

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: P969873

Luminaire Tested: **NVN-SB6A-740-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P969873
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB6A-740-U-T2
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29227.9 lumens
Efficiency: N/A
Efficacy: 171.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

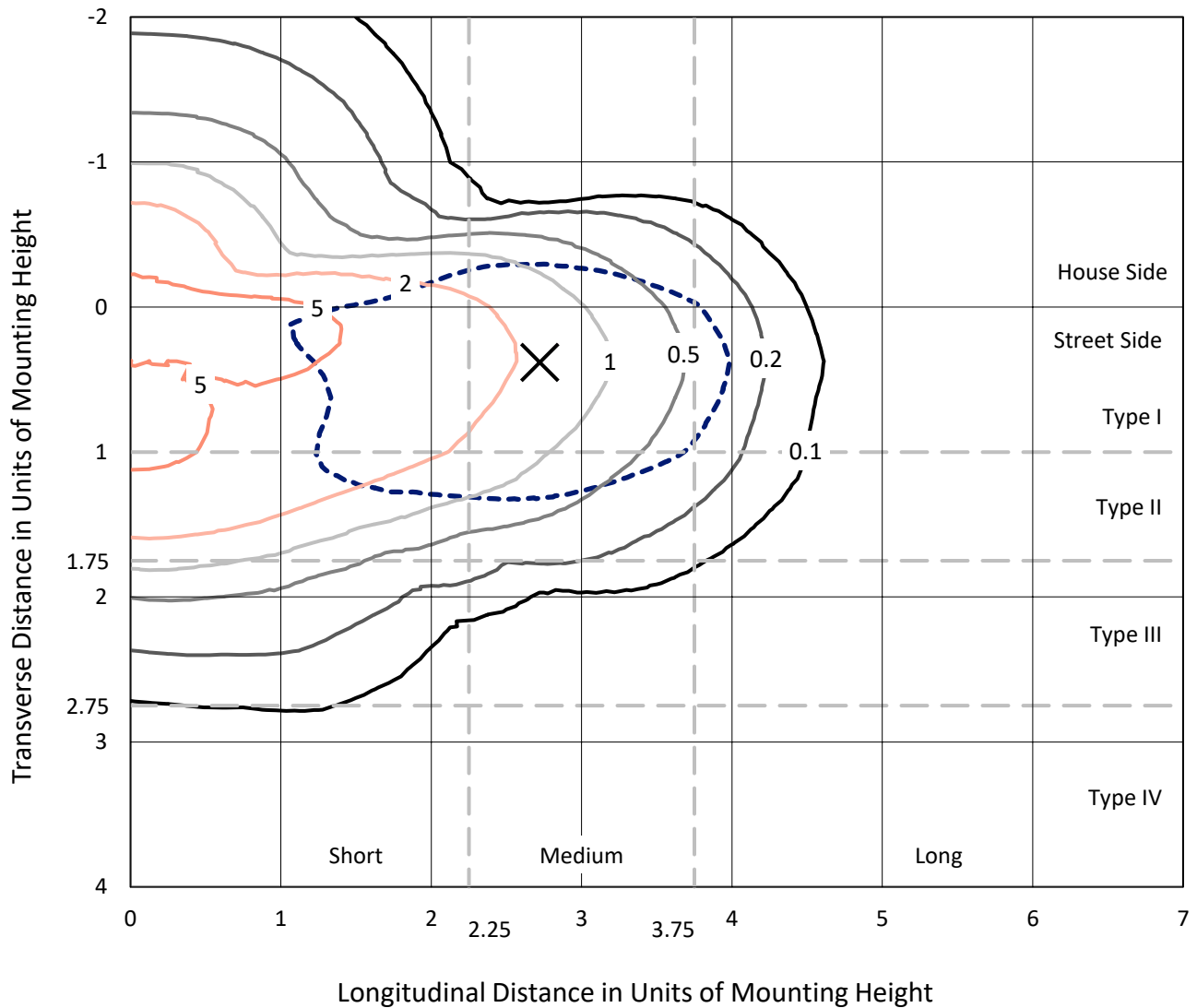
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

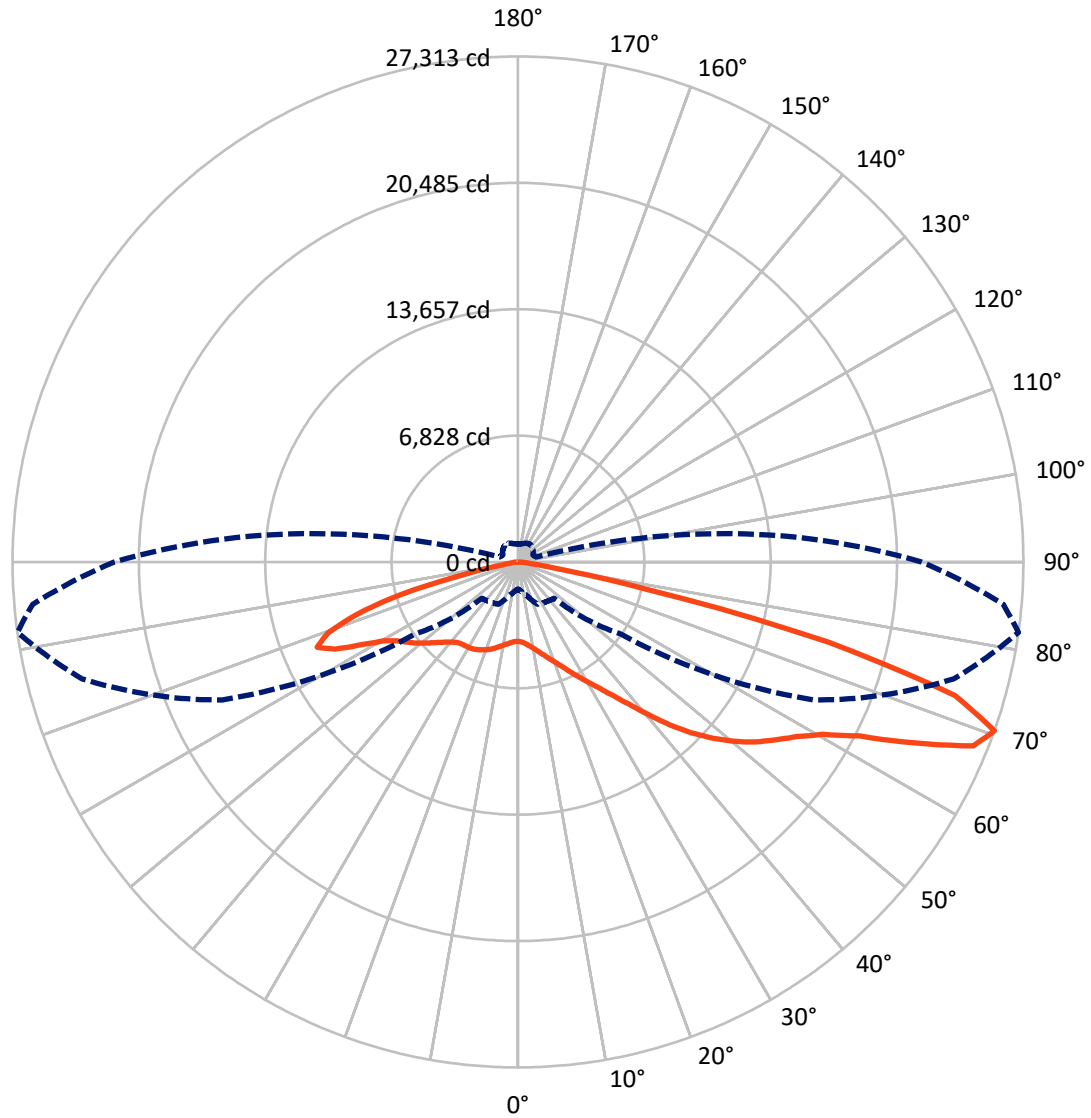
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7205.4 | 0.0 | 7205.4 |
| | % Fixture | 24.7 | 0.0 | 24.7 |
| Street Side | Lumens | 22022.5 | 0.0 | 22022.5 |
| | % Fixture | 75.3 | 0.0 | 75.3 |
| Total | Lumens | 29227.9 | 0.0 | 29227.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 404.6 | 1.4 |
| 10°-20° | 1162.4 | 4.0 |
| 20°-30° | 1944.6 | 6.7 |
| 30°-40° | 3038.0 | 10.4 |
| 40°-50° | 4838.4 | 16.6 |
| 50°-60° | 6733.2 | 23.0 |
| 60°-70° | 7043.2 | 24.1 |
| 70°-80° | 3681.2 | 12.6 |
| 80°-90° | 382.3 | 1.3 |
| 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° | 29227.9 | 100.0 |
| 0°-180° | 29227.9 | 100.0 |

Coefficient of Utilization

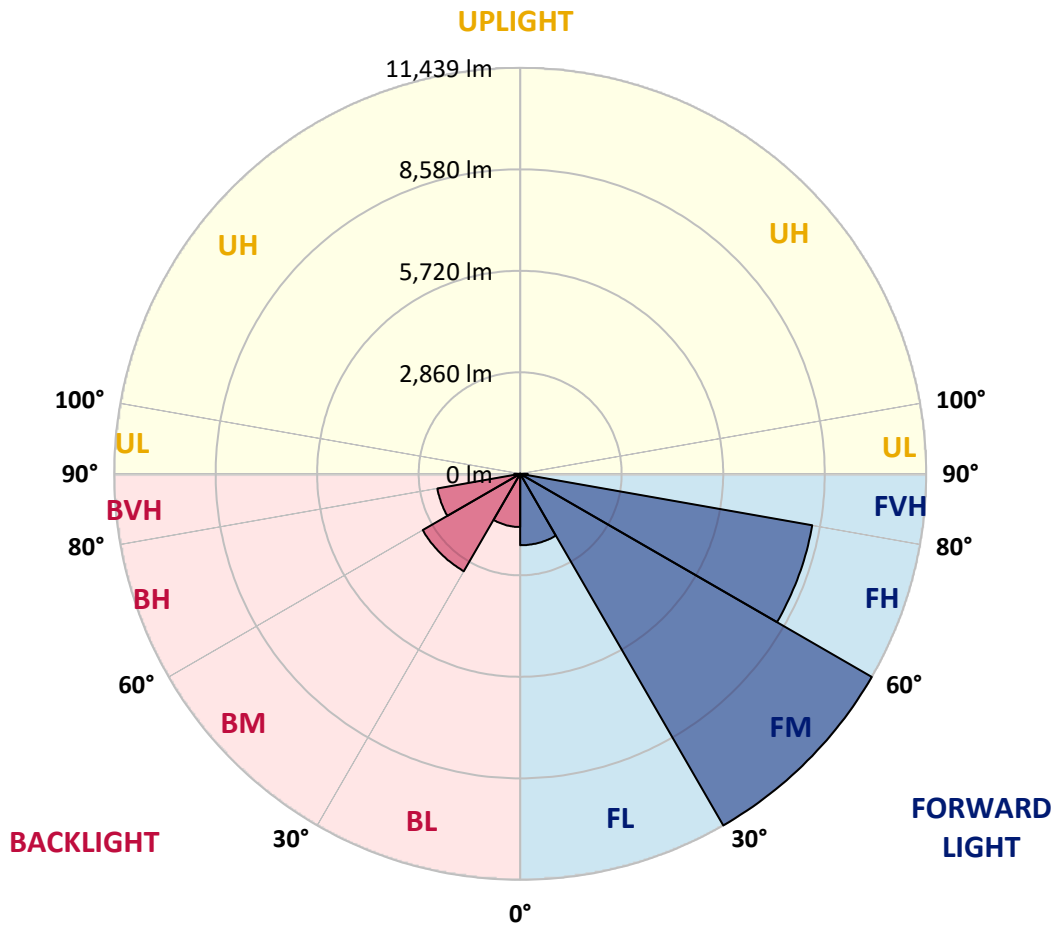


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 2012.7 | 6.9 | | | |
| FM (30°-60°) | 11439.5 | 39.1 | | | |
