

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: P672644

Luminaire Tested: **CCP-SA-1C-722-U-5NQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672644
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-722-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ 5NQ
distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

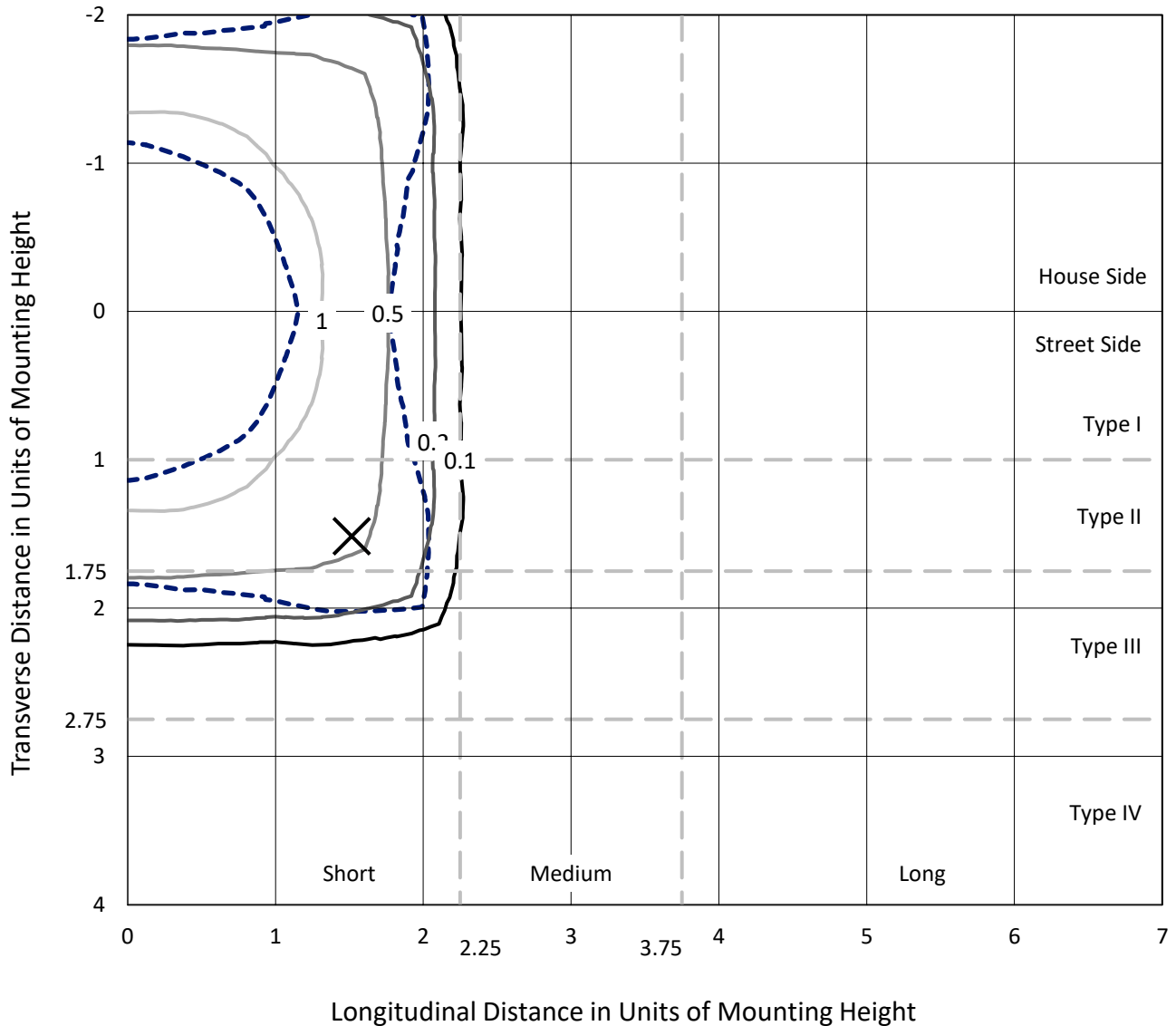
Lumens per Lamp: N/A
Luminaire Lumens: 3465.7 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 32
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

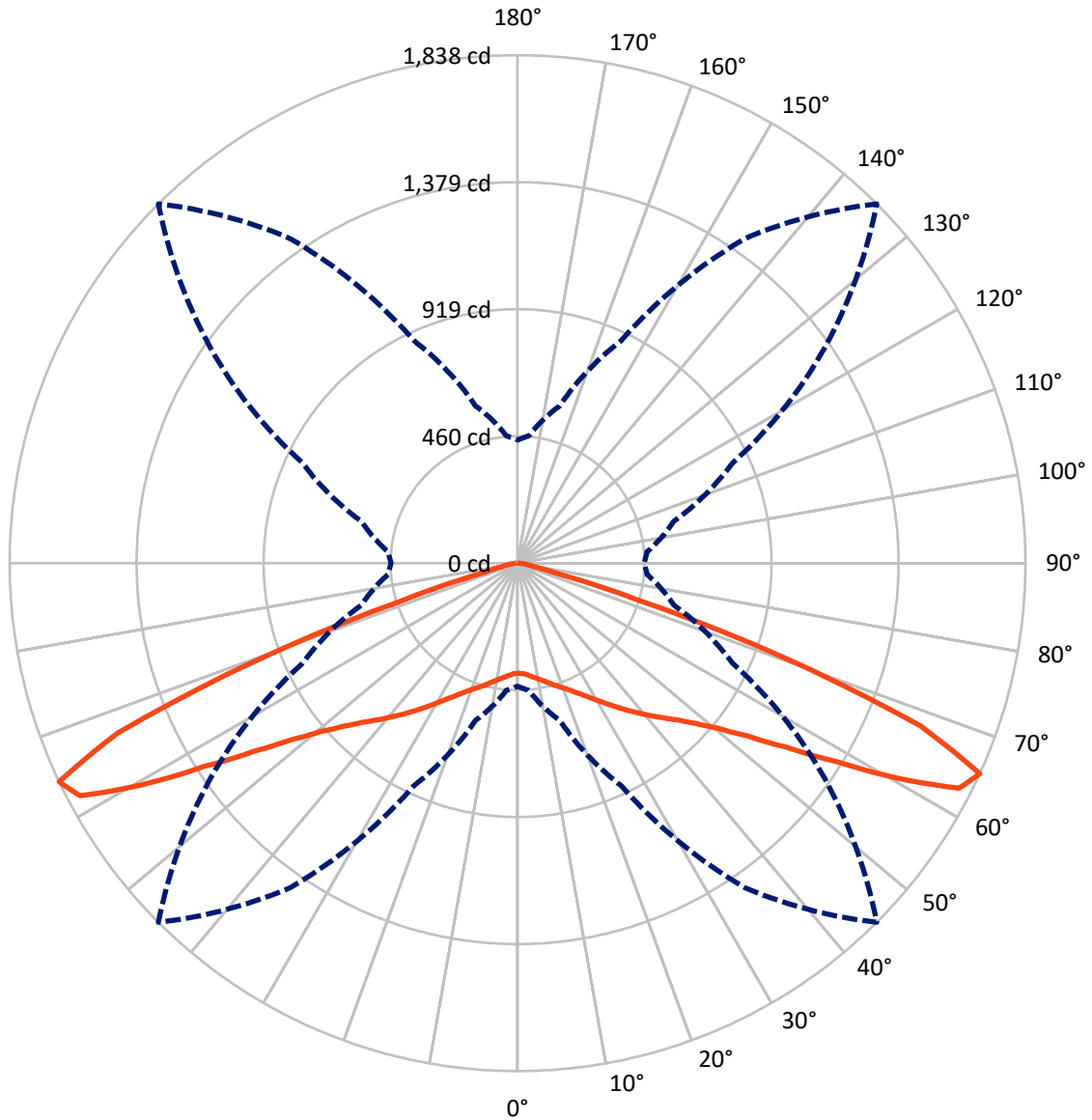
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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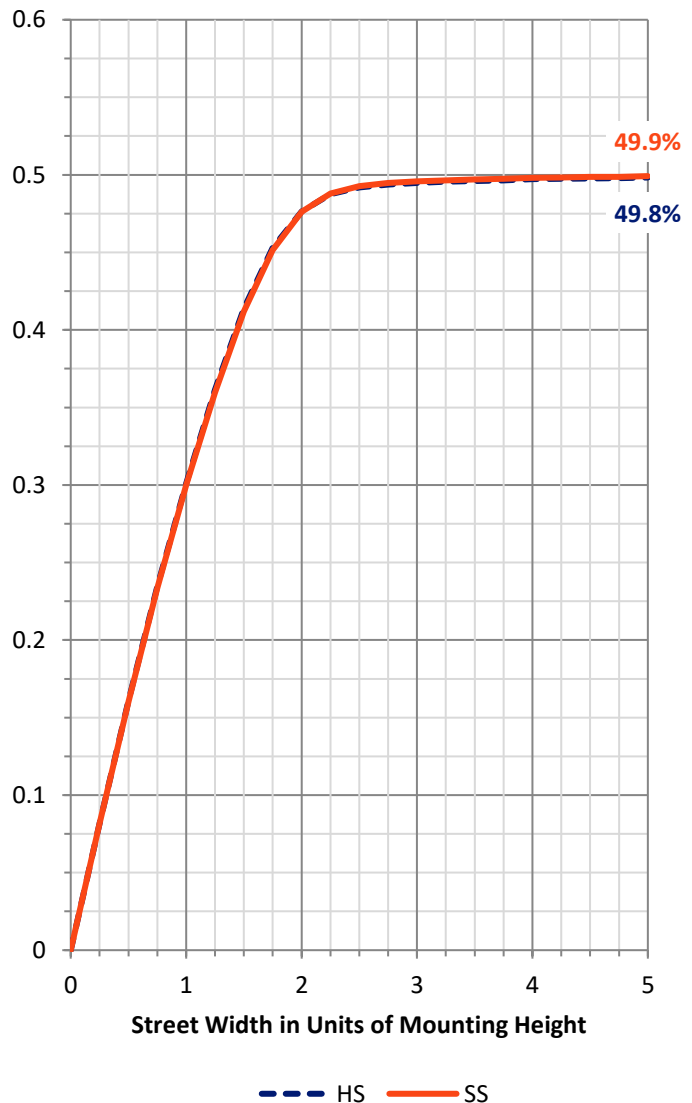
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1732.8 | 0.0 | 1732.8 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 1732.8 | 0.0 | 1732.8 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 3465.7 | 0.0 | 3465.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.5 | 1.1 |
| 10°-20° | 128.8 | 3.7 |
| 20°-30° | 244.4 | 7.1 |
