

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: P672819

Luminaire Tested: **CCP-SA-1A-735-U-RW**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672819
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-735-U-RW
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ RW distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

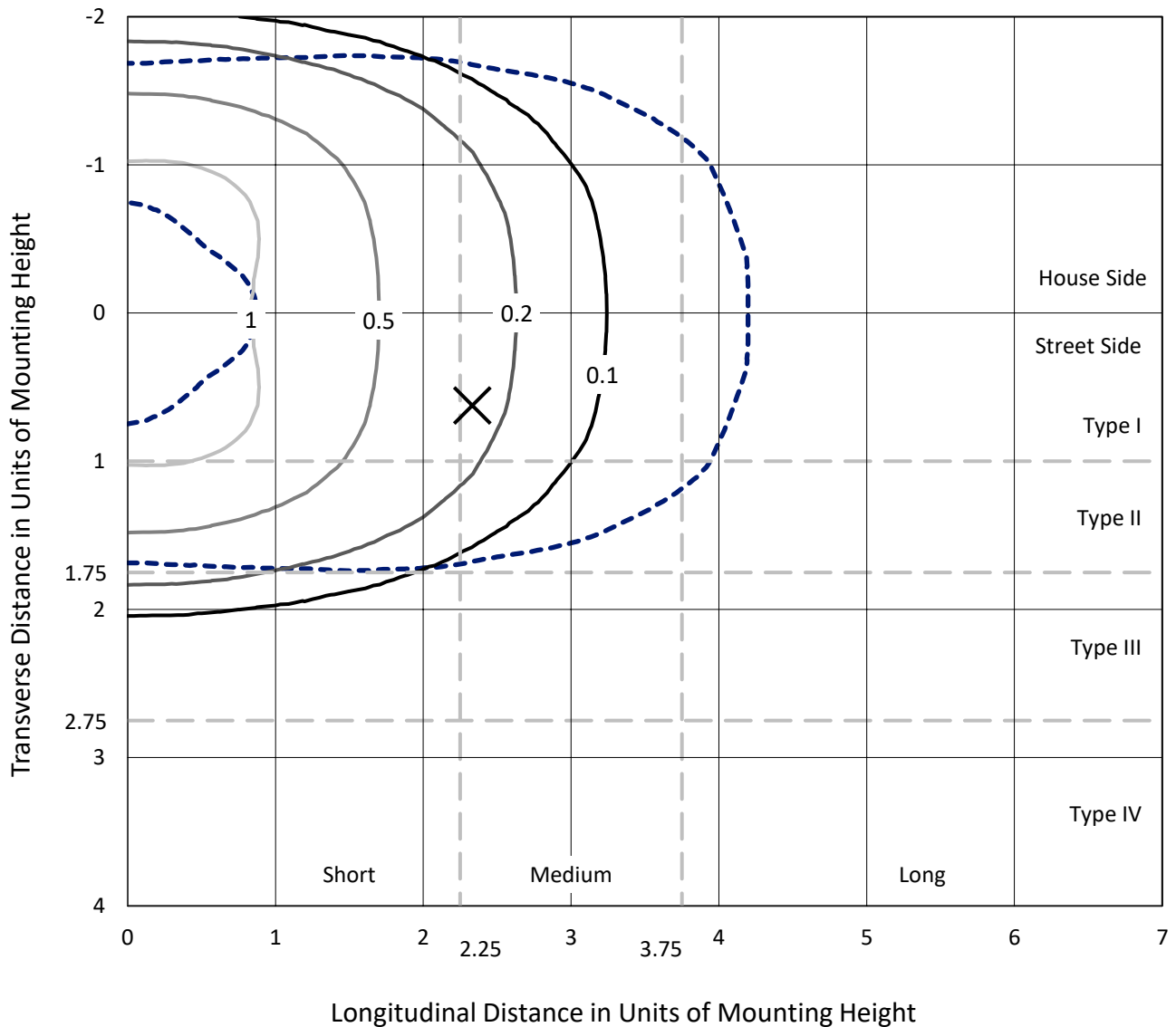
Lumens per Lamp: N/A
Luminaire Lumens: 2744.9 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 18
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

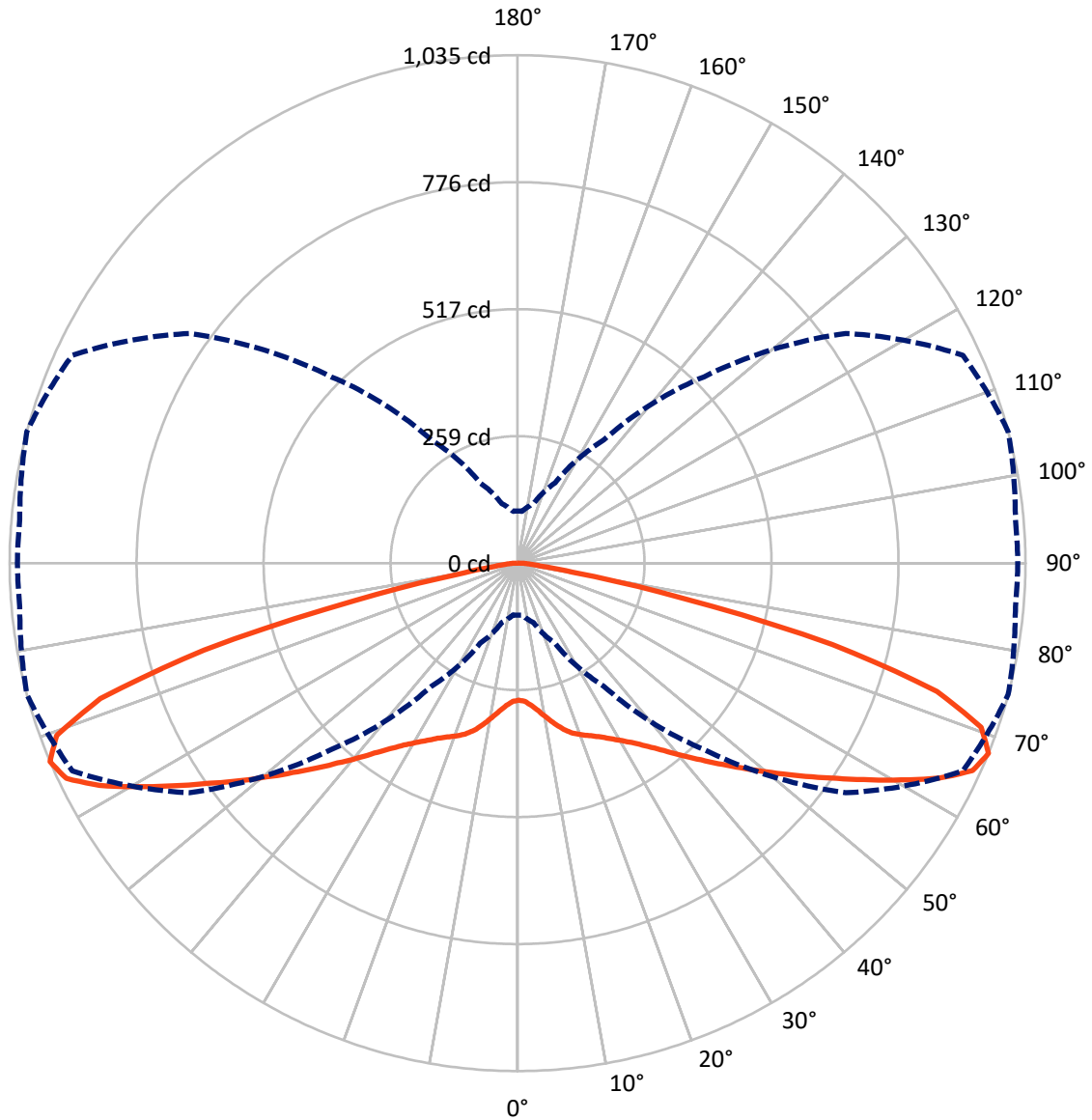
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.4 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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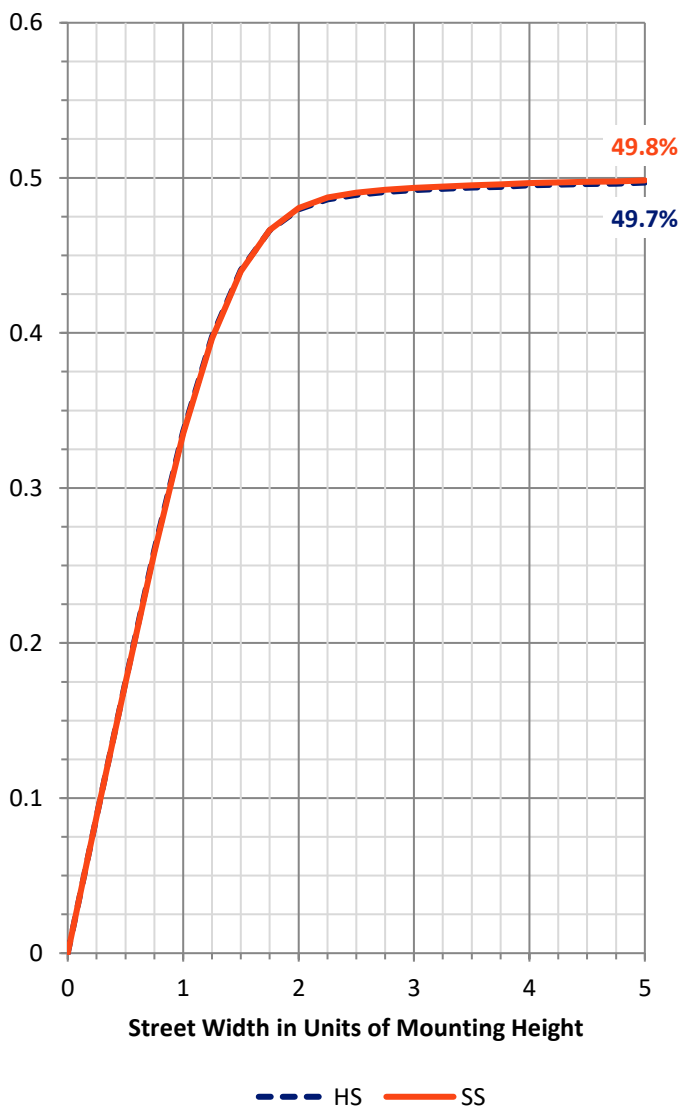
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1372.4 | 0.0 | 1372.4 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 1372.4 | 0.0 | 1372.4 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 2744.9 | 0.0 | 2744.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 27.6 | 1.0 |
