

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P634378

Luminaire Tested: GWS-SA3B-750-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634378
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-750-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10816.4 lumens
Efficiency: N/A
Efficacy: 158.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

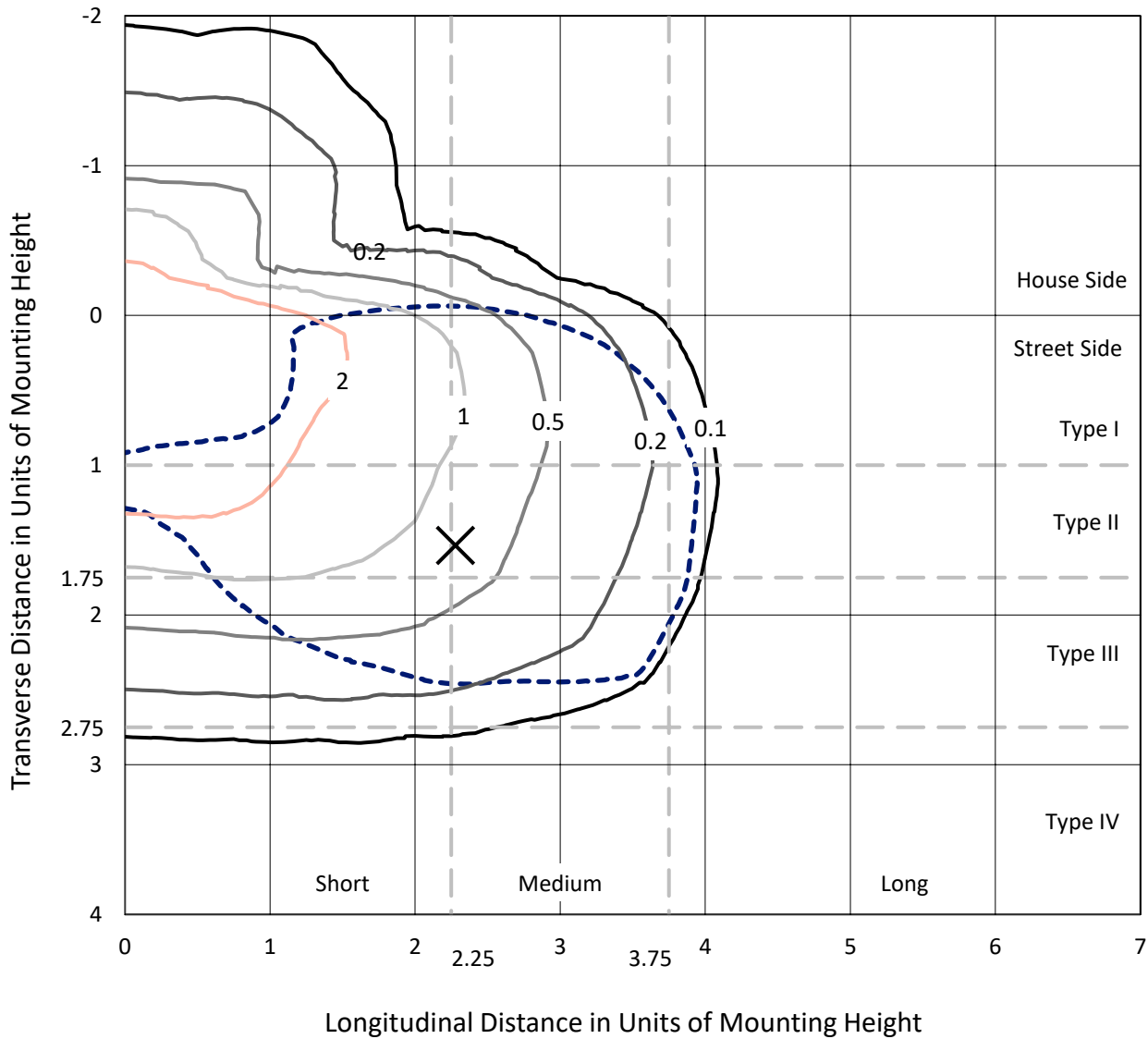


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Iso-Footcandle Lines of Horizontal Illumination

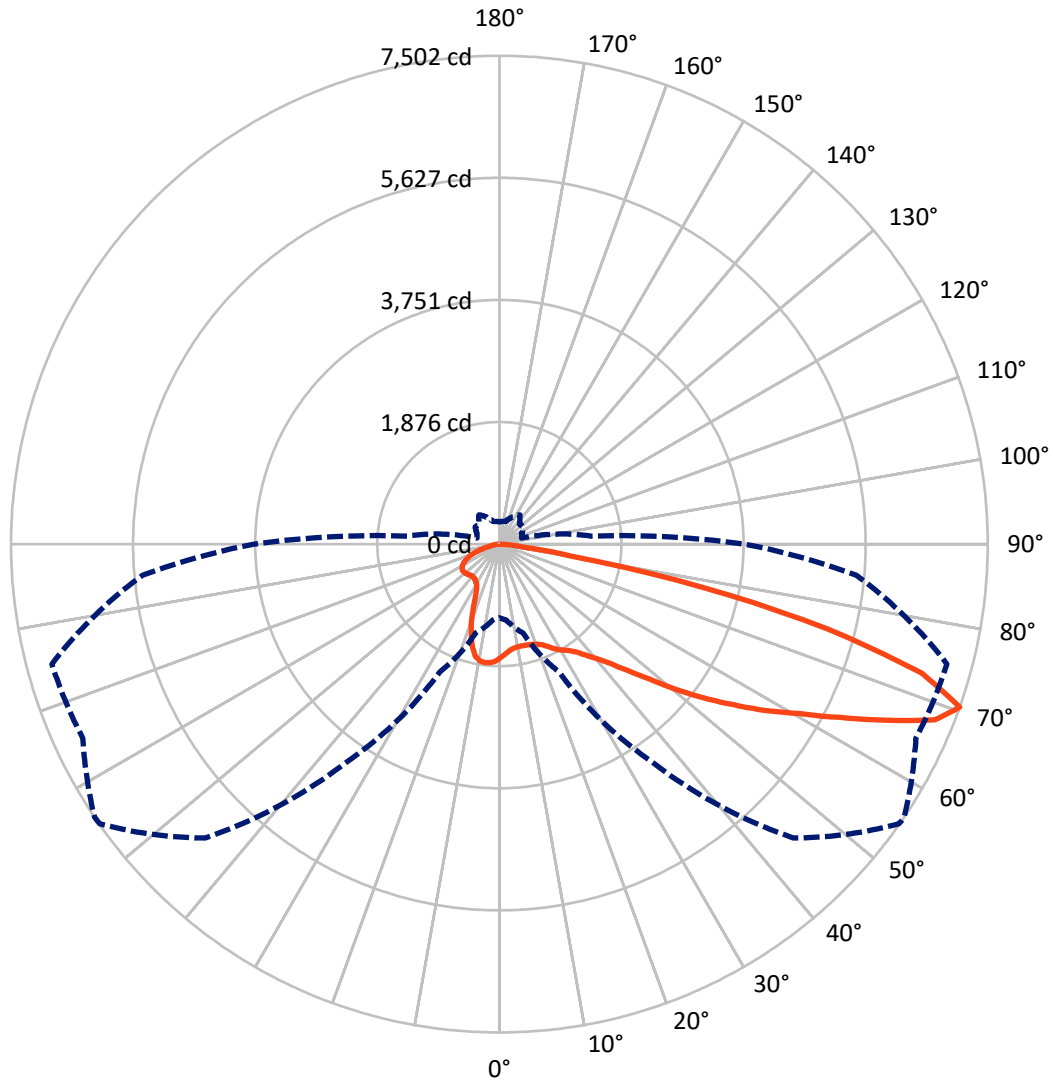
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2079.5 | 0.0 | 2079.5 |
| | % Fixture | 19.2 | 0.0 | 19.2 |
| Street Side | Lumens | 8736.9 | 0.0 | 8736.9 |
| | % Fixture | 80.8 | 0.0 | 80.8 |
| Total | Lumens | 10816.4 | 0.0 | 10816.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 161.6 | 1.5 |
| 10°-20° | 437.8 | 4.0 |
| 20°-30° | 723.8 | 6.7 |
| 30°-40° | 1082.1 | 10.0 |
| 40°-50° | 1610.3 | 14.9 |
| 50°-60° | 2289.4 | 21.2 |
| 60°-70° | 2835.5 | 26.2 |
| 70°-80° | 1565.7 | 14.5 |
| 80°-90° | 110.3 | 1.0 |
| 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° | 10816.4 | 100.0 |
| 0°-180° | 10816.4 | 100.0 |

Coefficient of Utilization



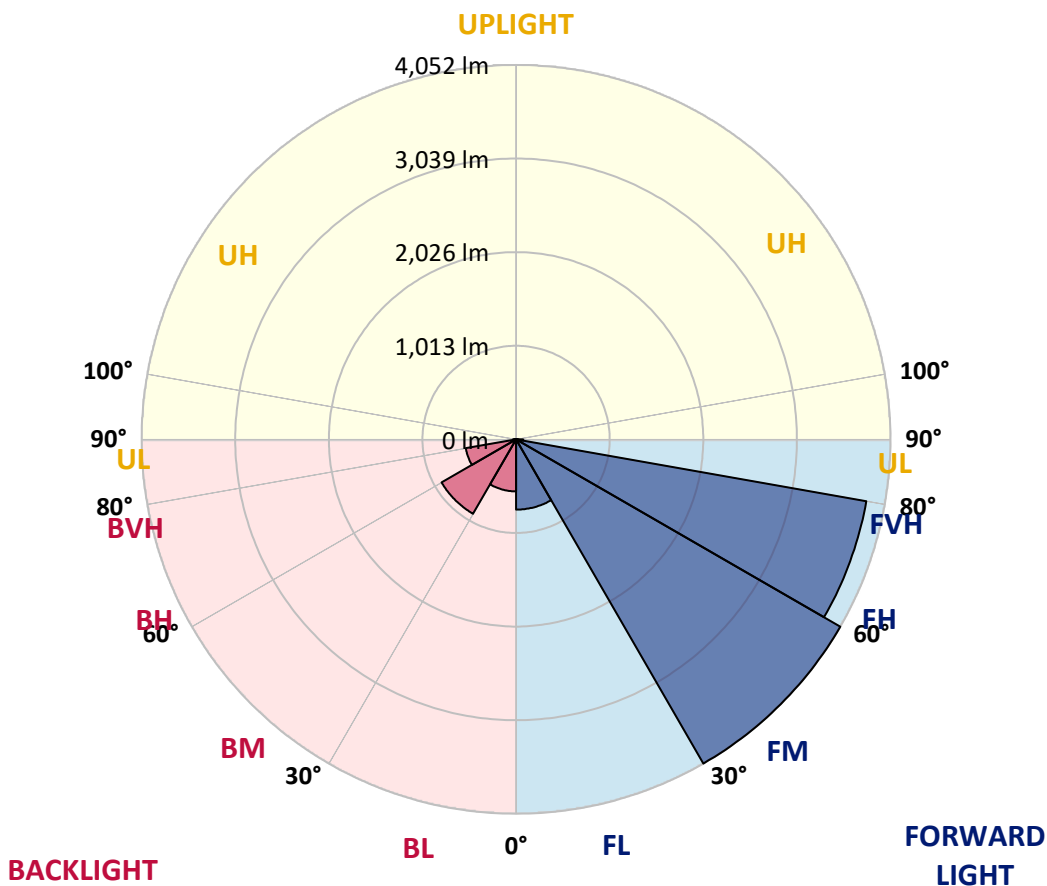
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 760.2 | 7.0 | | | |
| FM (30°-60°) | 4051.7 | 37.5 | | | |
| FH (60°-80°) | 3848.5 | 35.6 | | | G2/5000 |
| FVH (80°-90°) | 76.6 | 0.7 | | | G1/100 |
| BL (0°-30°) | 562.9 | 5.2 | B2/1000 | | |
| BM (30°-60°) | 930.2 | 8.6 | B1/1000 | | |