| 30°-40° | 409.8 | 11.8 |
| 40°-50° | 648.5 | 18.7 |
| 50°-60° | 1018.8 | 29.4 |
| 60°-70° | 860.8 | 24.8 |
| 70°-80° | 100.2 | 2.9 |
| 80°-90° | 14.9 | 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° | 3465.7 | 100.0 |
| 0°-180° | 3465.7 | 100.0 |



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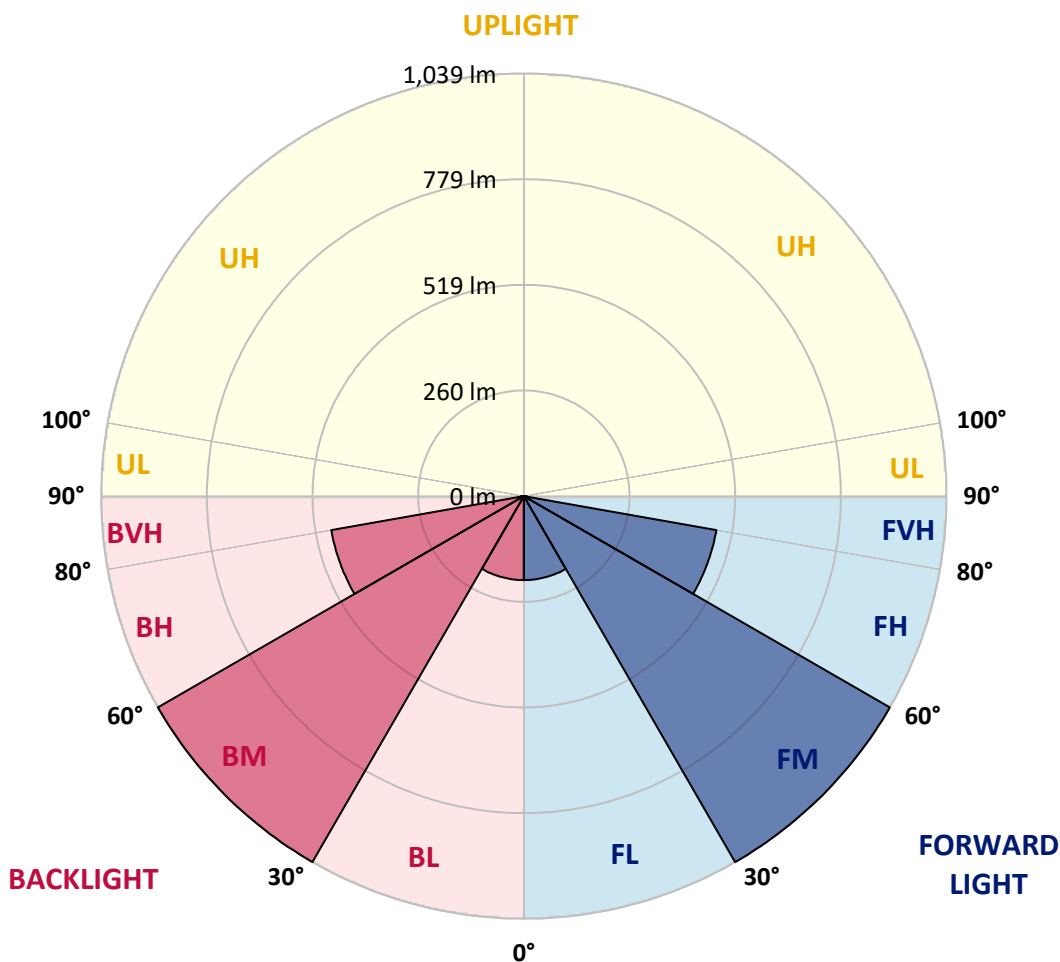
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 206.3 | 6.0 | | | |
| FM (30°-60°) | 1038.5 | 30.0 | | | |
| FH (60°-80°) | 480.5 | 13.9 | | | G0/660 |
| FVH (80°-90°) | 7.5 | 0.2 | | | G0/10 |
| BL (0°-30°) | 206.3 | 6.0 | B1/500 | | |
| BM (30°-60°) | 1038.5 | 30.0 | B2/2500 | | |
| BH (60°-80°) | 480.5 | 13.9 | B1/500 | | G0/660 |
| BVH (80°-90°) | 7.5 | 0.2 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 398.5 | 398.5 | 398.5 | 398.5 | 398.5 | 398.5 | 398.5 | 398.5 | 398.5 | 398.5 | 398.5 |
| 2.5° | 400.7 | 399.5 | 400.7 | 400.7 | 399.9 | 400.2 | 399.2 | 399.0 | 400.2 | 399.2 | 399.0 |
| 5° | 409.0 | 408.0 | 409.0 | 408.2 | 407.0 | 407.3 | 405.8 | 405.3 | 406.8 | 405.3 | 405.6 |
