

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: P641719

Luminaire Tested: GWS-SA6B-740-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-740-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17730.9 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

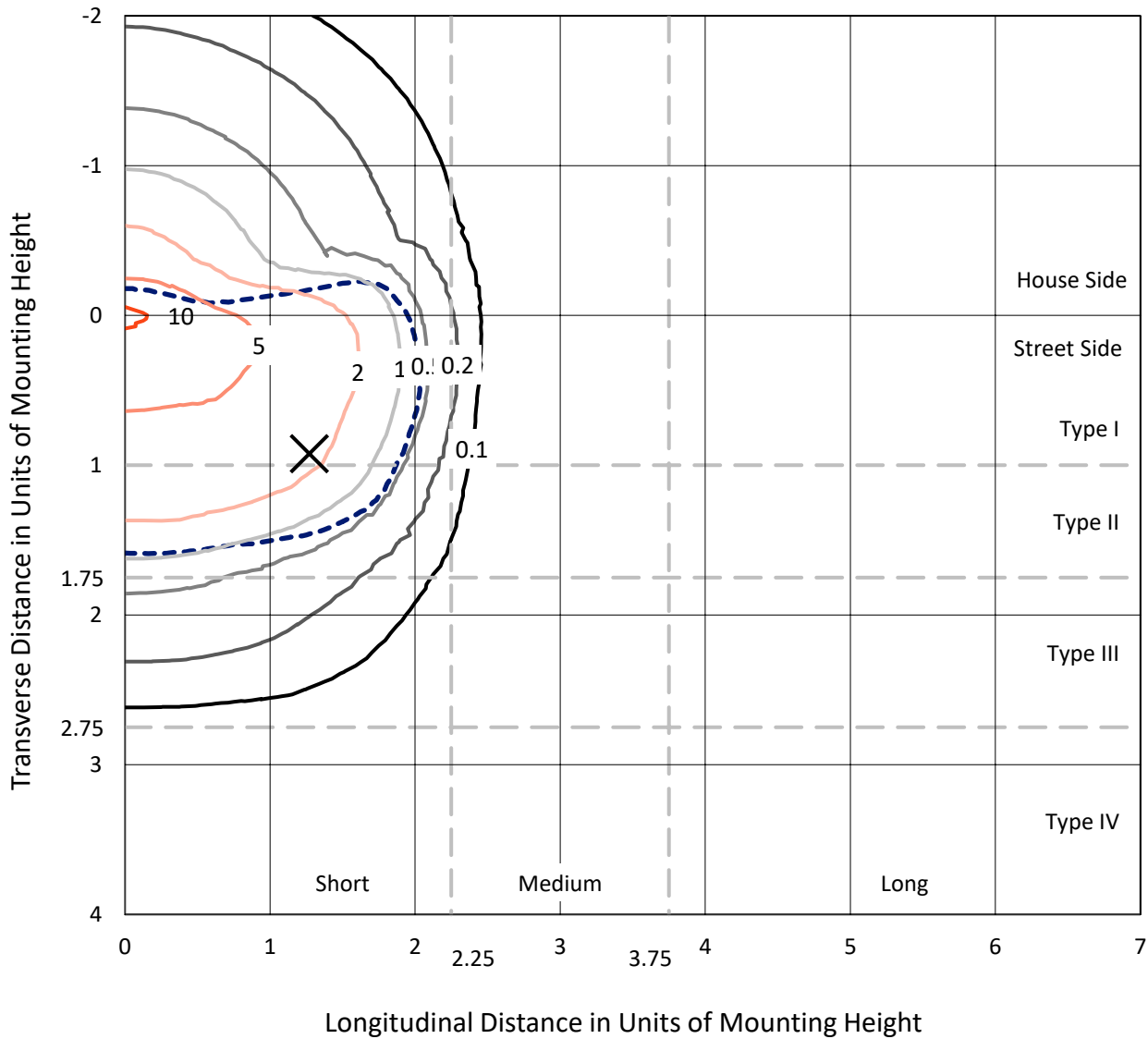
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

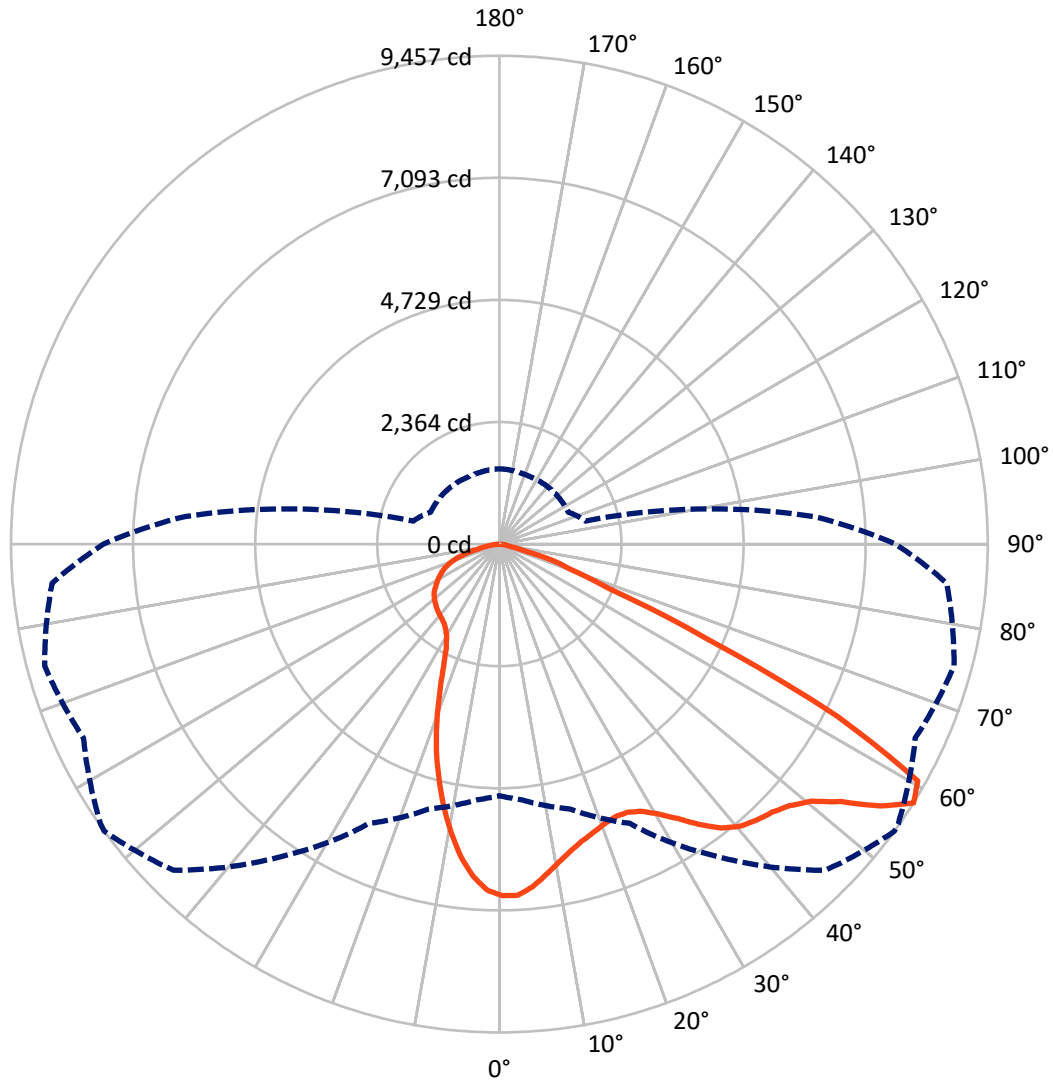
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5154.6 | 0.0 | 5154.6 |
| | % Fixture | 29.1 | 0.0 | 29.1 |
| Street Side | Lumens | 12576.3 | 0.0 | 12576.3 |
| | % Fixture | 70.9 | 0.0 | 70.9 |
| Total | Lumens | 17730.9 | 0.0 | 17730.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 598.4 | 3.4 |
| 10°-20° | 1427.7 | 8.1 |
| 20°-30° | 1975.8 | 11.1 |
| 30°-40° | 2745.4 | 15.5 |
| 40°-50° | 3625.8 | 20.4 |
| 50°-60° | 4308.7 | 24.3 |
| 60°-70° | 2387.1 | 13.5 |
| 70°-80° | 594.4 | 3.4 |
| 80°-90° | 67.6 | 0.4 |
| 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° | 17730.9 | 100.0 |
| 0°-180° | 17730.9 | 100.0 |

Coefficient of Utilization



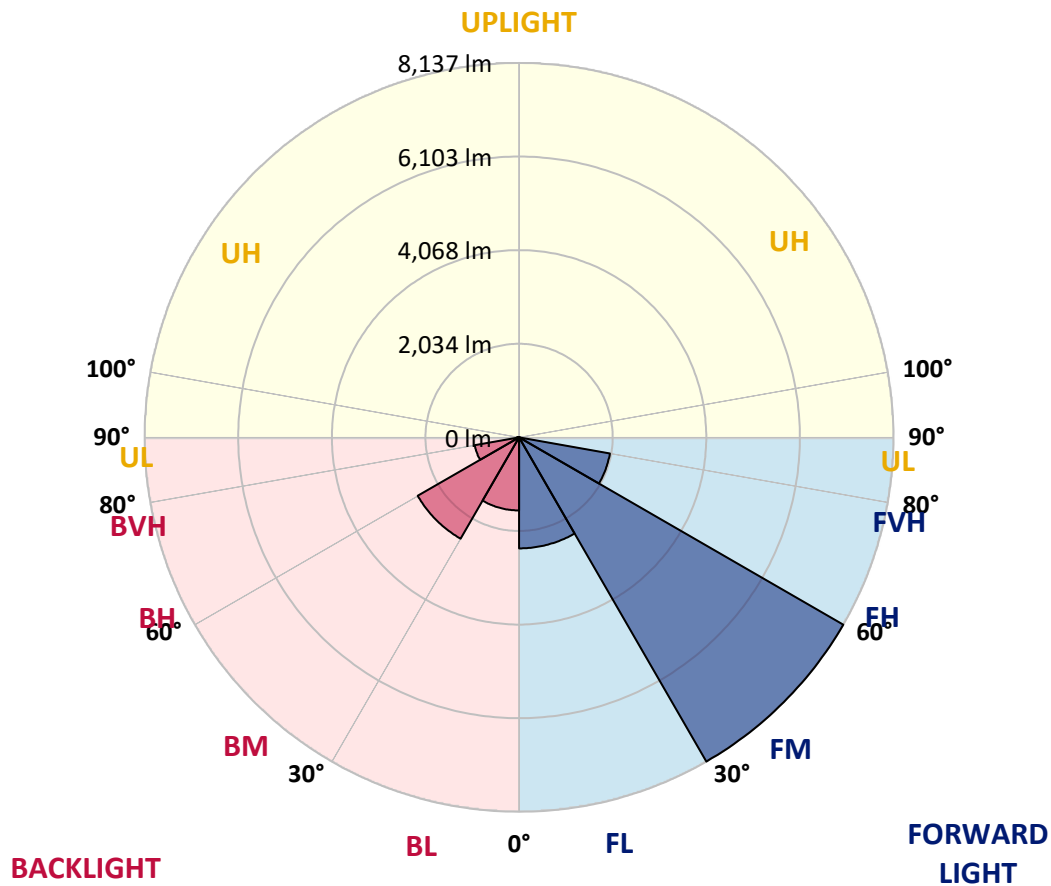
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2413.5 | 13.6 | | | |
| FM (30°-60°) | 8137.0 | 45.9 | | | |
| FH (60°-80°) | 2004.7 | 11.3 | | | G2/5000 |
| FVH (80°-90°) | 21.1 | 0.1 | | | G1/100 |
| BL (0°-30°) | 1588.4 | 9.0 | B3/2500 | | |
| BM (30°-60°) | 2542.9 | 14.3 | B3/5000 | | |
