

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: P526568

Luminaire Tested: **GLAN-SA1C-735-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1C-735-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5617 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

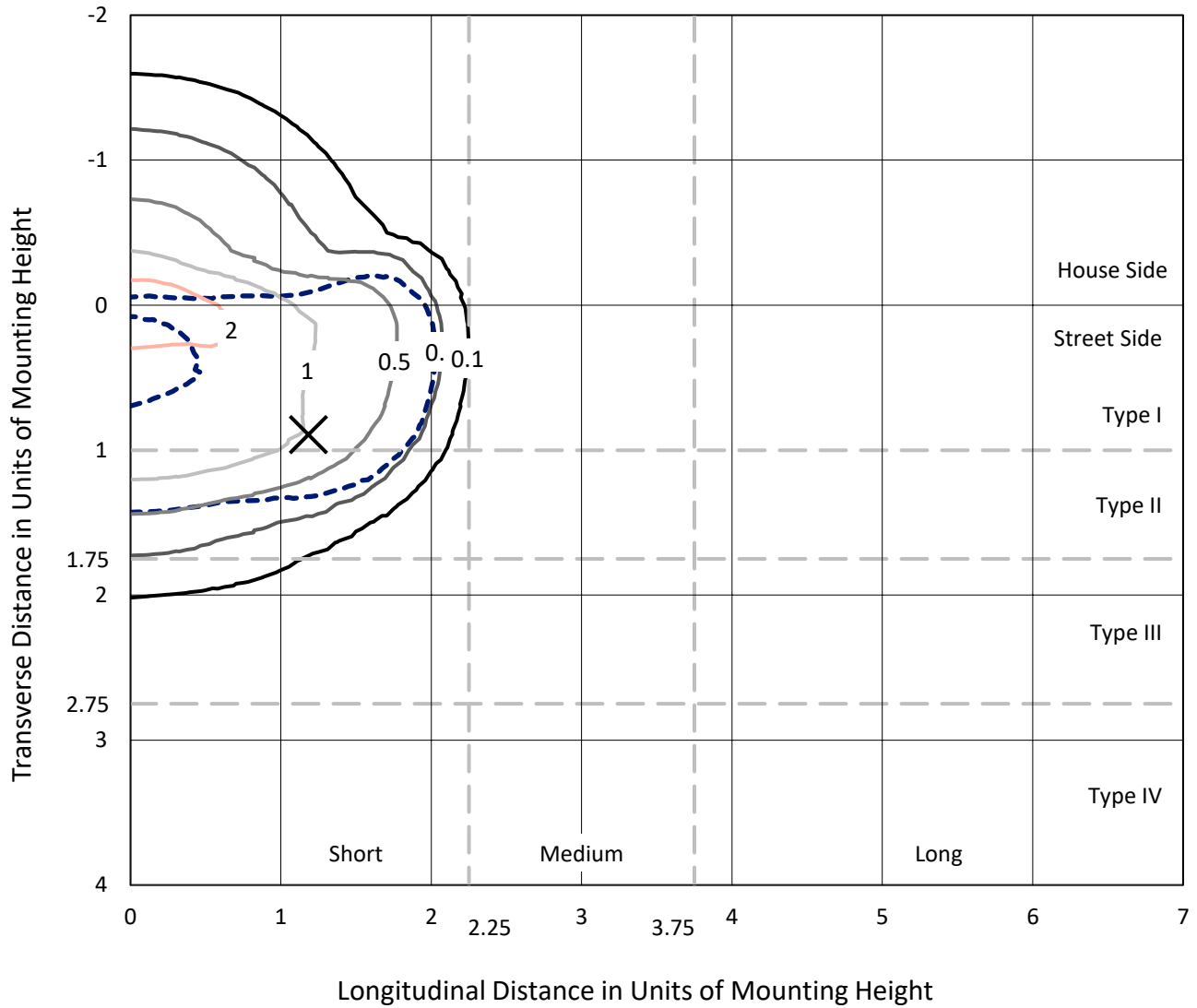
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526568
 CATALOG NUMBER: GLAN-SA1C-735-U-SL2-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

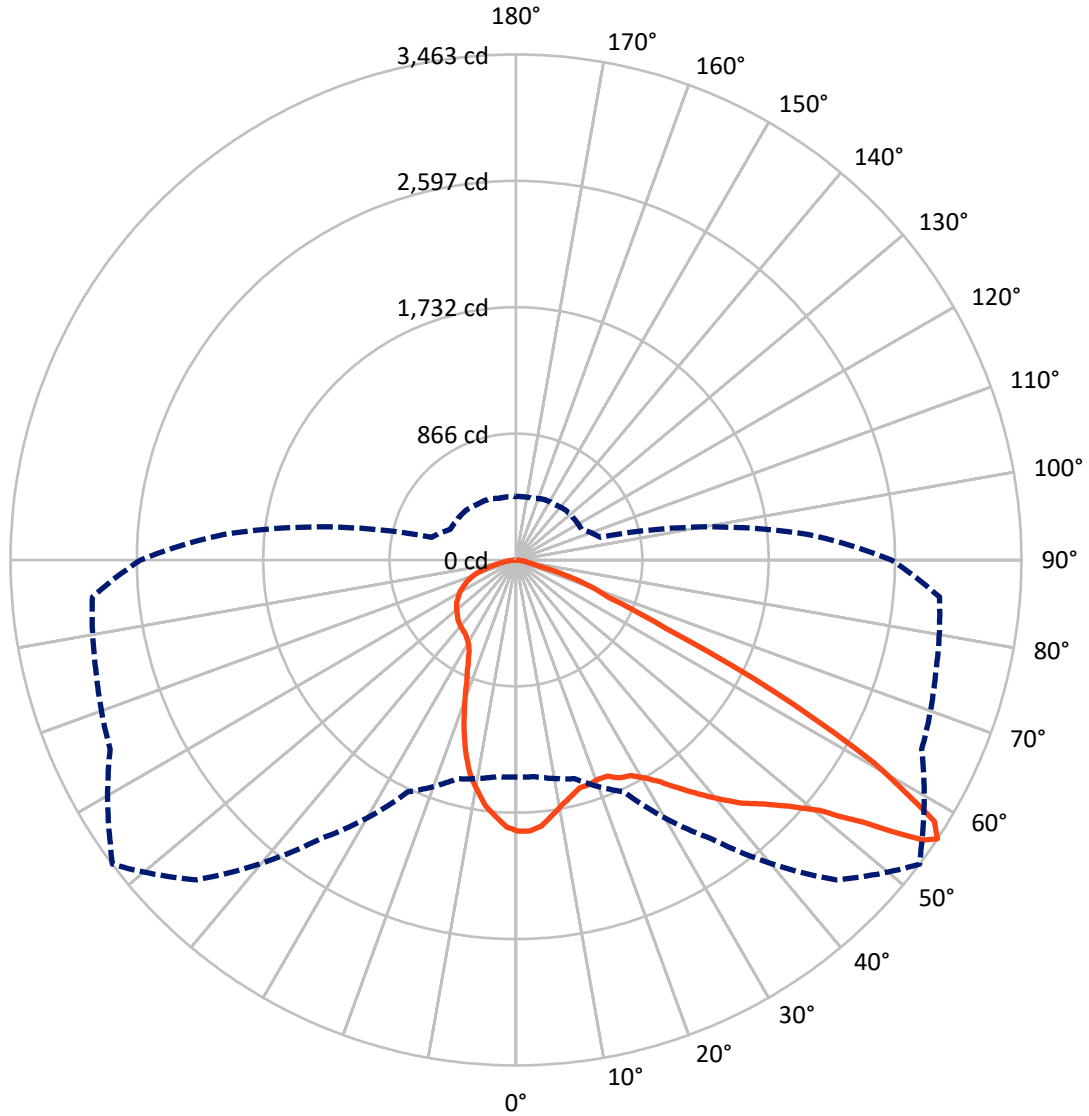
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type II - Short - N/A

REPORT NUMBER: P526568
CATALOG NUMBER: GLAN-SA1C-735-U-SL2-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P526568
 CATALOG NUMBER: GLAN-SA1C-735-U-SL2-GRSWH

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1639.2 | 0.0 | 1639.2 |
| | % Fixture | 29.2 | 0.0 | 29.2 |
| Street Side | Lumens | 3977.8 | 0.0 | 3977.8 |
| | % Fixture | 70.8 | 0.0 | 70.8 |
| Total | Lumens | 5617.0 | 0.0 | 5617.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 164.5 | 2.9 |
| 10°-20° | 410.9 | 7.3 |
| 20°-30° | 605.9 | 10.8 |
| 30°-40° | 865.7 | 15.4 |
| 40°-50° | 1191.5 | 21.2 |
| 50°-60° | 1408.0 | 25.1 |
| 60°-70° | 750.4 | 13.4 |
| 70°-80° | 190.4 | 3.4 |
| 80°-90° | 29.7 | 0.5 |
| 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° | 5617.0 | 100.0 |
| 0°-180° | 5617.0 | 100.0 |

Coefficient of Utilization