| 7.5° | 418.5 | 416.8 | 417.2 | 418.0 | 416.8 | 416.8 | 415.5 | 414.8 | 415.5 | 414.1 | 415.1 |
| 10° | 426.5 | 425.0 | 425.8 | 426.7 | 426.5 | 427.2 | 426.0 | 425.5 | 424.8 | 423.1 | 424.6 |
| 12.5° | 437.0 | 436.5 | 437.5 | 438.7 | 438.2 | 439.2 | 436.5 | 435.8 | 435.5 | 433.6 | 435.3 |
| 15° | 450.6 | 449.4 | 451.1 | 452.6 | 451.8 | 453.5 | 451.3 | 450.4 | 449.2 | 446.7 | 448.2 |
| 17.5° | 464.3 | 463.3 | 465.7 | 466.4 | 466.7 | 468.2 | 466.4 | 465.0 | 464.5 | 462.8 | 461.8 |
| 20° | 480.6 | 479.4 | 481.3 | 482.8 | 481.5 | 483.3 | 482.5 | 481.5 | 481.1 | 478.4 | 478.1 |
| 22.5° | 498.8 | 497.1 | 500.1 | 501.8 | 500.1 | 501.8 | 500.3 | 500.1 | 500.3 | 496.4 | 496.9 |
| 25° | 519.3 | 519.5 | 522.5 | 523.7 | 522.7 | 523.7 | 521.5 | 523.0 | 522.2 | 518.1 | 516.6 |
| 27.5° | 545.6 | 544.6 | 547.8 | 551.5 | 549.0 | 549.0 | 548.0 | 549.5 | 549.3 | 545.4 | 544.4 |
| 30° | 576.3 | 576.1 | 580.7 | 582.9 | 579.5 | 578.0 | 577.8 | 581.4 | 581.7 | 577.5 | 575.8 |
| 32.5° | 608.4 | 608.4 | 614.1 | 616.7 | 611.9 | 610.9 | 609.9 | 614.8 | 614.1 | 608.4 | 604.8 |