| BH (60°-80°) | 976.8 | 5.5 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 46.4 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 54° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6807.3 | 6807.3 | 6807.3 | 6807.3 | 6807.3 | 6807.3 | 6807.3 | 6807.3 | 6807.3 | 6807.3 | 6807.3 |
| 2.5° | 6679.8 | 6693.5 | 6702.6 | 6734.4 | 6761.8 | 6786.0 | 6811.8 | 6811.8 | 6810.3 | 6805.8 | 6796.7 |
| 5° | 6415.7 | 6430.9 | 6452.1 | 6496.1 | 6555.3 | 6597.8 | 6667.7 | 6673.7 | 6704.1 | 6716.2 | 6710.2 |
| 7.5° | 6109.1 | 6113.7 | 6141.0 | 6198.7 | 6292.8 | 6368.7 | 6468.8 | 6481.0 | 6553.8 | 6596.3 | 6588.7 |
| 10° | 5773.7 | 5758.5 | 5807.1 | 5892.1 | 6015.0 | 6142.5 | 6271.5 | 6282.1 | 6399.0 | 6479.5 | 6473.4 |
| 12.5° | 5467.1 | 5468.6 | 5517.2 | 5620.4 | 5773.7 | 5931.5 | 6104.6 | 6128.8 | 6273.0 | 6376.2 | 6365.6 |
| 15° | 5210.6 | 5216.6 | 5275.8 | 5392.7 | 5567.3 | 5755.5 | 5971.0 | 5993.8 | 6175.9 | 6312.5 | 6282.1 |
| 17.5° | 5005.7 | 5011.7 | 5063.4 | 5196.9 | 5383.6 | 5611.3 | 5873.9 | 5896.6 | 6122.8 | 6285.2 | 6222.9 |
| 20° | 4864.5 | 4861.5 | 4911.6 | 5039.1 | 5231.8 | 5479.2 | 5788.9 | 5822.2 | 6106.1 | 6295.8 | 6183.5 |
| 22.5° | 4806.8 | 4805.3 | 4841.8 | 4946.5 | 5127.1 | 5377.5 | 5737.3 | 5782.8 | 6124.3 | 6342.9 | 6159.2 |
| 25° | 4835.7 | 4829.6 | 4861.5 | 4938.9 | 5083.1 | 5338.1 | 5752.4 | 5801.0 | 6201.7 | 6440.0 | 6163.8 |
| 27.5° | 4925.2 | 4917.6 | 4945.0 | 5014.8 | 5124.1 | 5379.1 | 5858.7 | 5914.8 | 6365.6 | 6617.6 | 6224.5 |
| 30° | 5061.8 | 5057.3 | 5084.6 | 5151.4 | 5247.0 | 5515.7 | 6062.1 | 6125.8 | 6619.1 | 6893.8 | 6356.5 |
| 32.5° | 5221.2 | 5213.6 | 5262.2 | 5339.6 | 5450.4 | 5764.6 | 6335.3 | 6418.7 | 6919.6 | 7249.0 | 6578.1 |
