

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: P316345

Luminaire Tested: **GAN-SA1A-722-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1A-722-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3778 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

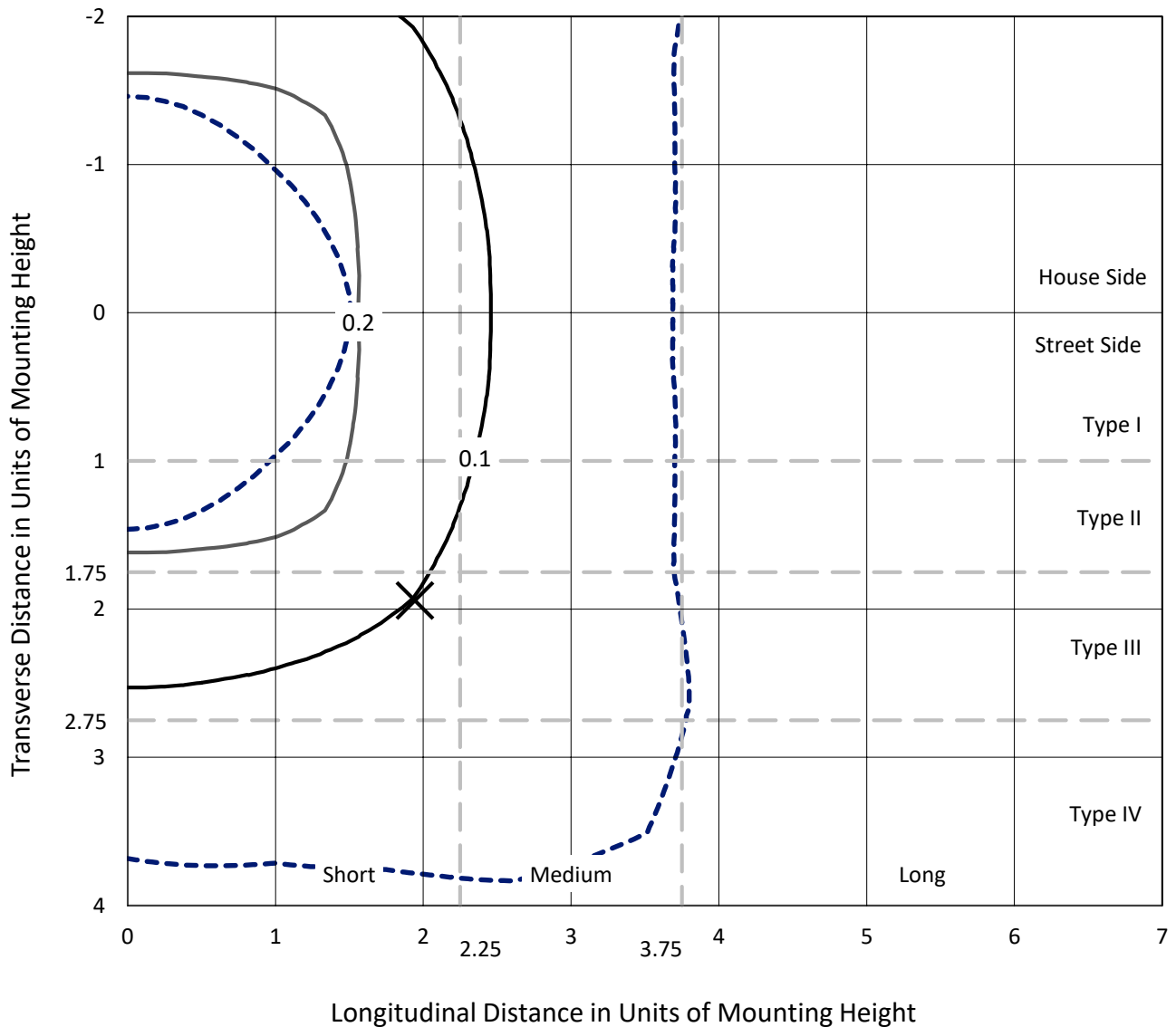
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

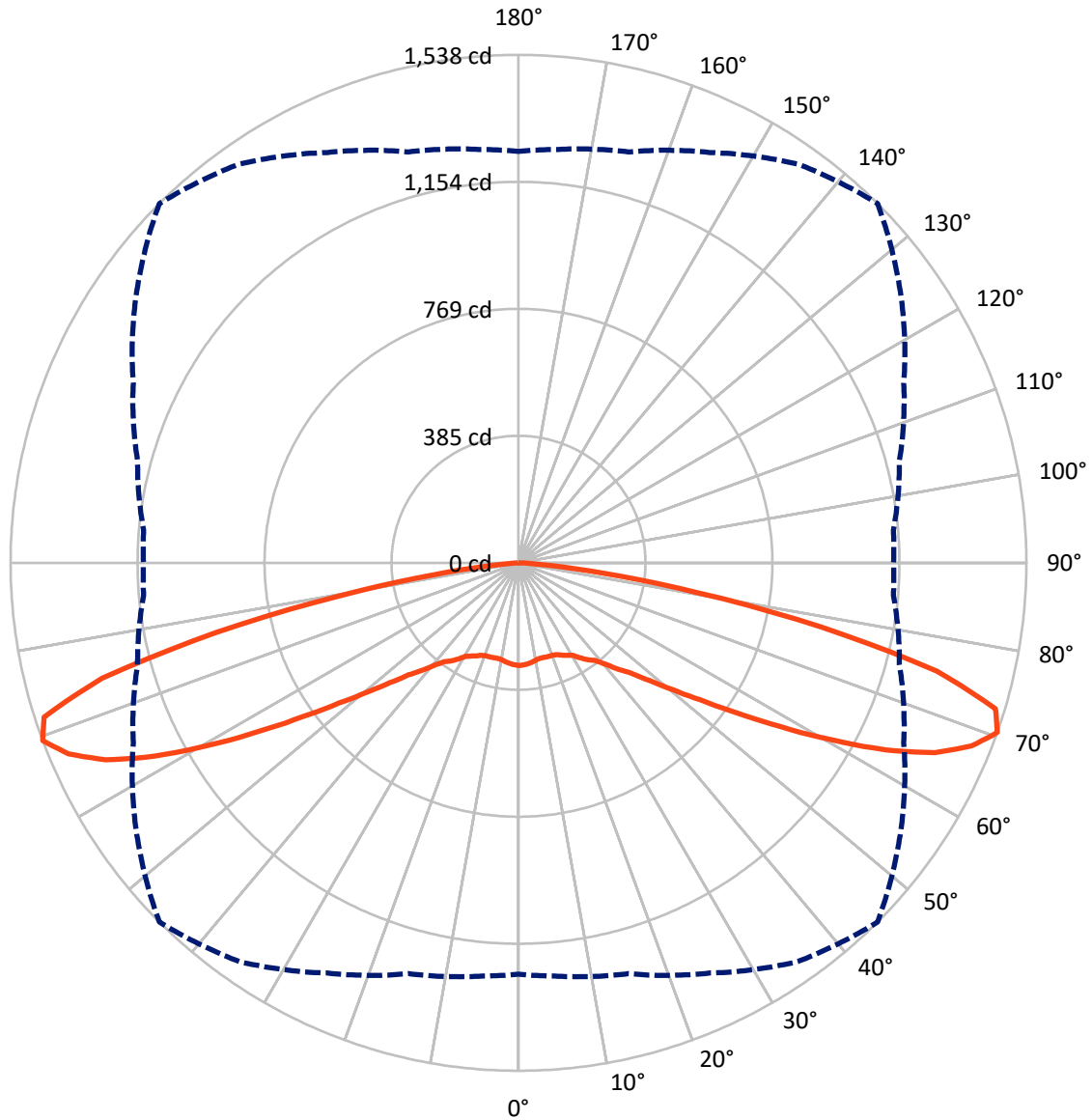
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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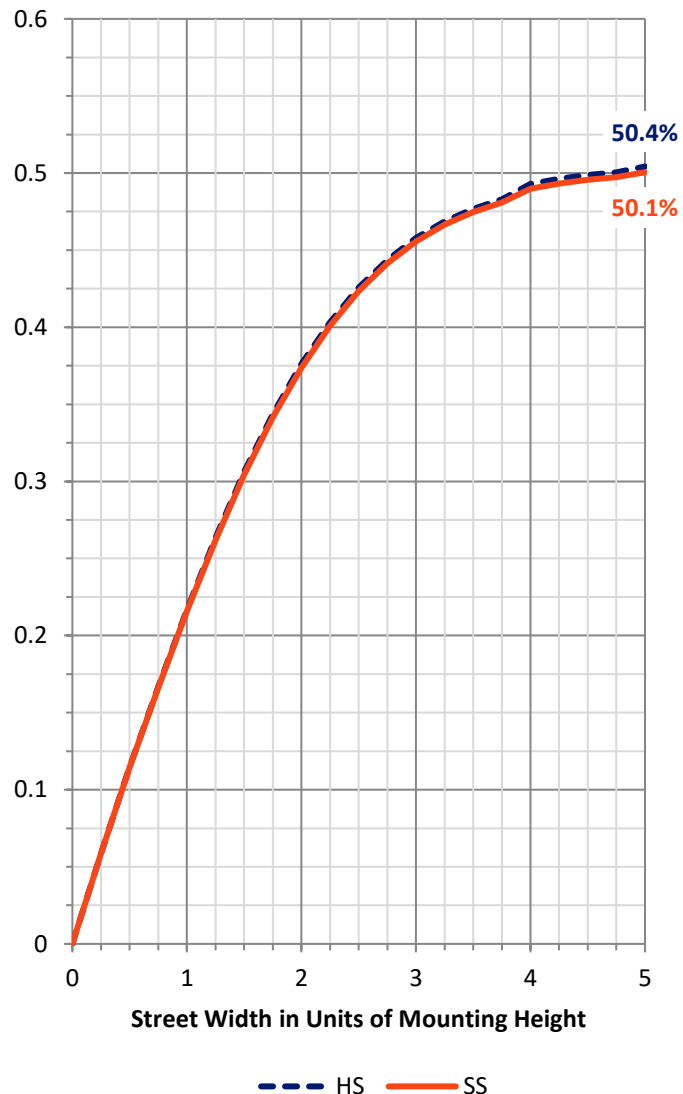
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1889.0 | 0.0 | 1889.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 1889.0 | 0.0 | 1889.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 3778.0 | 0.0 | 3778.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 29.0 | 0.8 |
| 10°-20° | 84.8 | 2.2 |
| 20°-30° | 144.5 | 3.8 |
| 30°-40° | 225.8 | 6.0 |
| 40°-50° | 382.7 | 10.1 |
| 50°-60° | 697.9 | 18.5 |
| 60°-70° | 1201.5 | 31.8 |
| 70°-80° | 941.8 | 24.9 |
