

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: P527567

Luminaire Tested: **GLAN-SA2C-750-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-750-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8443 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

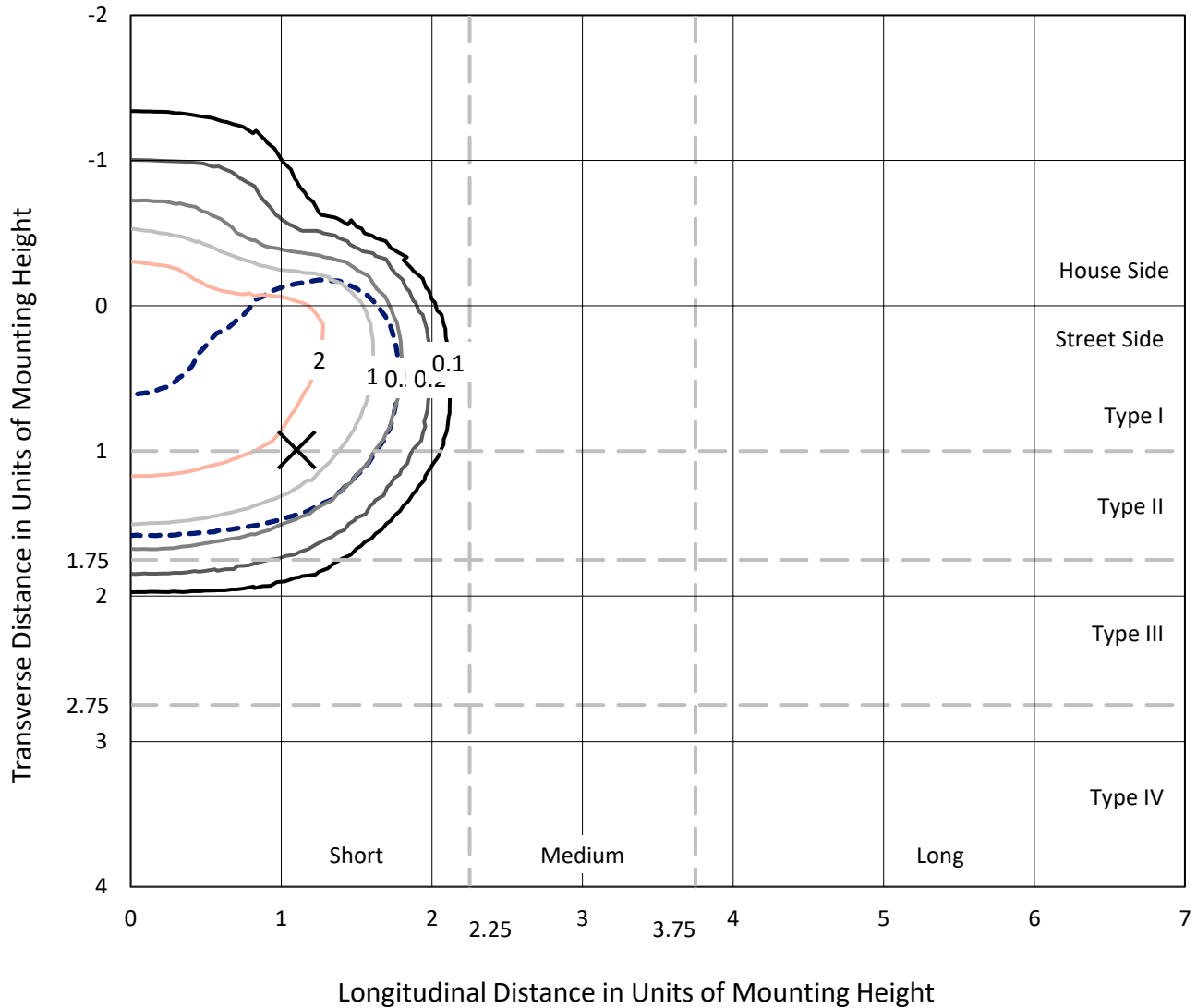
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

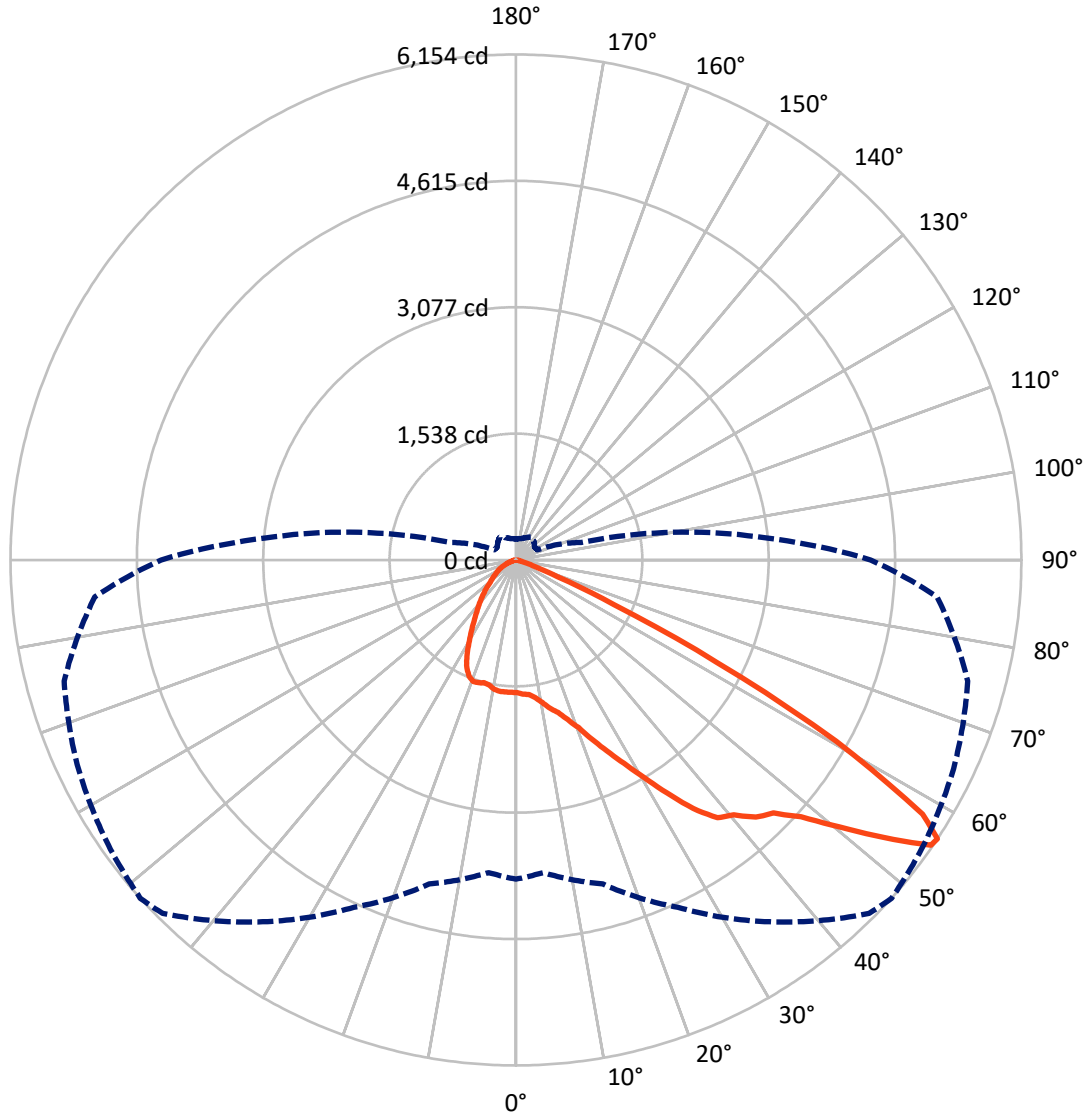
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1836.2 | 0.0 | 1836.2 |
| | % Fixture | 21.7 | 0.0 | 21.7 |
| Street Side | Lumens | 6606.8 | 0.0 | 6606.8 |
| | % Fixture | 78.3 | 0.0 | 78.3 |
| Total | Lumens | 8443.0 | 0.0 | 8443.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 157.1 | 1.9 |
| 10°-20° | 502.0 | 5.9 |
| 20°-30° | 910.6 | 10.8 |
| 30°-40° | 1430.3 | 16.9 |
| 40°-50° | 2086.6 | 24.7 |
| 50°-60° | 2513.9 | 29.8 |
| 60°-70° | 736.1 | 8.7 |
| 70°-80° | 93.4 | 1.1 |
| 80°-90° | 13.1 | 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° | 8443.0 | 100.0 |
| 0°-180° | 8443.0 | 100.0 |

Coefficient of Utilization



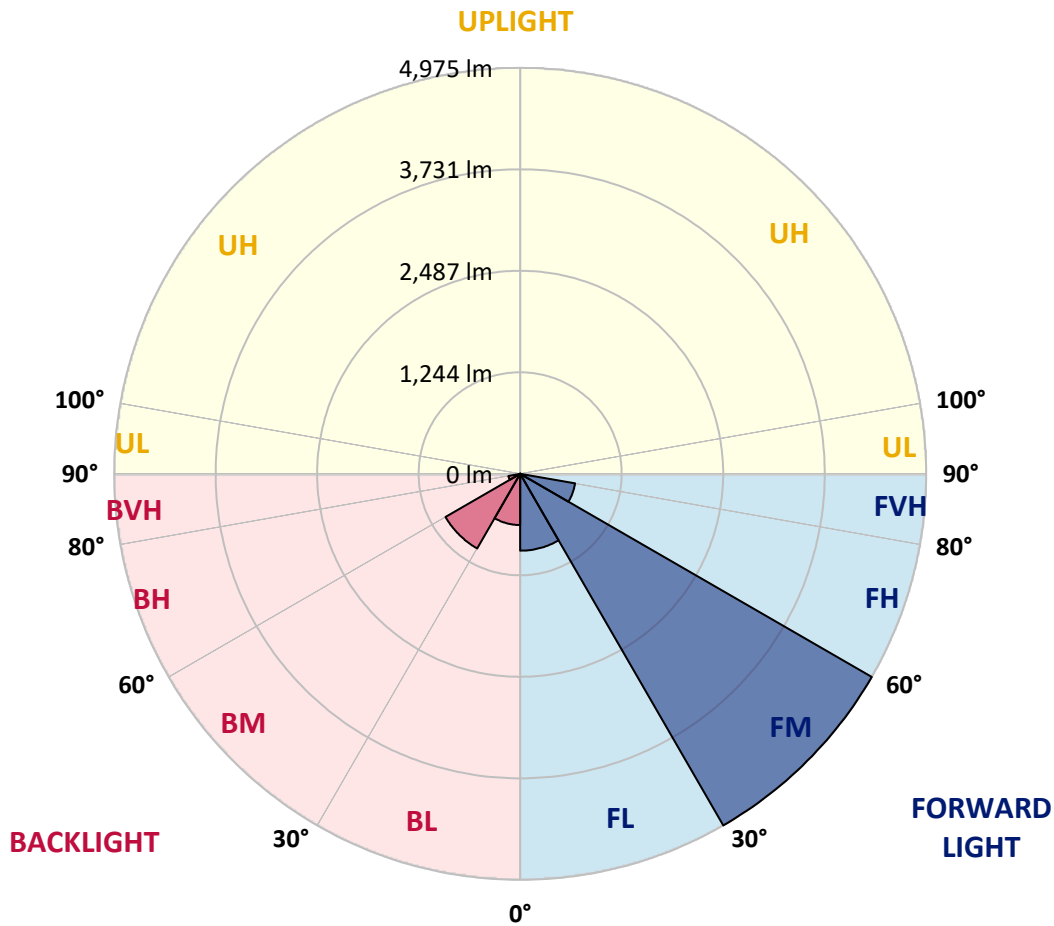
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 942.1 | 11.2 | | | |
| FM (30°-60°) | 4974.6 | 58.9 | | | |
| FH (60°-80°) | 683.5 | 8.1 | | | G1/1800 |
| FVH (80°-90°) | 6.6 | 0.1 | | | G0/10 |
