

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: P367459

Luminaire Tested: **PMM-SA2C-750-U-5WQ**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367459
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-SA2C-750-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: 13233 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 113
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

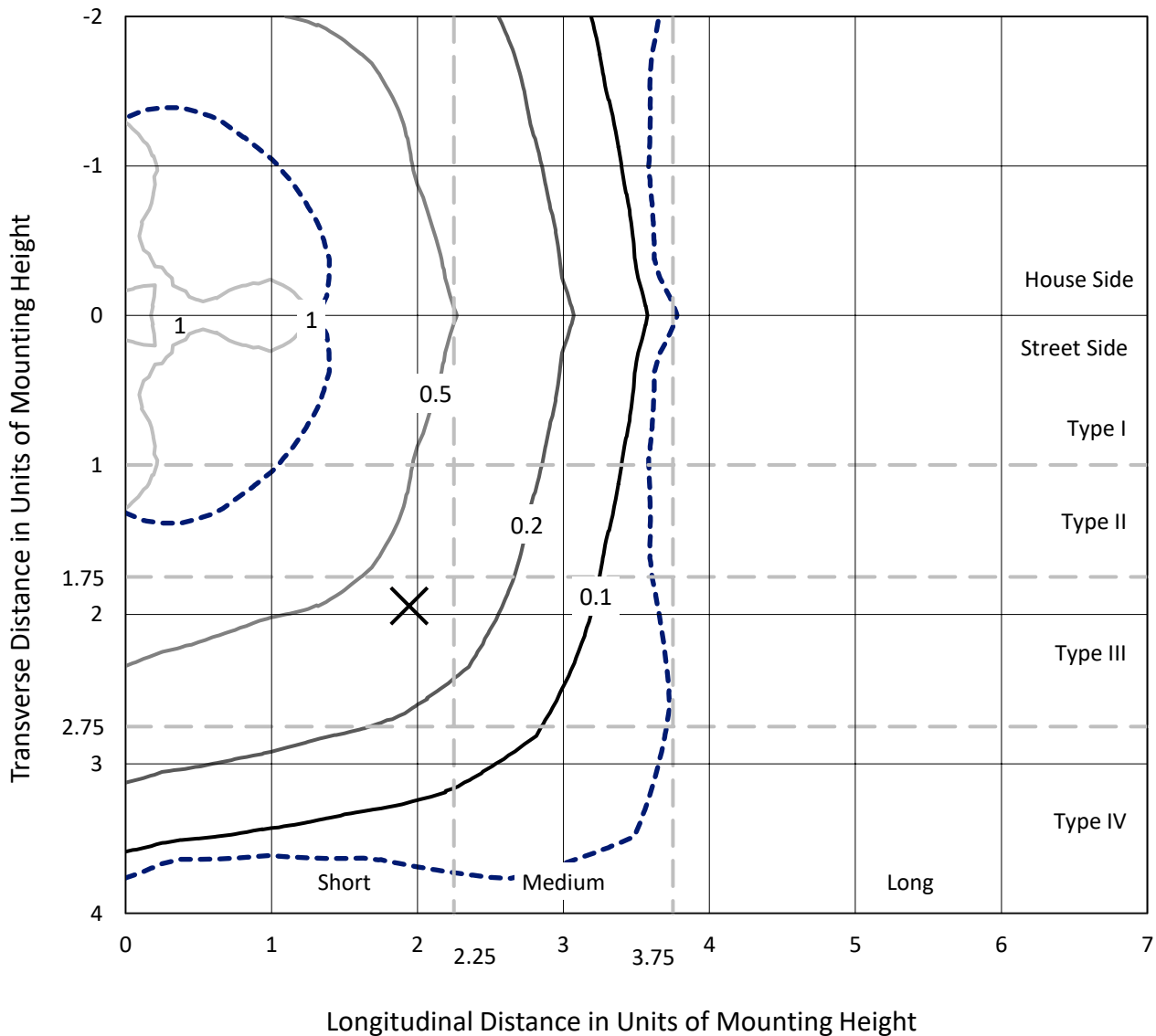


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Iso-Footcandle Lines of Horizontal Illumination

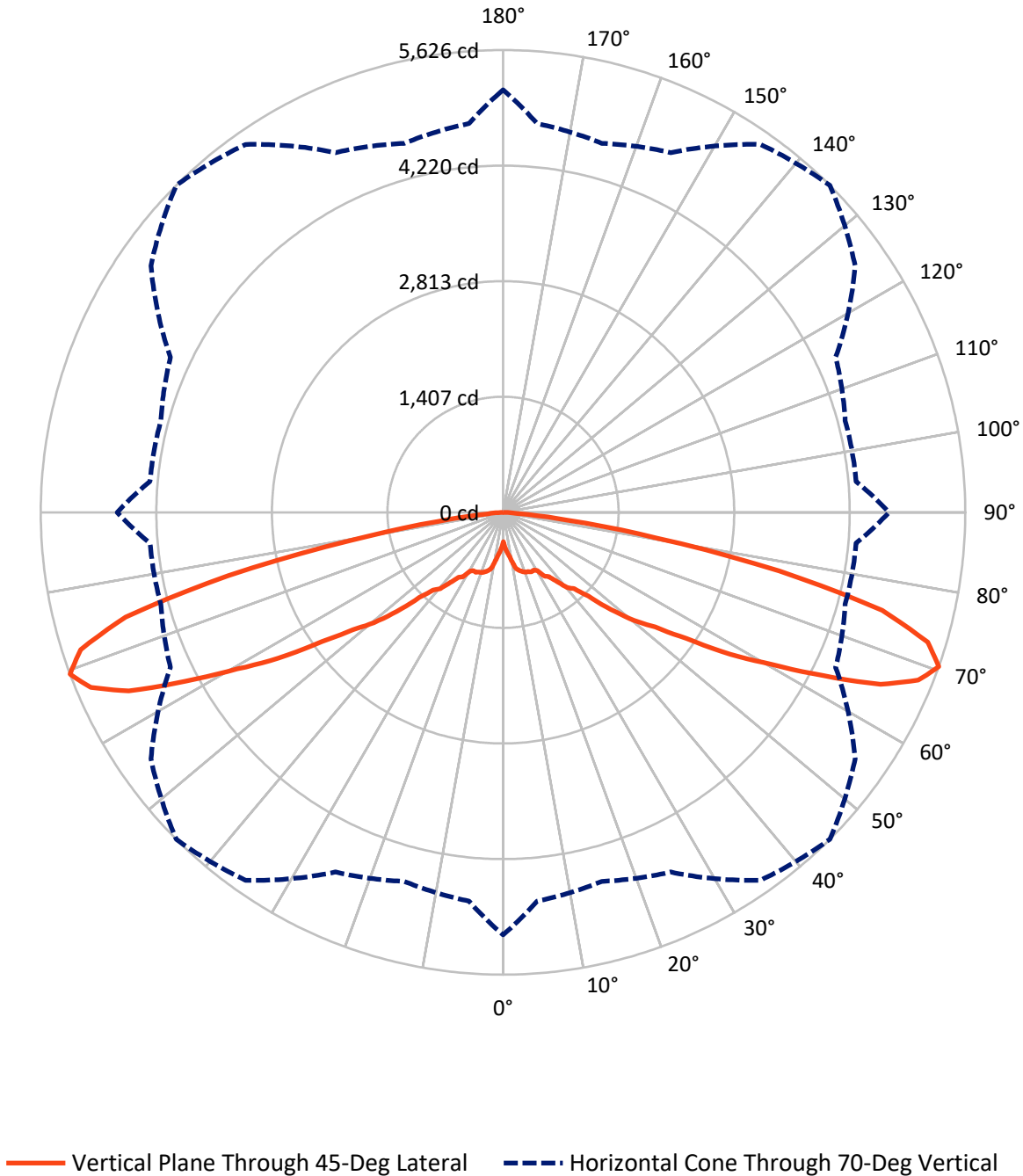
✕ Max cd
 - - - 1/2 Max cd



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



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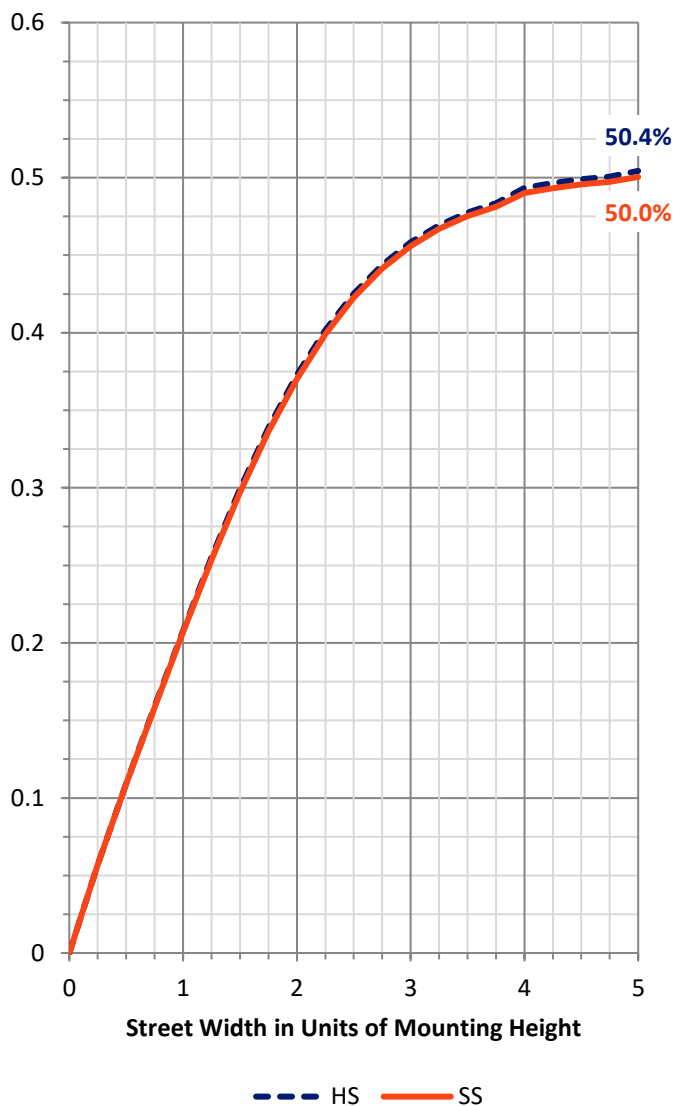
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6616.5 | 0.0 | 6616.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 6616.5 | 0.0 | 6616.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 13233.0 | 0.0 | 13233.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 52.0 | 0.4 |
| 10°-20° | 208.3 | 1.6 |
| 20°-30° | 393.8 | 3.0 |
| 30°-40° | 686.0 | 5.2 |
