

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: P367129

Luminaire Tested: **PMM-SA2A-727-U-5WQ**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367129
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-4)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA2A-727-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: 7131 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

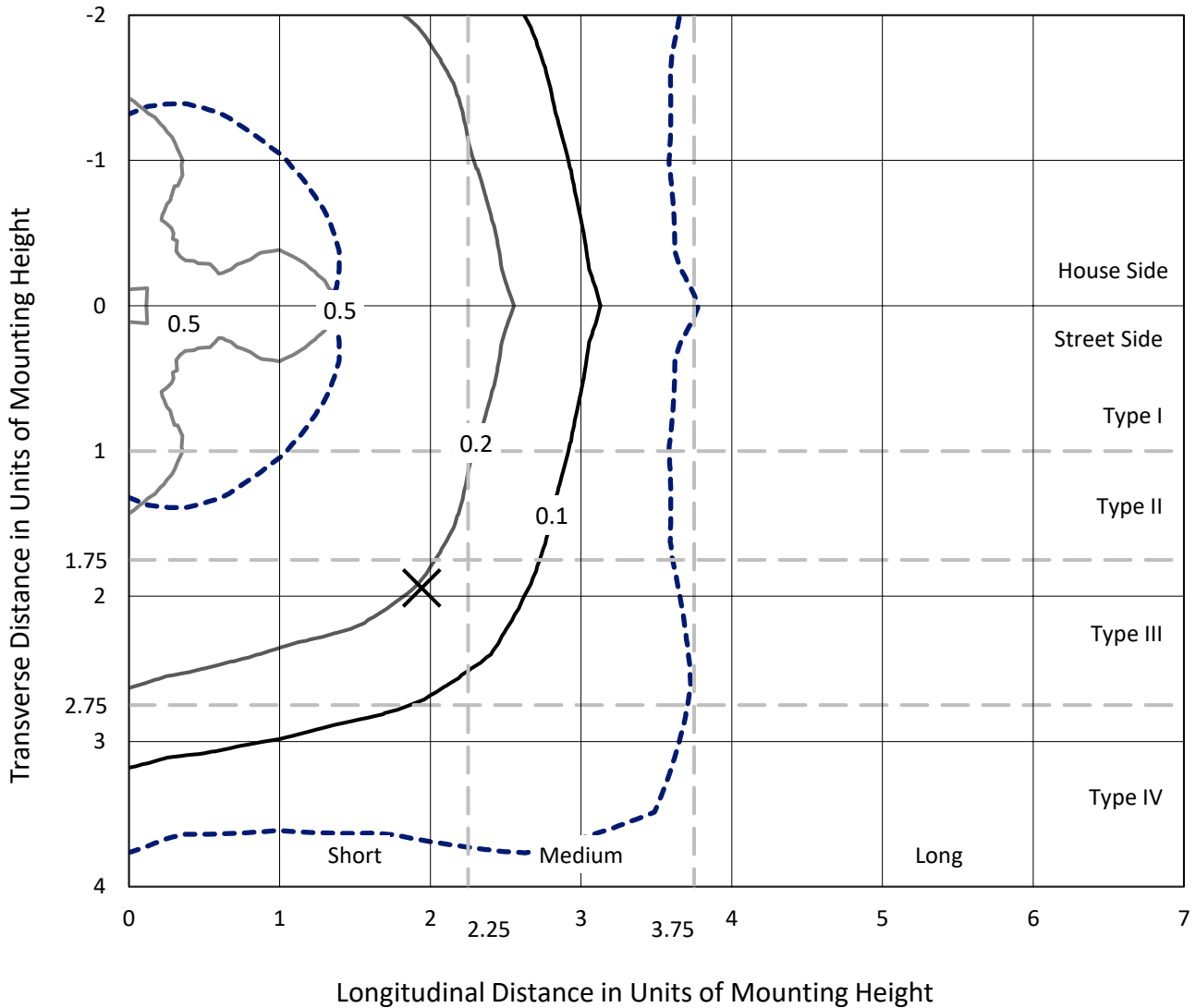
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

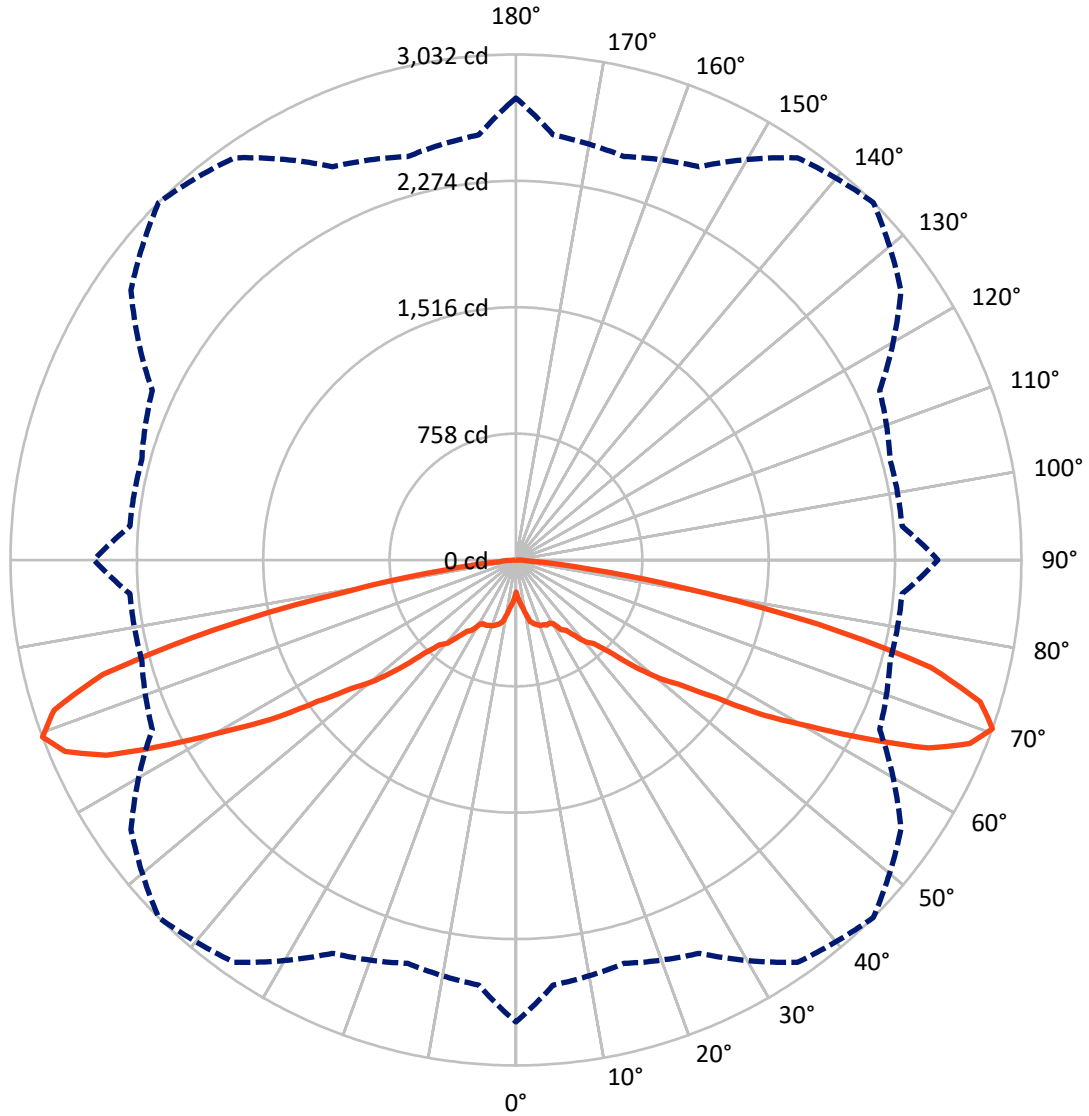
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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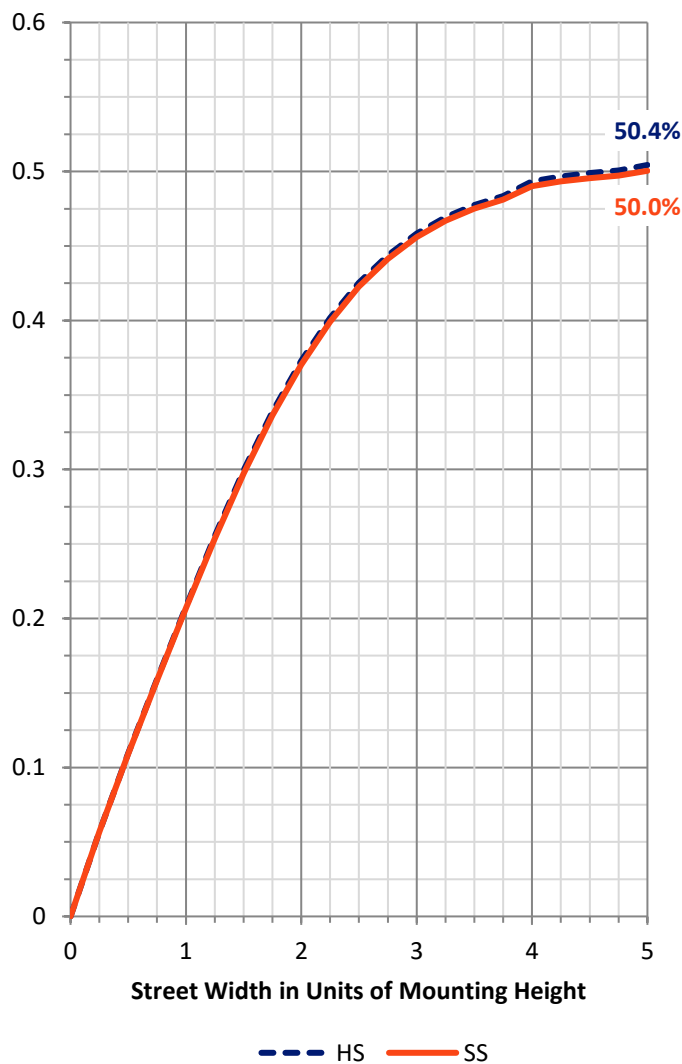
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3565.5 | 0.0 | 3565.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3565.5 | 0.0 | 3565.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 7131.0 | 0.0 | 7131.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 28.0 | 0.4 |
| 10°-20° | 112.3 | 1.6 |
| 20°-30° | 212.2 | 3.0 |
| 30°-40° | 369.7 | 5.2 |
| 40°-50° | 706.7 | 9.9 |
| 50°-60° | 1370.3 | 19.2 |