| FH (60°-80°) | 8356.3 | 28.6 | | | G4/12000 |
| FVH (80°-90°) | 214.0 | 0.7 | | | G2/225 |
| BL (0°-30°) | 1499.0 | 5.1 | B3/2500 | | |
| BM (30°-60°) | 3170.1 | 10.8 | B3/5000 | | |
| BH (60°-80°) | 2368.1 | 8.1 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 168.3 | 0.6 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4285.2 | 4285.2 | 4285.2 | 4285.2 | 4285.2 | 4285.2 | 4285.2 | 4285.2 | 4285.2 | 4285.2 | 4285.2 |
| 2.5° | 4387.5 | 4412.3 | 4404.6 | 4396.8 | 4396.8 | 4386.0 | 4384.4 | 4369.0 | 4356.6 | 4336.4 | 4331.6 |
| 5° | 4443.4 | 4469.7 | 4466.6 | 4472.8 | 4493.0 | 4497.6 | 4502.3 | 4493.0 | 4468.2 | 4443.4 | 4432.5 |
| 7.5° | 4393.8 | 4423.2 | 4432.5 | 4469.7 | 4531.7 | 4587.6 | 4629.5 | 4646.5 | 4623.3 | 4587.6 | 4570.6 |
| 10° | 4226.3 | 4258.8 | 4291.4 | 4379.8 | 4489.9 | 4621.7 | 4733.3 | 4800.1 | 4795.5 | 4761.3 | 4731.8 |
| 12.5° | 3886.6 | 3920.7 | 3990.5 | 4162.6 | 4364.2 | 4596.9 | 4804.7 | 4944.3 | 4992.4 | 4967.6 | 4916.4 |
| 15° | 3615.2 | 3644.7 | 3697.4 | 3874.2 | 4136.3 | 4489.9 | 4831.1 | 5102.6 | 5225.0 | 5211.1 | 5149.0 |
| 17.5° | 3607.4 | 3619.8 | 3652.4 | 3736.1 | 3937.7 | 4322.4 | 4803.2 | 5257.6 | 5491.7 | 5490.2 | 5412.7 |
| 20° | 3743.9 | 3748.5 | 3767.2 | 3784.2 | 3899.0 | 4195.2 | 4731.8 | 5386.3 | 5791.1 | 5791.1 | 5707.4 |
| 22.5° | 3933.1 | 3930.1 | 3948.6 | 3933.1 | 3989.0 | 4184.4 | 4686.8 | 5499.5 | 6124.6 | 6149.4 | 6043.9 |