| 10°-20° | 93.1 | 3.4 |
| 20°-30° | 181.8 | 6.6 |
| 30°-40° | 313.6 | 11.4 |
| 40°-50° | 508.1 | 18.5 |
| 50°-60° | 691.0 | 25.2 |
| 60°-70° | 637.4 | 23.2 |
| 70°-80° | 266.7 | 9.7 |
| 80°-90° | 25.5 | 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° | 2744.9 | 100.0 |
| 0°-180° | 2744.9 | 100.0 |



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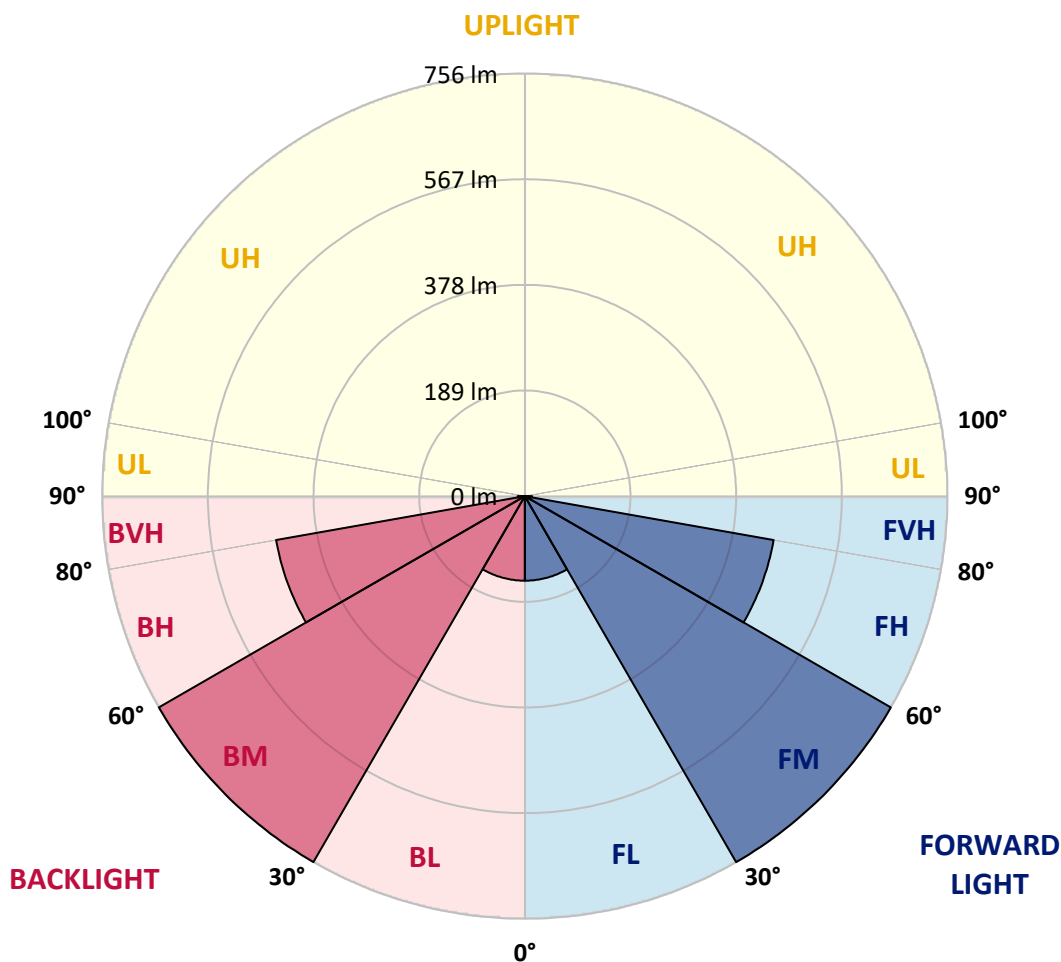
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 151.3 | 5.5 | | | |
| FM (30°-60°) | 756.3 | 27.6 | | | |
| FH (60°-80°) | 452.1 | 16.5 | | | G0/660 |
| FVH (80°-90°) | 12.7 | 0.5 | | | G1/100 |
| BL (0°-30°) | 151.3 | 5.5 | B1/500 | | |
| BM (30°-60°) | 756.3 | 27.6 | B1/1000 | | |
| BH (60°-80°) | 452.1 | 16.5 | B1/500 | | G1/500 |
| BVH (80°-90°) | 12.7 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0° | 279.2 | 279.2 | 279.2 | 279.2 | 279.2 | 279.2 | 279.2 | 279.2 | 279.2 | 279.2 | 279.2 |
| 2.5° | 277.5 | 277.5 | 278.3 | 279.2 | 279.6 | 280.4 | 280.6 | 280.6 | 281.8 | 281.6 | 281.8 |
| 5° | 276.7 | 276.7 | 278.1 | 279.8 | 281.8 | 284.2 | 286.5 | 287.9 | 290.9 | 291.5 | 291.7 |