| BL (0°-30°) | 627.6 | 7.4 | B2/1000 | | |
| BM (30°-60°) | 1056.2 | 12.5 | B2/2500 | | |
| BH (60°-80°) | 145.9 | 1.7 | B1/500 | | G1/500 |
| BVH (80°-90°) | 6.5 | 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° | 48° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1612.6 | 1612.6 | 1612.6 | 1612.6 | 1612.6 | 1612.6 | 1612.6 | 1612.6 | 1612.6 | 1612.6 | 1612.6 |
| 2.5° | 1641.8 | 1634.1 | 1634.1 | 1621.8 | 1635.7 | 1629.5 | 1634.1 | 1618.8 | 1634.1 | 1611.1 | 1629.5 |
| 5° | 1649.5 | 1651.0 | 1644.9 | 1652.6 | 1652.6 | 1661.8 | 1646.4 | 1660.3 | 1668.0 | 1651.0 | 1643.4 |
| 7.5° | 1689.5 | 1692.6 | 1691.0 | 1684.9 | 1697.2 | 1695.6 | 1694.1 | 1683.3 | 1686.4 | 1680.3 | 1671.0 |
| 10° | 1767.9 | 1766.3 | 1774.0 | 1758.7 | 1749.4 | 1760.2 | 1763.3 | 1746.4 | 1734.1 | 1729.5 | 1700.2 |
| 12.5° | 1881.6 | 1863.2 | 1852.4 | 1837.1 | 1841.7 | 1826.3 | 1854.0 | 1824.8 | 1818.6 | 1790.9 | 1761.7 |
| 15° | 1973.9 | 1970.8 | 1972.3 | 1947.7 | 1920.1 | 1926.2 | 1926.2 | 1910.9 | 1901.6 | 1867.8 | 1826.3 |
| 17.5° | 2163.0 | 2098.4 | 2112.2 | 2081.5 | 2058.4 | 2056.9 | 2043.1 | 2046.1 | 2021.5 | 1950.8 | 1887.8 |
| 20° | 2310.5 | 2282.9 | 2261.4 | 2209.1 | 2173.7 | 2184.5 | 2178.3 | 2163.0 | 2155.3 | 2063.0 | 1973.9 |
| 22.5° | 2442.8 | 2452.0 | 2416.6 | 2402.8 | 2353.6 | 2358.2 | 2370.5 | 2356.7 | 2298.2 | 2202.9 | 2070.7 |