| 25° | 4217.0 | 4201.4 | 4196.8 | 4161.1 | 4172.0 | 4285.2 | 4736.5 | 5628.3 | 6520.0 | 6571.2 | 6439.4 |
| 27.5° | 4595.4 | 4570.6 | 4553.5 | 4471.3 | 4443.4 | 4493.0 | 4888.4 | 5783.4 | 6960.5 | 7048.9 | 6881.4 |
| 30° | 5088.5 | 5043.6 | 5018.7 | 4876.0 | 4775.3 | 4783.1 | 5118.0 | 5989.6 | 7421.1 | 7563.8 | 7351.3 |
| 32.5° | 5761.6 | 5691.8 | 5625.2 | 5391.0 | 5206.4 | 5145.9 | 5414.3 | 6274.9 | 7920.5 | 8148.5 | 7875.5 |
| 35° | 6515.4 | 6459.5 | 6388.2 | 6026.9 | 5743.1 | 5603.5 | 5814.4 | 6673.6 | 8505.2 | 8866.6 | 8511.4 |
| 37.5° | 7241.2 | 7193.1 | 7227.3 | 6740.3 | 6374.3 | 6171.1 | 6338.6 | 7208.6 | 9226.3 | 9759.8 | 9308.5 |
| 40° | 7991.8 | 7954.6 | 7959.3 | 7494.0 | 7067.5 | 6839.5 | 6974.4 | 7880.2 | 10053.0 | 10822.3 | 10267.0 |
| 42.5° | 8807.6 | 8779.7 | 8686.7 | 8274.1 | 7794.9 | 7582.4 | 7706.5 | 8655.6 | 10940.1 | 12032.0 | 11318.6 |
| 45° | 9721.1 | 9704.1 | 9617.2 | 9144.2 | 8595.1 | 8356.3 | 8523.8 | 9511.8 | 11831.9 | 13170.3 | 12374.7 |
| 47.5° | 10510.6 | 10524.5 | 10513.6 | 10115.0 | 9545.8 | 9195.4 | 9395.5 | 10405.1 | 12661.6 | 14240.5 | 13387.5 |
| 50° | 10890.5 | 10963.4 | 11070.4 | 10946.4 | 10592.8 | 10236.1 | 10274.8 | 11267.4 | 13452.6 | 15243.9 | 14358.3 |
| 52.5° | 10692.0 | 10830.0 | 11121.6 | 11320.1 | 11456.6 | 11382.1 | 11278.3 | 12123.5 | 14197.1 | 16149.7 | 15276.5 |
