

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: P629126

Luminaire Tested: GWS-SA1B-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629126
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-SA1B-722-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2210.8 lumens
Efficiency: N/A
Efficacy: 88.4 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

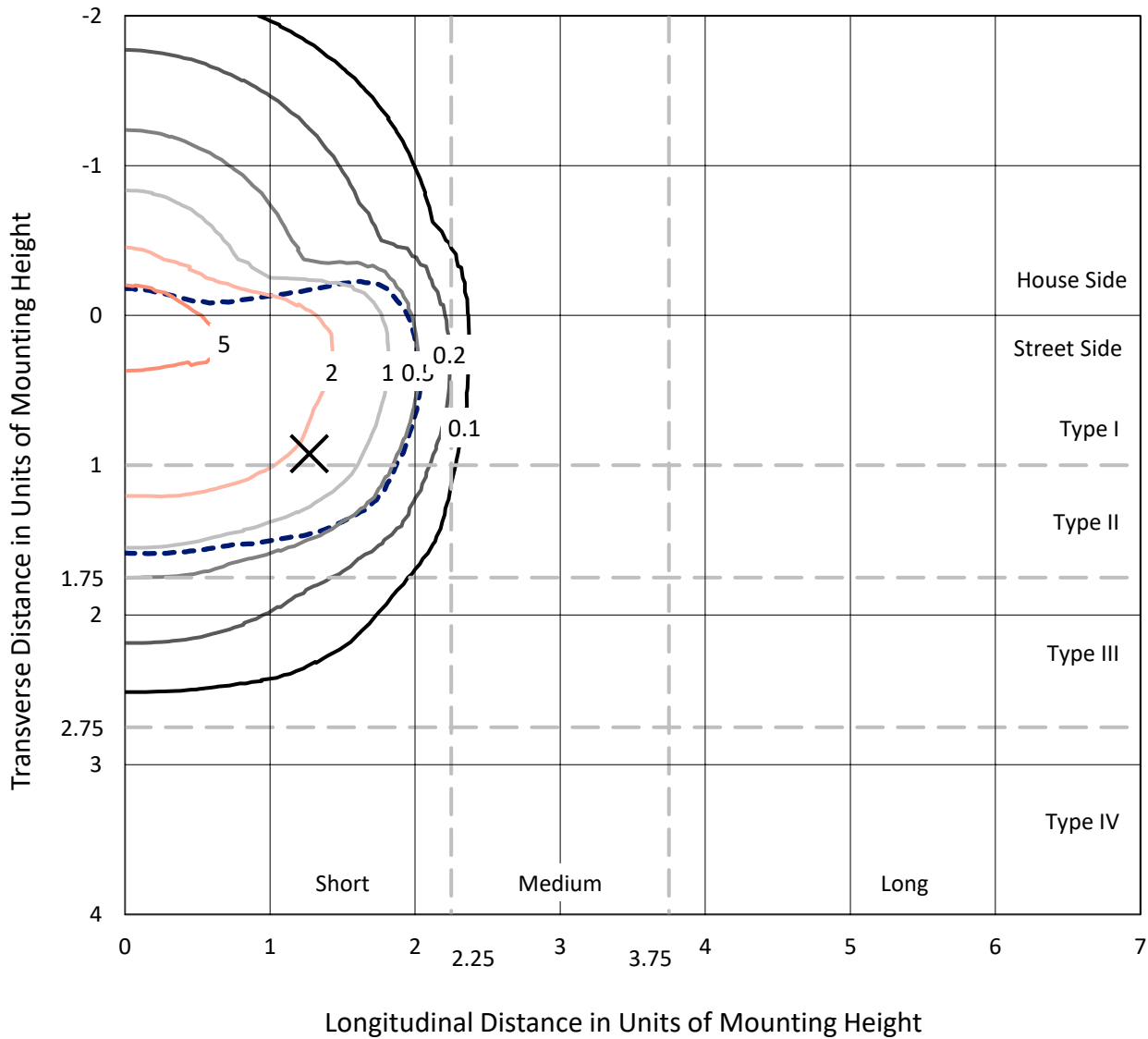
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

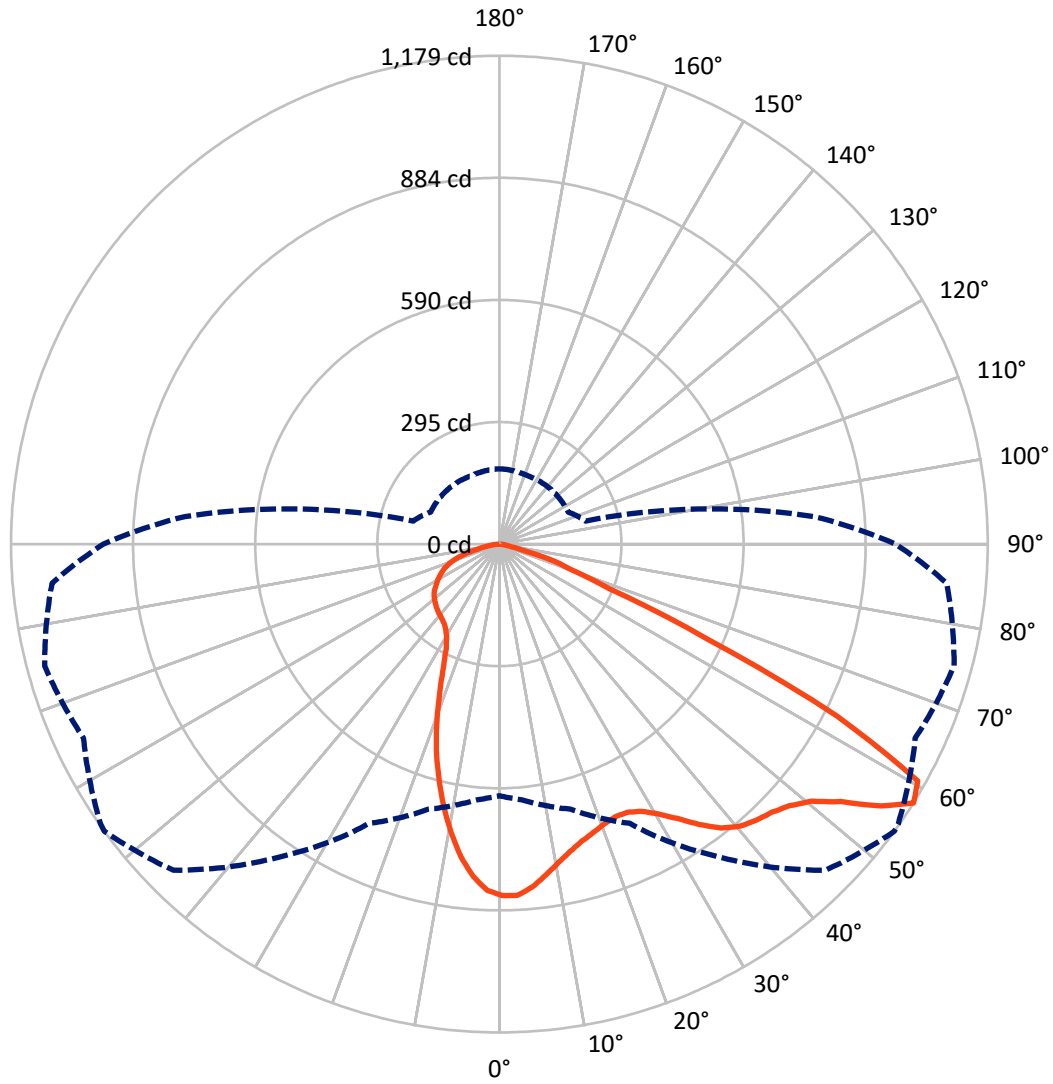
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 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 | 642.7 | 0.0 | 642.7 |
| | % Fixture | 29.1 | 0.0 | 29.1 |
| Street Side | Lumens | 1568.1 | 0.0 | 1568.1 |
| | % Fixture | 70.9 | 0.0 | 70.9 |
| Total | Lumens | 2210.8 | 0.0 | 2210.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 74.6 | 3.4 |
| 10°-20° | 178.0 | 8.1 |
| 20°-30° | 246.4 | 11.1 |
| 30°-40° | 342.3 | 15.5 |
| 40°-50° | 452.1 | 20.4 |
| 50°-60° | 537.2 | 24.3 |
| 60°-70° | 297.6 | 13.5 |
| 70°-80° | 74.1 | 3.4 |
| 80°-90° | 8.4 | 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° | 2210.8 | 100.0 |
| 0°-180° | 2210.8 | 100.0 |

Coefficient of Utilization



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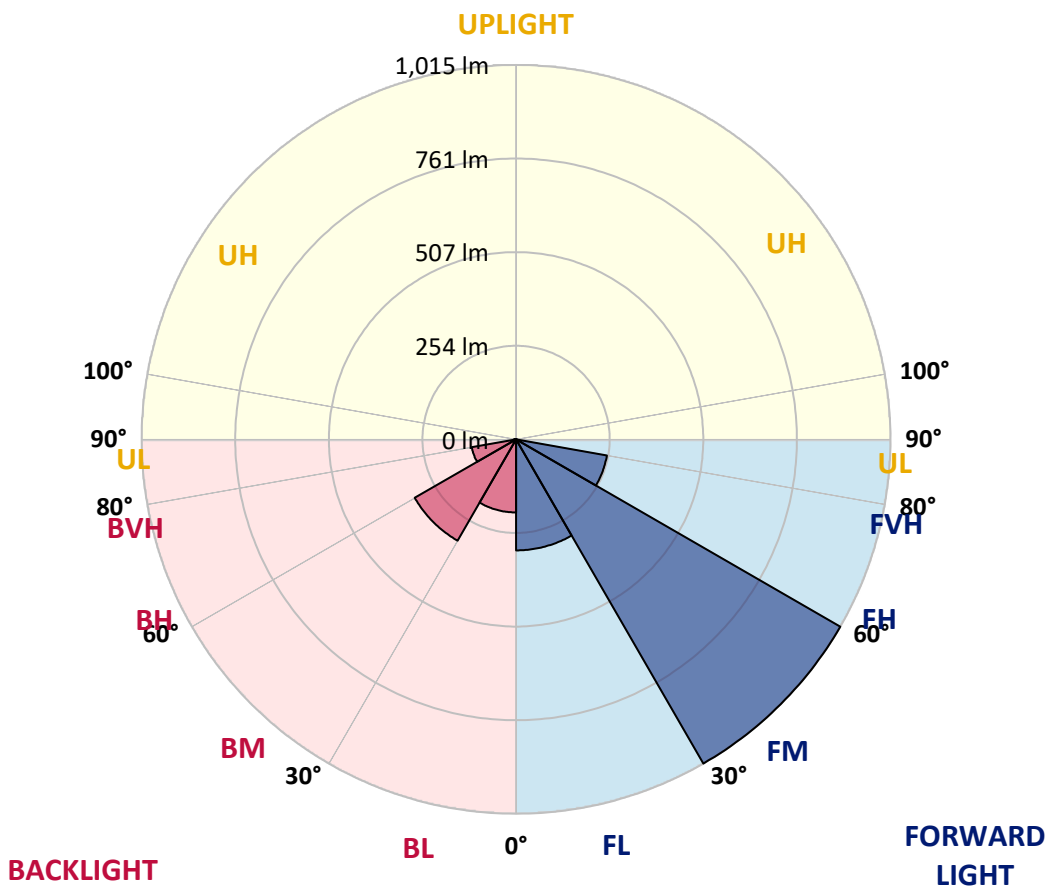
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 300.9 | 13.6 | | | |