| 7.5° | 277.5 | 277.7 | 279.6 | 282.6 | 286.0 | 290.3 | 294.8 | 298.6 | 303.5 | 305.3 | 306.5 |
| 10° | 280.4 | 280.6 | 283.2 | 287.3 | 292.5 | 298.8 | 305.3 | 311.2 | 319.1 | 322.7 | 323.3 |
| 12.5° | 285.0 | 285.2 | 288.9 | 295.6 | 302.9 | 310.8 | 318.1 | 325.6 | 335.5 | 340.8 | 342.0 |
| 15° | 291.9 | 291.3 | 297.2 | 307.1 | 317.3 | 327.2 | 333.7 | 341.0 | 351.5 | 358.4 | 360.2 |
| 17.5° | 301.3 | 301.7 | 309.0 | 321.7 | 334.3 | 344.4 | 350.9 | 355.0 | 364.1 | 371.2 | 373.0 |
| 20° | 313.2 | 315.0 | 324.2 | 338.8 | 353.6 | 364.3 | 368.8 | 368.3 | 373.4 | 379.5 | 380.9 |
| 22.5° | 330.0 | 331.1 | 342.4 | 358.8 | 375.7 | 386.8 | 388.6 | 382.1 | 381.9 | 385.8 | 387.6 |
| 25° | 349.7 | 350.7 | 362.5 | 381.5 | 399.4 | 411.1 | 409.3 | 398.0 | 392.1 | 392.3 | 393.5 |
| 27.5° | 372.8 | 374.8 | 387.0 | 406.3 | 424.9 | 435.5 | 433.0 | 416.6 | 405.0 | 401.4 | 400.6 |
| 30° | 402.8 | 405.0 | 417.4 | 435.9 | 452.3 | 461.8 | 457.8 | 437.1 | 419.8 | 413.8 | 412.7 |
| 32.5° | 441.9 | 441.7 | 454.5 | 472.4 | 483.9 | 490.0 | 482.3 | 458.8 | 436.9 | 429.0 | 427.5 |