| 35° | 5400.3 | 5394.2 | 5461.0 | 5573.3 | 5732.7 | 6110.6 | 6666.1 | 6757.2 | 7226.2 | 7651.2 | 6872.6 |
| 37.5° | 5574.8 | 5574.8 | 5703.9 | 5870.8 | 6071.2 | 6487.0 | 6977.3 | 7035.0 | 7438.7 | 8007.9 | 7188.3 |
| 40° | 5729.7 | 5738.8 | 5933.0 | 6183.5 | 6438.5 | 6827.0 | 7182.2 | 7230.8 | 7532.8 | 8253.8 | 7463.0 |
| 42.5° | 5901.2 | 5908.8 | 6134.9 | 6462.8 | 6766.3 | 7101.7 | 7306.6 | 7330.9 | 7551.0 | 8376.7 | 7657.3 |
| 45° | 6037.8 | 6048.4 | 6329.2 | 6679.8 | 7051.7 | 7308.2 | 7405.3 | 7426.6 | 7576.8 | 8443.5 | 7798.4 |
| 47.5° | 6109.1 | 6124.3 | 6446.1 | 6854.3 | 7244.4 | 7493.3 | 7567.7 | 7576.8 | 7683.1 | 8560.3 | 7968.4 |
| 50° | 6097.0 | 6127.3 | 6490.1 | 6940.9 | 7387.1 | 7680.0 | 7828.8 | 7843.9 | 7900.1 | 8731.9 | 8167.2 |
| 52.5° | 6204.7 | 6218.4 | 6584.2 | 7044.1 | 7590.5 | 8024.6 | 8282.6 | 8303.8 | 8278.0 | 8860.9 | 8285.6 |
| 55° | 6025.6 | 6090.9 | 6467.3 | 7028.9 | 7900.1 | 8557.3 | 8955.0 | 8944.3 | 8621.1 | 9005.1 | 8482.9 |
| 57.5° | 4873.6 | 4969.2 | 5313.8 | 5966.4 | 7390.1 | 8930.7 | 9457.4 | 9431.6 | 8886.7 | 9115.9 | 8696.9 |
| 60° | 3374.1 | 3389.2 | 3700.4 | 4163.3 | 5703.9 | 7889.5 | 9310.1 | 9366.3 | 8935.2 | 8976.2 | 8300.8 |
| 62.5° | 2698.6 | 2694.1 | 2722.9 | 2735.1 | 3627.5 | 5546.0 | 7349.1 | 7554.0 | 7423.5 | 6994.0 | 5883.0 |
| 65° | 2304.0 | 2320.7 | 2405.7 | 2361.7 | 2367.8 | 3123.6 | 4391.0 | 4419.8 | 4328.7 | 4173.9 | 3111.5 |
| 67.5° | 1803.1 | 1832.0 | 1982.2 | 2153.7 | 2099.1 | 2011.1 | 2278.2 | 2264.5 | 1784.9 | 1381.2 | 1141.4 |