| BH (60°-80°) | 552.7 | 5.1 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 33.6 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1745.9 | 1745.9 | 1745.9 | 1745.9 | 1745.9 | 1745.9 | 1745.9 | 1745.9 | 1745.9 | 1745.9 | 1745.9 |
| 2.5° | 1633.8 | 1624.7 | 1635.3 | 1640.7 | 1654.4 | 1674.2 | 1691.8 | 1692.5 | 1701.7 | 1723.8 | 1745.2 |
| 5° | 1559.8 | 1555.2 | 1558.3 | 1574.3 | 1588.8 | 1614.0 | 1640.7 | 1643.0 | 1668.9 | 1712.4 | 1755.1 |
| 7.5° | 1502.6 | 1496.5 | 1508.0 | 1528.5 | 1546.9 | 1575.1 | 1610.2 | 1613.2 | 1649.8 | 1715.4 | 1781.0 |
| 10° | 1420.2 | 1415.7 | 1437.0 | 1464.5 | 1504.1 | 1550.7 | 1597.2 | 1601.0 | 1649.1 | 1735.3 | 1826.8 |
| 12.5° | 1384.4 | 1384.4 | 1393.5 | 1419.5 | 1463.0 | 1524.7 | 1594.9 | 1601.0 | 1661.3 | 1765.8 | 1885.5 |
| 15° | 1440.1 | 1443.9 | 1436.3 | 1434.7 | 1452.3 | 1511.0 | 1598.0 | 1607.1 | 1684.2 | 1797.0 | 1943.5 |
| 17.5° | 1552.2 | 1556.0 | 1536.2 | 1504.9 | 1487.4 | 1524.0 | 1609.4 | 1619.3 | 1708.6 | 1831.4 | 2006.0 |
| 20° | 1709.3 | 1713.9 | 1670.4 | 1622.4 | 1562.1 | 1561.3 | 1631.5 | 1640.7 | 1739.8 | 1868.7 | 2072.4 |
| 22.5° | 1893.1 | 1896.2 | 1841.3 | 1765.0 | 1672.7 | 1630.8 | 1669.7 | 1678.8 | 1780.3 | 1920.6 | 2144.1 |
| 25° | 2106.0 | 2115.1 | 2048.7 | 1938.1 | 1813.1 | 1726.1 | 1733.0 | 1743.6 | 1852.7 | 1990.0 | 2228.8 |
| 27.5° | 2333.3 | 2344.7 | 2268.4 | 2146.4 | 1974.0 | 1831.4 | 1814.6 | 1823.7 | 1929.8 | 2032.7 | 2273.8 |
| 30° | 2565.9 | 2574.3 | 2498.0 | 2358.4 | 2147.1 | 1950.4 | 1883.2 | 1888.6 | 1963.3 | 2053.3 | 2319.5 |
