

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: P528239

Luminaire Tested: **GLAN-SA3B-740-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528239
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3B-740-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10020 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

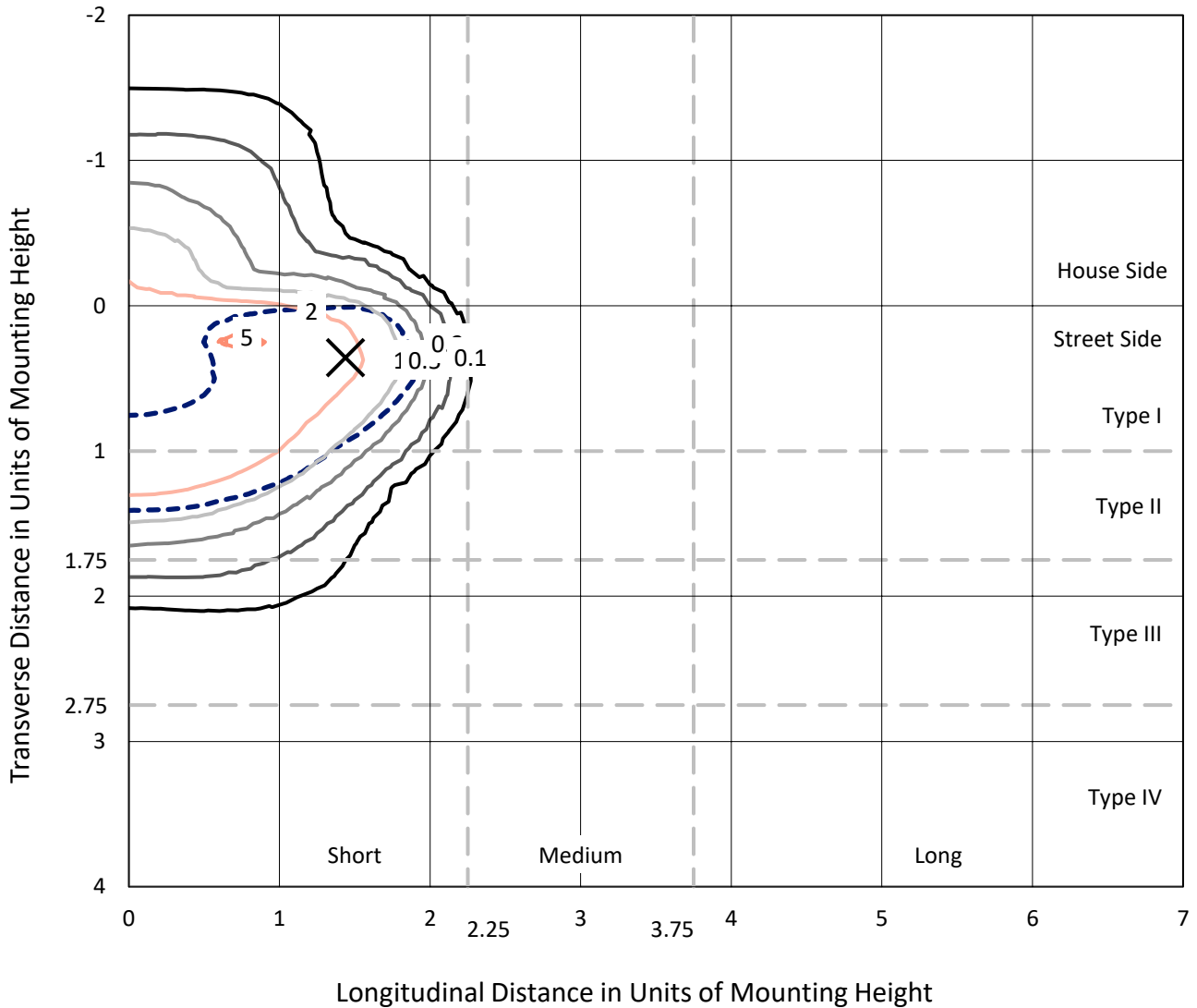
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

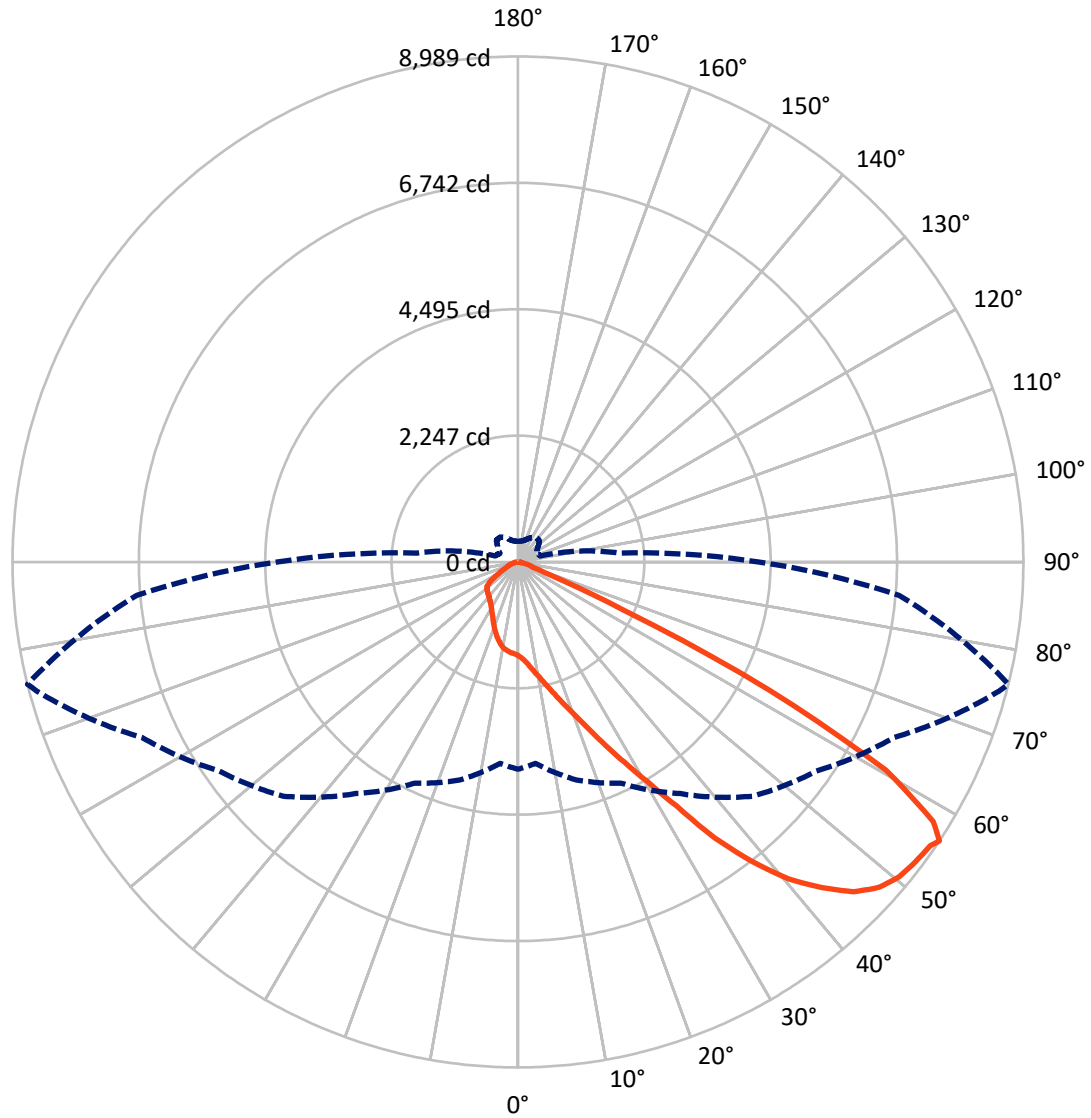
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1574.1 | 0.0 | 1574.1 |
| | % Fixture | 15.7 | 0.0 | 15.7 |
| Street Side | Lumens | 8445.9 | 0.0 | 8445.9 |
| | % Fixture | 84.3 | 0.0 | 84.3 |
| Total | Lumens | 10020.0 | 0.0 | 10020.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 168.0 | 1.7 |
| 10°-20° | 539.8 | 5.4 |
| 20°-30° | 978.7 | 9.8 |
| 30°-40° | 1687.9 | 16.8 |
| 40°-50° | 2742.0 | 27.4 |
| 50°-60° | 2890.2 | 28.8 |
| 60°-70° | 883.1 | 8.8 |
| 70°-80° | 113.2 | 1.1 |
| 80°-90° | 17.2 | 0.2 |
| 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° | 10020.0 | 100.0 |
| 0°-180° | 10020.0 | 100.0 |

Coefficient of Utilization

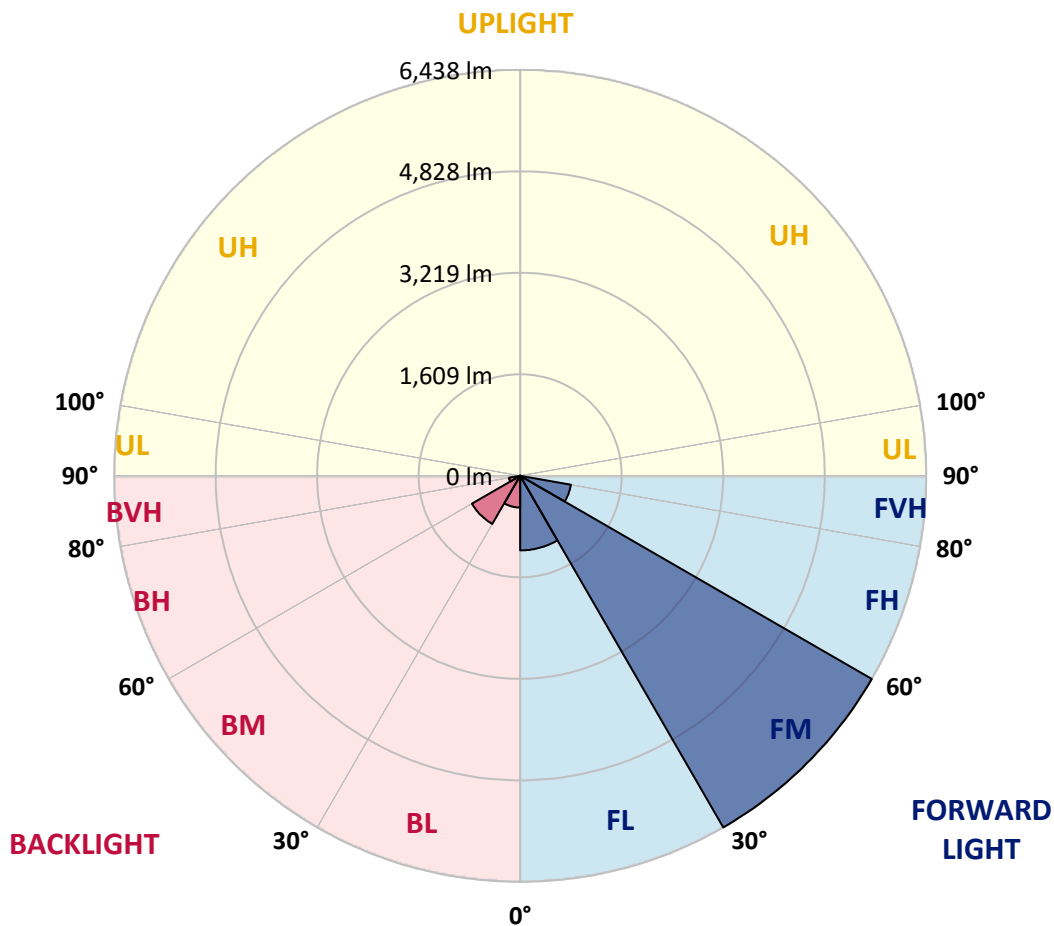


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1183.0 | 11.8 | | | |
| FM (30°-60°) | 6437.8 | 64.2 | | | |
| FH (60°-80°) | 816.7 | 8.2 | | | G1/1800 |