| 60°-70° | 2399.5 | 33.6 |
| 70°-80° | 1803.3 | 25.3 |
| 80°-90° | 129.0 | 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° | 7131.0 | 100.0 |
| 0°-180° | 7131.0 | 100.0 |

Coefficient of Utilization



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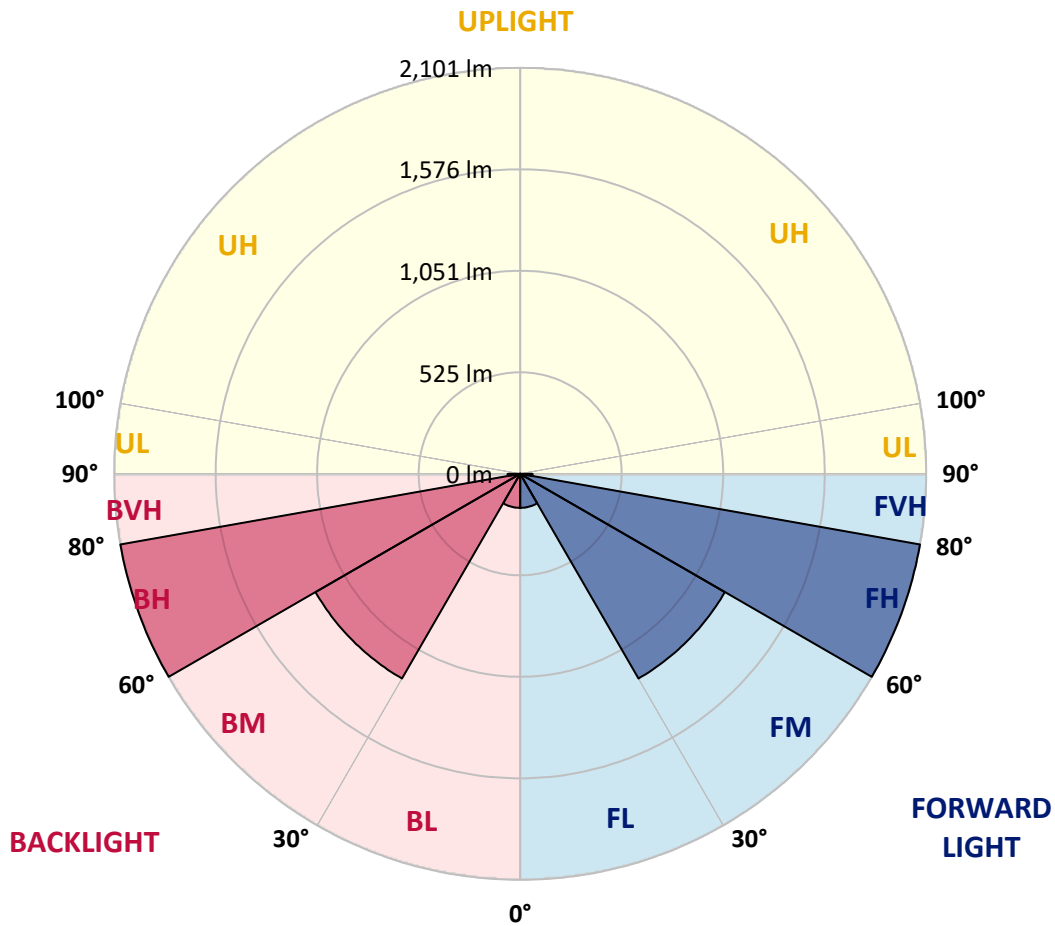
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 176.3 | 2.5 | | | |
| FM (30°-60°) | 1223.3 | 17.2 | | | |
| FH (60°-80°) | 2101.4 | 29.5 | | | G2/5000 |
| FVH (80°-90°) | 64.5 | 0.9 | | | G1/100 |
| BL (0°-30°) | 176.3 | 2.5 | B1/500 | | |
| BM (30°-60°) | 1223.3 | 17.2 | B2/2500 | | |
| BH (60°-80°) | 2101.4 | 29.5 | B3/2500 | | G2/5000 |
| BVH (80°-90°) | 64.5 | 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° | 192.8 | 192.8 | 192.8 | 192.8 | 192.8 | 192.8 | 192.8 | 192.8 | 192.8 | 192.8 | 192.8 |
| 2.5° | 234.6 | 231.0 | 219.7 | 220.2 | 225.5 | 226.0 | 226.6 | 219.7 | 218.0 | 232.1 | 232.9 |
| 5° | 297.9 | 289.6 | 281.3 | 278.0 | 273.0 | 259.2 | 274.4 | 276.1 | 279.4 | 290.2 | 295.2 |
| 7.5° | 340.3 | 330.0 | 318.7 | 311.8 | 298.2 | 286.9 | 299.3 | 309.6 | 316.2 | 328.4 | 335.3 |