| 32.5° | 2824.5 | 2817.6 | 2744.4 | 2583.4 | 2347.0 | 2093.0 | 1947.3 | 1945.8 | 2000.7 | 2094.5 | 2385.1 |
| 35° | 3067.0 | 3076.9 | 2999.1 | 2821.4 | 2566.7 | 2269.2 | 2043.4 | 2037.3 | 2080.0 | 2161.6 | 2477.4 |
| 37.5° | 3360.7 | 3357.6 | 3264.6 | 3072.4 | 2787.1 | 2437.7 | 2178.4 | 2167.7 | 2183.0 | 2266.1 | 2606.3 |
| 40° | 3570.4 | 3591.8 | 3531.5 | 3352.3 | 3044.9 | 2645.2 | 2336.3 | 2312.7 | 2316.5 | 2395.0 | 2778.7 |
| 42.5° | 3742.0 | 3761.9 | 3768.0 | 3653.6 | 3340.1 | 2901.5 | 2533.1 | 2509.4 | 2511.7 | 2623.1 | 2990.7 |
| 45° | 3874.0 | 3900.7 | 3986.9 | 3953.3 | 3672.6 | 3197.4 | 2799.3 | 2774.9 | 2776.4 | 2900.0 | 3247.0 |
| 47.5° | 3928.2 | 3957.1 | 4131.8 | 4211.9 | 4025.8 | 3551.4 | 3130.3 | 3094.5 | 3099.8 | 3236.3 | 3539.9 |
| 50° | 3910.6 | 3949.5 | 4186.0 | 4411.0 | 4321.7 | 3911.4 | 3526.2 | 3501.0 | 3480.4 | 3678.7 | 3858.0 |
| 52.5° | 3759.6 | 3802.3 | 4180.6 | 4537.6 | 4563.5 | 4251.6 | 3935.0 | 3920.5 | 3916.0 | 4148.6 | 4213.4 |
| 55° | 3314.9 | 3386.6 | 3996.8 | 4571.2 | 4752.7 | 4571.9 | 4378.2 | 4353.8 | 4377.4 | 4652.0 | 4572.7 |
| 57.5° | 3068.5 | 3121.9 | 3636.8 | 4533.8 | 4907.5 | 4877.0 | 4820.6 | 4822.9 | 4849.6 | 5198.9 | 5008.2 |
| 60° | 2928.2 | 2990.7 | 3436.9 | 4431.6 | 5056.3 | 5247.7 | 5283.6 | 5283.6 | 5331.6 | 5788.5 | 5450.6 |
| 62.5° | 2742.1 | 2805.4 | 3250.1 | 4234.8 | 5193.6 | 5684.0 | 5865.5 | 5863.3 | 5882.3 | 6420.8 | 5883.1 |
| 65° | 2364.5 | 2423.3 | 2874.8 | 3924.3 | 5260.7 | 6164.5 | 6526.8 | 6520.0 | 6481.8 | 6983.7 | 6169.1 |