| FVH (80°-90°) | 8.4 | 0.1 | | | G0/10 |
| BL (0°-30°) | 503.6 | 5.0 | B2/1000 | | |
| BM (30°-60°) | 882.2 | 8.8 | B1/1000 | | |
| BH (60°-80°) | 179.6 | 1.8 | B1/500 | | G1/500 |
| BVH (80°-90°) | 8.8 | 0.1 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 76° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1667.8 | 1667.8 | 1667.8 | 1667.8 | 1667.8 | 1667.8 | 1667.8 | 1667.8 | 1667.8 | 1667.8 | 1667.8 |
| 2.5° | 1920.9 | 1876.6 | 1878.4 | 1874.7 | 1869.2 | 1848.9 | 1787.9 | 1778.7 | 1738.0 | 1726.9 | 1690.0 |
| 5° | 2151.8 | 2113.0 | 2135.1 | 2101.9 | 2070.5 | 2052.0 | 1952.3 | 1906.1 | 1841.5 | 1817.5 | 1765.7 |
| 7.5° | 2295.8 | 2277.4 | 2270.0 | 2271.8 | 2242.3 | 2196.1 | 2151.8 | 2050.2 | 1963.4 | 1944.9 | 1835.9 |
| 10° | 2366.0 | 2354.9 | 2366.0 | 2360.5 | 2373.4 | 2378.9 | 2301.4 | 2240.4 | 2113.0 | 2081.6 | 1911.6 |
| 12.5° | 2382.6 | 2404.8 | 2414.0 | 2438.0 | 2469.4 | 2523.0 | 2517.5 | 2434.4 | 2264.4 | 2244.1 | 2028.0 |
| 15° | 2423.3 | 2441.7 | 2432.5 | 2471.3 | 2530.4 | 2620.9 | 2668.9 | 2656.0 | 2473.1 | 2436.2 | 2162.8 |
| 17.5° | 2460.2 | 2427.0 | 2458.4 | 2535.9 | 2595.0 | 2733.6 | 2849.9 | 2903.5 | 2700.3 | 2657.8 | 2286.6 |
| 20° | 2510.1 | 2500.8 | 2495.3 | 2534.1 | 2639.4 | 2824.1 | 3054.9 | 3152.8 | 2955.2 | 2910.9 | 2463.9 |