| 40°-50° | 1311.4 | 9.9 |
| 50°-60° | 2542.9 | 19.2 |
| 60°-70° | 4452.7 | 33.6 |
| 70°-80° | 3346.4 | 25.3 |
| 80°-90° | 239.4 | 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° | 13233.0 | 100.0 |
| 0°-180° | 13233.0 | 100.0 |



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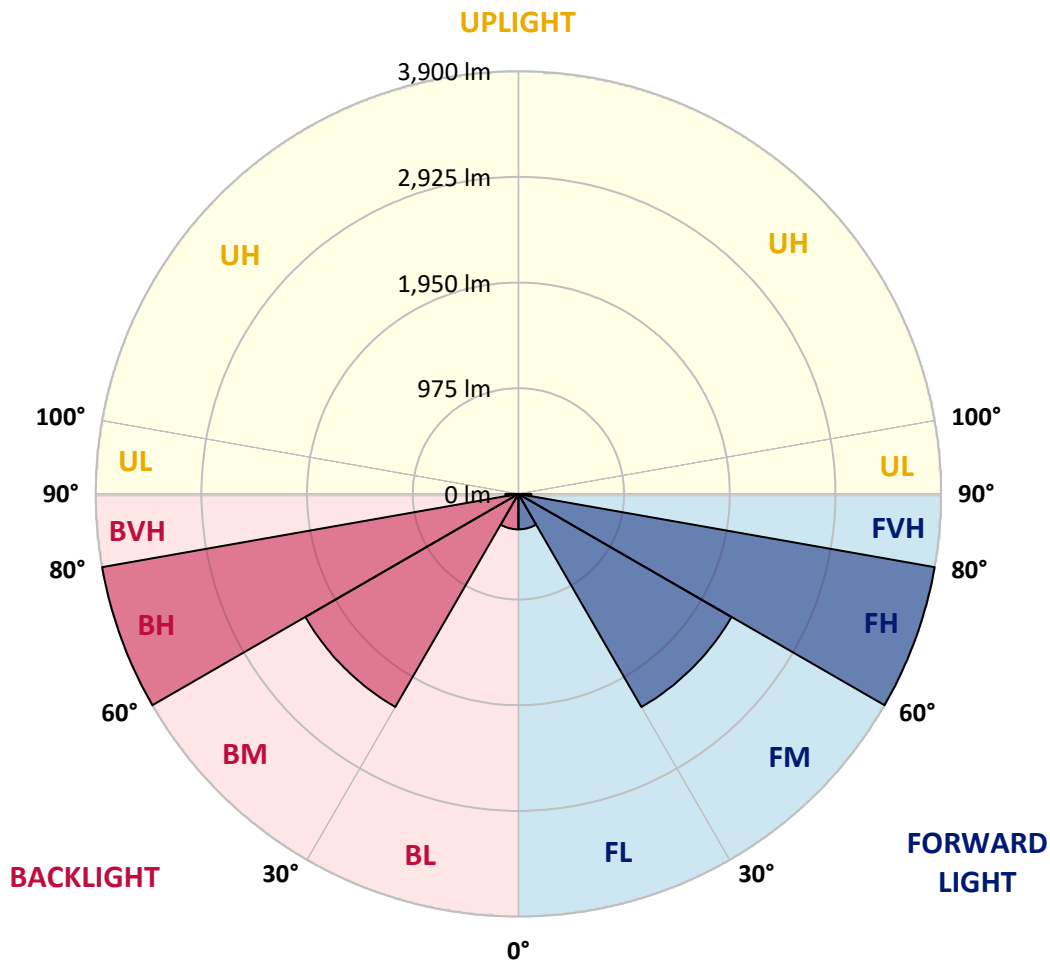
CATALOG NUMBER: PMM-SA2C-750-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 327.1 | 2.5 | | | |
| FM (30°-60°) | 2270.1 | 17.2 | | | |
| FH (60°-80°) | 3899.6 | 29.5 | | | G2/5000 |
| FVH (80°-90°) | 119.7 | 0.9 | | | G2/225 |
| BL (0°-30°) | 327.1 | 2.5 | B1/500 | | |
| BM (30°-60°) | 2270.1 | 17.2 | B2/2500 | | |
| BH (60°-80°) | 3899.6 | 29.5 | B4/5000 | | G2/5000 |
| BVH (80°-90°) | 119.7 | 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° | 357.8 | 357.8 | 357.8 | 357.8 | 357.8 | 357.8 | 357.8 | 357.8 | 357.8 | 357.8 | 357.8 |
| 2.5° | 435.3 | 428.7 | 407.6 | 408.6 | 418.4 | 419.4 | 420.4 | 407.6 | 404.5 | 430.7 | 432.2 |
| 5° | 552.9 | 537.5 | 522.1 | 515.9 | 506.7 | 481.0 | 509.3 | 512.3 | 518.5 | 538.5 | 547.8 |
| 7.5° | 631.4 | 612.4 | 591.4 | 578.6 | 553.4 | 532.4 | 555.5 | 574.4 | 586.8 | 609.4 | 622.2 |
