

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: STREETWORKS

Report Number: P597269

Luminaire Tested: **PMM-SA2A-722-U-5WQ**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P597269
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-4)
Test Lab: INNOVATIONS CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA2A-722-U-5WQ
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6268 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

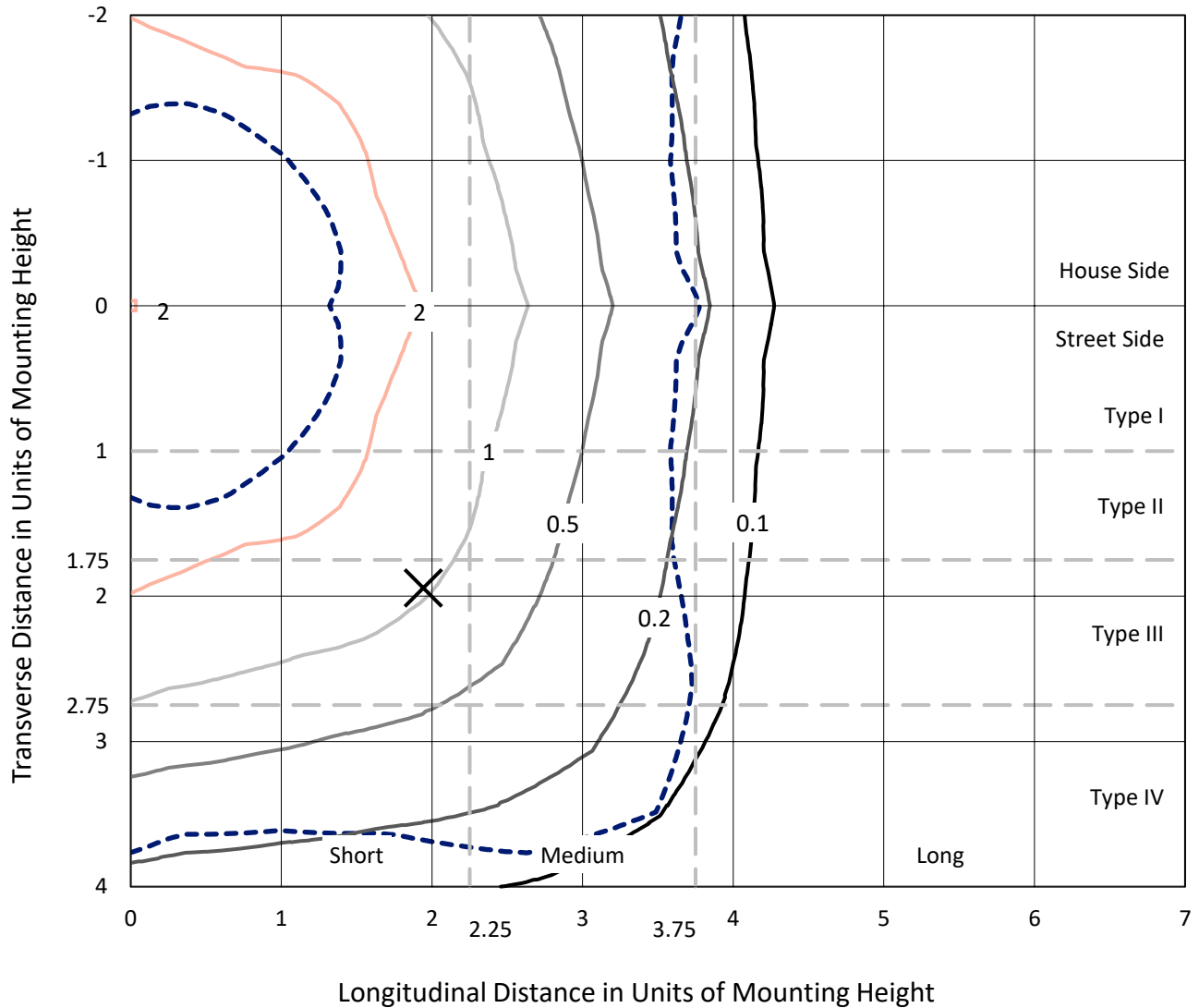
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

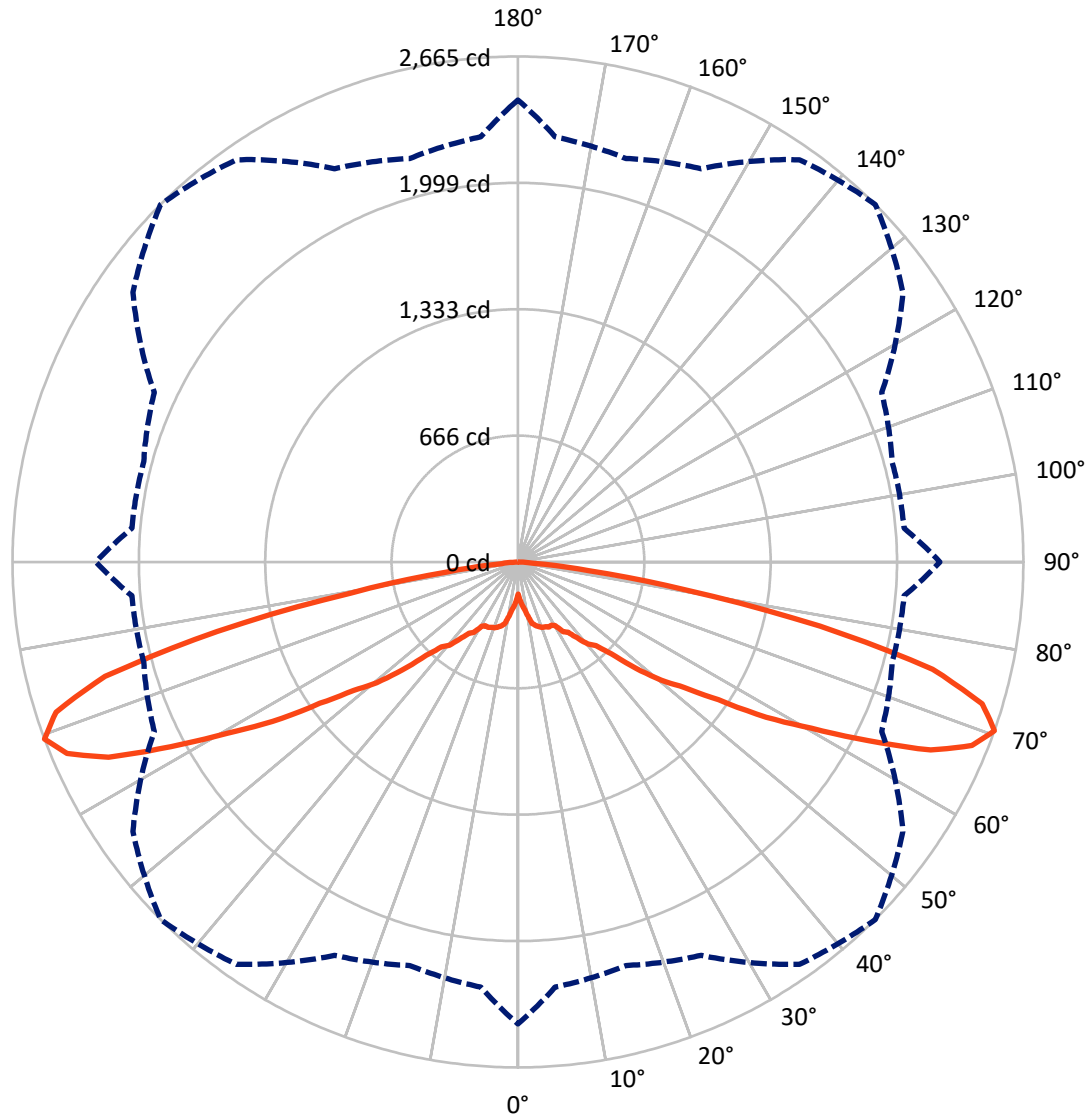
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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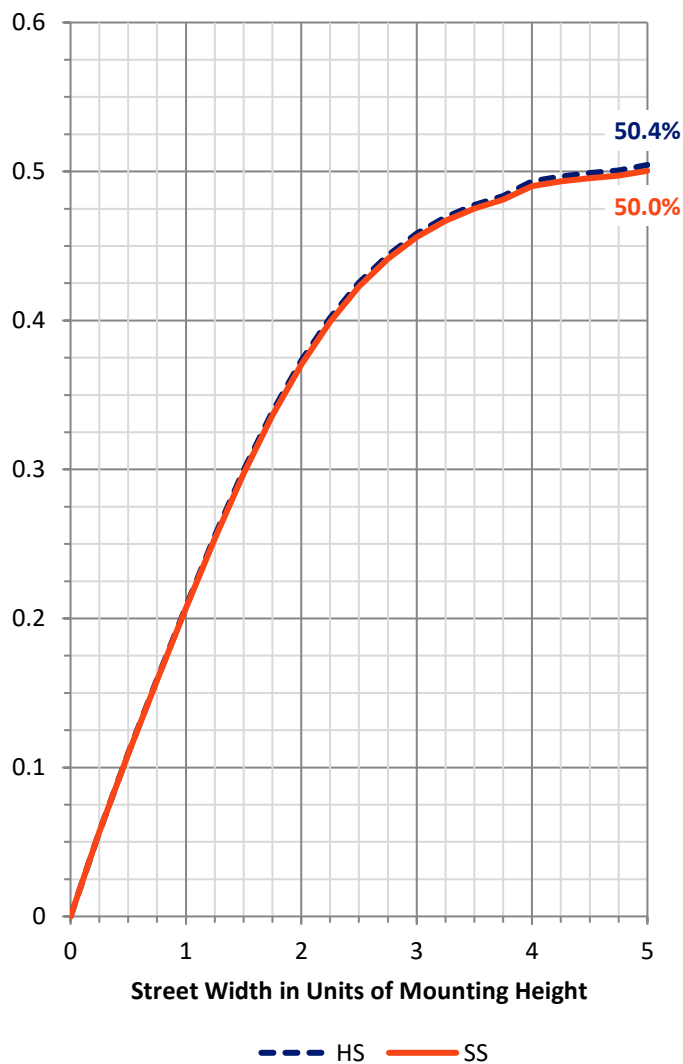
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3134.0 | 0.0 | 3134.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3134.0 | 0.0 | 3134.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 6268.0 | 0.0 | 6268.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 24.6 | 0.4 |
| 10°-20° | 98.7 | 1.6 |
| 20°-30° | 186.5 | 3.0 |
| 30°-40° | 324.9 | 5.2 |