| 22.5° | 2661.5 | 2663.4 | 2659.7 | 2602.4 | 2678.2 | 2886.9 | 3234.1 | 3476.1 | 3260.0 | 3223.0 | 2665.2 |
| 25° | 2861.0 | 2837.0 | 2818.5 | 2772.4 | 2763.1 | 2944.1 | 3415.1 | 3871.3 | 3625.7 | 3599.8 | 2883.2 |
| 27.5° | 3071.6 | 3071.6 | 3016.2 | 2973.7 | 2914.6 | 3086.3 | 3581.3 | 4255.5 | 4067.1 | 4032.0 | 3073.4 |
| 30° | 3300.6 | 3313.5 | 3306.1 | 3215.6 | 3178.7 | 3241.5 | 3751.3 | 4746.8 | 4573.2 | 4528.9 | 3387.4 |
| 32.5° | 3638.6 | 3610.9 | 3642.3 | 3566.6 | 3457.6 | 3513.0 | 4019.1 | 5186.4 | 5230.7 | 5167.9 | 3799.3 |
| 35° | 4085.6 | 4068.9 | 4048.6 | 3924.9 | 3795.6 | 3839.9 | 4397.7 | 5727.6 | 6056.3 | 6024.9 | 4214.9 |
| 37.5° | 4486.4 | 4477.1 | 4460.5 | 4375.6 | 4225.9 | 4279.5 | 4828.1 | 6290.9 | 6861.6 | 6758.2 | 4802.2 |
| 40° | 4907.5 | 4957.4 | 4903.8 | 4828.1 | 4691.4 | 4809.6 | 5334.1 | 6625.2 | 7539.5 | 7413.9 | 5251.0 |
| 42.5° | 5478.2 | 5439.4 | 5463.4 | 5324.9 | 5251.0 | 5380.3 | 5842.1 | 6959.5 | 8065.9 | 7916.3 | 5727.6 |
| 45° | 6085.9 | 6087.7 | 6023.1 | 5978.7 | 5786.7 | 5927.0 | 6154.2 | 7144.2 | 8485.1 | 8368.8 | 6087.7 |
| 47.5° | 6475.6 | 6473.7 | 6543.9 | 6614.1 | 6416.5 | 6278.0 | 6366.6 | 7319.7 | 8701.2 | 8647.7 | 6218.9 |
| 50° | 6414.6 | 6433.1 | 6523.6 | 6785.9 | 6889.3 | 6702.8 | 6566.1 | 7268.0 | 8799.1 | 8793.6 | 6331.5 |
| 52.5° | 5579.8 | 5640.7 | 5792.2 | 6170.8 | 6691.7 | 6922.6 | 6774.8 | 7364.0 | 8847.1 | 8856.4 | 6499.6 |