| 25° | 2628.8 | 2618.0 | 2570.3 | 2553.4 | 2507.3 | 2524.2 | 2571.9 | 2561.1 | 2524.2 | 2352.1 | 2146.1 |
| 27.5° | 2848.6 | 2811.7 | 2820.9 | 2744.1 | 2699.5 | 2747.1 | 2804.0 | 2857.8 | 2753.3 | 2527.3 | 2235.2 |
| 30° | 3003.9 | 2965.4 | 2962.4 | 2959.3 | 2948.5 | 3003.9 | 3070.0 | 3119.2 | 3034.6 | 2702.6 | 2382.8 |
| 32.5° | 3080.7 | 3090.0 | 3116.1 | 3106.9 | 3200.6 | 3314.4 | 3383.6 | 3454.3 | 3348.2 | 2988.5 | 2578.0 |
| 35° | 3285.2 | 3226.8 | 3285.2 | 3291.3 | 3388.2 | 3629.5 | 3717.2 | 3886.3 | 3860.1 | 3392.8 | 2816.3 |
| 37.5° | 3405.1 | 3400.5 | 3408.2 | 3466.6 | 3560.4 | 3858.6 | 3983.1 | 4113.8 | 4064.6 | 3635.7 | 3113.0 |
| 40° | 3603.4 | 3615.7 | 3614.2 | 3658.7 | 3761.7 | 4030.8 | 4081.5 | 4187.6 | 4192.2 | 3972.4 | 3549.6 |
| 42.5° | 3921.6 | 3872.4 | 3840.1 | 3886.3 | 4030.8 | 4179.9 | 4281.4 | 4259.8 | 4412.0 | 4381.3 | 4110.7 |
| 45° | 4207.6 | 4236.8 | 4189.1 | 4266.0 | 4318.2 | 4398.2 | 4395.1 | 4441.2 | 4634.9 | 4781.0 | 4533.5 |
| 47.5° | 4475.0 | 4493.5 | 4516.6 | 4568.8 | 4682.6 | 4694.9 | 4668.7 | 4648.8 | 4916.3 | 5066.9 | 4860.9 |
| 50° | 4634.9 | 4651.8 | 4759.4 | 4853.2 | 5065.4 | 5093.0 | 5108.4 | 5057.7 | 5239.1 | 5256.0 | 5169.9 |
| 52.5° | 4591.9 | 4610.3 | 4761.0 | 5070.0 | 5408.2 | 5661.8 | 5615.7 | 5529.6 | 5518.9 | 5585.0 | 5455.8 |