| 67.5° | 1716.9 | 1772.6 | 2202.1 | 3334.0 | 5018.9 | 6552.0 | 7208.0 | 7211.0 | 6983.0 | 7338.4 | 6184.4 |
| 70° | 1131.9 | 1170.1 | 1415.7 | 2165.4 | 4081.5 | 6385.0 | 7493.2 | 7502.4 | 7060.0 | 7117.2 | 5504.0 |
| 72.5° | 706.3 | 733.0 | 884.0 | 1291.3 | 2411.8 | 5054.0 | 6761.0 | 6786.2 | 6351.4 | 6254.5 | 4522.3 |
| 75° | 469.1 | 487.4 | 588.1 | 752.8 | 1115.9 | 2735.2 | 5139.4 | 5220.3 | 5090.6 | 4903.0 | 3150.9 |
| 77.5° | 282.2 | 297.5 | 374.5 | 478.2 | 494.3 | 1068.6 | 2999.9 | 3208.9 | 3227.2 | 2559.8 | 1319.6 |
| 80° | 128.9 | 146.4 | 206.7 | 273.1 | 263.1 | 372.2 | 1057.9 | 1106.7 | 1305.8 | 813.1 | 416.5 |
| 82.5° | 76.3 | 83.9 | 137.3 | 135.8 | 112.1 | 180.8 | 380.6 | 390.5 | 331.8 | 297.5 | 177.7 |
| 85° | 30.5 | 35.8 | 58.0 | 51.1 | 41.2 | 58.7 | 143.4 | 150.3 | 144.2 | 129.7 | 65.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.5 | 13.0 | 13.7 | 19.8 | 35.8 | 19.8 |
| 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° | 1745.9 | 1745.9 | 1745.9 | 1745.9 | 1745.9 | 1745.9 | 1745.9 | 1745.9 | 1745.9 | 1745.9 | 1745.9 |
| 2.5° | 1758.9 | 1754.3 | 1777.2 | 1794.7 | 1802.4 | 1810.0 | 1803.1 | 1800.9 | 1800.9 | 1785.6 | 1778.0 |
| 5° | 1778.0 | 1780.3 | 1811.5 | 1826.0 | 1826.0 | 1819.9 | 1801.6 | 1788.6 | 1784.1 | 1764.2 | 1758.9 |
| 7.5° | 1813.8 | 1823.7 | 1852.7 | 1852.0 | 1830.6 | 1797.0 | 1751.3 | 1716.2 | 1684.2 | 1670.4 | 1662.0 |
| 10° | 1872.5 | 1885.5 | 1905.3 | 1873.3 | 1813.8 | 1725.3 | 1628.5 | 1552.2 | 1506.4 | 1469.8 | 1469.8 |
