

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: P367723

Luminaire Tested: **PMM-SA3A-750-U-5WQ**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367723
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-SA3A-750-U-5WQ
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12583 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 96
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

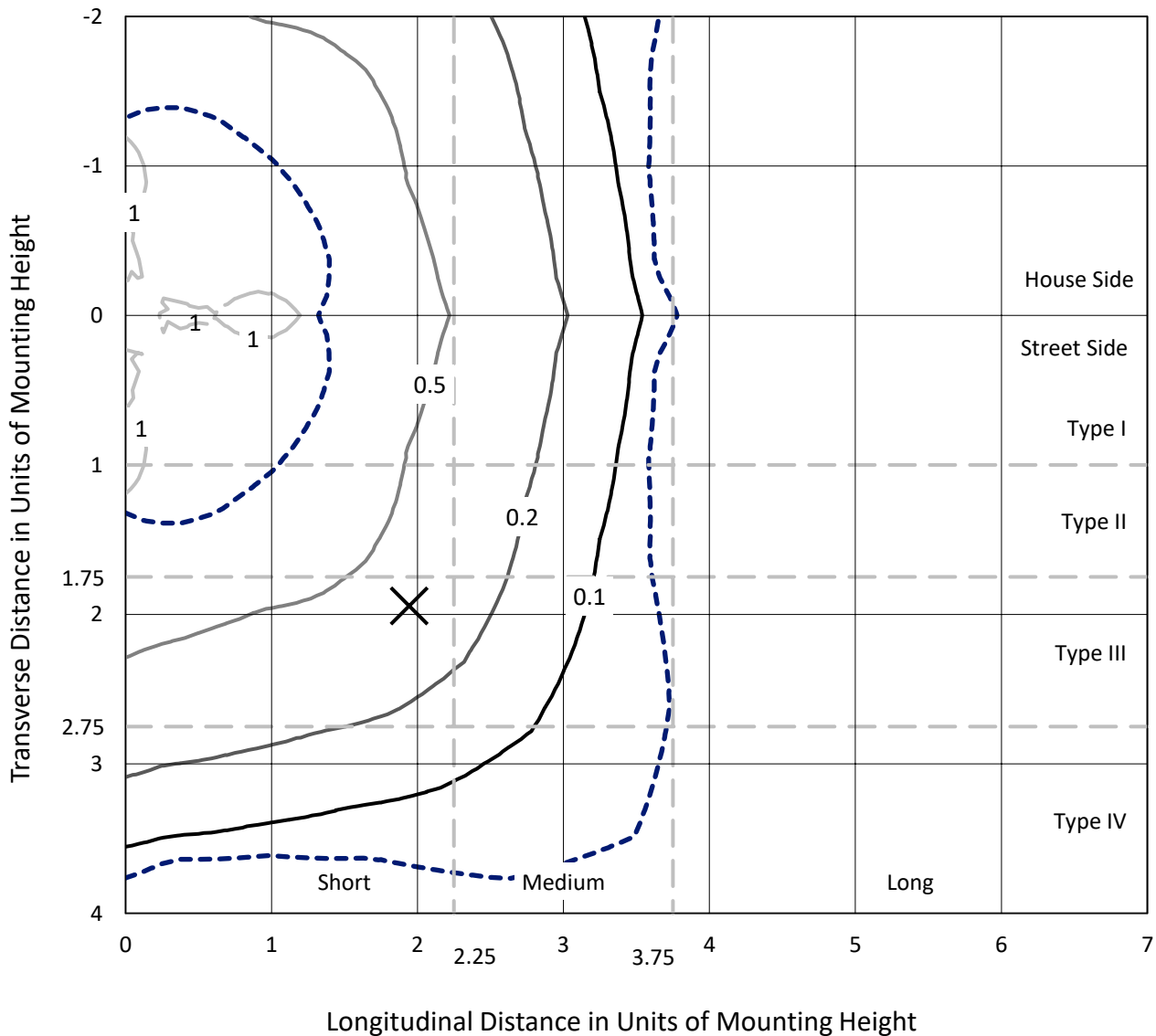


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Iso-Footcandle Lines of Horizontal Illumination

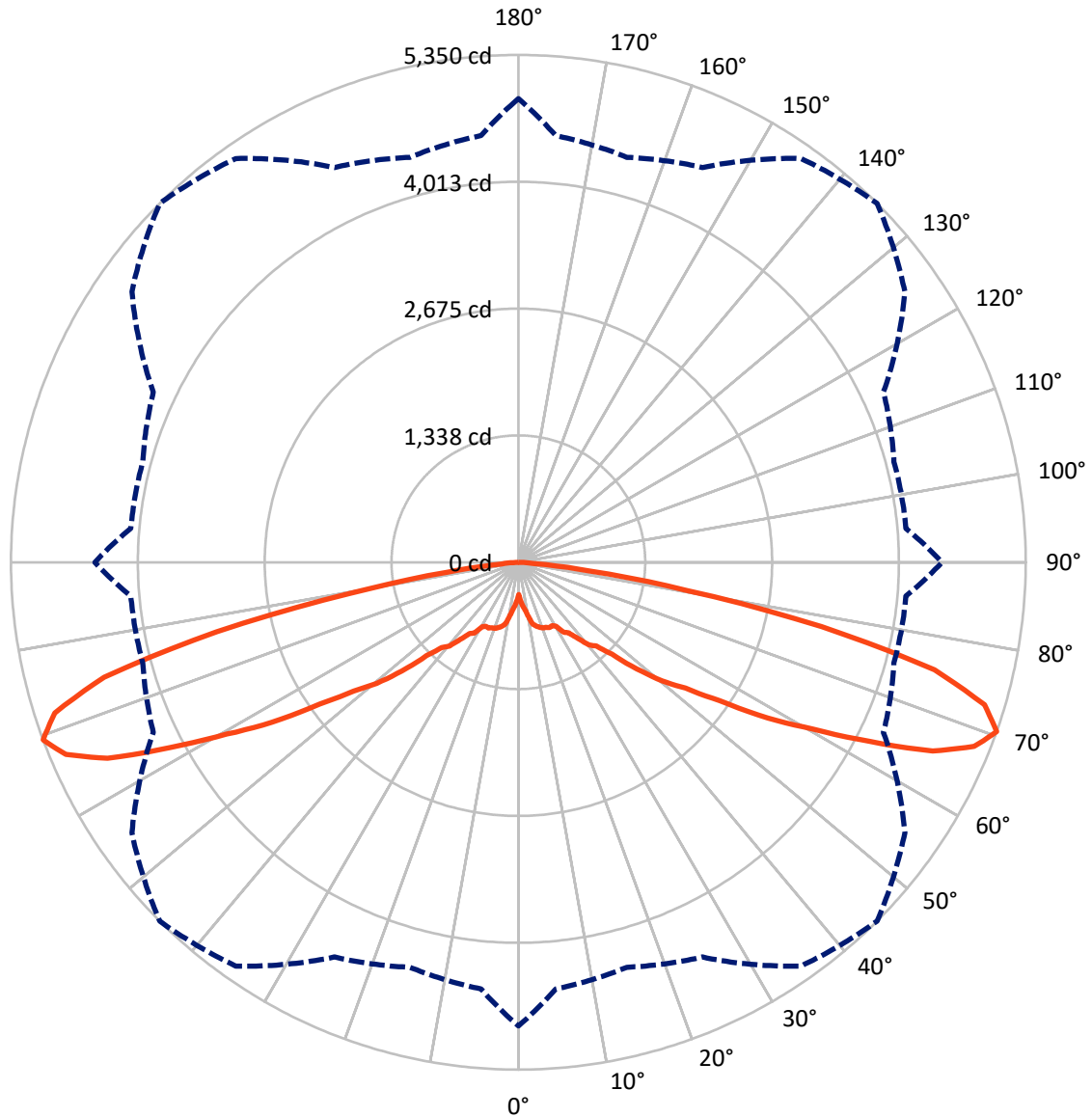
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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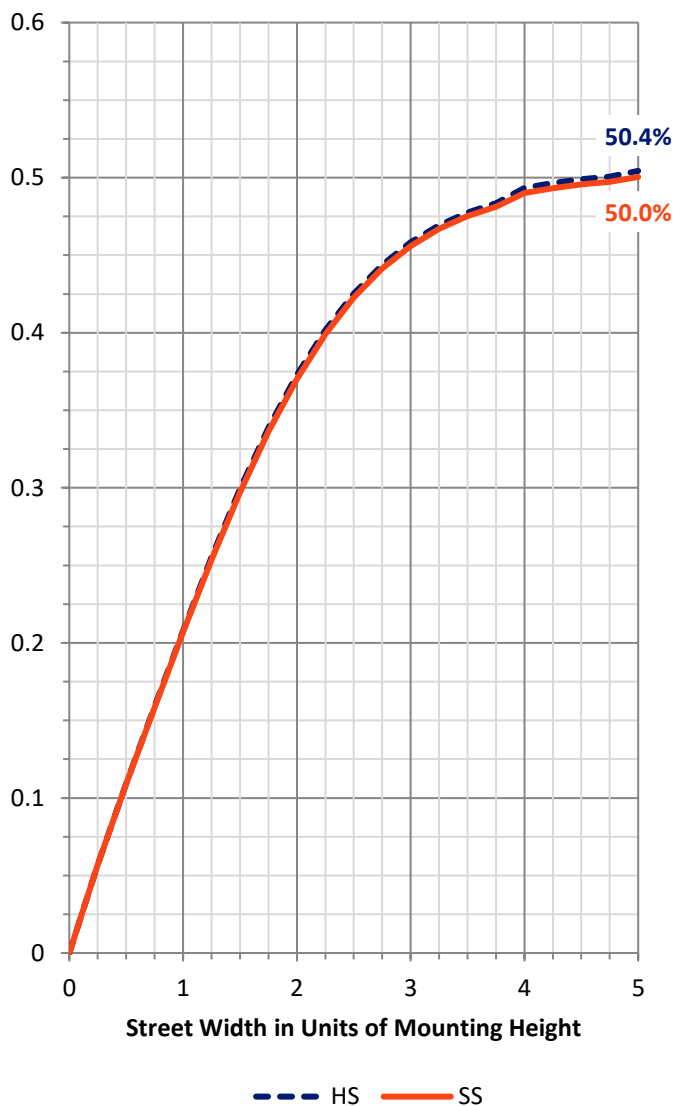
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6291.5 | 0.0 | 6291.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 6291.5 | 0.0 | 6291.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 12583.0 | 0.0 | 12583.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 49.5 | 0.4 |
| 10°-20° | 198.1 | 1.6 |
| 20°-30° | 374.5 | 3.0 |
| 30°-40° | 652.3 | 5.2 |
| 40°-50° | 1247.0 | 9.9 |