| 10° | 646.3 | 635.0 | 634.0 | 611.4 | 606.8 | 614.5 | 612.9 | 613.5 | 631.9 | 632.5 | 640.2 |
| 12.5° | 693.0 | 701.2 | 685.3 | 677.6 | 682.3 | 701.2 | 685.8 | 679.2 | 683.8 | 704.8 | 696.1 |
| 15° | 754.1 | 763.9 | 739.7 | 727.4 | 715.1 | 733.1 | 717.2 | 729.0 | 743.9 | 759.3 | 751.6 |
| 17.5° | 821.9 | 822.4 | 789.5 | 743.9 | 754.6 | 757.2 | 751.6 | 741.8 | 784.4 | 821.4 | 817.8 |
| 20° | 858.8 | 858.3 | 801.9 | 739.7 | 771.6 | 777.2 | 772.1 | 738.7 | 802.9 | 853.7 | 852.2 |
| 22.5° | 896.8 | 885.5 | 817.8 | 767.5 | 779.3 | 783.9 | 772.1 | 769.0 | 817.8 | 888.6 | 888.1 |
| 25° | 917.4 | 927.1 | 852.7 | 821.4 | 811.6 | 800.8 | 811.1 | 816.2 | 863.0 | 932.3 | 912.2 |
| 27.5° | 981.5 | 965.6 | 863.0 | 859.9 | 839.3 | 796.7 | 832.2 | 857.3 | 859.9 | 971.8 | 992.3 |
| 30° | 1039.6 | 1045.7 | 909.2 | 913.8 | 876.3 | 822.4 | 877.3 | 917.4 | 925.1 | 1046.7 | 1044.7 |
| 32.5° | 1101.2 | 1103.7 | 991.3 | 943.6 | 927.6 | 925.6 | 904.5 | 939.4 | 1000.0 | 1097.6 | 1101.7 |
| 35° | 1194.6 | 1215.6 | 1064.7 | 1000.5 | 980.5 | 960.0 | 978.5 | 1009.8 | 1066.2 | 1212.6 | 1202.3 |
