

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: P629151

Luminaire Tested: GWS-SA1B-722-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629151
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2641.8 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

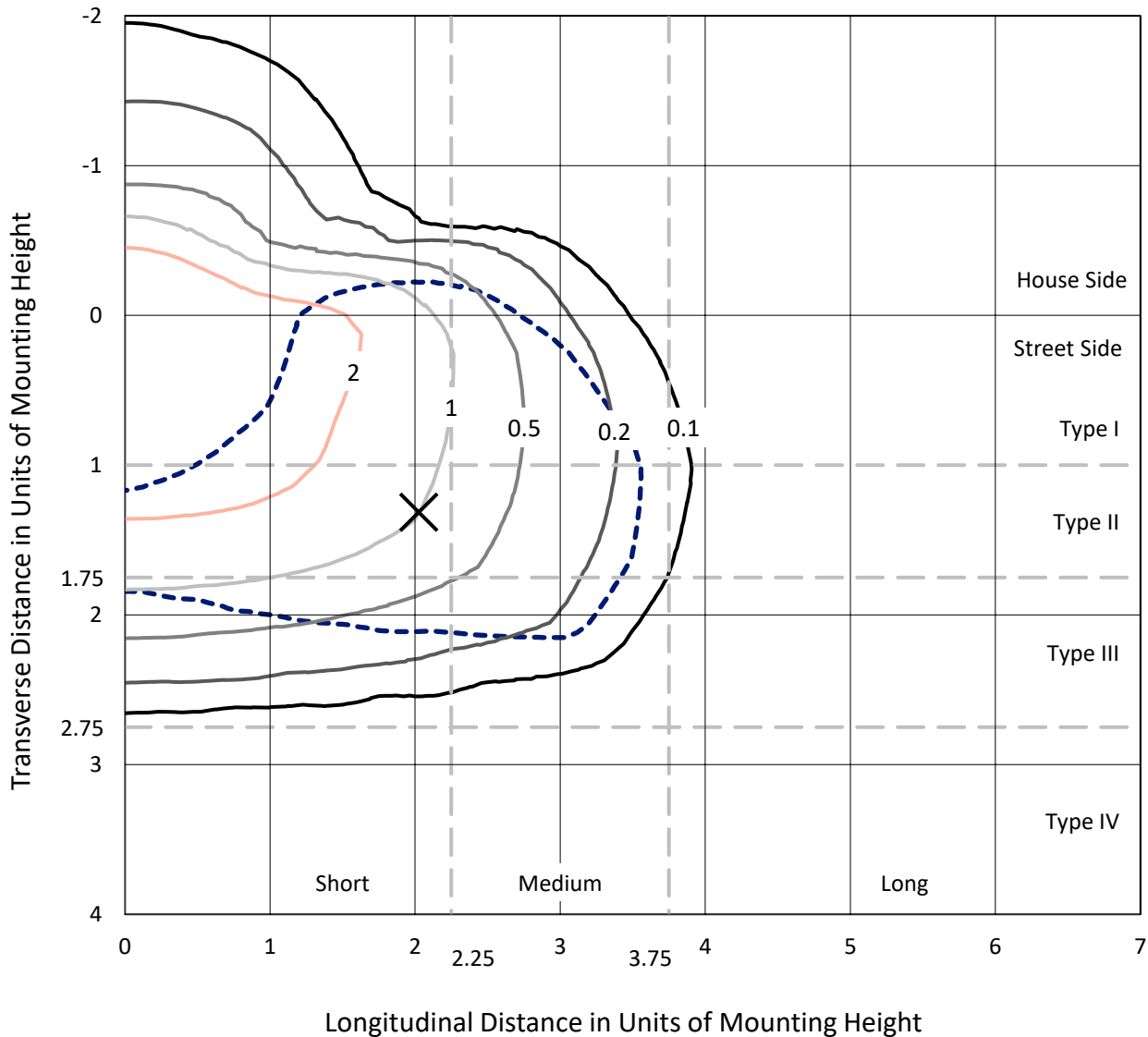
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

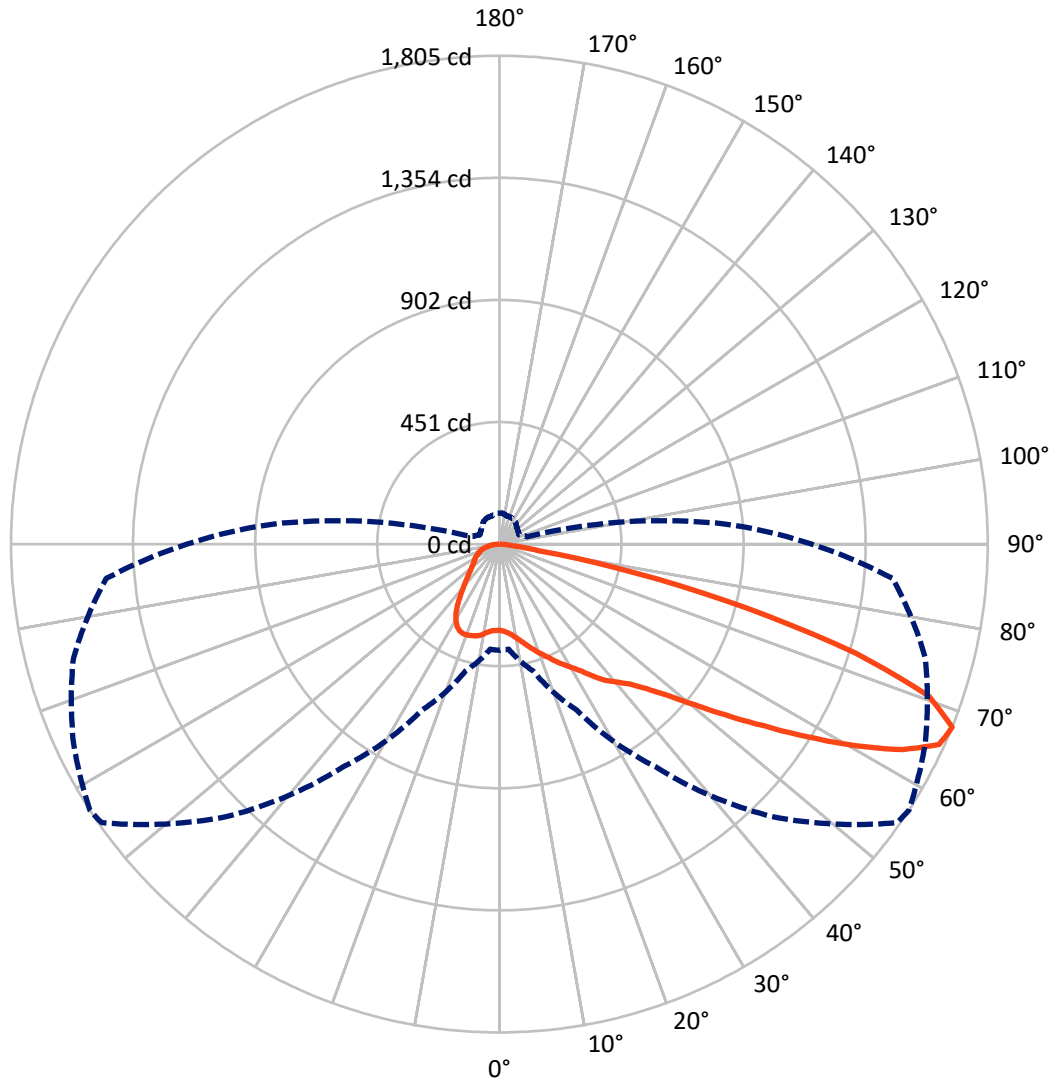
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 580.8 | 0.0 | 580.8 |
| | % Fixture | 22.0 | 0.0 | 22.0 |
| Street Side | Lumens | 2061.0 | 0.0 | 2061.0 |
| | % Fixture | 78.0 | 0.0 | 78.0 |
| Total | Lumens | 2641.8 | 0.0 | 2641.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 31.6 | 1.2 |
| 10°-20° | 104.5 | 4.0 |
| 20°-30° | 186.3 | 7.1 |
| 30°-40° | 270.9 | 10.3 |
| 40°-50° | 392.1 | 14.8 |
| 50°-60° | 613.6 | 23.2 |
| 60°-70° | 715.8 | 27.1 |
| 70°-80° | 298.8 | 11.3 |
| 80°-90° | 28.2 | 1.1 |
| 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° | 2641.8 | 100.0 |
| 0°-180° | 2641.8 | 100.0 |

Coefficient of Utilization



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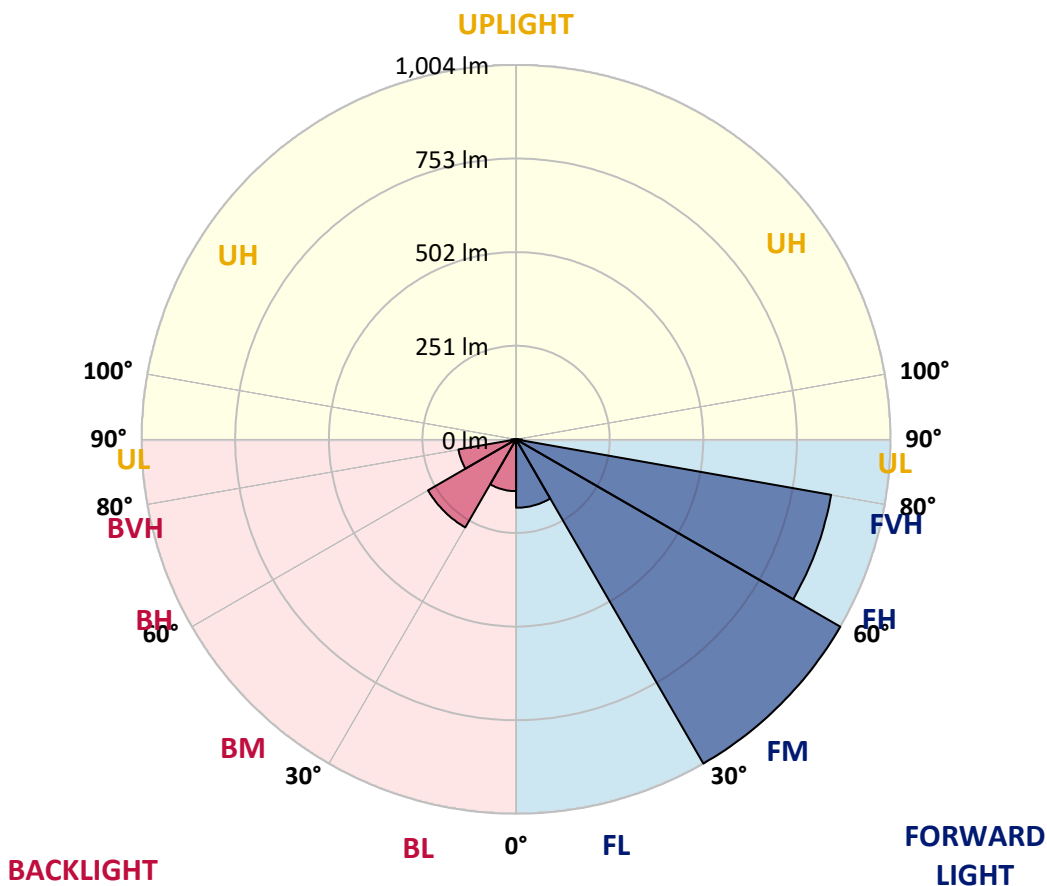
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 183.5 | 6.9 | | | |
| FM (30°-60°) | 1003.9 | 38.0 | | | |
| FH (60°-80°) | 857.8 | 32.5 | | | G1/1800 |
| FVH (80°-90°) | 15.7 | 0.6 | | | G1/100 |
| BL (0°-30°) | 138.9 | 5.3 | B1/500 | | |
| BM (30°-60°) | 272.7 | 10.3 | B1/1000 | | |
