

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: P629625

Luminaire Tested: GWS-SA1C-722-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629625
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-722-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3400.3 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

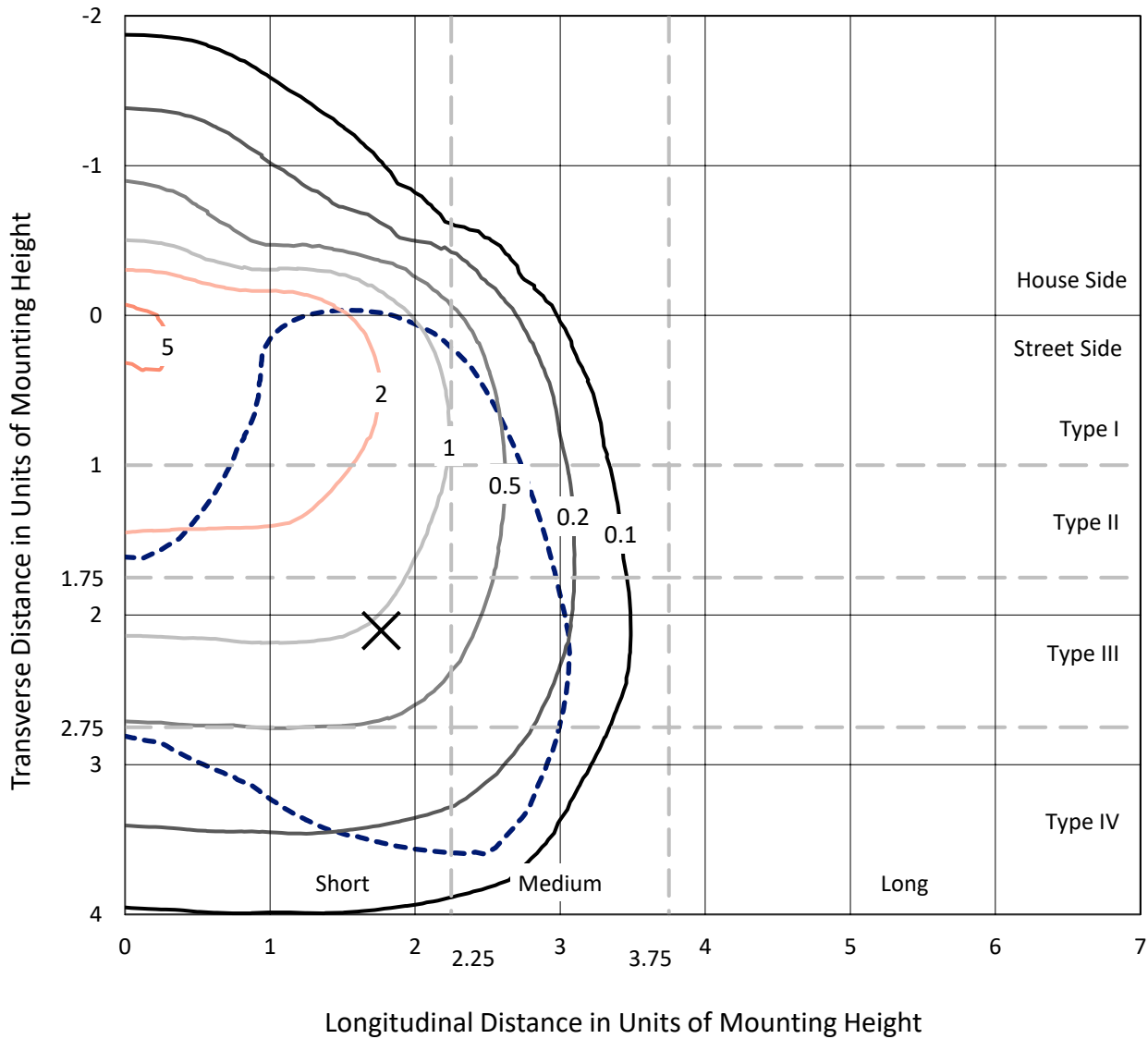
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629625
 CATALOG NUMBER: GWS-SA1C-722-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination