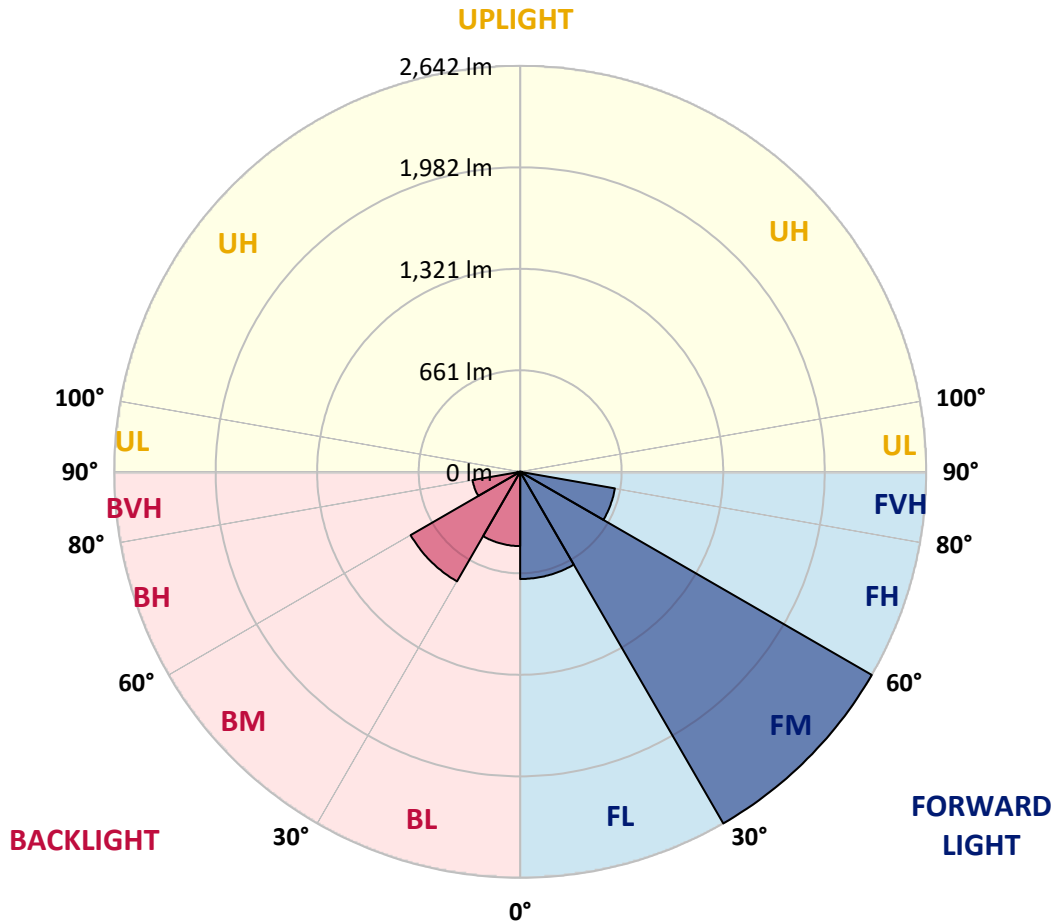


REPORT NUMBER: P526568
 CATALOG NUMBER: GLAN-SA1C-735-U-SL2-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 697.8 | 12.4 | | | |
| FM (30°-60°) | 2642.1 | 47.0 | | | |
| FH (60°-80°) | 625.9 | 11.1 | | | G0/660 |
| FVH (80°-90°) | 11.9 | 0.2 | | | G1/100 |
| BL (0°-30°) | 483.5 | 8.6 | B1/500 | | |
| BM (30°-60°) | 823.1 | 14.7 | B1/1000 | | |
| BH (60°-80°) | 314.8 | 5.6 | B1/500 | | G1/500 |
| BVH (80°-90°) | 17.8 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1
 Type II Short





REPORT NUMBER: P526568

CATALOG NUMBER: GLAN-SA1C-735-U-SL2-GRSWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 53° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1858.3 | 1858.3 | 1858.3 | 1858.3 | 1858.3 | 1858.3 | 1858.3 | 1858.3 | 1858.3 | 1858.3 | 1858.3 |
| 2.5° | 1835.3 | 1819.4 | 1828.8 | 1825.2 | 1854.7 | 1863.4 | 1859.0 | 1862.6 | 1879.2 | 1871.3 | 1854.7 |
| 5° | 1714.9 | 1737.3 | 1741.6 | 1752.4 | 1769.7 | 1803.6 | 1830.2 | 1837.4 | 1845.4 | 1882.1 | 1878.5 |
| 7.5° | 1605.4 | 1620.5 | 1612.6 | 1644.3 | 1681.8 | 1736.6 | 1769.0 | 1774.7 | 1847.5 | 1867.7 | 1882.8 |
| 10° | 1536.2 | 1521.1 | 1557.1 | 1565.8 | 1608.3 | 1671.0 | 1709.9 | 1733.7 | 1800.0 | 1879.9 | 1889.3 |
| 12.5° | 1472.1 | 1467.1 | 1488.7 | 1513.2 | 1560.7 | 1625.6 | 1665.2 | 1674.6 | 1776.9 | 1861.2 | 1905.2 |