| 80°-90° | 69.8 | 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° | 3778.0 | 100.0 |
| 0°-180° | 3778.0 | 100.0 |

Coefficient of Utilization



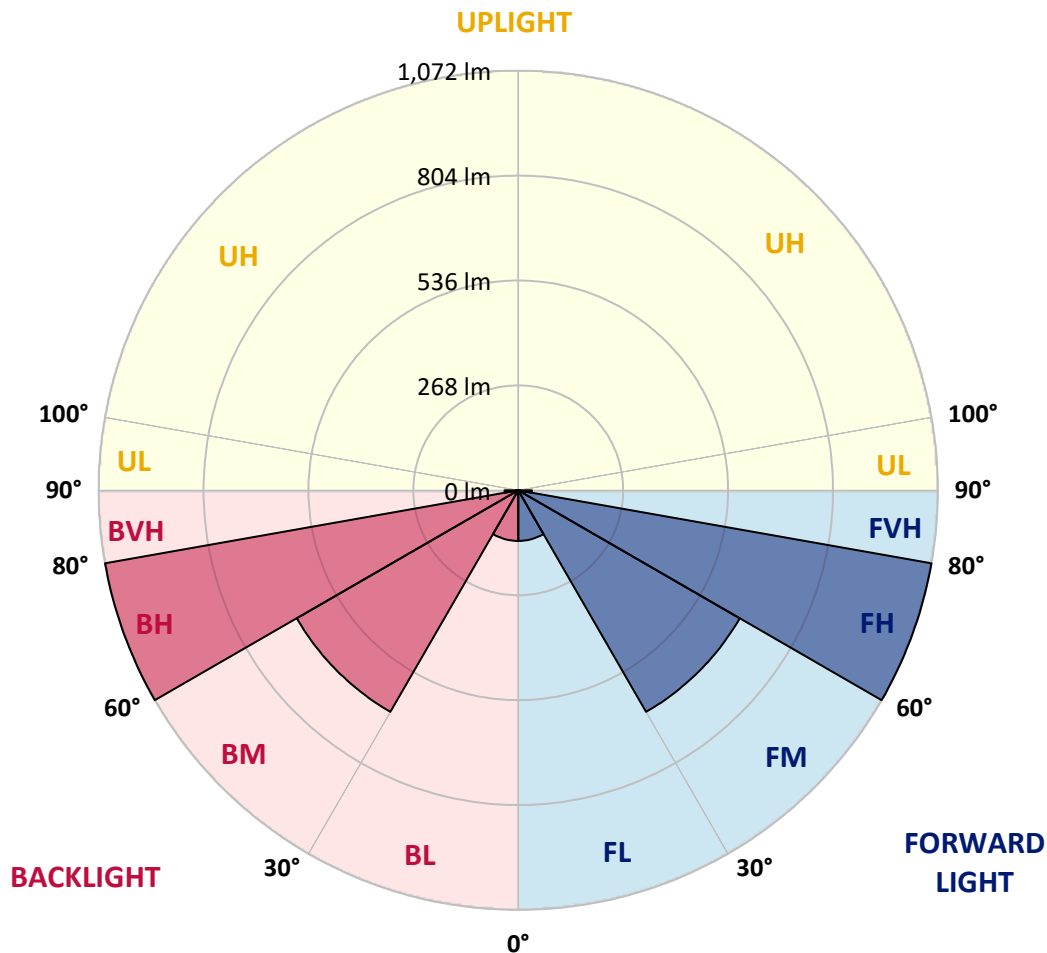
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 129.2 | 3.4 | | | |
| FM (30°-60°) | 653.2 | 17.3 | | | |
| FH (60°-80°) | 1071.7 | 28.4 | | | G1/1800 |
| FVH (80°-90°) | 34.9 | 0.9 | | | G1/100 |
| BL (0°-30°) | 129.2 | 3.4 | B1/500 | | |
| BM (30°-60°) | 653.2 | 17.3 | B1/1000 | | |
| BH (60°-80°) | 1071.7 | 28.4 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 34.9 | 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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 310.9 | 310.9 | 310.9 | 310.9 | 310.9 | 310.9 | 310.9 | 310.9 | 310.9 | 310.9 | 310.9 |
| 2.5° | 309.6 | 309.9 | 309.6 | 309.8 | 309.2 | 309.4 | 309.4 | 309.4 | 309.3 | 309.4 | 309.2 |
| 5° | 306.8 | 307.1 | 306.6 | 306.8 | 306.4 | 306.8 | 306.9 | 306.8 | 306.6 | 306.7 | 306.2 |
| 7.5° | 302.7 | 302.9 | 302.6 | 302.9 | 302.4 | 303.1 | 302.9 | 302.6 | 302.2 | 302.2 | 301.7 |
