

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: P695035

Luminaire Tested: **LXF.LXT-PA16-40-727-U-5WQ**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695035
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-727-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4263 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

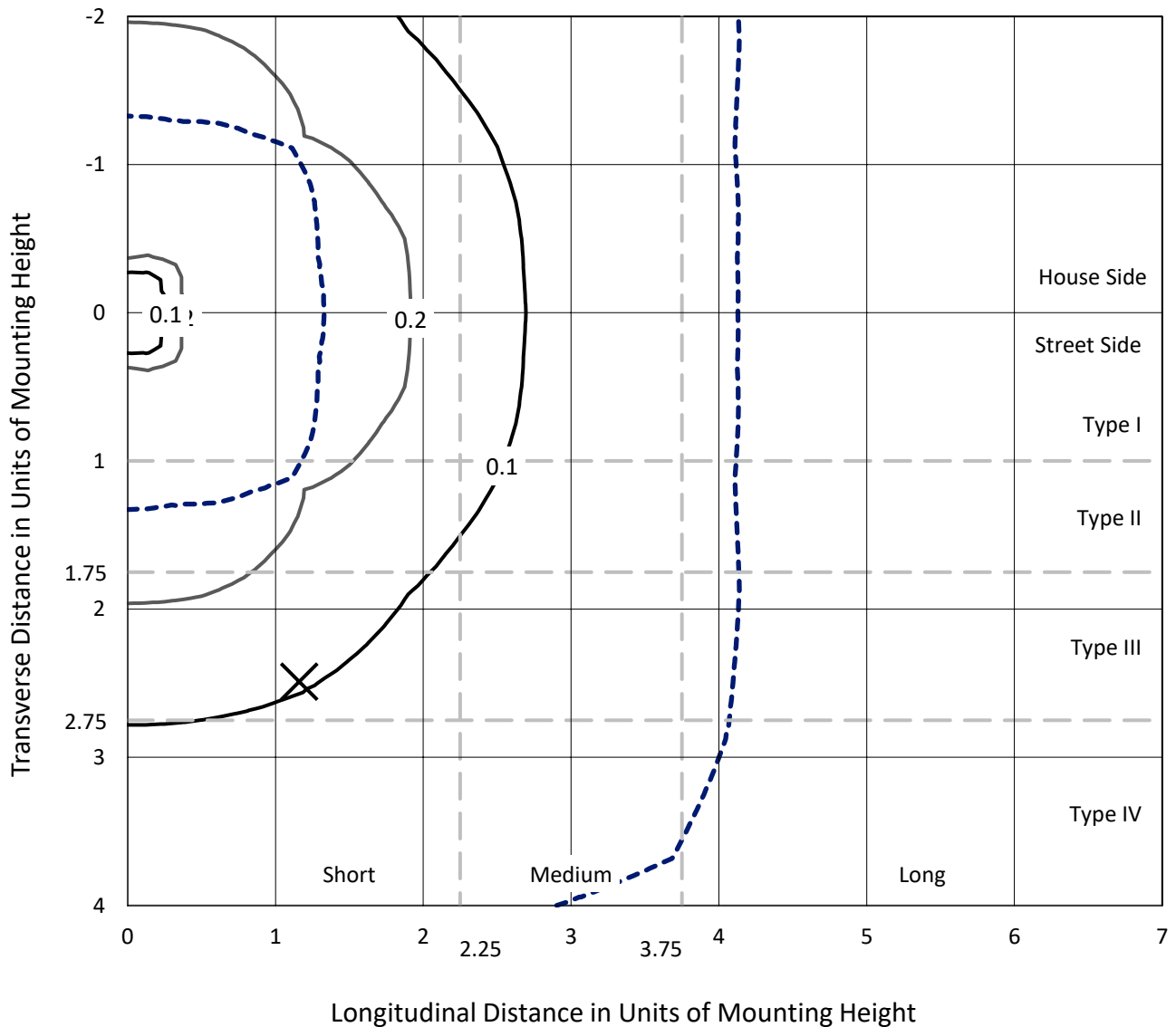
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

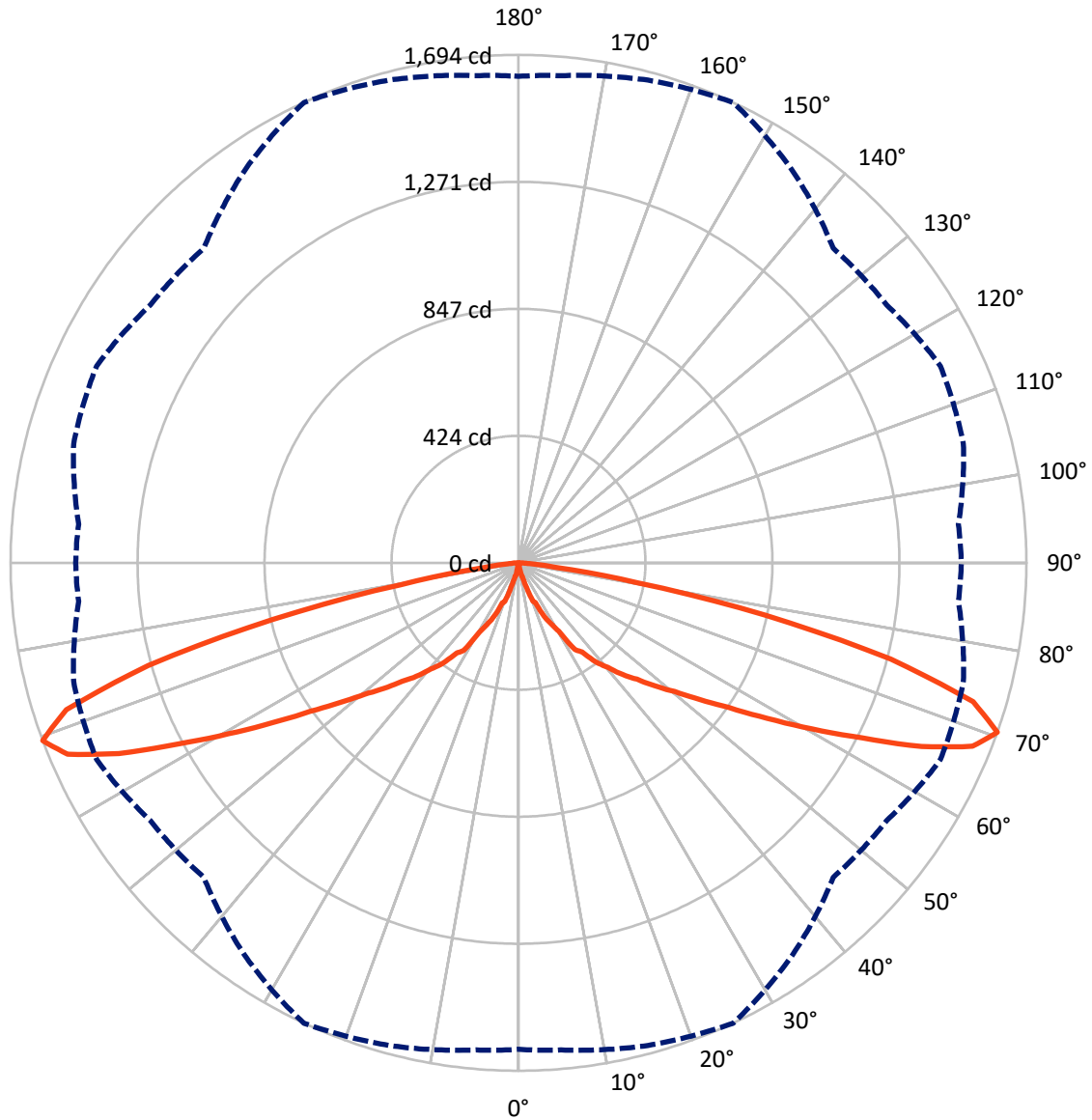
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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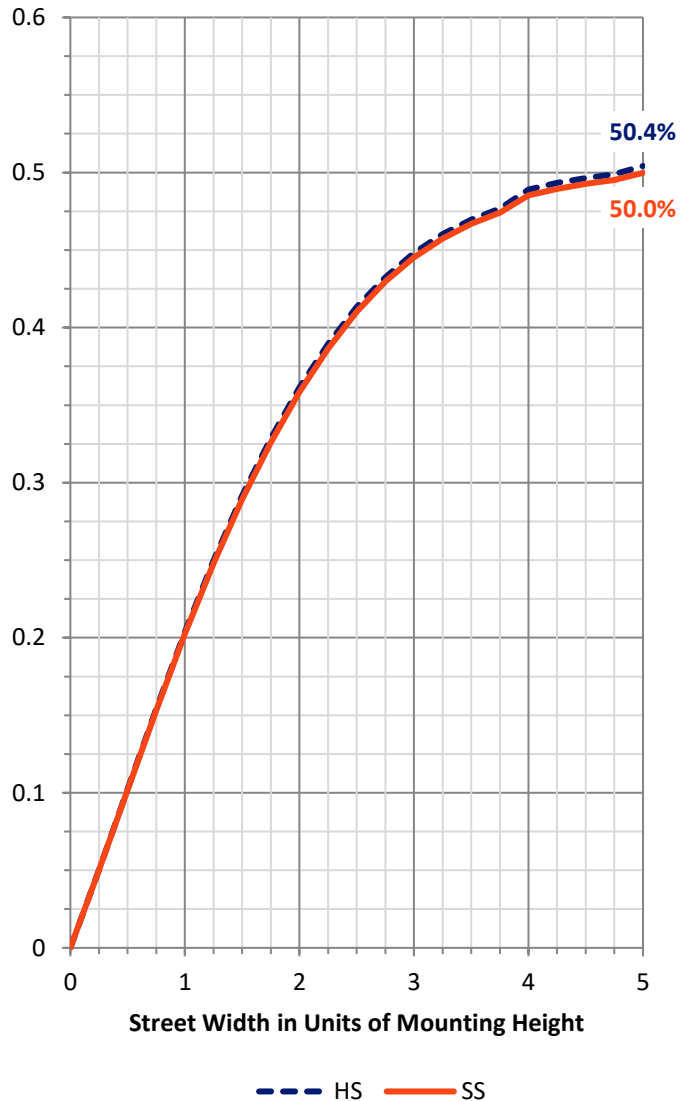
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2131.5 | 0.0 | 2131.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 2131.5 | 0.0 | 2131.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 4263.0 | 0.0 | 4263.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 0.1 | 0.0 |
| 10°-20° | 18.5 | 0.4 |
| 20°-30° | 99.1 | 2.3 |
| 30°-40° | 245.0 | 5.7 |