| 40°-50° | 621.2 | 9.9 |
| 50°-60° | 1204.5 | 19.2 |
| 60°-70° | 2109.1 | 33.6 |
| 70°-80° | 1585.1 | 25.3 |
| 80°-90° | 113.4 | 1.8 |
| 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° | 6268.0 | 100.0 |
| 0°-180° | 6268.0 | 100.0 |

Coefficient of Utilization



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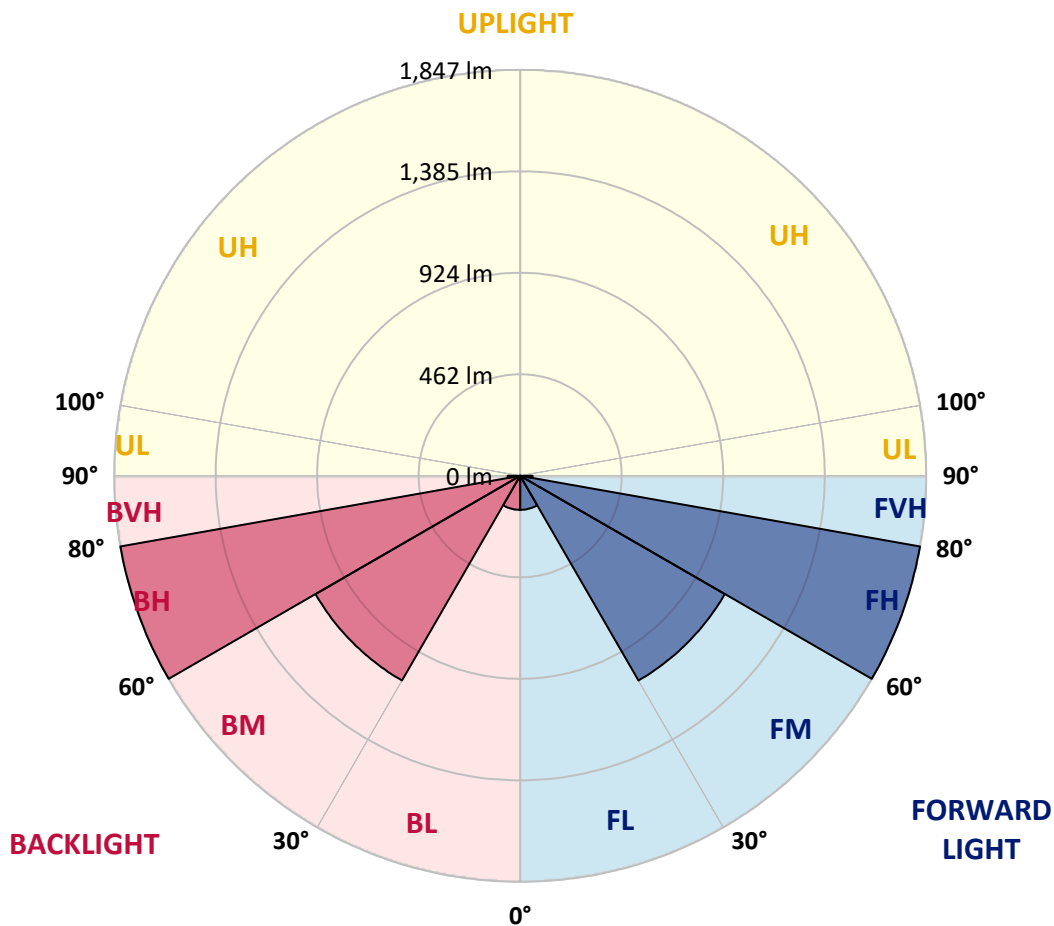
CATALOG NUMBER: PMM-SA2A-722-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 154.9 | 2.5 | | | |
| FM (30°-60°) | 1075.3 | 17.2 | | | |
| FH (60°-80°) | 1847.1 | 29.5 | | | G2/5000 |
| FVH (80°-90°) | 56.7 | 0.9 | | | G1/100 |
| BL (0°-30°) | 154.9 | 2.5 | B1/500 | | |
| BM (30°-60°) | 1075.3 | 17.2 | B2/2500 | | |
| BH (60°-80°) | 1847.1 | 29.5 | B3/2500 | | G2/5000 |
| BVH (80°-90°) | 56.7 | 0.9 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 169.5 | 169.5 | 169.5 | 169.5 | 169.5 | 169.5 | 169.5 | 169.5 | 169.5 | 169.5 | 169.5 |
| 2.5° | 206.2 | 203.0 | 193.1 | 193.6 | 198.2 | 198.7 | 199.1 | 193.1 | 191.6 | 204.0 | 204.7 |
| 5° | 261.9 | 254.6 | 247.3 | 244.4 | 240.0 | 227.8 | 241.2 | 242.7 | 245.6 | 255.1 | 259.5 |