| 70° | 1129.2 | 1147.5 | 1308.3 | 1690.8 | 1827.4 | 1651.4 | 1464.7 | 1458.6 | 956.2 | 786.2 | 862.1 |
| 72.5° | 658.7 | 661.8 | 707.3 | 942.5 | 1212.7 | 1129.2 | 1077.6 | 1038.2 | 614.7 | 626.8 | 687.6 |
| 75° | 362.8 | 362.8 | 361.2 | 406.8 | 478.1 | 423.5 | 409.8 | 399.2 | 411.3 | 466.0 | 511.5 |
| 77.5° | 75.9 | 77.4 | 82.0 | 107.8 | 139.6 | 170.0 | 214.0 | 215.5 | 268.6 | 311.1 | 347.6 |
| 80° | 34.9 | 36.4 | 45.5 | 57.7 | 74.4 | 98.7 | 130.5 | 132.0 | 162.4 | 195.8 | 220.1 |
| 82.5° | 18.2 | 19.7 | 24.3 | 30.4 | 39.5 | 51.6 | 72.9 | 72.9 | 97.1 | 115.4 | 130.5 |
| 85° | 6.1 | 6.1 | 9.1 | 12.1 | 16.7 | 21.2 | 28.8 | 28.8 | 42.5 | 56.2 | 65.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 3.0 | 6.1 | 6.1 | 7.6 | 9.1 | 15.2 |
| 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: GWS-SA6B-740-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6807.3 | 6807.3 | 6807.3 | 6807.3 | 6807.3 | 6807.3 | 6807.3 | 6807.3 | 6807.3 | 6807.3 | 6807.3 |
| 2.5° | 6776.9 | 6729.9 | 6731.4 | 6740.5 | 6711.7 | 6667.7 | 6638.8 | 6602.4 | 6579.6 | 6575.1 | 6591.8 |
| 5° | 6679.8 | 6625.2 | 6587.2 | 6547.8 | 6465.8 | 6368.7 | 6292.8 | 6230.5 | 6189.6 | 6174.4 | 6156.2 |
| 7.5° | 6546.2 | 6474.9 | 6379.3 | 6268.5 | 6119.7 | 5946.7 | 5825.3 | 5711.4 | 5632.5 | 5609.8 | 5599.1 |
| 10° | 6412.7 | 6309.5 | 6139.5 | 5933.0 | 5685.6 | 5451.9 | 5231.8 | 5063.4 | 4929.8 | 4853.9 | 4878.2 |
| 12.5° | 6274.6 | 6147.1 | 5881.4 | 5564.2 | 5219.7 | 4867.6 | 4579.2 | 4299.9 | 4084.4 | 3976.6 | 3944.7 |
| 15° | 6153.1 | 5980.1 | 5609.8 | 5180.2 | 4721.8 | 4278.7 | 3861.3 | 3442.4 | 3169.1 | 3020.4 | 2979.4 |