| 10° | 300.4 | 300.6 | 299.6 | 299.2 | 298.1 | 298.3 | 298.7 | 299.1 | 299.4 | 300.2 | 300.1 |
| 12.5° | 300.6 | 300.6 | 299.1 | 297.4 | 295.8 | 296.2 | 296.8 | 298.2 | 299.7 | 301.1 | 301.2 |
| 15° | 301.8 | 301.7 | 299.4 | 296.8 | 295.7 | 296.8 | 297.2 | 298.1 | 300.4 | 302.8 | 302.9 |
| 17.5° | 302.7 | 302.7 | 299.2 | 296.2 | 296.1 | 297.8 | 297.7 | 298.1 | 300.7 | 304.2 | 304.3 |
| 20° | 304.3 | 304.3 | 299.8 | 296.6 | 296.6 | 298.4 | 298.6 | 299.2 | 301.8 | 305.7 | 306.3 |
| 22.5° | 307.9 | 308.1 | 303.3 | 300.7 | 300.9 | 302.1 | 302.4 | 303.4 | 305.8 | 310.1 | 310.8 |
| 25° | 313.1 | 313.3 | 308.4 | 306.9 | 307.8 | 309.9 | 309.7 | 310.4 | 313.1 | 317.2 | 317.9 |
| 27.5° | 320.2 | 319.6 | 315.1 | 314.4 | 315.3 | 316.8 | 316.7 | 316.8 | 318.9 | 322.7 | 323.6 |
| 30° | 329.4 | 329.2 | 325.9 | 326.3 | 325.9 | 325.4 | 325.6 | 326.6 | 327.7 | 330.7 | 331.6 |
| 32.5° | 338.4 | 338.7 | 336.7 | 338.5 | 341.3 | 343.2 | 340.3 | 337.5 | 336.3 | 337.9 | 338.7 |
| 35° | 354.7 | 355.3 | 352.2 | 350.9 | 354.7 | 360.2 | 352.0 | 347.5 | 350.0 | 352.2 | 352.8 |