| 7.5° | 299.1 | 290.1 | 280.1 | 274.0 | 262.1 | 252.2 | 263.1 | 272.1 | 277.9 | 288.6 | 294.7 |
| 10° | 306.1 | 300.8 | 300.3 | 289.6 | 287.4 | 291.1 | 290.3 | 290.6 | 299.3 | 299.6 | 303.2 |
| 12.5° | 328.3 | 332.2 | 324.6 | 321.0 | 323.2 | 332.2 | 324.9 | 321.7 | 323.9 | 333.9 | 329.7 |
| 15° | 357.2 | 361.8 | 350.4 | 344.6 | 338.7 | 347.2 | 339.7 | 345.3 | 352.3 | 359.6 | 356.0 |
| 17.5° | 389.3 | 389.5 | 374.0 | 352.3 | 357.4 | 358.7 | 356.0 | 351.4 | 371.5 | 389.1 | 387.4 |
| 20° | 406.8 | 406.6 | 379.8 | 350.4 | 365.5 | 368.1 | 365.7 | 349.9 | 380.3 | 404.4 | 403.6 |
| 22.5° | 424.8 | 419.5 | 387.4 | 363.5 | 369.1 | 371.3 | 365.7 | 364.3 | 387.4 | 420.9 | 420.7 |
| 25° | 434.5 | 439.1 | 403.9 | 389.1 | 384.4 | 379.3 | 384.2 | 386.6 | 408.8 | 441.6 | 432.1 |
| 27.5° | 464.9 | 457.4 | 408.8 | 407.3 | 397.6 | 377.4 | 394.2 | 406.1 | 407.3 | 460.3 | 470.0 |
| 30° | 492.4 | 495.3 | 430.6 | 432.8 | 415.1 | 389.5 | 415.6 | 434.5 | 438.2 | 495.8 | 494.8 |
| 32.5° | 521.6 | 522.8 | 469.5 | 446.9 | 439.4 | 438.4 | 428.4 | 445.0 | 473.7 | 519.9 | 521.8 |
| 35° | 565.8 | 575.8 | 504.3 | 473.9 | 464.4 | 454.7 | 463.5 | 478.3 | 505.0 | 574.3 | 569.5 |