| 50°-60° | 2418.0 | 19.2 |
| 60°-70° | 4234.0 | 33.6 |
| 70°-80° | 3182.1 | 25.3 |
| 80°-90° | 227.7 | 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° | 12583.0 | 100.0 |
| 0°-180° | 12583.0 | 100.0 |

Coefficient of Utilization



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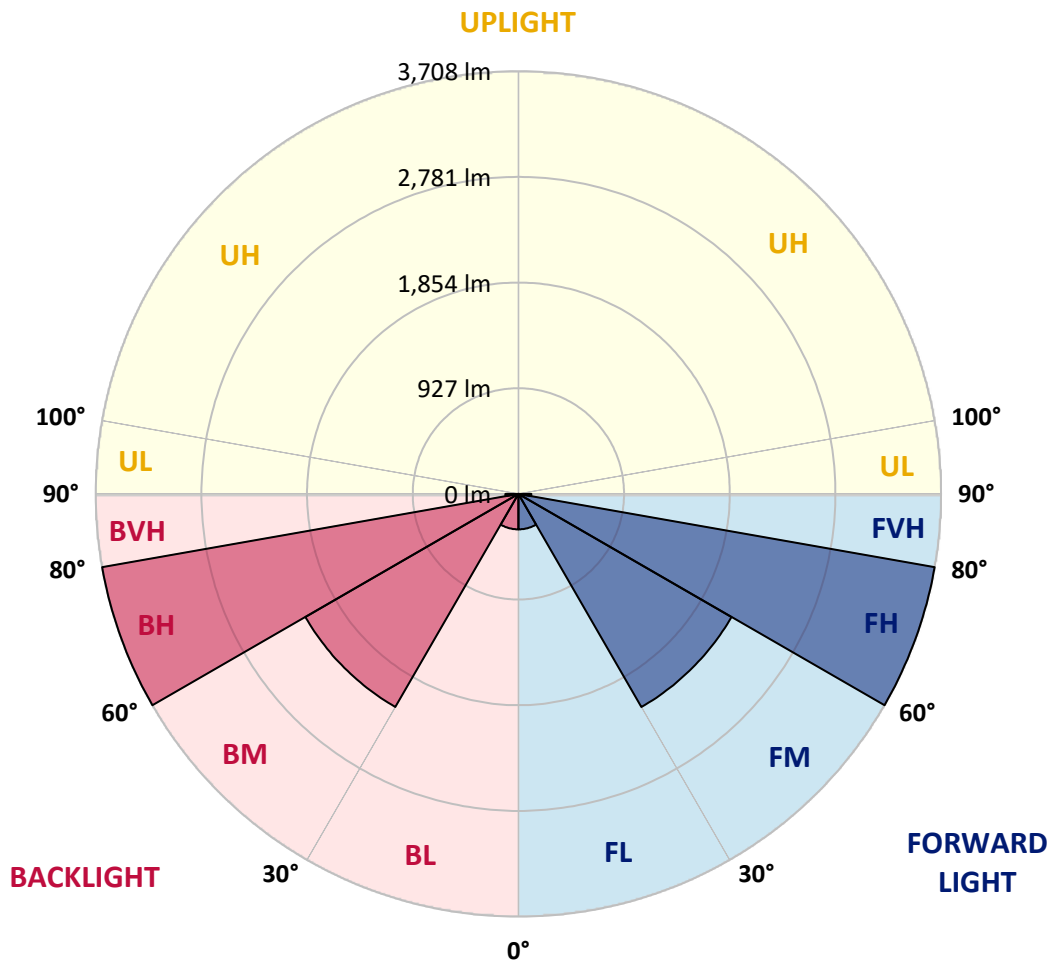
CATALOG NUMBER: PMM-SA3A-750-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 311.0 | 2.5 | | | |
| FM (30°-60°) | 2158.6 | 17.2 | | | |
| FH (60°-80°) | 3708.0 | 29.5 | | | G2/5000 |
| FVH (80°-90°) | 113.8 | 0.9 | | | G2/225 |
| BL (0°-30°) | 311.0 | 2.5 | B1/500 | | |
| BM (30°-60°) | 2158.6 | 17.2 | B2/2500 | | |
| BH (60°-80°) | 3708.0 | 29.5 | B4/5000 | | G2/5000 |
| BVH (80°-90°) | 113.8 | 0.9 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 340.2 | 340.2 | 340.2 | 340.2 | 340.2 | 340.2 | 340.2 | 340.2 | 340.2 | 340.2 | 340.2 |
| 2.5° | 413.9 | 407.6 | 387.6 | 388.6 | 397.8 | 398.8 | 399.8 | 387.6 | 384.7 | 409.6 | 411.0 |
| 5° | 525.7 | 511.1 | 496.4 | 490.6 | 481.8 | 457.4 | 484.2 | 487.2 | 493.0 | 512.1 | 520.8 |
| 7.5° | 600.4 | 582.4 | 562.3 | 550.1 | 526.2 | 506.2 | 528.2 | 546.2 | 557.9 | 579.4 | 591.6 |