| 37.5° | 382.3 | 382.7 | 377.4 | 372.4 | 369.7 | 374.9 | 366.8 | 367.2 | 375.9 | 379.9 | 379.8 |
| 40° | 413.8 | 413.9 | 410.4 | 406.0 | 401.3 | 402.5 | 399.3 | 400.3 | 406.0 | 409.7 | 410.7 |
| 42.5° | 451.3 | 450.9 | 445.4 | 439.2 | 437.8 | 439.0 | 433.5 | 432.8 | 439.4 | 445.9 | 446.0 |
| 45° | 499.9 | 499.0 | 491.9 | 485.0 | 478.4 | 475.6 | 474.3 | 477.9 | 487.0 | 493.0 | 493.1 |
| 47.5° | 552.3 | 549.9 | 546.1 | 540.6 | 534.9 | 532.1 | 529.9 | 531.6 | 538.3 | 540.6 | 540.9 |
| 50° | 606.1 | 606.6 | 607.4 | 605.2 | 603.1 | 602.2 | 596.4 | 593.0 | 595.0 | 590.6 | 590.0 |
| 52.5° | 670.0 | 671.0 | 678.2 | 684.3 | 688.0 | 689.8 | 678.7 | 667.1 | 660.6 | 652.1 | 649.6 |
| 55° | 745.3 | 747.0 | 757.6 | 774.6 | 792.1 | 801.3 | 781.2 | 759.5 | 739.3 | 723.5 | 718.3 |
| 57.5° | 829.3 | 832.2 | 846.8 | 879.4 | 915.3 | 937.2 | 903.2 | 863.7 | 824.8 | 801.9 | 797.9 |
| 60° | 927.8 | 930.5 | 950.8 | 997.5 | 1055.6 | 1088.5 | 1037.0 | 972.4 | 924.0 | 902.2 | 894.8 |
| 62.5° | 1045.0 | 1045.3 | 1070.1 | 1124.7 | 1201.5 | 1247.2 | 1177.5 | 1091.1 | 1041.3 | 1014.9 | 1007.8 |