| 15° | 1424.5 | 1418.8 | 1440.4 | 1458.4 | 1513.9 | 1571.5 | 1622.0 | 1648.6 | 1751.7 | 1850.4 | 1891.5 |
| 17.5° | 1387.1 | 1386.4 | 1398.6 | 1431.0 | 1488.0 | 1536.2 | 1617.7 | 1619.1 | 1738.7 | 1867.0 | 1903.0 |
| 20° | 1384.9 | 1384.2 | 1386.4 | 1422.4 | 1474.3 | 1533.4 | 1604.0 | 1616.9 | 1738.7 | 1855.4 | 1903.7 |
| 22.5° | 1402.9 | 1391.4 | 1404.4 | 1427.4 | 1464.9 | 1538.4 | 1609.0 | 1637.8 | 1780.5 | 1912.4 | 1936.1 |
| 25° | 1431.8 | 1434.6 | 1441.8 | 1449.8 | 1471.4 | 1549.9 | 1653.7 | 1677.5 | 1829.5 | 1961.4 | 1980.8 |
| 27.5° | 1484.4 | 1482.9 | 1485.8 | 1490.1 | 1508.9 | 1560.7 | 1671.7 | 1732.9 | 1931.8 | 2048.6 | 2029.1 |
| 30° | 1561.5 | 1556.4 | 1567.9 | 1583.1 | 1565.8 | 1595.3 | 1731.5 | 1777.6 | 2026.9 | 2136.5 | 2083.1 |
| 32.5° | 1631.3 | 1650.1 | 1671.7 | 1678.2 | 1657.3 | 1663.1 | 1810.8 | 1857.6 | 2106.2 | 2244.5 | 2149.4 |
| 35° | 1718.5 | 1733.7 | 1762.5 | 1782.7 | 1779.1 | 1761.8 | 1918.9 | 1980.8 | 2220.8 | 2323.8 | 2219.3 |
| 37.5° | 1803.6 | 1821.6 | 1869.1 | 1928.9 | 1895.8 | 1887.9 | 2034.1 | 2085.3 | 2256.1 | 2366.3 | 2270.5 |
| 40° | 1940.5 | 1939.7 | 2021.9 | 2052.9 | 2082.4 | 2068.7 | 2153.8 | 2171.0 | 2274.8 | 2357.0 | 2271.9 |
| 42.5° | 2101.2 | 2091.1 | 2174.7 | 2222.9 | 2261.1 | 2262.6 | 2278.4 | 2272.6 | 2283.5 | 2309.4 | 2256.8 |
| 45° | 2253.9 | 2275.5 | 2359.8 | 2446.3 | 2484.5 | 2488.8 | 2383.6 | 2372.8 | 2298.6 | 2295.7 | 2228.0 |