| FM (30°-60°) | 1014.6 | 45.9 | | | |
| FH (60°-80°) | 250.0 | 11.3 | | | G0/660 |
| FVH (80°-90°) | 2.6 | 0.1 | | | G0/10 |
| BL (0°-30°) | 198.1 | 9.0 | B1/500 | | |
| BM (30°-60°) | 317.1 | 14.3 | B1/1000 | | |
| BH (60°-80°) | 121.8 | 5.5 | B1/500 | | G1/500 |
| BVH (80°-90°) | 5.8 | 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 II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 54° | 55° | 65° | 75° | 85° |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 848.8 | 848.8 | 848.8 | 848.8 | 848.8 | 848.8 | 848.8 | 848.8 | 848.8 | 848.8 | 848.8 |
| 2.5° | 832.9 | 834.6 | 835.7 | 839.7 | 843.1 | 846.1 | 849.3 | 849.3 | 849.2 | 848.6 | 847.5 |
| 5° | 800.0 | 801.8 | 804.5 | 810.0 | 817.4 | 822.7 | 831.4 | 832.1 | 835.9 | 837.4 | 836.7 |
| 7.5° | 761.7 | 762.3 | 765.7 | 772.9 | 784.6 | 794.1 | 806.6 | 808.1 | 817.2 | 822.5 | 821.5 |
| 10° | 719.9 | 718.0 | 724.1 | 734.7 | 750.0 | 765.9 | 782.0 | 783.3 | 797.9 | 807.9 | 807.1 |
| 12.5° | 681.7 | 681.9 | 687.9 | 700.8 | 719.9 | 739.6 | 761.2 | 764.2 | 782.2 | 795.0 | 793.7 |
| 15° | 649.7 | 650.4 | 657.8 | 672.4 | 694.2 | 717.6 | 744.5 | 747.3 | 770.0 | 787.1 | 783.3 |
| 17.5° | 624.1 | 624.9 | 631.3 | 648.0 | 671.3 | 699.6 | 732.4 | 735.2 | 763.4 | 783.7 | 775.9 |
| 20° | 606.5 | 606.2 | 612.4 | 628.3 | 652.3 | 683.2 | 721.8 | 726.0 | 761.3 | 785.0 | 771.0 |