| 40°-50° | 437.8 | 10.3 |
| 50°-60° | 779.8 | 18.3 |
| 60°-70° | 1374.3 | 32.2 |
| 70°-80° | 1194.8 | 28.0 |
| 80°-90° | 113.6 | 2.7 |
| 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° | 4263.0 | 100.0 |
| 0°-180° | 4263.0 | 100.0 |

Coefficient of Utilization



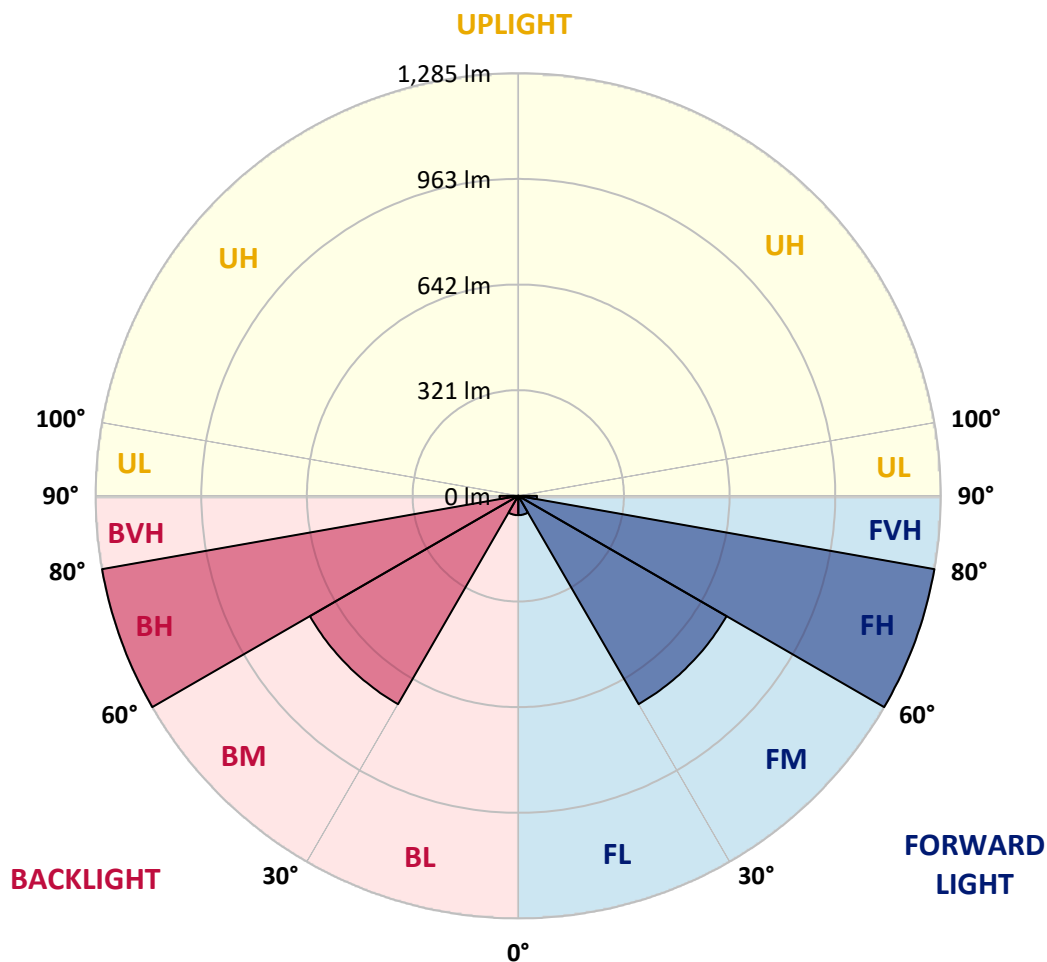
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 58.9 | 1.4 | | | |
| FM (30°-60°) | 731.3 | 17.2 | | | |
| FH (60°-80°) | 1284.6 | 30.1 | | | G1/1800 |
| FVH (80°-90°) | 56.8 | 1.3 | | | G1/100 |
| BL (0°-30°) | 58.9 | 1.4 | B0/110 | | |
| BM (30°-60°) | 731.3 | 17.2 | B1/1000 | | |
| BH (60°-80°) | 1284.6 | 30.1 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 56.8 | 1.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10° | 11.0 | 11.0 | 8.2 | 4.1 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12.5° | 46.7 | 46.7 | 45.3 | 42.6 | 22.0 | 2.7 | 1.4 | 2.7 | 12.4 | 16.5 | 17.9 |
| 15° | 57.7 | 55.0 | 52.2 | 48.1 | 45.3 | 31.6 | 16.5 | 75.6 | 89.3 | 92.1 | 92.1 |