| 55° | 4248.1 | 4281.4 | 4569.5 | 5029.4 | 5605.7 | 6396.2 | 6691.7 | 7439.7 | 8884.1 | 8900.7 | 6702.8 |
| 56° | 3684.8 | 3596.1 | 4011.7 | 4338.6 | 5027.5 | 5891.9 | 6481.1 | 7380.6 | 8861.9 | 8989.4 | 6804.4 |
| 57.5° | 2781.6 | 2722.5 | 3058.6 | 3466.8 | 4129.9 | 5042.3 | 5827.3 | 7101.7 | 8712.3 | 8710.5 | 6658.4 |
| 60° | 1691.9 | 1632.8 | 1891.3 | 2131.4 | 2502.7 | 3104.8 | 3937.8 | 5655.5 | 7365.8 | 7521.0 | 5391.4 |
| 62.5° | 1006.6 | 1043.6 | 1298.4 | 1444.4 | 1564.4 | 1627.2 | 2037.2 | 3361.5 | 4914.9 | 5025.7 | 3344.9 |
| 65° | 670.5 | 683.4 | 875.5 | 1115.6 | 1169.2 | 930.9 | 829.3 | 1361.2 | 2131.4 | 2063.1 | 1379.7 |
| 67.5° | 413.7 | 443.3 | 587.3 | 838.5 | 929.0 | 679.7 | 393.4 | 507.9 | 587.3 | 587.3 | 399.0 |
| 70° | 251.2 | 266.0 | 391.6 | 570.7 | 637.2 | 437.7 | 286.3 | 286.3 | 282.6 | 277.1 | 238.3 |
| 72.5° | 120.1 | 129.3 | 199.5 | 293.7 | 299.2 | 230.9 | 221.6 | 242.0 | 236.4 | 234.6 | 197.6 |
| 75° | 51.7 | 55.4 | 70.2 | 92.4 | 105.3 | 97.9 | 134.8 | 173.6 | 179.2 | 173.6 | 142.2 |
| 77.5° | 16.6 | 18.5 | 25.9 | 33.2 | 35.1 | 42.5 | 57.3 | 72.0 | 83.1 | 77.6 | 70.2 |
| 80° | 1.8 | 3.7 | 7.4 | 16.6 | 25.9 | 33.2 | 42.5 | 48.0 | 53.6 | 53.6 | 49.9 |
| 82.5° | 1.8 | 1.8 | 7.4 | 14.8 | 24.0 | 31.4 | 40.6 | 46.2 | 53.6 | 55.4 | 51.7 |