| 35° | 643.8 | 642.3 | 649.9 | 653.8 | 648.9 | 646.0 | 645.5 | 649.9 | 648.9 | 641.1 | 636.7 |
| 37.5° | 678.6 | 679.6 | 688.3 | 692.7 | 686.9 | 683.2 | 684.4 | 687.4 | 687.6 | 679.1 | 674.5 |
| 40° | 721.2 | 721.5 | 732.4 | 735.8 | 728.3 | 722.7 | 724.4 | 731.0 | 730.5 | 720.0 | 714.2 |
| 42.5° | 769.0 | 768.0 | 781.6 | 784.6 | 774.3 | 763.6 | 768.7 | 779.0 | 781.4 | 769.7 | 763.6 |
| 45° | 820.1 | 821.6 | 835.7 | 838.9 | 822.8 | 809.2 | 820.1 | 835.5 | 838.6 | 826.0 | 818.4 |
| 47.5° | 882.2 | 883.9 | 901.0 | 902.2 | 883.9 | 866.2 | 880.8 | 900.7 | 902.0 | 884.4 | 875.7 |
| 50° | 953.1 | 959.0 | 978.0 | 980.4 | 962.4 | 939.5 | 960.4 | 978.2 | 973.6 | 950.2 | 942.1 |
| 52.5° | 1033.5 | 1038.1 | 1067.8 | 1078.1 | 1062.2 | 1037.6 | 1054.4 | 1065.4 | 1050.5 | 1019.8 | 1007.4 |
| 55° | 1101.9 | 1109.7 | 1149.2 | 1180.4 | 1192.3 | 1173.8 | 1171.8 | 1155.8 | 1114.4 | 1067.6 | 1054.7 |
| 57.5° | 1121.2 | 1128.7 | 1189.9 | 1270.2 | 1341.1 | 1350.4 | 1307.5 | 1226.9 | 1137.7 | 1065.6 | 1052.5 |
| 60° | 1043.0 | 1053.2 | 1142.6 | 1294.8 | 1498.2 | 1582.0 | 1427.1 | 1233.0 | 1077.1 | 980.4 | 963.8 |