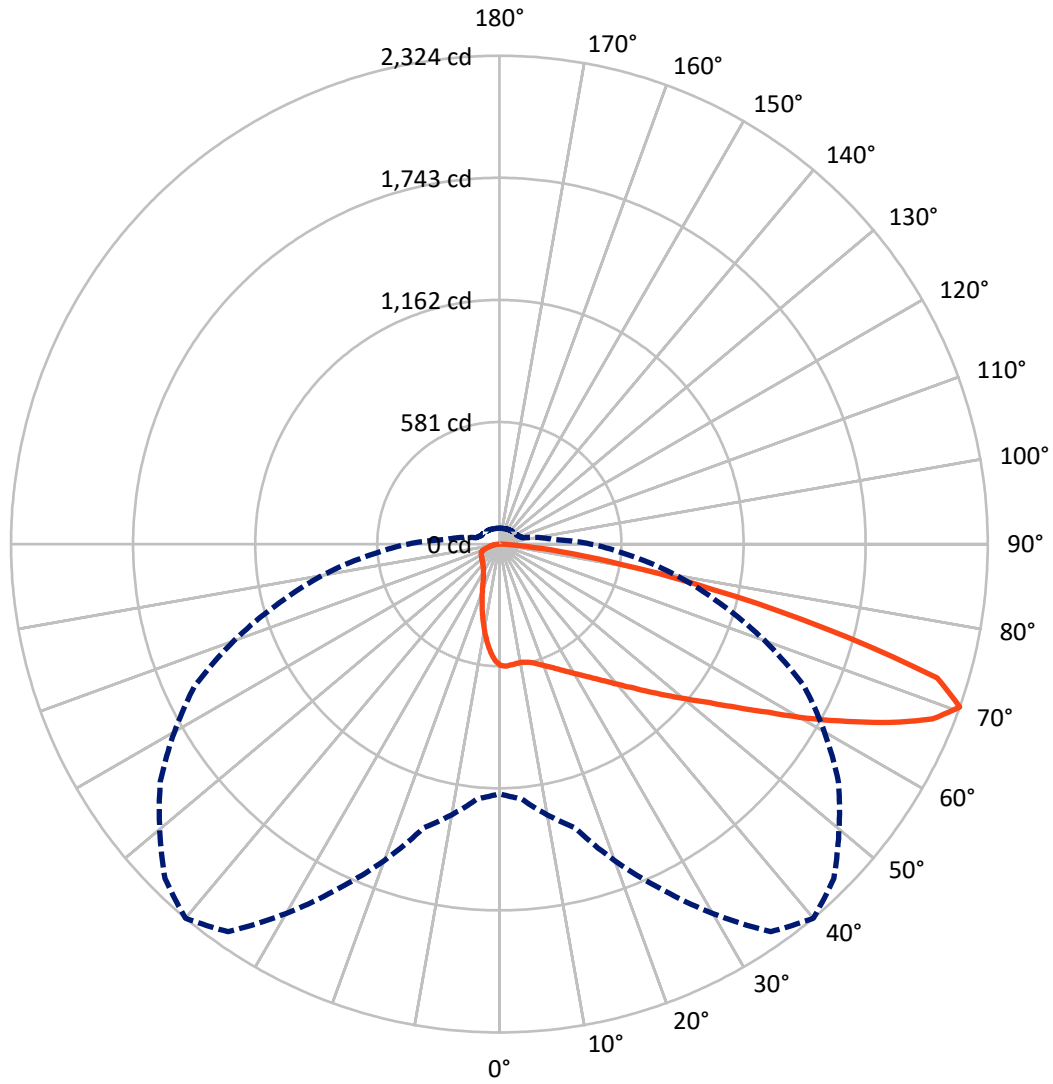
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P629625
CATALOG NUMBER: GWS-SA1C-722-U-SL4-W

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P629625

CATALOG NUMBER: GWS-SA1C-722-U-SL4-W

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 523.7 | 0.0 | 523.7 |
| | % Fixture | 15.4 | 0.0 | 15.4 |
| Street Side | Lumens | 2876.6 | 0.0 | 2876.6 |
| | % Fixture | 84.6 | 0.0 | 84.6 |
| Total | Lumens | 3400.3 | 0.0 | 3400.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 51.0 | 1.5 |
| 10°-20° | 133.0 | 3.9 |
| 20°-30° | 208.8 | 6.1 |
| 30°-40° | 313.9 | 9.2 |
| 40°-50° | 484.5 | 14.2 |
| 50°-60° | 719.5 | 21.2 |
| 60°-70° | 906.9 | 26.7 |
| 70°-80° | 524.5 | 15.4 |
| 80°-90° | 58.2 | 1.7 |
| 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° | 3400.3 | 100.0 |
| 0°-180° | 3400.3 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P629625