| 85° | 0.0 | 1.8 | 5.5 | 12.9 | 20.3 | 20.3 | 18.5 | 18.5 | 12.9 | 12.9 | 12.9 |
| 87.5° | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 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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CATALOG NUMBER: GLAN-SA3B-740-U-T2-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1667.8 | 1667.8 | 1667.8 | 1667.8 | 1667.8 | 1667.8 | 1667.8 | 1667.8 | 1667.8 | 1667.8 | 1667.8 |
| 2.5° | 1682.6 | 1678.9 | 1629.1 | 1597.7 | 1581.0 | 1547.8 | 1527.5 | 1512.7 | 1501.6 | 1488.7 | 1490.5 |
| 5° | 1704.8 | 1691.9 | 1608.7 | 1551.5 | 1483.1 | 1446.2 | 1414.8 | 1388.9 | 1372.3 | 1368.6 | 1361.2 |
| 7.5° | 1767.6 | 1699.2 | 1573.6 | 1470.2 | 1383.4 | 1346.5 | 1318.8 | 1302.1 | 1309.5 | 1292.9 | 1305.8 |
| 10° | 1815.6 | 1714.0 | 1531.2 | 1381.6 | 1294.7 | 1267.0 | 1252.3 | 1265.2 | 1283.7 | 1276.3 | 1267.0 |
| 12.5° | 1874.7 | 1728.8 | 1462.8 | 1296.6 | 1215.3 | 1195.0 | 1220.9 | 1244.9 | 1281.8 | 1296.6 | 1278.1 |
| 15° | 1941.2 | 1745.4 | 1376.0 | 1198.7 | 1147.0 | 1163.6 | 1207.9 | 1250.4 | 1287.4 | 1305.8 | 1316.9 |
| 17.5° | 2022.5 | 1739.9 | 1291.1 | 1121.1 | 1082.3 | 1130.4 | 1183.9 | 1222.7 | 1278.1 | 1305.8 | 1298.4 |
| 20° | 2098.2 | 1721.4 | 1196.9 | 1043.6 | 1045.4 | 1089.7 | 1134.1 | 1196.9 | 1226.4 | 1263.4 | 1250.4 |
| 22.5° | 2170.2 | 1688.2 | 1099.0 | 990.0 | 990.0 | 1058.3 | 1080.5 | 1121.1 | 1147.0 | 1165.5 | 1163.6 |