| 65° | 1171.1 | 1171.7 | 1197.5 | 1256.5 | 1335.8 | 1385.6 | 1306.8 | 1216.9 | 1155.9 | 1117.0 | 1111.5 |
| 67.5° | 1260.2 | 1262.8 | 1290.0 | 1360.9 | 1435.2 | 1480.0 | 1398.6 | 1296.8 | 1226.3 | 1180.0 | 1175.4 |
| 70° | 1246.0 | 1256.2 | 1288.1 | 1370.9 | 1474.2 | 1538.2 | 1413.4 | 1287.3 | 1194.4 | 1139.6 | 1135.7 |
| 72.5° | 1086.6 | 1106.3 | 1148.7 | 1257.5 | 1422.6 | 1510.7 | 1332.3 | 1153.0 | 1047.8 | 1001.1 | 994.2 |
| 75° | 740.0 | 771.8 | 835.9 | 992.8 | 1215.4 | 1308.0 | 1121.6 | 919.3 | 820.3 | 755.8 | 751.1 |
| 77.5° | 329.9 | 337.2 | 418.4 | 599.0 | 838.7 | 939.3 | 814.9 | 601.4 | 451.4 | 360.0 | 340.8 |
| 80° | 92.0 | 93.1 | 124.2 | 223.1 | 419.8 | 551.9 | 450.6 | 234.3 | 131.7 | 92.9 | 87.5 |
| 82.5° | 29.2 | 31.7 | 38.7 | 57.9 | 141.1 | 251.8 | 144.8 | 62.5 | 44.5 | 35.5 | 32.0 |
| 85° | 14.2 | 14.1 | 19.6 | 23.5 | 36.0 | 55.7 | 38.4 | 29.0 | 25.4 | 16.9 | 15.2 |
| 87.5° | 6.0 | 6.1 | 9.1 | 8.2 | 10.5 | 9.0 | 12.4 | 13.0 | 13.6 | 7.5 | 6.5 |
| 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)