| 22.5° | 599.3 | 599.2 | 603.7 | 616.8 | 639.3 | 670.5 | 715.4 | 721.0 | 763.6 | 790.9 | 768.0 |
| 25° | 602.9 | 602.2 | 606.2 | 615.8 | 633.8 | 665.6 | 717.2 | 723.3 | 773.3 | 803.0 | 768.5 |
| 27.5° | 614.1 | 613.2 | 616.6 | 625.3 | 638.9 | 670.7 | 730.5 | 737.5 | 793.7 | 825.1 | 776.1 |
| 30° | 631.1 | 630.6 | 634.0 | 642.3 | 654.2 | 687.7 | 755.9 | 763.8 | 825.3 | 859.6 | 792.6 |
| 32.5° | 651.0 | 650.1 | 656.1 | 665.8 | 679.6 | 718.8 | 789.9 | 800.3 | 862.8 | 903.8 | 820.2 |
| 35° | 673.3 | 672.6 | 680.9 | 694.9 | 714.8 | 761.9 | 831.2 | 842.5 | 901.0 | 954.0 | 856.9 |
| 37.5° | 695.1 | 695.1 | 711.2 | 732.0 | 757.0 | 808.8 | 870.0 | 877.2 | 927.5 | 998.5 | 896.3 |
| 40° | 714.4 | 715.5 | 739.8 | 771.0 | 802.8 | 851.2 | 895.5 | 901.6 | 939.2 | 1029.1 | 930.5 |
| 42.5° | 735.8 | 736.7 | 764.9 | 805.8 | 843.7 | 885.5 | 911.0 | 914.1 | 941.5 | 1044.5 | 954.8 |
| 45° | 752.8 | 754.2 | 789.2 | 832.9 | 879.2 | 911.2 | 923.3 | 926.0 | 944.7 | 1052.8 | 972.4 |
| 47.5° | 761.7 | 763.6 | 803.7 | 854.6 | 903.3 | 934.3 | 943.6 | 944.7 | 958.0 | 1067.4 | 993.6 |
| 50° | 760.2 | 764.0 | 809.2 | 865.4 | 921.1 | 957.6 | 976.1 | 978.0 | 985.0 | 1088.7 | 1018.3 |
| 52.5° | 773.6 | 775.3 | 821.0 | 878.3 | 946.4 | 1000.6 | 1032.7 | 1035.4 | 1032.2 | 1104.8 | 1033.1 |
| 55° | 751.3 | 759.5 | 806.4 | 876.4 | 985.0 | 1067.0 | 1116.6 | 1115.2 | 1074.9 | 1122.8 | 1057.7 |