| 55° | 4210.6 | 4193.7 | 4401.3 | 4882.4 | 5515.8 | 6124.6 | 6130.7 | 6040.0 | 5866.3 | 5821.7 | 5412.8 |
| 56° | 3886.3 | 3820.2 | 4084.6 | 4665.7 | 5377.4 | 6084.6 | 6153.8 | 6056.9 | 5894.0 | 5694.1 | 5146.8 |
| 57.5° | 3183.7 | 3246.8 | 3509.6 | 3990.8 | 4899.3 | 5797.1 | 5837.1 | 5814.0 | 5691.0 | 5355.9 | 4528.9 |
| 60° | 1755.6 | 1866.3 | 2098.4 | 2687.2 | 3488.1 | 4448.9 | 4481.2 | 4668.7 | 4691.8 | 4101.5 | 3116.1 |
| 62.5° | 745.6 | 733.3 | 974.6 | 1408.2 | 1986.2 | 2685.6 | 2745.6 | 2937.8 | 2973.1 | 2364.4 | 1563.4 |
| 65° | 302.8 | 319.8 | 441.2 | 708.7 | 1050.0 | 1223.7 | 1308.2 | 1371.3 | 1488.1 | 976.2 | 576.5 |
| 67.5° | 199.8 | 198.3 | 259.8 | 404.3 | 565.7 | 545.7 | 545.7 | 576.5 | 533.4 | 398.2 | 249.0 |
| 70° | 143.0 | 147.6 | 186.0 | 279.8 | 352.0 | 261.3 | 250.6 | 239.8 | 272.1 | 262.9 | 201.4 |
| 72.5° | 93.8 | 99.9 | 124.5 | 167.6 | 182.9 | 143.0 | 143.0 | 172.2 | 224.4 | 212.1 | 164.5 |
| 75° | 61.5 | 63.0 | 76.9 | 96.8 | 90.7 | 73.8 | 81.5 | 115.3 | 163.0 | 156.8 | 116.8 |
| 77.5° | 41.5 | 43.0 | 52.3 | 63.0 | 50.7 | 41.5 | 44.6 | 58.4 | 79.9 | 79.9 | 61.5 |
| 80° | 15.4 | 16.9 | 21.5 | 20.0 | 23.1 | 29.2 | 32.3 | 40.0 | 47.7 | 47.7 | 41.5 |
| 82.5° | 0.0 | 1.5 | 4.6 | 10.8 | 16.9 | 23.1 | 26.1 | 30.7 | 35.4 | 40.0 | 38.4 |