| 37.5° | 1408.7 | 1375.3 | 1224.4 | 1091.4 | 1078.1 | 1069.8 | 1084.7 | 1107.3 | 1222.8 | 1378.9 | 1426.6 |
| 40° | 1558.0 | 1542.1 | 1336.8 | 1241.8 | 1157.6 | 1201.8 | 1166.9 | 1254.1 | 1349.6 | 1543.2 | 1574.0 |
| 42.5° | 1789.6 | 1718.7 | 1507.7 | 1390.2 | 1302.9 | 1271.6 | 1291.1 | 1405.1 | 1526.7 | 1742.3 | 1802.9 |
| 45° | 2011.9 | 1902.5 | 1721.8 | 1618.1 | 1485.7 | 1452.8 | 1479.0 | 1613.0 | 1753.6 | 1924.1 | 2030.8 |
| 47.5° | 2238.8 | 2125.8 | 1927.1 | 1777.2 | 1668.9 | 1767.0 | 1681.2 | 1808.6 | 1948.7 | 2146.9 | 2241.8 |
| 50° | 2474.4 | 2349.1 | 2153.0 | 1989.8 | 1980.5 | 2067.3 | 1964.6 | 2029.8 | 2159.7 | 2365.0 | 2477.0 |
| 52.5° | 2744.9 | 2609.9 | 2413.8 | 2303.4 | 2325.0 | 2319.4 | 2298.8 | 2287.0 | 2414.8 | 2616.6 | 2749.5 |
| 55° | 3066.8 | 2921.0 | 2764.4 | 2713.6 | 2773.2 | 2709.0 | 2739.3 | 2735.2 | 2753.7 | 2897.9 | 3053.5 |
| 57.5° | 3455.9 | 3291.1 | 3134.1 | 3122.8 | 3199.2 | 3259.8 | 3205.9 | 3128.4 | 3096.1 | 3236.2 | 3414.3 |
| 60° | 3946.2 | 3743.9 | 3571.4 | 3536.0 | 3754.2 | 3753.7 | 3704.9 | 3531.4 | 3519.1 | 3677.7 | 3892.3 |