| 47.5° | 2440.5 | 2445.6 | 2514.8 | 2628.6 | 2717.2 | 2687.0 | 2519.8 | 2496.0 | 2364.9 | 2387.2 | 2276.2 |
| 50° | 2451.3 | 2488.8 | 2550.8 | 2684.8 | 2957.2 | 2949.3 | 2696.3 | 2651.7 | 2471.5 | 2516.9 | 2411.0 |
| 52.5° | 2225.1 | 2216.4 | 2289.9 | 2509.0 | 2939.2 | 3210.1 | 2988.9 | 2882.2 | 2700.7 | 2666.1 | 2629.3 |
| 55° | 1695.5 | 1715.7 | 1780.5 | 2001.7 | 2552.2 | 3213.7 | 3387.4 | 3300.2 | 2945.7 | 2886.6 | 2844.1 |
| 56° | 1487.2 | 1490.1 | 1551.4 | 1753.1 | 2328.9 | 3099.1 | 3463.0 | 3392.4 | 3067.4 | 2977.4 | 2912.5 |
| 57.5° | 1232.9 | 1216.3 | 1248.0 | 1358.3 | 1965.7 | 2857.0 | 3380.1 | 3449.3 | 3210.1 | 3075.4 | 2985.3 |
| 60° | 970.6 | 967.0 | 954.0 | 974.2 | 1242.2 | 2152.3 | 2813.8 | 2969.4 | 3195.7 | 2983.1 | 2859.2 |
| 62.5° | 792.6 | 774.6 | 800.5 | 829.4 | 863.2 | 1335.2 | 1977.2 | 2068.7 | 2537.1 | 2381.5 | 2148.0 |
| 65° | 614.6 | 606.0 | 638.4 | 732.1 | 752.3 | 848.1 | 1126.2 | 1196.9 | 1498.0 | 1471.4 | 1295.6 |
| 67.5° | 423.0 | 424.4 | 452.5 | 595.2 | 697.5 | 688.9 | 689.6 | 726.3 | 781.8 | 580.8 | 505.8 |
| 70° | 268.0 | 267.3 | 282.5 | 383.3 | 561.3 | 567.1 | 538.3 | 527.5 | 500.1 | 302.6 | 320.6 |
| 72.5° | 172.2 | 167.2 | 175.1 | 211.8 | 290.4 | 335.8 | 345.9 | 352.4 | 289.7 | 237.8 | 258.0 |
| 75° | 97.3 | 92.2 | 89.3 | 98.7 | 114.6 | 132.6 | 145.6 | 149.9 | 167.9 | 180.1 | 190.9 |
| 77.5° | 29.5 | 26.7 | 32.4 | 43.2 | 56.9 | 76.4 | 93.0 | 95.8 | 113.1 | 127.5 | 138.3 |