| 37.5° | 667.2 | 651.4 | 579.9 | 517.0 | 510.6 | 506.7 | 513.8 | 524.5 | 579.2 | 653.1 | 675.7 |
| 40° | 738.0 | 730.5 | 633.2 | 588.2 | 548.3 | 569.2 | 552.7 | 594.0 | 639.3 | 730.9 | 745.5 |
| 42.5° | 847.7 | 814.1 | 714.2 | 658.5 | 617.1 | 602.3 | 611.5 | 665.5 | 723.2 | 825.3 | 854.0 |
| 45° | 952.9 | 901.1 | 815.6 | 766.4 | 703.7 | 688.1 | 700.5 | 764.0 | 830.6 | 911.4 | 961.9 |
| 47.5° | 1060.4 | 1006.9 | 912.8 | 841.8 | 790.5 | 837.0 | 796.3 | 856.7 | 923.0 | 1016.9 | 1061.9 |
| 50° | 1172.0 | 1112.7 | 1019.8 | 942.5 | 938.1 | 979.2 | 930.6 | 961.5 | 1023.0 | 1120.2 | 1173.2 |
| 52.5° | 1300.2 | 1236.2 | 1143.3 | 1091.1 | 1101.3 | 1098.6 | 1088.9 | 1083.3 | 1143.8 | 1239.4 | 1302.4 |
| 55° | 1452.6 | 1383.6 | 1309.4 | 1285.3 | 1313.5 | 1283.2 | 1297.5 | 1295.6 | 1304.3 | 1372.6 | 1446.3 |
| 57.5° | 1636.9 | 1558.9 | 1484.5 | 1479.1 | 1515.4 | 1544.1 | 1518.5 | 1481.8 | 1466.5 | 1532.9 | 1617.3 |
| 60° | 1869.2 | 1773.4 | 1691.7 | 1674.9 | 1778.2 | 1778.0 | 1754.9 | 1672.7 | 1666.9 | 1742.0 | 1843.6 |