| 35° | 482.1 | 484.1 | 496.7 | 514.1 | 522.8 | 523.2 | 510.9 | 484.5 | 458.4 | 444.8 | 441.9 |
| 37.5° | 527.5 | 528.5 | 543.1 | 559.5 | 565.2 | 562.0 | 543.9 | 514.5 | 484.5 | 470.1 | 465.0 |
| 40° | 574.1 | 575.1 | 592.0 | 607.8 | 614.1 | 606.6 | 582.8 | 547.6 | 515.3 | 499.5 | 496.5 |
| 42.5° | 617.3 | 619.9 | 638.8 | 657.4 | 663.5 | 654.8 | 626.0 | 584.0 | 547.8 | 532.6 | 528.7 |
| 45° | 653.2 | 656.0 | 677.3 | 701.0 | 711.8 | 704.7 | 672.2 | 624.8 | 585.3 | 569.0 | 562.2 |
| 47.5° | 680.3 | 683.8 | 706.5 | 734.9 | 756.0 | 754.7 | 721.3 | 668.0 | 625.6 | 606.3 | 600.1 |
| 50° | 698.8 | 702.6 | 727.0 | 757.6 | 789.4 | 800.0 | 771.2 | 715.8 | 670.4 | 648.7 | 644.5 |
| 52.5° | 700.2 | 703.5 | 731.6 | 769.7 | 812.1 | 835.6 | 820.4 | 766.1 | 719.7 | 697.2 | 694.3 |
| 55° | 669.4 | 671.8 | 709.1 | 759.8 | 821.4 | 862.8 | 865.2 | 821.0 | 772.4 | 749.7 | 748.3 |
| 57.5° | 598.8 | 602.1 | 646.7 | 713.8 | 806.0 | 880.4 | 904.0 | 878.4 | 832.0 | 810.7 | 809.5 |
| 60° | 483.7 | 488.0 | 539.0 | 628.2 | 750.3 | 875.8 | 937.0 | 932.3 | 897.1 | 876.4 | 875.6 |