| 10° | 614.6 | 603.8 | 602.9 | 581.4 | 577.0 | 584.3 | 582.8 | 583.3 | 600.9 | 601.4 | 608.7 |
| 12.5° | 659.0 | 666.8 | 651.7 | 644.3 | 648.7 | 666.8 | 652.2 | 645.8 | 650.2 | 670.2 | 661.9 |
| 15° | 717.1 | 726.4 | 703.4 | 691.7 | 680.0 | 697.1 | 681.9 | 693.2 | 707.3 | 722.0 | 714.6 |
| 17.5° | 781.5 | 782.0 | 750.8 | 707.3 | 717.6 | 720.0 | 714.6 | 705.4 | 745.9 | 781.0 | 777.6 |
| 20° | 816.7 | 816.2 | 762.5 | 703.4 | 733.7 | 739.0 | 734.2 | 702.4 | 763.5 | 811.8 | 810.3 |
| 22.5° | 852.8 | 842.0 | 777.6 | 729.8 | 741.0 | 745.4 | 734.2 | 731.2 | 777.6 | 845.0 | 844.5 |
| 25° | 872.3 | 881.6 | 810.8 | 781.0 | 771.8 | 761.5 | 771.3 | 776.1 | 820.6 | 886.5 | 867.4 |
| 27.5° | 933.3 | 918.2 | 820.6 | 817.6 | 798.1 | 757.6 | 791.3 | 815.2 | 817.6 | 924.1 | 943.6 |
| 30° | 988.5 | 994.3 | 864.5 | 868.9 | 833.3 | 782.0 | 834.2 | 872.3 | 879.6 | 995.3 | 993.4 |
| 32.5° | 1047.1 | 1049.5 | 942.6 | 897.2 | 882.1 | 880.1 | 860.1 | 893.3 | 950.9 | 1043.6 | 1047.6 |
| 35° | 1135.9 | 1155.9 | 1012.4 | 951.4 | 932.4 | 912.8 | 930.4 | 960.2 | 1013.9 | 1153.0 | 1143.2 |