| 55° | 9952.2 | 10146.1 | 10630.0 | 11109.2 | 11805.5 | 12346.8 | 12483.3 | 13072.6 | 14922.9 | 16946.8 | 16145.0 |
| 57.5° | 8604.5 | 8919.3 | 9353.5 | 10322.9 | 11495.4 | 12813.6 | 13888.4 | 14389.4 | 15692.1 | 17798.3 | 17053.8 |
| 60° | 6293.6 | 6715.5 | 7255.2 | 8697.5 | 10409.7 | 12563.9 | 15084.2 | 16411.8 | 16785.5 | 18901.0 | 18237.2 |
| 62.5° | 4027.7 | 4288.3 | 4784.6 | 6143.1 | 8111.2 | 11284.4 | 15450.2 | 18939.7 | 18638.9 | 20709.3 | 20011.4 |
| 65° | 2757.6 | 2925.0 | 3379.4 | 4142.5 | 5243.6 | 8399.8 | 14470.0 | 20835.0 | 21582.5 | 23575.4 | 23045.0 |
| 67.5° | 2003.8 | 2131.0 | 2518.7 | 3187.1 | 3416.6 | 4970.6 | 11228.6 | 20748.2 | 24443.9 | 26528.3 | 25703.3 |
| 70° | 1460.9 | 1550.9 | 1876.6 | 2518.7 | 2628.8 | 2765.2 | 6802.3 | 17637.0 | 24381.9 | 27313.2 | 26325.2 |
| 72.5° | 1082.5 | 1144.6 | 1363.2 | 1954.2 | 2127.9 | 1867.3 | 3367.0 | 12818.3 | 20951.3 | 24704.4 | 23912.0 |
| 75° | 783.2 | 829.7 | 991.1 | 1495.1 | 1702.9 | 1422.2 | 1679.7 | 7490.9 | 14614.2 | 17378.0 | 17517.6 |
| 77.5° | 598.7 | 634.4 | 739.7 | 1094.9 | 1363.2 | 1067.0 | 1042.2 | 3446.2 | 6929.5 | 6963.6 | 7354.5 |
| 80° | 480.8 | 504.1 | 561.4 | 770.8 | 1045.3 | 798.7 | 679.3 | 1391.1 | 2189.9 | 1853.3 | 1944.8 |
| 82.5° | 353.6 | 392.4 | 474.6 | 541.3 | 747.5 | 550.5 | 414.1 | 702.5 | 832.8 | 716.5 | 722.7 |