| 17.5° | 136.0 | 134.7 | 126.4 | 85.2 | 50.8 | 52.2 | 100.3 | 92.1 | 94.8 | 97.6 | 97.6 |
| 20° | 145.7 | 145.7 | 141.5 | 137.4 | 94.8 | 107.2 | 115.4 | 98.9 | 122.3 | 171.8 | 171.8 |
| 22.5° | 196.5 | 192.4 | 158.0 | 144.3 | 164.9 | 142.9 | 126.4 | 175.9 | 193.8 | 197.9 | 199.3 |
| 25° | 247.4 | 247.4 | 240.5 | 196.5 | 180.0 | 171.8 | 186.9 | 208.9 | 207.5 | 219.9 | 224.0 |
| 27.5° | 268.0 | 266.6 | 252.9 | 230.9 | 236.4 | 219.9 | 226.7 | 236.4 | 292.7 | 305.1 | 306.5 |
| 30° | 362.8 | 362.8 | 354.5 | 265.2 | 252.9 | 251.5 | 261.1 | 292.7 | 310.6 | 320.2 | 324.3 |
| 32.5° | 380.7 | 379.3 | 372.4 | 344.9 | 287.2 | 280.3 | 305.1 | 309.2 | 409.5 | 430.1 | 431.5 |
| 35° | 449.4 | 450.7 | 432.9 | 365.5 | 355.9 | 320.2 | 325.7 | 394.4 | 434.3 | 450.7 | 452.1 |
| 37.5° | 483.7 | 482.4 | 474.1 | 420.5 | 375.2 | 349.1 | 377.9 | 420.5 | 461.7 | 483.7 | 485.1 |
| 40° | 522.2 | 522.2 | 511.2 | 459.0 | 419.1 | 375.2 | 409.5 | 456.2 | 505.7 | 522.2 | 523.6 |