| 10° | 348.3 | 342.2 | 341.6 | 329.5 | 327.0 | 331.1 | 330.3 | 330.6 | 340.5 | 340.8 | 345.0 |
| 12.5° | 373.5 | 377.9 | 369.3 | 365.2 | 367.7 | 377.9 | 369.6 | 366.0 | 368.5 | 379.8 | 375.1 |
| 15° | 406.4 | 411.6 | 398.6 | 392.0 | 385.4 | 395.0 | 386.5 | 392.8 | 400.8 | 409.1 | 405.0 |
| 17.5° | 442.9 | 443.2 | 425.5 | 400.8 | 406.7 | 408.0 | 405.0 | 399.7 | 422.7 | 442.6 | 440.7 |
| 20° | 462.8 | 462.5 | 432.1 | 398.6 | 415.8 | 418.8 | 416.1 | 398.1 | 432.7 | 460.0 | 459.2 |
| 22.5° | 483.3 | 477.2 | 440.7 | 413.6 | 419.9 | 422.4 | 416.1 | 414.4 | 440.7 | 478.9 | 478.6 |
| 25° | 494.4 | 499.6 | 459.5 | 442.6 | 437.4 | 431.6 | 437.1 | 439.9 | 465.0 | 502.4 | 491.6 |
| 27.5° | 528.9 | 520.4 | 465.0 | 463.4 | 452.3 | 429.3 | 448.4 | 462.0 | 463.4 | 523.7 | 534.7 |
| 30° | 560.2 | 563.5 | 489.9 | 492.4 | 472.2 | 443.2 | 472.8 | 494.4 | 498.5 | 564.1 | 563.0 |
| 32.5° | 593.4 | 594.8 | 534.2 | 508.5 | 499.9 | 498.8 | 487.4 | 506.2 | 538.9 | 591.5 | 593.7 |
| 35° | 643.7 | 655.1 | 573.7 | 539.2 | 528.4 | 517.3 | 527.3 | 544.1 | 574.6 | 653.4 | 647.9 |