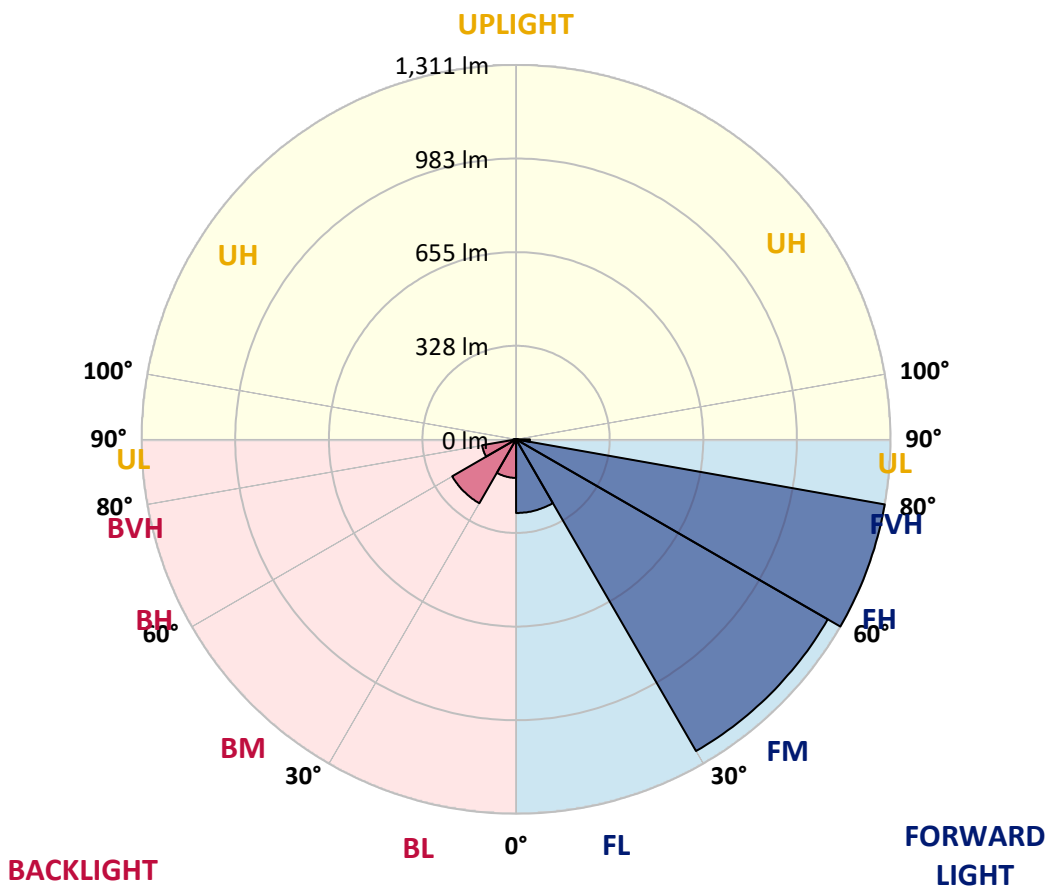
CATALOG NUMBER: GWS-SA1C-722-U-SL4-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 257.8 | 7.6 | | | |
| FM (30°-60°) | 1259.8 | 37.0 | | | |
| FH (60°-80°) | 1310.5 | 38.5 | | | G1/1800 |
| FVH (80°-90°) | 48.5 | 1.4 | | | G1/100 |
| BL (0°-30°) | 135.0 | 4.0 | B1/500 | | |
| BM (30°-60°) | 258.2 | 7.6 | B1/1000 | | |
| BH (60°-80°) | 120.9 | 3.6 | B1/500 | | G1/500 |
| BVH (80°-90°) | 9.7 | 0.3 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type IV Short