| 85° | 0.0 | 1.5 | 4.6 | 7.7 | 12.3 | 13.8 | 15.4 | 10.8 | 9.2 | 9.2 | 7.7 |
| 87.5° | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 3.1 | 1.5 | 1.5 |
| 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-SA2C-750-U-T3-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1612.6 | 1612.6 | 1612.6 | 1612.6 | 1612.6 | 1612.6 | 1612.6 | 1612.6 | 1612.6 | 1612.6 | 1612.6 |
| 2.5° | 1612.6 | 1611.1 | 1611.1 | 1606.5 | 1615.7 | 1611.1 | 1614.2 | 1612.6 | 1592.6 | 1608.0 | 1597.2 |
| 5° | 1629.5 | 1640.3 | 1623.4 | 1620.3 | 1608.0 | 1612.6 | 1612.6 | 1597.2 | 1611.1 | 1609.5 | 1606.5 |
| 7.5° | 1672.6 | 1654.1 | 1635.7 | 1617.2 | 1614.2 | 1609.5 | 1592.6 | 1586.5 | 1597.2 | 1584.9 | 1603.4 |
| 10° | 1691.0 | 1694.1 | 1666.4 | 1641.8 | 1618.8 | 1586.5 | 1563.4 | 1549.6 | 1532.7 | 1551.1 | 1561.9 |
| 12.5° | 1775.6 | 1744.8 | 1697.2 | 1658.7 | 1580.3 | 1548.1 | 1525.0 | 1518.8 | 1548.1 | 1554.2 | 1543.4 |
| 15° | 1804.8 | 1800.2 | 1738.7 | 1652.6 | 1571.1 | 1532.7 | 1537.3 | 1525.0 | 1528.1 | 1512.7 | 1515.8 |
| 17.5° | 1864.7 | 1812.5 | 1740.2 | 1632.6 | 1569.6 | 1560.3 | 1532.7 | 1483.5 | 1455.8 | 1443.5 | 1454.3 |
| 20° | 1930.8 | 1880.1 | 1775.6 | 1640.3 | 1583.4 | 1558.8 | 1468.1 | 1408.2 | 1351.3 | 1320.5 | 1322.1 |
| 22.5° | 1989.3 | 1926.2 | 1760.2 | 1643.4 | 1595.7 | 1494.2 | 1385.1 | 1266.7 | 1196.0 | 1148.4 | 1149.9 |