| BH (60°-80°) | 156.8 | 5.9 | B1/500 | | G1/500 |
| BVH (80°-90°) | 12.5 | 0.5 | | | 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 III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 57° | 65° | 75° | 85° |
|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 318.3 | 318.3 | 318.3 | 318.3 | 318.3 | 318.3 | 318.3 | 318.3 | 318.3 | 318.3 | 318.3 |
| 2.5° | 322.9 | 322.5 | 322.3 | 323.4 | 323.1 | 322.9 | 322.9 | 322.7 | 322.3 | 320.8 | 318.7 |
| 5° | 331.8 | 331.0 | 330.2 | 331.2 | 330.4 | 329.7 | 329.5 | 329.1 | 327.8 | 325.5 | 322.3 |
| 7.5° | 341.0 | 340.3 | 340.5 | 341.0 | 340.5 | 340.1 | 339.5 | 339.1 | 337.1 | 333.5 | 329.1 |
| 10° | 354.1 | 354.1 | 354.5 | 355.0 | 355.2 | 354.7 | 353.5 | 353.0 | 350.5 | 345.9 | 339.9 |
| 12.5° | 373.0 | 372.6 | 372.6 | 372.3 | 372.8 | 372.3 | 371.1 | 370.2 | 367.1 | 361.3 | 352.6 |
| 15° | 398.0 | 396.5 | 395.2 | 392.7 | 391.9 | 389.9 | 390.2 | 389.7 | 386.8 | 378.9 | 367.9 |
| 17.5° | 424.7 | 424.5 | 422.4 | 417.5 | 412.6 | 409.2 | 409.9 | 409.7 | 408.2 | 397.4 | 383.4 |
| 20° | 448.1 | 449.1 | 447.2 | 443.4 | 436.8 | 430.4 | 430.0 | 430.9 | 429.0 | 418.2 | 398.8 |
| 22.5° | 474.5 | 473.7 | 471.8 | 466.9 | 462.0 | 455.1 | 452.9 | 452.1 | 451.4 | 439.1 | 414.5 |
| 25° | 499.4 | 501.7 | 499.2 | 494.7 | 487.1 | 479.7 | 477.9 | 478.6 | 476.5 | 460.3 | 431.3 |
| 27.5° | 531.0 | 532.0 | 530.5 | 524.2 | 517.8 | 507.4 | 503.8 | 503.8 | 503.0 | 480.1 | 444.5 |