REPORT NUMBER: P629625
 CATALOG NUMBER: GWS-SA1C-722-U-SL4-W

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 40° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 577.4 | 577.4 | 577.4 | 577.4 | 577.4 | 577.4 | 577.4 | 577.4 | 577.4 | 577.4 | 577.4 |
| 2.5° | 581.0 | 582.0 | 582.7 | 583.8 | 583.2 | 581.7 | 583.0 | 583.0 | 580.2 | 577.2 | 574.4 |
| 5° | 581.7 | 583.0 | 582.7 | 582.5 | 580.5 | 577.9 | 577.9 | 576.4 | 571.6 | 566.8 | 562.2 |
| 7.5° | 580.2 | 579.9 | 579.7 | 578.9 | 576.6 | 573.9 | 573.3 | 570.3 | 564.0 | 557.4 | 550.8 |
| 10° | 573.3 | 573.1 | 573.9 | 575.6 | 575.1 | 572.6 | 572.6 | 569.8 | 562.4 | 554.3 | 545.7 |
| 12.5° | 567.8 | 567.8 | 570.8 | 575.6 | 577.4 | 576.4 | 576.6 | 574.6 | 566.2 | 556.6 | 546.4 |
| 15° | 568.5 | 568.8 | 575.4 | 583.2 | 586.5 | 585.8 | 586.0 | 583.8 | 574.4 | 564.7 | 551.0 |
| 17.5° | 573.6 | 574.9 | 586.3 | 597.2 | 601.5 | 600.5 | 598.7 | 594.9 | 584.3 | 573.3 | 556.6 |
| 20° | 584.3 | 586.3 | 601.0 | 614.7 | 619.8 | 617.5 | 614.5 | 606.9 | 595.2 | 583.2 | 562.7 |
| 22.5° | 605.3 | 606.6 | 622.8 | 636.3 | 640.4 | 637.6 | 631.5 | 620.6 | 607.1 | 594.7 | 570.0 |
| 25° | 635.0 | 636.5 | 652.0 | 664.5 | 663.5 | 660.2 | 651.8 | 638.3 | 622.3 | 609.1 | 580.7 |
| 27.5° | 670.3 | 672.8 | 688.1 | 698.0 | 691.4 | 686.5 | 677.2 | 660.9 | 642.9 | 631.0 | 597.0 |
| 30° | 708.9 | 709.9 | 722.8 | 732.7 | 722.6 | 716.0 | 704.6 | 687.1 | 670.8 | 661.9 | 621.3 |
| 32.5° | 746.2 | 747.2 | 758.4 | 764.0 | 753.3 | 748.5 | 738.6 | 720.0 | 708.6 | 703.8 | 657.6 |
| 35° | 785.5 | 785.3 | 794.4 | 799.2 | 788.3 | 786.3 | 776.1 | 761.9 | 759.9 | 766.2 | 710.7 |
| 37.5° | 824.9 | 822.6 | 827.4 | 833.8 | 827.7 | 829.7 | 823.1 | 818.3 | 826.1 | 842.6 | 781.2 |
| 40° | 856.3 | 856.3 | 861.4 | 869.3 | 871.3 | 880.2 | 876.4 | 882.7 | 908.1 | 947.5 | 868.5 |
| 42.5° | 884.3 | 884.5 | 895.2 | 907.4 | 922.1 | 935.8 | 938.8 | 955.3 | 1007.9 | 1069.5 | 978.2 |