| 37.5° | 759.1 | 741.1 | 659.8 | 588.1 | 580.9 | 576.5 | 584.5 | 596.7 | 659.0 | 743.1 | 768.8 |
| 40° | 839.6 | 831.0 | 720.4 | 669.2 | 623.8 | 647.6 | 628.8 | 675.8 | 727.3 | 831.6 | 848.2 |
| 42.5° | 964.4 | 926.2 | 812.5 | 749.1 | 702.1 | 685.2 | 695.7 | 757.2 | 822.7 | 938.9 | 971.6 |
| 45° | 1084.1 | 1025.2 | 927.8 | 872.0 | 800.6 | 782.9 | 797.0 | 869.2 | 945.0 | 1036.8 | 1094.4 |
| 47.5° | 1206.4 | 1145.6 | 1038.5 | 957.7 | 899.4 | 952.2 | 906.0 | 974.6 | 1050.1 | 1156.9 | 1208.1 |
| 50° | 1333.4 | 1265.9 | 1160.2 | 1072.3 | 1067.3 | 1114.0 | 1058.7 | 1093.8 | 1163.8 | 1274.5 | 1334.8 |
| 52.5° | 1479.2 | 1406.4 | 1300.8 | 1241.3 | 1252.9 | 1249.9 | 1238.8 | 1232.4 | 1301.3 | 1410.0 | 1481.7 |
| 55° | 1652.6 | 1574.1 | 1489.7 | 1462.3 | 1494.4 | 1459.8 | 1476.1 | 1473.9 | 1483.9 | 1561.6 | 1645.4 |
| 57.5° | 1862.3 | 1773.5 | 1688.9 | 1682.8 | 1724.0 | 1756.7 | 1727.6 | 1685.8 | 1668.4 | 1743.9 | 1839.9 |
| 60° | 2126.5 | 2017.5 | 1924.6 | 1905.5 | 2023.1 | 2022.8 | 1996.5 | 1903.0 | 1896.4 | 1981.8 | 2097.5 |
| 62.5° | 2418.4 | 2285.6 | 2184.1 | 2153.6 | 2337.9 | 2358.6 | 2276.7 | 2109.1 | 2143.4 | 2212.3 | 2349.5 |
