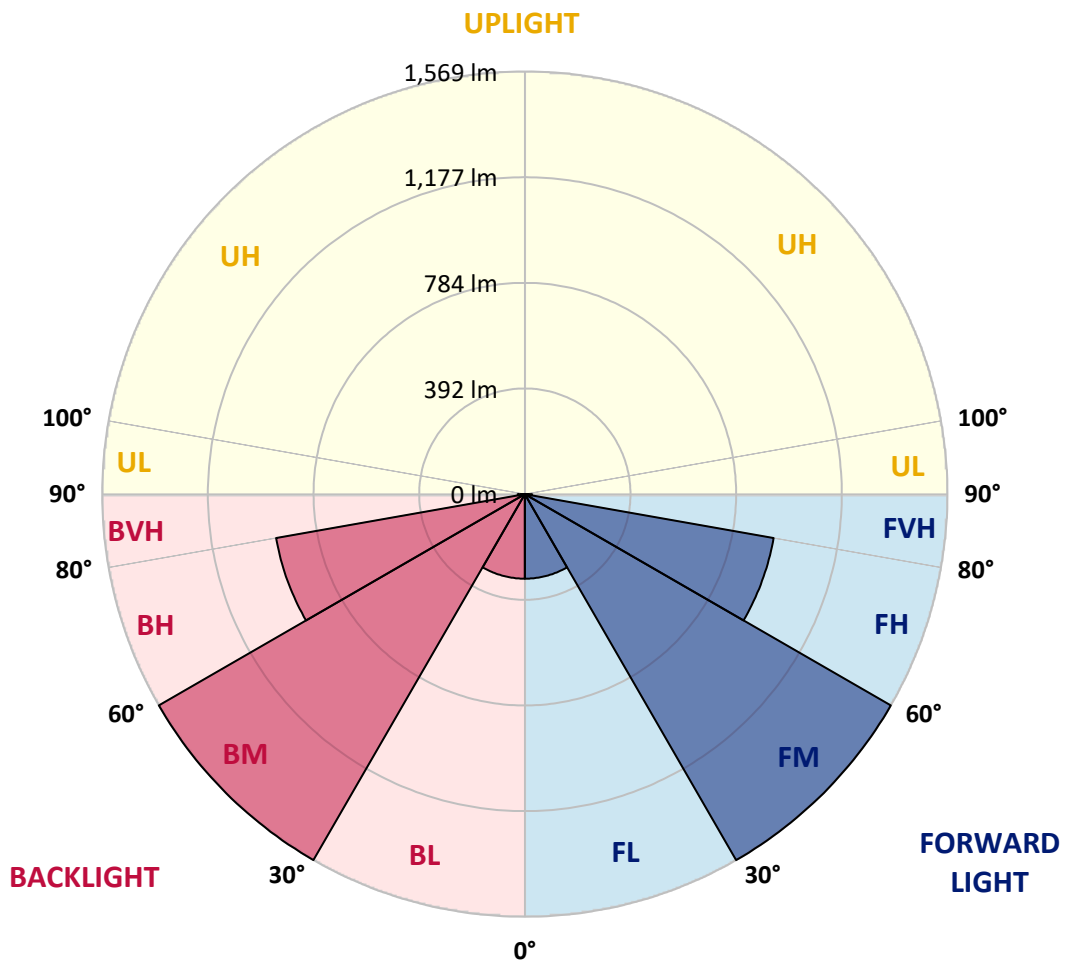


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 313.8 | 5.5 | | | |
| FM (30°-60°) | 1568.8 | 27.6 | | | |
| FH (60°-80°) | 937.7 | 16.5 | | | G1/1800 |
| FVH (80°-90°) | 26.4 | 0.5 | | | G1/100 |
| BL (0°-30°) | 313.8 | 5.5 | B1/500 | | |
| BM (30°-60°) | 1568.8 | 27.6 | B2/2500 | | |
| BH (60°-80°) | 937.7 | 16.5 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 26.4 | 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° | 579.2 | 579.2 | 579.2 | 579.2 | 579.2 | 579.2 | 579.2 | 579.2 | 579.2 | 579.2 | 579.2 |
| 2.5° | 575.5 | 575.5 | 577.2 | 579.2 | 580.0 | 581.7 | 582.1 | 582.1 | 584.5 | 584.1 | 584.5 |
| 5° | 573.9 | 573.9 | 576.8 | 580.4 | 584.5 | 589.5 | 594.4 | 597.2 | 603.4 | 604.6 | 605.0 |
| 7.5° | 575.5 | 575.9 | 580.0 | 586.2 | 593.1 | 602.1 | 611.6 | 619.3 | 629.6 | 633.3 | 635.7 |
| 10° | 581.7 | 582.1 | 587.4 | 596.0 | 606.6 | 619.7 | 633.3 | 645.5 | 661.9 | 669.3 | 670.5 |
| 12.5° | 591.1 | 591.5 | 599.3 | 613.2 | 628.3 | 644.7 | 659.9 | 675.4 | 695.9 | 706.9 | 709.4 |
| 15° | 605.4 | 604.2 | 616.5 | 636.9 | 658.2 | 678.7 | 692.2 | 707.3 | 729.0 | 743.4 | 747.0 |
| 17.5° | 625.1 | 625.9 | 641.0 | 667.2 | 693.4 | 714.3 | 727.8 | 736.4 | 755.2 | 770.0 | 773.7 |
| 20° | 649.6 | 653.3 | 672.5 | 702.8 | 733.5 | 755.6 | 765.1 | 763.8 | 774.5 | 787.2 | 790.0 |
| 22.5° | 684.4 | 686.9 | 710.2 | 744.2 | 779.4 | 802.3 | 806.0 | 792.5 | 792.1 | 800.3 | 803.9 |
| 25° | 725.4 | 727.4 | 752.0 | 791.3 | 828.5 | 852.7 | 849.0 | 825.6 | 813.4 | 813.8 | 816.2 |
| 27.5° | 773.2 | 777.3 | 802.7 | 842.8 | 881.3 | 903.4 | 898.1 | 864.1 | 840.0 | 832.6 | 831.0 |
| 30° | 835.5 | 840.0 | 865.8 | 904.2 | 938.2 | 957.9 | 949.7 | 906.7 | 870.7 | 858.4 | 855.9 |
| 32.5° | 916.5 | 916.1 | 942.7 | 980.0 | 1003.7 | 1016.4 | 1000.4 | 951.7 | 906.3 | 889.9 | 886.6 |
| 35° | 1000.0 | 1004.1 | 1030.3 | 1066.3 | 1084.3 | 1085.2 | 1059.8 | 1004.9 | 950.9 | 922.7 | 916.5 |
| 37.5° | 1094.2 | 1096.2 | 1126.5 | 1160.5 | 1172.4 | 1165.8 | 1128.1 | 1067.2 | 1004.9 | 975.1 | 964.4 |