| 85° | 201.6 | 228.0 | 286.9 | 387.8 | 477.6 | 336.5 | 237.3 | 311.7 | 387.8 | 318.0 | 283.8 |
| 87.5° | 71.3 | 93.1 | 100.9 | 152.0 | 207.9 | 139.6 | 91.5 | 90.0 | 127.2 | 94.6 | 79.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4285.2 | 4285.2 | 4285.2 | 4285.2 | 4285.2 | 4285.2 | 4285.2 | 4285.2 | 4285.2 | 4285.2 | 4285.2 |
| 2.5° | 4316.2 | 4308.5 | 4277.4 | 4235.5 | 4192.1 | 4150.2 | 4136.3 | 4106.9 | 4086.7 | 4075.8 | 4088.2 |
| 5° | 4403.1 | 4378.2 | 4305.3 | 4212.2 | 4114.6 | 4009.1 | 3934.7 | 3866.4 | 3816.8 | 3770.3 | 3788.9 |
| 7.5° | 4527.1 | 4483.7 | 4358.1 | 4195.2 | 4021.5 | 3846.3 | 3716.0 | 3616.7 | 3550.1 | 3506.6 | 3516.0 |
| 10° | 4671.3 | 4604.7 | 4412.3 | 4168.9 | 3900.5 | 3649.3 | 3495.8 | 3410.5 | 3368.6 | 3345.3 | 3351.5 |
| 12.5° | 4837.3 | 4742.7 | 4468.2 | 4108.4 | 3716.0 | 3429.0 | 3323.6 | 3298.8 | 3300.3 | 3301.9 | 3305.0 |
| 15° | 5042.0 | 4910.2 | 4513.2 | 3976.6 | 3475.6 | 3260.0 | 3241.4 | 3281.7 | 3323.6 | 3343.8 | 3342.2 |
| 17.5° | 5273.1 | 5087.0 | 4520.9 | 3759.4 | 3239.8 | 3151.5 | 3210.4 | 3297.2 | 3360.9 | 3388.8 | 3394.9 |
| 20° | 5521.3 | 5266.9 | 4465.1 | 3452.3 | 3046.0 | 3063.0 | 3168.5 | 3280.2 | 3350.0 | 3385.7 | 3394.9 |
| 22.5° | 5805.1 | 5459.3 | 4331.6 | 3129.7 | 2887.8 | 2966.9 | 3091.0 | 3199.5 | 3272.4 | 3308.1 | 3317.4 |
| 25° | 6129.2 | 5674.8 | 4122.3 | 2858.3 | 2751.3 | 2858.3 | 2982.4 | 3072.3 | 3131.3 | 3163.9 | 3173.2 |