| 42.5° | 562.1 | 564.8 | 553.8 | 509.8 | 456.2 | 405.4 | 446.6 | 498.8 | 556.6 | 564.8 | 567.6 |
| 45° | 625.3 | 621.1 | 608.8 | 553.8 | 496.1 | 442.5 | 486.5 | 552.4 | 612.9 | 623.9 | 626.6 |
| 47.5° | 689.9 | 685.7 | 670.6 | 614.3 | 549.7 | 489.2 | 538.7 | 618.4 | 678.9 | 687.1 | 694.0 |
| 50° | 754.4 | 749.0 | 744.8 | 674.7 | 614.3 | 551.1 | 600.5 | 687.1 | 744.8 | 753.1 | 754.4 |
| 52.5° | 825.9 | 824.5 | 823.2 | 757.2 | 695.4 | 622.5 | 677.5 | 762.7 | 824.5 | 825.9 | 827.3 |
| 55° | 915.2 | 913.9 | 916.6 | 852.0 | 802.5 | 725.6 | 775.1 | 860.3 | 916.6 | 909.7 | 909.7 |
| 57.5° | 1018.3 | 1014.2 | 1021.0 | 978.4 | 934.5 | 841.0 | 893.2 | 966.1 | 1016.9 | 1003.2 | 1004.6 |
| 60° | 1140.6 | 1144.7 | 1158.5 | 1124.1 | 1074.6 | 982.6 | 1040.3 | 1084.3 | 1137.9 | 1120.0 | 1120.0 |
| 62.5° | 1301.4 | 1298.6 | 1313.8 | 1286.3 | 1223.1 | 1140.6 | 1198.3 | 1224.4 | 1286.3 | 1267.0 | 1267.0 |
| 65° | 1467.7 | 1475.9 | 1484.2 | 1477.3 | 1383.8 | 1283.5 | 1346.7 | 1403.1 | 1429.2 | 1400.3 | 1399.0 |