| 25° | 2271.8 | 1625.4 | 1017.7 | 938.3 | 960.4 | 1004.8 | 1023.2 | 1036.2 | 1025.1 | 1039.9 | 1041.7 |
| 27.5° | 2343.8 | 1560.7 | 951.2 | 892.1 | 932.7 | 966.0 | 960.4 | 953.1 | 927.2 | 906.9 | 919.8 |
| 30° | 2421.4 | 1485.0 | 893.9 | 860.7 | 882.9 | 912.4 | 890.3 | 868.1 | 827.5 | 794.2 | 796.1 |
| 32.5° | 2532.2 | 1449.9 | 844.1 | 823.8 | 853.3 | 857.0 | 833.0 | 799.8 | 759.1 | 727.7 | 725.9 |
| 35° | 2739.1 | 1427.7 | 801.6 | 799.8 | 805.3 | 807.1 | 783.1 | 742.5 | 725.9 | 700.0 | 709.2 |
| 37.5° | 2946.0 | 1416.7 | 772.0 | 764.7 | 762.8 | 764.7 | 737.0 | 698.2 | 729.6 | 727.7 | 731.4 |
| 40° | 3210.1 | 1466.5 | 729.6 | 720.3 | 722.2 | 722.2 | 687.1 | 676.0 | 731.4 | 737.0 | 738.8 |
| 42.5° | 3477.9 | 1529.3 | 701.9 | 672.3 | 679.7 | 679.7 | 661.2 | 648.3 | 687.1 | 650.1 | 644.6 |
| 45° | 3710.6 | 1621.7 | 672.3 | 624.3 | 642.8 | 652.0 | 646.5 | 624.3 | 600.3 | 537.5 | 537.5 |
| 47.5° | 3786.4 | 1702.9 | 637.2 | 578.1 | 592.9 | 633.5 | 616.9 | 570.7 | 528.2 | 476.5 | 472.8 |
| 50° | 3919.3 | 1791.6 | 609.5 | 524.5 | 555.9 | 605.8 | 589.2 | 543.0 | 495.0 | 458.1 | 459.9 |
| 52.5° | 4056.0 | 1893.2 | 557.8 | 461.8 | 500.5 | 583.7 | 583.7 | 531.9 | 458.1 | 432.2 | 428.5 |
| 55° | 4261.0 | 1889.5 | 465.4 | 378.6 | 447.0 | 550.4 | 559.6 | 476.5 | 410.0 | 389.7 | 389.7 |