| 27.5° | 6489.1 | 5899.7 | 3843.1 | 2642.8 | 2631.9 | 2746.7 | 2849.0 | 2918.8 | 2949.8 | 2974.7 | 2984.0 |
| 30° | 6850.4 | 6104.4 | 3505.1 | 2479.9 | 2528.0 | 2636.5 | 2709.5 | 2740.4 | 2749.8 | 2754.4 | 2765.2 |
| 32.5° | 7241.2 | 6281.2 | 3149.9 | 2345.0 | 2428.7 | 2529.5 | 2573.0 | 2586.9 | 2543.5 | 2514.0 | 2523.3 |
| 35° | 7714.3 | 6470.4 | 2802.5 | 2238.0 | 2331.1 | 2417.9 | 2431.8 | 2419.4 | 2368.3 | 2307.8 | 2310.9 |
| 37.5° | 8298.9 | 6706.2 | 2524.9 | 2161.9 | 2239.5 | 2296.9 | 2279.8 | 2276.7 | 2281.3 | 2210.0 | 2214.7 |
| 40° | 9015.5 | 7013.3 | 2321.7 | 2103.0 | 2165.1 | 2177.5 | 2129.4 | 2155.8 | 2179.0 | 2070.5 | 2073.6 |
| 42.5° | 9811.1 | 7383.9 | 2193.0 | 2062.7 | 2103.0 | 2073.6 | 1999.2 | 2028.6 | 2025.5 | 1882.8 | 1881.3 |
| 45° | 10622.2 | 7787.1 | 2148.0 | 2033.3 | 2045.7 | 1986.8 | 1904.6 | 1912.2 | 1847.2 | 1718.4 | 1723.0 |
| 47.5° | 11428.6 | 8219.9 | 2176.0 | 2008.4 | 1974.4 | 1907.6 | 1844.1 | 1809.9 | 1713.8 | 1617.6 | 1617.6 |
| 50° | 12219.6 | 8674.3 | 2278.3 | 1958.8 | 1876.6 | 1837.8 | 1791.3 | 1730.8 | 1628.4 | 1546.2 | 1540.1 |
| 52.5° | 12953.2 | 9131.7 | 2393.1 | 1876.6 | 1754.1 | 1777.4 | 1747.8 | 1678.1 | 1577.3 | 1493.5 | 1495.1 |
| 55° | 13648.1 | 9589.3 | 2438.1 | 1763.4 | 1639.3 | 1724.7 | 1707.5 | 1578.8 | 1457.9 | 1389.6 | 1383.4 |