| 80° | 13.0 | 14.4 | 20.2 | 28.8 | 40.4 | 54.0 | 65.6 | 69.9 | 81.4 | 92.2 | 95.1 |
| 82.5° | 7.9 | 8.6 | 13.7 | 19.5 | 28.1 | 38.2 | 46.8 | 48.3 | 59.8 | 68.5 | 70.6 |
| 85° | 2.9 | 3.6 | 7.2 | 11.5 | 18.0 | 24.5 | 24.5 | 26.7 | 24.5 | 24.5 | 26.7 |
| 87.5° | 0.0 | 0.0 | 0.7 | 1.4 | 1.4 | 2.2 | 2.9 | 2.9 | 3.6 | 4.3 | 5.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P526568

CATALOG NUMBER: GLAN-SA1C-735-U-SL2-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1858.3 | 1858.3 | 1858.3 | 1858.3 | 1858.3 | 1858.3 | 1858.3 | 1858.3 | 1858.3 | 1858.3 | 1858.3 |
| 2.5° | 1863.4 | 1859.8 | 1854.0 | 1833.1 | 1830.9 | 1824.5 | 1788.4 | 1782.7 | 1788.4 | 1771.1 | 1772.6 |
| 5° | 1859.8 | 1870.6 | 1827.3 | 1806.4 | 1767.5 | 1739.4 | 1707.0 | 1690.4 | 1660.9 | 1642.2 | 1663.1 |
| 7.5° | 1875.6 | 1871.3 | 1817.3 | 1771.9 | 1713.5 | 1642.2 | 1585.2 | 1552.8 | 1500.9 | 1486.5 | 1497.3 |
| 10° | 1869.9 | 1846.8 | 1783.4 | 1723.6 | 1613.3 | 1550.6 | 1458.4 | 1369.1 | 1320.1 | 1294.8 | 1291.2 |
| 12.5° | 1861.9 | 1855.4 | 1749.5 | 1646.5 | 1530.5 | 1398.6 | 1268.9 | 1184.6 | 1104.6 | 1070.0 | 1075.1 |
| 15° | 1871.3 | 1816.5 | 1686.1 | 1555.7 | 1401.5 | 1228.6 | 1088.8 | 980.0 | 924.5 | 902.1 | 902.1 |
| 17.5° | 1867.0 | 1797.8 | 1655.8 | 1454.1 | 1258.8 | 1054.2 | 900.7 | 835.1 | 812.1 | 812.1 | 818.6 |
| 20° | 1869.1 | 1810.0 | 1594.6 | 1352.5 | 1090.2 | 887.7 | 776.0 | 752.3 | 762.4 | 766.0 | 769.6 |