| 62.5° | 2125.7 | 2009.0 | 1919.7 | 1893.0 | 2054.9 | 2073.2 | 2001.2 | 1853.8 | 1884.0 | 1944.5 | 2065.2 |
| 65° | 2343.6 | 2203.3 | 2120.1 | 2112.8 | 2310.7 | 2391.2 | 2232.2 | 2030.6 | 2040.4 | 2090.7 | 2221.3 |
| 67.5° | 2485.6 | 2316.6 | 2250.4 | 2285.7 | 2531.8 | 2582.1 | 2434.3 | 2148.8 | 2114.3 | 2135.2 | 2291.3 |
| 70° | 2435.7 | 2250.0 | 2202.3 | 2287.9 | 2588.9 | 2665.0 | 2477.8 | 2115.7 | 2042.3 | 2043.3 | 2224.7 |
| 72.5° | 2058.1 | 1881.3 | 1903.9 | 2061.0 | 2453.7 | 2560.5 | 2276.5 | 1911.0 | 1760.7 | 1757.1 | 1921.7 |
| 75° | 1361.0 | 1242.8 | 1332.0 | 1576.9 | 2039.9 | 2258.2 | 1886.2 | 1497.9 | 1309.4 | 1248.1 | 1375.3 |
| 77.5° | 595.3 | 580.2 | 655.3 | 932.0 | 1390.6 | 1627.5 | 1351.2 | 978.5 | 712.2 | 592.3 | 647.0 |
| 80° | 159.5 | 156.1 | 196.0 | 353.6 | 677.0 | 896.3 | 731.2 | 390.3 | 203.8 | 148.3 | 157.3 |
| 82.5° | 58.1 | 59.6 | 72.7 | 99.0 | 223.0 | 377.4 | 242.9 | 114.0 | 77.1 | 63.2 | 63.2 |
| 85° | 25.3 | 24.6 | 35.3 | 39.6 | 60.8 | 85.3 | 69.8 | 48.4 | 38.9 | 29.2 | 28.0 |
| 87.5° | 6.8 | 8.5 | 11.9 | 12.4 | 15.8 | 12.9 | 18.5 | 17.0 | 14.6 | 10.2 | 8.3 |
| 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)