| 30° | 564.7 | 567.4 | 564.7 | 559.6 | 553.0 | 538.0 | 530.3 | 529.5 | 527.3 | 500.6 | 460.1 |
| 32.5° | 598.6 | 600.5 | 598.6 | 593.7 | 586.1 | 573.0 | 561.9 | 560.2 | 557.2 | 522.9 | 476.0 |
| 35° | 628.7 | 630.4 | 630.0 | 631.1 | 624.9 | 608.4 | 601.6 | 600.9 | 592.9 | 552.0 | 497.5 |
| 37.5° | 661.6 | 663.7 | 660.9 | 663.1 | 660.7 | 645.2 | 643.1 | 639.3 | 627.9 | 579.5 | 520.2 |
| 40° | 699.1 | 701.0 | 696.4 | 697.4 | 694.5 | 685.8 | 675.2 | 670.1 | 653.3 | 609.2 | 556.0 |
| 42.5° | 739.2 | 743.6 | 745.6 | 743.9 | 737.3 | 732.4 | 713.9 | 707.4 | 693.4 | 662.8 | 614.9 |
| 45° | 797.3 | 803.7 | 806.8 | 802.4 | 799.6 | 792.6 | 769.9 | 762.1 | 754.7 | 738.3 | 697.0 |
| 47.5° | 860.0 | 865.8 | 875.5 | 877.4 | 879.6 | 874.3 | 842.4 | 834.8 | 836.1 | 834.2 | 798.1 |
| 50° | 909.9 | 914.8 | 936.6 | 959.9 | 979.2 | 980.7 | 939.8 | 931.7 | 938.9 | 944.9 | 919.8 |
| 52.5° | 946.3 | 950.6 | 979.4 | 1027.4 | 1071.2 | 1103.5 | 1059.4 | 1050.1 | 1056.0 | 1069.6 | 1058.1 |
| 55° | 975.8 | 981.8 | 1011.9 | 1085.7 | 1174.1 | 1225.2 | 1197.0 | 1185.3 | 1182.8 | 1199.7 | 1206.3 |
| 57.5° | 991.3 | 993.2 | 1035.4 | 1131.3 | 1249.6 | 1344.6 | 1356.9 | 1343.7 | 1320.2 | 1329.5 | 1363.9 |
| 60° | 955.9 | 959.1 | 1016.8 | 1143.1 | 1309.2 | 1463.1 | 1524.8 | 1513.8 | 1463.9 | 1469.0 | 1507.0 |
| 62.5° | 858.1 | 862.6 | 932.1 | 1087.2 | 1314.2 | 1542.2 | 1679.8 | 1672.8 | 1605.8 | 1578.2 | 1589.5 |
| 65° | 688.3 | 689.8 | 761.7 | 949.1 | 1216.3 | 1552.0 | 1787.8 | 1786.1 | 1705.0 | 1640.2 | 1591.6 |