| 22.5° | 1881.4 | 1769.7 | 1534.8 | 1240.8 | 933.8 | 759.5 | 704.7 | 705.4 | 723.4 | 742.9 | 739.3 |
| 25° | 1896.5 | 1753.8 | 1462.0 | 1129.8 | 814.2 | 696.8 | 679.5 | 677.3 | 691.0 | 701.1 | 702.5 |
| 27.5° | 1883.5 | 1726.5 | 1387.8 | 991.5 | 716.2 | 655.0 | 651.4 | 652.8 | 657.2 | 677.3 | 670.8 |
| 30° | 1926.1 | 1734.4 | 1294.8 | 875.5 | 662.2 | 641.3 | 637.0 | 634.8 | 641.3 | 647.1 | 642.0 |
| 32.5° | 1978.7 | 1706.3 | 1225.7 | 763.8 | 635.5 | 631.2 | 622.6 | 619.7 | 623.3 | 617.5 | 620.4 |
| 35° | 2001.7 | 1701.2 | 1135.6 | 683.8 | 614.6 | 611.0 | 606.0 | 605.3 | 606.0 | 600.9 | 596.6 |
| 37.5° | 2014.7 | 1725.0 | 1032.6 | 647.1 | 601.7 | 605.3 | 593.7 | 592.3 | 579.3 | 582.2 | 584.4 |
| 40° | 2037.0 | 1688.3 | 949.0 | 611.8 | 593.7 | 586.5 | 576.4 | 574.3 | 565.6 | 560.6 | 565.6 |
| 42.5° | 2004.6 | 1677.5 | 866.8 | 596.6 | 582.2 | 574.3 | 567.1 | 554.8 | 551.9 | 547.6 | 544.7 |
| 45° | 1978.7 | 1615.5 | 793.3 | 577.9 | 568.5 | 564.2 | 550.5 | 537.5 | 526.7 | 531.1 | 524.6 |
| 47.5° | 1998.1 | 1593.9 | 720.6 | 562.0 | 549.8 | 544.7 | 531.1 | 521.0 | 510.2 | 505.1 | 503.7 |
| 50° | 2075.9 | 1634.2 | 659.3 | 550.5 | 533.9 | 531.1 | 513.0 | 501.5 | 491.4 | 487.8 | 489.3 |
| 52.5° | 2261.8 | 1744.5 | 617.5 | 526.7 | 518.8 | 505.8 | 495.7 | 481.3 | 474.8 | 463.3 | 470.5 |
| 55° | 2497.5 | 1923.9 | 606.7 | 504.4 | 500.1 | 488.5 | 474.8 | 464.0 | 451.8 | 442.4 | 440.3 |