| 25° | 2060.0 | 1970.8 | 1766.3 | 1649.5 | 1563.4 | 1391.2 | 1234.4 | 1119.1 | 1034.6 | 1002.3 | 1013.1 |
| 27.5° | 2099.9 | 1998.5 | 1800.2 | 1663.3 | 1478.9 | 1245.2 | 1076.1 | 968.5 | 919.3 | 903.9 | 902.4 |
| 30° | 2219.8 | 2060.0 | 1841.7 | 1635.7 | 1337.4 | 1088.4 | 931.6 | 865.5 | 817.8 | 804.0 | 807.1 |
| 32.5° | 2398.2 | 2172.2 | 1895.5 | 1563.4 | 1192.9 | 948.5 | 837.8 | 788.6 | 744.0 | 717.9 | 714.8 |
| 35° | 2547.3 | 2364.4 | 1952.4 | 1451.2 | 1025.4 | 840.9 | 771.7 | 710.2 | 642.6 | 613.4 | 605.7 |
| 37.5° | 2831.7 | 2581.1 | 1940.1 | 1282.1 | 865.5 | 761.0 | 701.0 | 625.7 | 567.3 | 527.3 | 522.7 |
| 40° | 3209.9 | 2834.8 | 1880.1 | 1076.1 | 747.1 | 690.2 | 625.7 | 553.4 | 481.2 | 447.4 | 444.3 |
| 42.5° | 3669.5 | 3145.3 | 1771.0 | 867.0 | 628.8 | 619.5 | 561.1 | 478.1 | 413.5 | 388.9 | 390.5 |
| 45° | 4043.1 | 3411.2 | 1660.3 | 696.4 | 541.1 | 550.3 | 499.6 | 421.2 | 376.6 | 356.7 | 356.7 |
| 47.5° | 4375.1 | 3591.1 | 1540.4 | 574.9 | 459.6 | 481.2 | 436.6 | 390.5 | 352.0 | 336.7 | 333.6 |
| 50° | 4694.9 | 3774.0 | 1420.5 | 465.8 | 392.0 | 413.5 | 408.9 | 372.0 | 341.3 | 322.8 | 324.4 |
| 52.5° | 4894.7 | 3803.3 | 1268.3 | 381.2 | 342.8 | 367.4 | 382.8 | 349.0 | 315.1 | 304.4 | 301.3 |
| 55° | 4650.3 | 3426.6 | 983.9 | 313.6 | 290.5 | 322.8 | 352.0 | 313.6 | 287.5 | 269.0 | 267.5 |