| 45° | 913.4 | 913.7 | 928.2 | 945.9 | 977.2 | 1003.3 | 1009.4 | 1046.4 | 1121.6 | 1196.7 | 1097.2 |
| 47.5° | 947.2 | 944.4 | 964.5 | 994.2 | 1038.6 | 1076.1 | 1091.9 | 1144.4 | 1239.3 | 1331.7 | 1209.4 |
| 50° | 985.3 | 979.4 | 1001.8 | 1053.0 | 1107.9 | 1159.4 | 1185.8 | 1245.9 | 1365.7 | 1456.3 | 1315.0 |
| 52.5° | 1028.2 | 1024.9 | 1048.2 | 1110.7 | 1194.4 | 1253.8 | 1289.6 | 1368.5 | 1488.6 | 1580.5 | 1398.7 |
| 55° | 1081.5 | 1073.6 | 1107.4 | 1186.8 | 1295.9 | 1371.6 | 1414.0 | 1489.8 | 1622.8 | 1693.1 | 1462.7 |
| 57.5° | 1139.8 | 1131.2 | 1176.4 | 1282.0 | 1427.9 | 1510.9 | 1564.0 | 1626.4 | 1749.2 | 1779.4 | 1500.3 |
| 60° | 1202.8 | 1200.0 | 1253.6 | 1393.7 | 1585.3 | 1681.7 | 1720.0 | 1776.6 | 1859.1 | 1829.4 | 1490.9 |
| 62.5° | 1260.4 | 1259.4 | 1337.3 | 1514.7 | 1752.0 | 1858.1 | 1888.6 | 1903.5 | 1938.3 | 1826.1 | 1416.2 |
| 65° | 1321.1 | 1329.7 | 1435.0 | 1655.1 | 1943.1 | 2047.2 | 2059.9 | 2021.8 | 1965.0 | 1739.6 | 1263.4 |
| 67.5° | 1328.7 | 1345.4 | 1496.4 | 1786.5 | 2124.4 | 2222.6 | 2212.4 | 2066.7 | 1886.3 | 1498.7 | 990.4 |
| 70° | 1188.3 | 1217.5 | 1398.5 | 1806.6 | 2252.0 | 2324.4 | 2251.0 | 1970.0 | 1600.8 | 1085.8 | 622.8 |
| 72.5° | 992.9 | 1018.0 | 1177.9 | 1540.6 | 2087.3 | 2179.4 | 2080.2 | 1667.5 | 1131.2 | 622.8 | 317.3 |
| 75° | 772.8 | 802.0 | 949.5 | 1224.6 | 1562.7 | 1599.5 | 1549.7 | 1162.9 | 621.8 | 256.9 | 144.2 |
| 77.5° | 471.6 | 492.6 | 607.4 | 829.7 | 1093.4 | 1038.3 | 879.9 | 652.0 | 272.8 | 123.1 | 89.1 |
| 80° | 208.6 | 221.6 | 299.2 | 445.7 | 631.7 | 597.2 | 470.8 | 278.4 | 149.2 | 78.2 | 62.2 |
| 82.5° | 111.9 | 120.3 | 147.5 | 176.4 | 277.4 | 290.1 | 235.3 | 160.4 | 80.2 | 44.7 | 35.5 |
| 85° | 49.2 | 54.1 | 67.0 | 64.0 | 91.1 | 89.6 | 90.4 | 110.2 | 38.3 | 20.6 | 23.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 2.8 | 14.7 | 3.8 | 6.1 | 5.3 |
| 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: P629625
 CATALOG NUMBER: GWS-SA1C-722-U-SL4-W