| 12.5° | 1939.7 | 1951.9 | 1948.1 | 1874.1 | 1751.3 | 1585.8 | 1446.2 | 1358.5 | 1294.4 | 1260.8 | 1260.8 |
| 15° | 2006.8 | 2016.7 | 1975.5 | 1839.0 | 1620.8 | 1400.4 | 1247.9 | 1142.6 | 1086.9 | 1055.6 | 1055.6 |
| 17.5° | 2074.7 | 2073.9 | 1987.0 | 1758.1 | 1450.7 | 1195.2 | 1045.7 | 964.1 | 945.0 | 939.7 | 938.9 |
| 20° | 2140.3 | 2122.7 | 1972.5 | 1623.1 | 1253.2 | 988.5 | 893.9 | 899.3 | 927.5 | 939.7 | 941.2 |
| 22.5° | 2214.3 | 2170.8 | 1929.8 | 1450.7 | 1028.9 | 845.1 | 851.2 | 895.5 | 936.7 | 955.0 | 957.3 |
| 25° | 2289.8 | 2212.0 | 1858.1 | 1248.6 | 841.3 | 792.5 | 839.8 | 889.4 | 935.9 | 959.5 | 961.8 |
| 27.5° | 2320.3 | 2212.0 | 1736.0 | 1014.5 | 741.4 | 770.4 | 822.2 | 870.3 | 919.1 | 946.6 | 951.9 |
| 30° | 2345.5 | 2192.9 | 1565.2 | 803.2 | 700.2 | 749.0 | 794.0 | 838.3 | 886.3 | 919.9 | 926.0 |
| 32.5° | 2380.5 | 2176.1 | 1358.5 | 675.0 | 681.1 | 728.4 | 759.7 | 797.1 | 840.5 | 862.7 | 860.4 |
| 35° | 2421.7 | 2150.2 | 1109.0 | 614.0 | 665.1 | 710.9 | 733.0 | 755.1 | 735.3 | 734.5 | 736.8 |
| 37.5° | 2480.5 | 2127.3 | 891.7 | 586.6 | 654.4 | 698.7 | 717.0 | 669.7 | 642.2 | 630.8 | 626.2 |
| 40° | 2565.1 | 2118.2 | 703.3 | 570.5 | 652.9 | 697.9 | 684.9 | 611.7 | 574.4 | 534.7 | 533.9 |
| 42.5° | 2671.9 | 2111.3 | 581.2 | 562.9 | 658.3 | 715.5 | 640.7 | 573.6 | 496.5 | 479.0 | 477.5 |
| 45° | 2809.2 | 2100.6 | 520.2 | 561.4 | 671.2 | 729.2 | 636.1 | 521.0 | 468.3 | 460.7 | 460.7 |
| 47.5° | 2974.7 | 2083.8 | 492.7 | 561.4 | 685.7 | 723.1 | 622.4 | 509.5 | 455.4 | 463.8 | 469.1 |
| 50° | 3164.6 | 2062.5 | 478.2 | 559.9 | 700.2 | 723.1 | 593.4 | 507.2 | 452.3 | 495.8 | 513.3 |