| 65° | 2666.2 | 2506.6 | 2412.0 | 2403.7 | 2628.9 | 2720.5 | 2539.5 | 2310.2 | 2321.3 | 2378.5 | 2527.1 |
| 67.5° | 2827.8 | 2635.5 | 2560.3 | 2600.4 | 2880.4 | 2937.6 | 2769.4 | 2444.7 | 2405.4 | 2429.2 | 2606.8 |
| 70° | 2771.1 | 2559.7 | 2505.5 | 2602.9 | 2945.4 | 3032.0 | 2818.9 | 2407.0 | 2323.5 | 2324.6 | 2531.0 |
| 72.5° | 2341.5 | 2140.4 | 2166.1 | 2344.8 | 2791.6 | 2913.0 | 2589.9 | 2174.1 | 2003.1 | 1999.0 | 2186.3 |
| 75° | 1548.3 | 1413.9 | 1515.4 | 1794.0 | 2320.7 | 2569.1 | 2145.9 | 1704.1 | 1489.7 | 1420.0 | 1564.7 |
| 77.5° | 677.2 | 660.1 | 745.5 | 1060.4 | 1582.1 | 1851.5 | 1537.3 | 1113.2 | 810.3 | 673.9 | 736.1 |
| 80° | 181.5 | 177.6 | 223.0 | 402.2 | 770.2 | 1019.7 | 831.9 | 444.0 | 231.8 | 168.7 | 179.0 |
| 82.5° | 66.1 | 67.8 | 82.7 | 112.6 | 253.7 | 429.3 | 276.4 | 129.7 | 87.7 | 71.9 | 71.9 |
| 85° | 28.8 | 27.9 | 40.1 | 45.1 | 69.2 | 97.1 | 79.4 | 55.1 | 44.3 | 33.2 | 31.8 |
| 87.5° | 7.7 | 9.7 | 13.6 | 14.1 | 18.0 | 14.7 | 21.0 | 19.4 | 16.6 | 11.6 | 9.4 |
| 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)