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 577.4 | 577.4 | 577.4 | 577.4 | 577.4 | 577.4 | 577.4 | 577.4 | 577.4 | 577.4 | 577.4 |
| 2.5° | 571.3 | 566.8 | 565.5 | 564.0 | 561.2 | 556.3 | 552.8 | 548.7 | 547.0 | 544.9 | 545.2 |
| 5° | 557.1 | 551.5 | 546.2 | 539.3 | 530.7 | 521.1 | 514.5 | 506.9 | 502.8 | 499.0 | 500.0 |
| 7.5° | 544.9 | 536.3 | 525.4 | 510.9 | 495.4 | 478.2 | 464.2 | 453.3 | 445.9 | 440.9 | 443.4 |
| 10° | 537.3 | 527.2 | 508.1 | 484.5 | 458.4 | 432.0 | 411.9 | 393.1 | 381.5 | 372.3 | 371.8 |
| 12.5° | 535.8 | 522.6 | 494.9 | 460.7 | 422.8 | 387.6 | 358.1 | 332.7 | 317.3 | 305.8 | 310.2 |
| 15° | 537.3 | 520.6 | 483.5 | 438.6 | 390.9 | 343.1 | 306.6 | 277.4 | 258.9 | 248.5 | 247.7 |
| 17.5° | 539.1 | 518.5 | 470.6 | 414.7 | 357.4 | 302.8 | 260.4 | 229.4 | 210.4 | 200.0 | 200.3 |
| 20° | 540.6 | 515.5 | 455.3 | 388.6 | 323.3 | 265.2 | 221.3 | 191.9 | 174.9 | 167.3 | 168.5 |
| 22.5° | 543.1 | 512.4 | 439.1 | 360.7 | 288.6 | 228.9 | 190.4 | 166.5 | 156.3 | 151.3 | 151.5 |
| 25° | 548.0 | 510.7 | 422.3 | 330.2 | 254.3 | 200.0 | 169.0 | 153.0 | 146.7 | 143.7 | 143.4 |
| 27.5° | 557.9 | 512.2 | 404.8 | 300.8 | 223.3 | 177.9 | 155.3 | 144.9 | 140.6 | 138.6 | 138.3 |
| 30° | 574.4 | 518.3 | 389.6 | 270.8 | 196.7 | 160.7 | 145.9 | 139.6 | 137.1 | 135.3 | 135.0 |
| 32.5° | 599.5 | 529.7 | 373.1 | 242.9 | 175.1 | 148.0 | 138.6 | 135.3 | 133.5 | 132.5 | 132.5 |
| 35° | 637.6 | 550.5 | 356.9 | 218.5 | 158.4 | 138.1 | 132.7 | 131.5 | 129.9 | 129.4 | 129.9 |
| 37.5° | 692.4 | 583.8 | 342.1 | 197.2 | 146.4 | 130.5 | 126.4 | 126.9 | 125.6 | 126.4 | 127.2 |
| 40° | 761.9 | 628.2 | 329.7 | 179.7 | 137.6 | 124.9 | 120.8 | 122.6 | 121.8 | 122.6 | 123.9 |
| 42.5° | 850.0 | 683.2 | 320.3 | 166.0 | 131.2 | 120.3 | 116.5 | 118.3 | 117.8 | 118.8 | 120.1 |
| 45° | 948.2 | 755.8 | 316.0 | 156.3 | 126.6 | 117.0 | 112.9 | 114.2 | 113.7 | 114.5 | 115.7 |
| 47.5° | 1042.4 | 821.8 | 319.8 | 150.8 | 122.8 | 114.2 | 109.9 | 110.4 | 110.2 | 109.9 | 110.7 |
| 50° | 1123.6 | 874.4 | 330.7 | 149.0 | 120.3 | 111.4 | 107.4 | 107.6 | 106.9 | 105.3 | 105.8 |
| 52.5° | 1189.8 | 916.5 | 337.3 | 149.0 | 119.0 | 108.4 | 104.6 | 104.8 | 103.3 | 101.3 | 101.5 |
| 55° | 1233.5 | 933.5 | 332.0 | 148.7 | 118.5 | 105.8 | 101.8 | 102.0 | 100.5 | 98.0 | 98.2 |
| 57.5° | 1245.9 | 917.0 | 309.6 | 145.9 | 118.0 | 103.8 | 99.0 | 99.5 | 98.5 | 95.7 | 95.7 |
| 60° | 1211.2 | 856.6 | 268.8 | 139.6 | 116.8 | 102.5 | 97.0 | 97.7 | 97.2 | 94.4 | 94.4 |
| 62.5° | 1120.0 | 749.2 | 220.1 | 129.9 | 113.2 | 101.0 | 95.2 | 96.7 | 98.0 | 96.4 | 96.2 |
| 65° | 949.5 | 600.3 | 178.9 | 119.3 | 108.6 | 98.5 | 92.6 | 96.4 | 99.2 | 101.3 | 101.3 |
| 67.5° | 712.4 | 429.7 | 145.9 | 108.1 | 101.8 | 93.4 | 89.3 | 92.9 | 94.9 | 96.2 | 97.0 |
| 70° | 434.3 | 252.8 | 115.0 | 95.2 | 91.9 | 85.8 | 82.7 | 79.2 | 76.4 | 75.9 | 76.1 |
| 72.5° | 212.4 | 144.7 | 93.4 | 81.0 | 78.4 | 72.8 | 66.0 | 64.5 | 63.2 | 62.4 | 62.2 |
| 75° | 117.0 | 100.8 | 77.2 | 67.3 | 62.7 | 55.8 | 54.3 | 51.8 | 51.3 | 50.3 | 50.5 |
| 77.5° | 82.7 | 79.4 | 63.7 | 54.6 | 47.7 | 44.2 | 44.9 | 43.1 | 43.1 | 42.4 | 42.1 |
| 80° | 62.2 | 62.4 | 49.0 | 39.8 | 35.3 | 34.0 | 34.8 | 34.8 | 34.3 | 34.0 | 33.8 |
| 82.5° | 39.3 | 44.4 | 33.0 | 25.6 | 25.1 | 25.4 | 25.1 | 24.9 | 25.4 | 24.6 | 24.4 |
| 85° | 27.2 | 32.0 | 20.1 | 15.2 | 15.2 | 15.0 | 15.5 | 15.2 | 15.7 | 15.0 | 15.0 |
| 87.5° | 6.1 | 14.2 | 7.4 | 4.6 | 4.8 | 4.6 | 4.8 | 5.1 | 5.6 | 5.8 | 5.8 |
| 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)