| 40° | 1190.8 | 1192.8 | 1228.0 | 1260.8 | 1273.9 | 1258.3 | 1208.8 | 1135.9 | 1068.8 | 1036.0 | 1029.9 |
| 42.5° | 1280.4 | 1285.7 | 1325.0 | 1363.5 | 1376.2 | 1358.2 | 1298.4 | 1211.2 | 1136.3 | 1104.8 | 1096.6 |
| 45° | 1354.9 | 1360.7 | 1404.9 | 1454.0 | 1476.5 | 1461.8 | 1394.2 | 1296.0 | 1214.1 | 1180.1 | 1166.2 |
| 47.5° | 1411.0 | 1418.4 | 1465.4 | 1524.4 | 1568.2 | 1565.3 | 1496.1 | 1385.6 | 1297.6 | 1257.5 | 1244.8 |
| 50° | 1449.5 | 1457.3 | 1508.0 | 1571.5 | 1637.4 | 1659.5 | 1599.7 | 1484.7 | 1390.5 | 1345.5 | 1336.9 |
| 52.5° | 1452.3 | 1459.3 | 1517.4 | 1596.4 | 1684.4 | 1733.2 | 1701.6 | 1589.1 | 1492.9 | 1446.2 | 1440.1 |
| 55° | 1388.5 | 1393.4 | 1470.8 | 1576.0 | 1703.7 | 1789.6 | 1794.6 | 1702.9 | 1602.2 | 1555.1 | 1552.2 |
| 57.5° | 1241.9 | 1248.9 | 1341.4 | 1480.6 | 1671.8 | 1826.1 | 1875.2 | 1822.0 | 1725.8 | 1681.6 | 1679.1 |
| 60° | 1003.3 | 1012.3 | 1117.9 | 1302.9 | 1556.3 | 1816.7 | 1943.6 | 1933.7 | 1860.9 | 1817.9 | 1816.2 |
| 62.5° | 707.8 | 711.0 | 821.1 | 1025.0 | 1330.4 | 1716.8 | 1976.7 | 2042.6 | 2000.9 | 1957.5 | 1959.9 |
| 65° | 415.9 | 420.4 | 501.0 | 684.4 | 1009.0 | 1487.1 | 1919.4 | 2118.3 | 2113.0 | 2073.3 | 2077.4 |
| 67.5° | 219.8 | 219.8 | 260.3 | 374.1 | 634.5 | 1113.4 | 1691.4 | 2076.6 | 2146.2 | 2111.4 | 2113.4 |
| 70° | 151.9 | 151.5 | 158.8 | 187.9 | 306.6 | 690.1 | 1265.3 | 1858.0 | 2078.6 | 2065.5 | 2070.9 |
| 72.5° | 128.5 | 127.7 | 128.1 | 132.2 | 156.0 | 311.9 | 768.3 | 1431.1 | 1853.1 | 1873.1 | 1877.6 |
| 75° | 112.6 | 111.3 | 110.5 | 109.7 | 111.8 | 141.6 | 350.4 | 882.9 | 1373.8 | 1499.8 | 1497.4 |
| 77.5° | 97.0 | 96.2 | 95.4 | 92.5 | 89.2 | 92.9 | 143.3 | 397.1 | 706.5 | 833.8 | 824.8 |
| 80° | 79.8 | 79.8 | 81.0 | 77.0 | 70.8 | 68.4 | 85.6 | 148.2 | 234.6 | 244.8 | 225.1 |
| 82.5° | 62.6 | 62.6 | 68.8 | 63.0 | 55.7 | 49.5 | 59.4 | 79.0 | 95.4 | 77.4 | 63.0 |
| 85° | 44.2 | 44.6 | 57.3 | 52.4 | 43.0 | 28.7 | 36.8 | 47.1 | 53.6 | 34.0 | 26.6 |
| 87.5° | 18.0 | 19.2 | 35.6 | 28.2 | 27.0 | 14.3 | 17.2 | 20.9 | 26.6 | 14.3 | 11.5 |
| 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)