| 56° | 2573.1 | 2009.6 | 598.1 | 495.7 | 488.5 | 482.1 | 464.0 | 457.6 | 438.1 | 435.9 | 434.5 |
| 57.5° | 2634.4 | 2085.3 | 599.5 | 479.2 | 472.0 | 466.2 | 455.4 | 439.5 | 426.6 | 418.6 | 422.2 |
| 60° | 2496.0 | 1952.0 | 572.1 | 454.0 | 452.5 | 441.7 | 426.6 | 419.4 | 403.5 | 394.1 | 392.0 |
| 62.5° | 1855.4 | 1325.1 | 464.0 | 421.5 | 420.8 | 409.3 | 392.0 | 384.1 | 381.2 | 368.2 | 368.2 |
| 65° | 1068.6 | 830.8 | 401.4 | 394.9 | 389.1 | 377.6 | 360.3 | 353.8 | 346.6 | 342.3 | 338.7 |
| 67.5° | 456.1 | 430.9 | 364.6 | 363.9 | 357.4 | 343.0 | 325.7 | 315.6 | 306.2 | 297.6 | 301.9 |
| 70° | 330.7 | 335.8 | 329.3 | 325.7 | 317.8 | 299.8 | 284.6 | 272.4 | 258.0 | 252.2 | 256.5 |
| 72.5° | 262.3 | 273.1 | 282.5 | 283.2 | 273.8 | 252.9 | 236.3 | 219.8 | 203.9 | 196.0 | 199.6 |
| 75° | 198.9 | 206.1 | 215.4 | 217.6 | 203.9 | 189.5 | 173.7 | 156.4 | 144.1 | 134.7 | 136.2 |
| 77.5° | 143.4 | 142.0 | 150.6 | 149.2 | 142.7 | 132.6 | 118.2 | 102.3 | 88.6 | 80.0 | 80.7 |
| 80° | 98.0 | 100.2 | 105.2 | 104.5 | 96.6 | 90.1 | 79.3 | 66.3 | 56.2 | 49.0 | 47.6 |
| 82.5° | 68.5 | 72.1 | 76.4 | 72.8 | 66.3 | 59.8 | 51.9 | 42.5 | 34.6 | 28.8 | 27.4 |
| 85° | 24.5 | 28.1 | 32.4 | 34.6 | 36.7 | 35.3 | 29.5 | 23.8 | 17.3 | 14.4 | 13.7 |
| 87.5° | 5.0 | 5.8 | 6.5 | 6.5 | 6.5 | 5.8 | 5.0 | 5.0 | 4.3 | 2.2 | 2.2 |
| 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)