| 57.5° | 14404.8 | 10139.9 | 2388.5 | 1619.2 | 1546.2 | 1664.1 | 1599.0 | 1456.3 | 1386.5 | 1335.4 | 1330.7 |
| 60° | 15453.3 | 11003.7 | 2281.3 | 1440.8 | 1457.9 | 1574.2 | 1462.5 | 1403.5 | 1327.6 | 1270.2 | 1267.1 |
| 62.5° | 17195.0 | 12615.1 | 2109.2 | 1264.0 | 1353.9 | 1440.8 | 1397.4 | 1338.4 | 1260.9 | 1205.1 | 1205.1 |
| 65° | 19769.5 | 14854.6 | 1785.1 | 1126.0 | 1237.6 | 1310.6 | 1327.6 | 1268.6 | 1188.0 | 1129.0 | 1132.2 |
| 67.5° | 21940.7 | 16259.8 | 1350.8 | 1011.2 | 1118.2 | 1205.1 | 1253.2 | 1195.8 | 1110.5 | 1053.1 | 1054.6 |
| 70° | 21821.3 | 15239.3 | 1031.4 | 898.0 | 1012.7 | 1101.2 | 1163.2 | 1118.2 | 1026.7 | 972.4 | 977.0 |
| 72.5° | 19381.7 | 12748.5 | 834.4 | 783.2 | 905.7 | 992.6 | 1067.0 | 1032.9 | 939.8 | 887.1 | 887.1 |
| 75° | 14238.9 | 9049.6 | 666.9 | 666.9 | 772.3 | 879.3 | 961.6 | 939.8 | 854.5 | 817.3 | 806.5 |
| 77.5° | 6002.0 | 3796.6 | 522.6 | 553.7 | 642.1 | 755.3 | 857.6 | 865.4 | 791.0 | 837.5 | 759.9 |
| 80° | 1595.9 | 1046.8 | 398.6 | 435.8 | 504.1 | 623.5 | 746.0 | 742.9 | 662.3 | 618.8 | 575.4 |
| 82.5° | 607.9 | 412.6 | 283.8 | 307.1 | 364.5 | 477.6 | 590.9 | 609.5 | 528.9 | 457.6 | 457.6 |
| 85° | 234.2 | 176.8 | 175.3 | 184.6 | 212.5 | 316.4 | 446.7 | 462.2 | 398.6 | 338.1 | 348.9 |
| 87.5° | 60.5 | 52.7 | 65.1 | 62.0 | 97.7 | 169.0 | 255.9 | 265.2 | 243.5 | 141.1 | 201.6 |
| 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)