| 17.5° | 6049.9 | 5825.3 | 5322.9 | 4788.6 | 4240.7 | 3609.3 | 3096.3 | 2707.7 | 2521.1 | 2439.1 | 2433.0 |
| 20° | 5948.2 | 5673.5 | 5039.1 | 4366.7 | 3685.2 | 2977.9 | 2519.5 | 2337.4 | 2270.6 | 2241.8 | 2240.3 |
| 22.5° | 5857.2 | 5514.1 | 4740.1 | 3944.7 | 3132.7 | 2502.8 | 2250.9 | 2172.0 | 2153.7 | 2153.7 | 2150.7 |
| 25° | 5779.8 | 5354.8 | 4433.5 | 3497.0 | 2633.4 | 2228.1 | 2111.2 | 2077.9 | 2085.4 | 2099.1 | 2100.6 |
| 27.5° | 5747.9 | 5230.3 | 4137.5 | 3037.1 | 2288.8 | 2068.7 | 2015.6 | 2011.1 | 2032.3 | 2053.6 | 2056.6 |
| 30° | 5781.3 | 5145.3 | 3833.9 | 2596.9 | 2082.4 | 1971.6 | 1947.3 | 1956.4 | 1982.2 | 2003.5 | 2003.5 |
| 32.5° | 5884.5 | 5102.8 | 3524.3 | 2275.2 | 1962.5 | 1903.3 | 1895.7 | 1904.8 | 1924.6 | 1936.7 | 1938.2 |
| 35° | 6059.0 | 5119.5 | 3204.1 | 2058.1 | 1885.1 | 1853.2 | 1851.7 | 1857.8 | 1865.4 | 1873.0 | 1874.5 |
| 37.5° | 6279.1 | 5193.9 | 2861.0 | 1932.1 | 1835.0 | 1816.8 | 1813.8 | 1812.2 | 1813.8 | 1813.8 | 1815.3 |
| 40° | 6494.6 | 5306.2 | 2554.4 | 1857.8 | 1800.1 | 1784.9 | 1777.3 | 1766.7 | 1765.2 | 1762.2 | 1760.6 |
| 42.5° | 6654.0 | 5392.7 | 2310.1 | 1804.7 | 1768.2 | 1750.0 | 1740.9 | 1724.2 | 1722.7 | 1721.2 | 1719.7 |
| 45° | 6773.9 | 5465.6 | 2106.7 | 1753.0 | 1734.8 | 1718.1 | 1698.4 | 1683.2 | 1686.3 | 1689.3 | 1689.3 |
| 47.5° | 6909.0 | 5529.3 | 1958.0 | 1704.5 | 1693.9 | 1677.2 | 1652.9 | 1642.3 | 1652.9 | 1663.5 | 1663.5 |
| 50° | 7072.9 | 5618.9 | 1836.5 | 1655.9 | 1651.4 | 1631.6 | 1610.4 | 1605.8 | 1618.0 | 1633.1 | 1633.1 |