| 62.5° | 341.2 | 342.8 | 395.9 | 494.2 | 641.4 | 827.7 | 953.0 | 984.8 | 964.6 | 943.7 | 944.9 |
| 65° | 200.5 | 202.7 | 241.6 | 330.0 | 486.5 | 717.0 | 925.4 | 1021.3 | 1018.7 | 999.6 | 1001.5 |
| 67.5° | 106.0 | 106.0 | 125.5 | 180.4 | 305.9 | 536.8 | 815.4 | 1001.1 | 1034.7 | 1017.9 | 1018.9 |
| 70° | 73.2 | 73.0 | 76.6 | 90.6 | 147.8 | 332.7 | 610.0 | 895.8 | 1002.1 | 995.8 | 998.4 |
| 72.5° | 62.0 | 61.6 | 61.8 | 63.7 | 75.2 | 150.4 | 370.4 | 689.9 | 893.4 | 903.1 | 905.2 |
| 75° | 54.3 | 53.7 | 53.3 | 52.9 | 53.9 | 68.3 | 168.9 | 425.7 | 662.3 | 723.1 | 721.9 |
| 77.5° | 46.8 | 46.4 | 46.0 | 44.6 | 43.0 | 44.8 | 69.1 | 191.4 | 340.6 | 402.0 | 397.7 |
| 80° | 38.5 | 38.5 | 39.1 | 37.1 | 34.1 | 33.0 | 41.2 | 71.4 | 113.1 | 118.0 | 108.5 |
| 82.5° | 30.2 | 30.2 | 33.2 | 30.4 | 26.8 | 23.9 | 28.6 | 38.1 | 46.0 | 37.3 | 30.4 |
| 85° | 21.3 | 21.5 | 27.6 | 25.3 | 20.7 | 13.8 | 17.8 | 22.7 | 25.9 | 16.4 | 12.8 |
| 87.5° | 8.7 | 9.3 | 17.2 | 13.6 | 13.0 | 6.9 | 8.3 | 10.1 | 12.8 | 6.9 | 5.5 |
| 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)