| 37.5° | 1339.5 | 1307.7 | 1164.2 | 1037.8 | 1025.1 | 1017.3 | 1031.4 | 1052.9 | 1162.8 | 1311.2 | 1356.5 |
| 40° | 1481.5 | 1466.4 | 1271.1 | 1180.8 | 1100.8 | 1142.7 | 1109.5 | 1192.5 | 1283.3 | 1467.4 | 1496.6 |
| 42.5° | 1701.7 | 1634.3 | 1433.7 | 1321.9 | 1238.9 | 1209.1 | 1227.7 | 1336.0 | 1451.7 | 1656.8 | 1714.4 |
| 45° | 1913.0 | 1809.1 | 1637.2 | 1538.6 | 1412.7 | 1381.4 | 1406.3 | 1533.7 | 1667.5 | 1829.6 | 1931.1 |
| 47.5° | 2128.8 | 2021.4 | 1832.5 | 1689.9 | 1587.0 | 1680.2 | 1598.7 | 1719.7 | 1853.0 | 2041.4 | 2131.7 |
| 50° | 2352.8 | 2233.7 | 2047.3 | 1892.0 | 1883.3 | 1965.7 | 1868.1 | 1930.1 | 2053.6 | 2248.9 | 2355.3 |
| 52.5° | 2610.1 | 2481.7 | 2295.2 | 2190.3 | 2210.8 | 2205.4 | 2185.9 | 2174.7 | 2296.2 | 2488.1 | 2614.5 |
| 55° | 2916.2 | 2777.5 | 2628.6 | 2580.3 | 2636.9 | 2575.9 | 2604.7 | 2600.8 | 2618.4 | 2755.6 | 2903.5 |
| 57.5° | 3286.2 | 3129.5 | 2980.1 | 2969.4 | 3042.1 | 3099.7 | 3048.4 | 2974.7 | 2944.0 | 3077.2 | 3246.6 |
| 60° | 3752.3 | 3560.0 | 3396.0 | 3362.3 | 3569.8 | 3569.3 | 3522.9 | 3357.9 | 3346.2 | 3497.1 | 3701.1 |
| 62.5° | 4267.3 | 4033.0 | 3853.9 | 3800.2 | 4125.3 | 4161.9 | 4017.4 | 3721.6 | 3782.1 | 3903.7 | 4145.8 |