| 67.5° | 392.5 | 389.9 | 486.0 | 676.9 | 1003.8 | 1424.1 | 1794.8 | 1804.9 | 1737.1 | 1630.0 | 1459.1 |
| 70° | 170.1 | 170.5 | 214.8 | 334.0 | 649.7 | 1151.0 | 1667.1 | 1684.3 | 1644.0 | 1459.9 | 1160.9 |
| 72.5° | 78.7 | 79.9 | 99.0 | 144.6 | 277.4 | 714.0 | 1359.4 | 1374.9 | 1340.3 | 1168.4 | 844.6 |
| 75° | 55.6 | 56.6 | 66.0 | 82.9 | 127.6 | 278.2 | 909.3 | 941.9 | 958.7 | 874.0 | 556.6 |
| 77.5° | 42.2 | 43.5 | 48.3 | 57.5 | 78.7 | 98.6 | 435.1 | 512.7 | 610.7 | 543.7 | 286.7 |
| 80° | 26.9 | 26.9 | 32.0 | 38.4 | 48.1 | 51.3 | 125.7 | 148.9 | 298.8 | 224.1 | 112.6 |
| 82.5° | 18.2 | 18.7 | 21.8 | 24.4 | 27.6 | 29.1 | 53.9 | 57.5 | 86.3 | 76.3 | 46.4 |
| 85° | 9.7 | 10.0 | 11.4 | 11.2 | 13.2 | 11.5 | 22.7 | 22.5 | 31.6 | 34.6 | 17.6 |
| 87.5° | 0.0 | 0.0 | 0.2 | 0.2 | 0.4 | 0.6 | 2.5 | 2.6 | 6.6 | 10.6 | 5.9 |
| 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° | 318.3 | 318.3 | 318.3 | 318.3 | 318.3 | 318.3 | 318.3 | 318.3 | 318.3 | 318.3 | 318.3 |
| 2.5° | 319.8 | 317.6 | 318.7 | 318.3 | 319.5 | 319.5 | 317.4 | 316.8 | 317.0 | 314.7 | 314.0 |
| 5° | 322.7 | 320.0 | 320.6 | 319.8 | 321.0 | 321.9 | 321.0 | 321.0 | 322.1 | 320.4 | 319.5 |
| 7.5° | 329.1 | 326.1 | 326.1 | 325.1 | 326.5 | 327.2 | 326.5 | 327.6 | 329.7 | 328.0 | 327.0 |
| 10° | 339.3 | 335.7 | 335.9 | 334.8 | 335.4 | 335.0 | 331.9 | 331.0 | 331.6 | 330.1 | 329.3 |
| 12.5° | 352.6 | 347.7 | 347.7 | 345.4 | 344.1 | 340.1 | 333.8 | 331.6 | 331.9 | 330.6 | 330.1 |