| 52.5° | 7192.8 | 5696.3 | 1750.0 | 1607.3 | 1607.3 | 1581.5 | 1563.3 | 1561.8 | 1575.5 | 1590.6 | 1592.2 |
| 55° | 7417.4 | 5876.9 | 1719.7 | 1551.2 | 1545.1 | 1525.4 | 1511.7 | 1501.1 | 1517.8 | 1531.5 | 1531.5 |
| 57.5° | 7670.9 | 6116.7 | 1727.2 | 1470.7 | 1463.2 | 1457.1 | 1446.5 | 1434.3 | 1438.9 | 1454.0 | 1455.6 |
| 60° | 7133.6 | 5652.3 | 1643.8 | 1390.3 | 1385.7 | 1382.7 | 1369.0 | 1347.8 | 1353.9 | 1366.0 | 1367.5 |
| 62.5° | 4982.9 | 3756.5 | 1329.6 | 1290.1 | 1305.3 | 1303.8 | 1285.6 | 1261.3 | 1262.8 | 1279.5 | 1279.5 |
| 65° | 2586.3 | 2032.3 | 1167.2 | 1199.1 | 1221.8 | 1212.7 | 1182.4 | 1161.1 | 1158.1 | 1179.3 | 1174.8 |
| 67.5° | 1115.6 | 1109.5 | 1062.5 | 1103.4 | 1127.7 | 1108.0 | 1076.1 | 1041.2 | 1044.2 | 1051.8 | 1045.8 |
| 70° | 898.5 | 925.9 | 945.6 | 989.6 | 1009.3 | 972.9 | 938.0 | 918.3 | 901.6 | 900.1 | 889.4 |
| 72.5° | 717.9 | 755.9 | 799.9 | 845.4 | 851.5 | 815.1 | 771.0 | 752.8 | 727.0 | 725.5 | 714.9 |
| 75° | 540.3 | 572.2 | 607.1 | 643.5 | 643.5 | 608.6 | 579.8 | 570.7 | 540.3 | 531.2 | 522.1 |
| 77.5° | 368.8 | 388.6 | 415.9 | 425.0 | 434.1 | 420.4 | 391.6 | 376.4 | 341.5 | 332.4 | 320.3 |
| 80° | 232.2 | 245.9 | 262.6 | 268.6 | 277.8 | 261.1 | 238.3 | 221.6 | 197.3 | 189.7 | 183.7 |
| 82.5° | 139.6 | 148.7 | 159.4 | 162.4 | 170.0 | 157.9 | 136.6 | 124.5 | 110.8 | 104.7 | 100.2 |
| 85° | 71.3 | 75.9 | 82.0 | 83.5 | 82.0 | 69.8 | 62.2 | 56.2 | 47.1 | 45.5 | 42.5 |
| 87.5° | 18.2 | 21.2 | 22.8 | 21.2 | 19.7 | 15.2 | 10.6 | 7.6 | 3.0 | 3.0 | 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 |

(END OF REPORT)