| 56° | 4290.6 | 1804.5 | 419.3 | 354.6 | 423.0 | 541.2 | 543.0 | 461.8 | 391.6 | 369.4 | 369.4 |
| 57.5° | 4068.9 | 1629.1 | 367.6 | 325.1 | 393.4 | 524.5 | 526.4 | 448.8 | 376.8 | 345.4 | 341.7 |
| 60° | 3130.7 | 1102.7 | 306.6 | 290.0 | 356.5 | 472.8 | 482.1 | 408.2 | 330.6 | 306.6 | 304.8 |
| 62.5° | 1767.6 | 611.4 | 269.7 | 262.3 | 306.6 | 402.6 | 430.4 | 356.5 | 280.7 | 267.8 | 271.5 |
| 65° | 807.1 | 336.2 | 227.2 | 212.4 | 247.5 | 310.3 | 347.2 | 293.7 | 230.9 | 216.1 | 216.1 |
| 67.5° | 295.5 | 229.0 | 193.9 | 168.1 | 173.6 | 201.3 | 225.3 | 190.2 | 153.3 | 131.1 | 136.7 |
| 70° | 210.6 | 192.1 | 169.9 | 145.9 | 134.8 | 131.1 | 129.3 | 107.1 | 75.7 | 59.1 | 62.8 |
| 72.5° | 169.9 | 158.8 | 142.2 | 123.7 | 105.3 | 88.7 | 75.7 | 55.4 | 35.1 | 24.0 | 22.2 |
| 75° | 121.9 | 116.4 | 103.4 | 88.7 | 73.9 | 62.8 | 51.7 | 35.1 | 18.5 | 9.2 | 9.2 |
| 77.5° | 62.8 | 62.8 | 61.0 | 55.4 | 46.2 | 36.9 | 29.6 | 20.3 | 11.1 | 3.7 | 3.7 |
| 80° | 48.0 | 51.7 | 53.6 | 48.0 | 42.5 | 33.2 | 24.0 | 14.8 | 7.4 | 1.8 | 1.8 |
| 82.5° | 46.2 | 53.6 | 57.3 | 49.9 | 42.5 | 31.4 | 24.0 | 14.8 | 7.4 | 1.8 | 1.8 |
| 85° | 11.1 | 11.1 | 16.6 | 18.5 | 24.0 | 25.9 | 20.3 | 12.9 | 5.5 | 1.8 | 1.8 |
| 87.5° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 1.8 | 1.8 | 1.8 | 1.8 | 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)