| 15° | 365.3 | 360.7 | 359.8 | 355.2 | 349.2 | 341.8 | 336.1 | 334.6 | 335.0 | 333.6 | 332.7 |
| 17.5° | 380.2 | 374.3 | 370.9 | 362.6 | 351.4 | 343.9 | 338.2 | 334.6 | 331.6 | 328.5 | 327.8 |
| 20° | 394.0 | 386.6 | 380.4 | 367.5 | 353.9 | 343.5 | 332.9 | 324.0 | 316.6 | 312.6 | 311.7 |
| 22.5° | 408.2 | 398.8 | 387.8 | 370.9 | 353.7 | 336.7 | 317.2 | 303.7 | 292.8 | 286.9 | 288.0 |
| 25° | 421.6 | 409.7 | 394.8 | 374.1 | 347.7 | 321.5 | 295.0 | 275.0 | 262.5 | 257.9 | 256.6 |
| 27.5° | 432.8 | 418.1 | 401.2 | 372.6 | 335.2 | 299.8 | 264.8 | 242.4 | 230.3 | 225.2 | 223.9 |
| 30° | 445.3 | 428.7 | 410.5 | 365.6 | 315.5 | 269.3 | 230.5 | 212.3 | 203.6 | 198.7 | 198.9 |
| 32.5° | 459.7 | 442.3 | 423.5 | 352.2 | 290.3 | 236.4 | 202.3 | 189.8 | 182.8 | 177.9 | 177.1 |
| 35° | 479.0 | 461.8 | 432.2 | 331.9 | 258.3 | 206.1 | 183.0 | 172.8 | 164.1 | 157.6 | 156.3 |
| 37.5° | 502.8 | 491.1 | 433.2 | 304.9 | 224.1 | 185.3 | 169.2 | 158.2 | 147.6 | 139.1 | 138.2 |
| 40° | 543.7 | 530.3 | 425.4 | 271.0 | 194.9 | 171.8 | 157.6 | 145.0 | 132.7 | 123.2 | 121.9 |
| 42.5° | 602.0 | 574.4 | 408.8 | 232.8 | 173.0 | 161.2 | 146.7 | 130.6 | 118.1 | 111.5 | 110.5 |
| 45° | 676.2 | 623.6 | 383.8 | 196.8 | 156.7 | 150.8 | 135.1 | 118.3 | 111.7 | 106.9 | 106.0 |
| 47.5° | 767.0 | 680.9 | 355.0 | 168.8 | 144.0 | 141.4 | 123.4 | 114.1 | 108.3 | 104.3 | 103.3 |
| 50° | 875.7 | 754.0 | 331.4 | 146.9 | 132.7 | 130.4 | 119.6 | 111.7 | 106.9 | 103.7 | 103.0 |