| 67.5° | 1612.0 | 1606.5 | 1635.3 | 1633.9 | 1517.1 | 1399.0 | 1455.3 | 1526.8 | 1537.8 | 1492.4 | 1493.8 |
| 70° | 1623.0 | 1631.2 | 1666.9 | 1694.4 | 1595.5 | 1484.2 | 1499.3 | 1552.9 | 1536.4 | 1473.2 | 1477.3 |
| 72.5° | 1471.8 | 1481.4 | 1515.8 | 1585.9 | 1563.9 | 1519.9 | 1459.4 | 1437.4 | 1386.6 | 1337.1 | 1344.0 |
| 75° | 1081.5 | 1089.8 | 1169.5 | 1282.1 | 1366.0 | 1405.8 | 1298.6 | 1210.7 | 1154.3 | 1104.9 | 1115.9 |
| 77.5° | 585.4 | 601.9 | 698.1 | 841.0 | 1023.8 | 1109.0 | 1016.9 | 869.9 | 717.3 | 648.6 | 628.0 |
| 80° | 224.0 | 218.5 | 279.0 | 401.3 | 581.3 | 705.0 | 623.9 | 435.6 | 274.8 | 203.4 | 208.9 |
| 82.5° | 57.7 | 63.2 | 89.3 | 122.3 | 237.7 | 368.3 | 277.6 | 136.0 | 86.6 | 70.1 | 59.1 |
| 85° | 17.9 | 17.9 | 28.9 | 35.7 | 68.7 | 108.6 | 56.3 | 37.1 | 30.2 | 17.9 | 15.1 |
| 87.5° | 4.1 | 5.5 | 8.2 | 9.6 | 11.0 | 6.9 | 6.9 | 4.1 | 1.4 | 1.4 | 0.0 |
| 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)