| 56° | 4321.3 | 3063.8 | 822.4 | 289.0 | 275.2 | 310.5 | 341.3 | 299.8 | 270.6 | 259.8 | 252.1 |
| 57.5° | 3658.7 | 2507.3 | 607.2 | 256.7 | 255.2 | 289.0 | 324.4 | 285.9 | 252.1 | 242.9 | 242.9 |
| 60° | 2281.3 | 1411.2 | 367.4 | 215.2 | 221.4 | 256.7 | 292.1 | 255.2 | 224.4 | 224.4 | 229.1 |
| 62.5° | 1039.2 | 587.2 | 222.9 | 182.9 | 190.6 | 221.4 | 259.8 | 230.6 | 213.7 | 230.6 | 233.7 |
| 65° | 353.6 | 253.7 | 161.4 | 146.0 | 150.7 | 182.9 | 222.9 | 233.7 | 232.1 | 242.9 | 249.0 |
| 67.5° | 198.3 | 163.0 | 135.3 | 121.4 | 118.4 | 135.3 | 182.9 | 233.7 | 224.4 | 219.8 | 222.9 |
| 70° | 167.6 | 138.4 | 119.9 | 107.6 | 103.0 | 109.1 | 141.4 | 176.8 | 158.3 | 153.7 | 150.7 |
| 72.5° | 135.3 | 115.3 | 104.5 | 96.8 | 83.0 | 70.7 | 64.6 | 67.6 | 75.3 | 79.9 | 87.6 |
| 75° | 95.3 | 87.6 | 87.6 | 78.4 | 60.0 | 44.6 | 35.4 | 29.2 | 20.0 | 13.8 | 15.4 |
| 77.5° | 53.8 | 53.8 | 55.3 | 47.7 | 38.4 | 29.2 | 21.5 | 15.4 | 7.7 | 3.1 | 1.5 |
| 80° | 36.9 | 40.0 | 43.0 | 38.4 | 32.3 | 26.1 | 18.4 | 10.8 | 4.6 | 0.0 | 0.0 |
| 82.5° | 36.9 | 41.5 | 44.6 | 38.4 | 32.3 | 24.6 | 18.4 | 10.8 | 4.6 | 1.5 | 0.0 |
| 85° | 7.7 | 9.2 | 10.8 | 12.3 | 18.4 | 18.4 | 13.8 | 9.2 | 4.6 | 1.5 | 0.0 |
| 87.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 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)