| 52.5° | 999.6 | 835.2 | 319.8 | 131.2 | 122.8 | 120.6 | 118.3 | 111.1 | 107.1 | 104.7 | 103.7 |
| 55° | 1128.3 | 920.7 | 309.0 | 119.0 | 114.5 | 115.8 | 118.5 | 113.0 | 110.0 | 106.7 | 105.8 |
| 57.5° | 1252.6 | 1000.9 | 282.6 | 109.6 | 108.4 | 113.6 | 119.4 | 114.9 | 111.3 | 108.1 | 106.9 |
| 60° | 1338.4 | 1044.9 | 237.7 | 102.0 | 103.9 | 110.7 | 117.0 | 112.0 | 107.5 | 106.2 | 105.6 |
| 62.5° | 1361.5 | 1039.6 | 184.5 | 94.2 | 98.4 | 104.5 | 110.5 | 107.3 | 102.6 | 104.7 | 104.8 |
| 65° | 1307.5 | 982.8 | 138.5 | 86.7 | 91.2 | 96.3 | 103.9 | 102.6 | 100.9 | 106.5 | 106.7 |
| 67.5° | 1154.8 | 843.3 | 105.6 | 80.1 | 83.8 | 90.1 | 101.8 | 107.3 | 107.7 | 114.9 | 114.1 |
| 70° | 873.8 | 630.0 | 82.7 | 73.8 | 78.2 | 90.1 | 108.4 | 110.9 | 106.4 | 113.0 | 111.5 |
| 72.5° | 604.1 | 415.8 | 70.4 | 68.3 | 71.2 | 85.9 | 108.3 | 108.3 | 103.3 | 103.3 | 100.5 |
| 75° | 375.3 | 244.5 | 61.3 | 61.3 | 61.3 | 75.1 | 105.2 | 99.7 | 91.0 | 87.1 | 84.8 |
| 77.5° | 185.3 | 118.8 | 51.5 | 53.4 | 51.3 | 62.8 | 85.9 | 81.6 | 76.3 | 72.1 | 70.6 |
| 80° | 79.1 | 59.4 | 41.6 | 43.7 | 41.3 | 47.3 | 68.1 | 67.2 | 62.1 | 56.6 | 54.9 |
| 82.5° | 36.3 | 30.7 | 33.3 | 34.3 | 30.1 | 35.6 | 49.8 | 49.8 | 46.9 | 39.4 | 36.5 |
| 85° | 15.5 | 16.3 | 23.1 | 23.1 | 18.9 | 20.1 | 26.7 | 25.4 | 22.7 | 18.5 | 17.0 |
| 87.5° | 5.3 | 7.9 | 11.7 | 10.2 | 4.0 | 1.7 | 0.9 | 0.4 | 0.0 | 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)