| 62.5° | 4487.8 | 4241.4 | 4053.0 | 3996.5 | 4338.4 | 4376.9 | 4224.9 | 3913.8 | 3977.5 | 4105.3 | 4360.0 |
| 65° | 4947.7 | 4651.5 | 4476.0 | 4460.6 | 4878.4 | 5048.4 | 4712.6 | 4287.1 | 4307.6 | 4413.9 | 4689.5 |
| 67.5° | 5247.5 | 4890.8 | 4751.1 | 4825.6 | 5345.1 | 5451.4 | 5139.2 | 4536.5 | 4463.7 | 4507.8 | 4837.4 |
| 70° | 5142.3 | 4750.1 | 4649.5 | 4830.2 | 5465.7 | 5626.4 | 5231.1 | 4466.7 | 4311.7 | 4313.7 | 4696.7 |
| 72.5° | 4345.1 | 3971.9 | 4019.6 | 4351.2 | 5180.3 | 5405.7 | 4806.1 | 4034.5 | 3717.2 | 3709.5 | 4057.1 |
| 75° | 2873.3 | 2623.8 | 2812.2 | 3329.1 | 4306.6 | 4767.6 | 3982.1 | 3162.3 | 2764.4 | 2635.1 | 2903.6 |
| 77.5° | 1256.7 | 1224.9 | 1383.5 | 1967.7 | 2935.9 | 3435.9 | 2852.7 | 2065.8 | 1503.6 | 1250.5 | 1366.0 |
| 80° | 336.8 | 329.6 | 413.8 | 746.4 | 1429.2 | 1892.2 | 1543.7 | 823.9 | 430.2 | 313.1 | 332.1 |
| 82.5° | 122.7 | 125.8 | 153.5 | 208.9 | 470.7 | 796.7 | 512.8 | 240.8 | 162.7 | 133.5 | 133.5 |
| 85° | 53.4 | 51.8 | 74.4 | 83.7 | 128.3 | 180.2 | 147.3 | 102.2 | 82.1 | 61.6 | 59.0 |
| 87.5° | 14.4 | 18.0 | 25.2 | 26.2 | 33.4 | 27.2 | 39.0 | 35.9 | 30.8 | 21.6 | 17.5 |
| 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)