| 52.5° | 3367.5 | 2038.1 | 468.3 | 553.8 | 710.1 | 723.8 | 594.9 | 514.9 | 455.4 | 503.4 | 517.9 |
| 55° | 3591.8 | 2034.3 | 454.6 | 540.8 | 713.2 | 704.0 | 598.8 | 531.6 | 459.9 | 456.1 | 456.9 |
| 57.5° | 3874.8 | 2080.0 | 444.7 | 521.7 | 701.0 | 663.6 | 606.4 | 543.8 | 454.6 | 455.4 | 460.7 |
| 60° | 4170.7 | 2166.2 | 453.1 | 503.4 | 675.8 | 625.5 | 611.7 | 537.7 | 428.7 | 416.5 | 418.0 |
| 62.5° | 4422.4 | 2231.8 | 459.9 | 495.0 | 639.2 | 591.9 | 606.4 | 524.0 | 414.2 | 411.1 | 418.0 |
| 65° | 4527.7 | 2177.6 | 443.2 | 477.5 | 585.8 | 550.7 | 594.9 | 506.5 | 402.0 | 390.5 | 391.3 |
| 67.5° | 4411.0 | 1923.7 | 410.4 | 438.6 | 525.5 | 498.1 | 576.6 | 483.6 | 385.2 | 371.5 | 368.4 |
| 70° | 3768.0 | 1413.4 | 353.9 | 376.8 | 452.3 | 436.3 | 548.4 | 453.8 | 358.5 | 348.6 | 341.7 |
| 72.5° | 3036.5 | 1000.7 | 293.7 | 299.8 | 354.7 | 367.6 | 499.6 | 416.5 | 328.0 | 299.8 | 289.8 |
| 75° | 2113.6 | 628.5 | 244.8 | 238.7 | 256.3 | 280.7 | 389.8 | 345.5 | 283.0 | 253.2 | 244.1 |
| 77.5° | 909.2 | 322.6 | 191.5 | 188.4 | 170.9 | 194.5 | 299.0 | 288.3 | 237.2 | 202.9 | 197.6 |
| 80° | 304.3 | 186.9 | 138.1 | 132.7 | 113.6 | 136.5 | 210.5 | 230.4 | 186.1 | 150.3 | 141.1 |
| 82.5° | 152.5 | 108.3 | 87.7 | 79.3 | 76.3 | 86.2 | 124.3 | 143.4 | 128.9 | 103.7 | 87.7 |
| 85° | 74.7 | 61.8 | 48.1 | 47.3 | 39.7 | 37.4 | 51.9 | 61.0 | 58.0 | 42.7 | 40.4 |
| 87.5° | 27.5 | 24.4 | 15.3 | 12.2 | 7.6 | 5.3 | 3.1 | 3.1 | 2.3 | 2.3 | 2.3 |
| 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)