| 62.5° | 819.1 | 838.1 | 953.6 | 1192.3 | 1561.6 | 1793.0 | 1476.3 | 1128.0 | 894.2 | 779.9 | 758.0 |
| 65° | 445.5 | 461.8 | 589.2 | 888.6 | 1433.2 | 1838.0 | 1355.7 | 858.8 | 584.8 | 470.1 | 458.2 |
| 67.5° | 167.1 | 179.0 | 237.5 | 439.2 | 1013.3 | 1571.3 | 1029.1 | 491.8 | 265.5 | 190.5 | 173.7 |
| 70° | 71.1 | 72.6 | 86.0 | 153.0 | 460.6 | 1022.3 | 526.9 | 167.1 | 88.7 | 71.6 | 69.7 |
| 72.5° | 51.2 | 51.4 | 55.0 | 67.7 | 140.3 | 448.4 | 159.3 | 70.1 | 54.1 | 48.7 | 48.7 |
| 75° | 40.9 | 41.2 | 43.4 | 49.0 | 66.3 | 132.0 | 68.7 | 49.2 | 41.9 | 38.2 | 37.8 |
| 77.5° | 32.2 | 32.6 | 34.8 | 38.2 | 44.3 | 60.4 | 46.5 | 38.7 | 33.6 | 30.2 | 29.7 |
| 80° | 23.9 | 24.6 | 27.5 | 29.2 | 31.2 | 40.2 | 33.9 | 30.2 | 26.8 | 23.1 | 22.4 |
| 82.5° | 15.8 | 16.6 | 20.5 | 21.7 | 21.4 | 25.3 | 23.4 | 23.1 | 20.5 | 15.3 | 14.6 |
| 85° | 9.5 | 10.0 | 13.2 | 14.1 | 13.2 | 12.4 | 14.9 | 16.1 | 14.4 | 10.0 | 9.3 |
| 87.5° | 4.1 | 4.1 | 5.8 | 6.1 | 5.8 | 4.6 | 7.1 | 8.3 | 8.5 | 5.1 | 4.6 |
| 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)