| 65° | 4704.7 | 4423.1 | 4256.1 | 4241.5 | 4638.8 | 4800.4 | 4481.1 | 4076.5 | 4096.0 | 4197.0 | 4459.2 |
| 67.5° | 4989.8 | 4650.5 | 4517.8 | 4588.5 | 5082.5 | 5183.6 | 4886.8 | 4313.7 | 4244.4 | 4286.4 | 4599.8 |
| 70° | 4889.7 | 4516.8 | 4421.1 | 4592.9 | 5197.3 | 5350.0 | 4974.2 | 4247.3 | 4099.9 | 4101.9 | 4466.0 |
| 72.5° | 4131.6 | 3776.8 | 3822.2 | 4137.5 | 4925.8 | 5140.1 | 4570.0 | 3836.3 | 3534.6 | 3527.3 | 3857.8 |
| 75° | 2732.1 | 2494.9 | 2674.0 | 3165.6 | 4095.0 | 4533.4 | 3786.5 | 3007.0 | 2628.6 | 2505.6 | 2760.9 |
| 77.5° | 1195.0 | 1164.7 | 1315.5 | 1871.0 | 2791.7 | 3267.1 | 2712.6 | 1964.3 | 1429.8 | 1189.1 | 1298.9 |
| 80° | 320.2 | 313.4 | 393.4 | 709.8 | 1359.0 | 1799.3 | 1467.8 | 783.5 | 409.1 | 297.8 | 315.8 |
| 82.5° | 116.7 | 119.6 | 146.0 | 198.7 | 447.6 | 757.6 | 487.7 | 228.9 | 154.7 | 126.9 | 126.9 |
| 85° | 50.8 | 49.3 | 70.8 | 79.6 | 122.0 | 171.3 | 140.1 | 97.1 | 78.1 | 58.6 | 56.1 |
| 87.5° | 13.7 | 17.1 | 23.9 | 24.9 | 31.7 | 25.9 | 37.1 | 34.2 | 29.3 | 20.5 | 16.6 |
| 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)