| 57.5° | 607.7 | 619.6 | 662.6 | 743.9 | 921.4 | 1113.5 | 1179.2 | 1176.0 | 1108.0 | 1136.6 | 1084.4 |
| 60° | 420.7 | 422.6 | 461.4 | 519.1 | 711.2 | 983.7 | 1160.8 | 1167.8 | 1114.1 | 1119.2 | 1035.0 |
| 62.5° | 336.5 | 335.9 | 339.5 | 341.0 | 452.3 | 691.5 | 916.3 | 941.9 | 925.6 | 872.1 | 733.5 |
| 65° | 287.3 | 289.4 | 300.0 | 294.5 | 295.2 | 389.5 | 547.5 | 551.1 | 539.7 | 520.4 | 388.0 |
| 67.5° | 224.8 | 228.4 | 247.2 | 268.5 | 261.7 | 250.8 | 284.1 | 282.4 | 222.6 | 172.2 | 142.3 |
| 70° | 140.8 | 143.1 | 163.1 | 210.8 | 227.9 | 205.9 | 182.6 | 181.9 | 119.2 | 98.0 | 107.5 |
| 72.5° | 82.1 | 82.5 | 88.2 | 117.5 | 151.2 | 140.8 | 134.4 | 129.4 | 76.6 | 78.2 | 85.7 |
| 75° | 45.2 | 45.2 | 45.0 | 50.7 | 59.6 | 52.8 | 51.1 | 49.8 | 51.3 | 58.1 | 63.8 |
| 77.5° | 9.5 | 9.7 | 10.2 | 13.4 | 17.4 | 21.2 | 26.7 | 26.9 | 33.5 | 38.8 | 43.3 |
| 80° | 4.4 | 4.5 | 5.7 | 7.2 | 9.3 | 12.3 | 16.3 | 16.5 | 20.2 | 24.4 | 27.4 |
| 82.5° | 2.3 | 2.5 | 3.0 | 3.8 | 4.9 | 6.4 | 9.1 | 9.1 | 12.1 | 14.4 | 16.3 |
| 85° | 0.8 | 0.8 | 1.1 | 1.5 | 2.1 | 2.6 | 3.6 | 3.6 | 5.3 | 7.0 | 8.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.8 | 0.8 | 0.9 | 1.1 | 1.9 |
| 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° | 848.8 | 848.8 | 848.8 | 848.8 | 848.8 | 848.8 | 848.8 | 848.8 | 848.8 | 848.8 | 848.8 |
| 2.5° | 845.0 | 839.1 | 839.3 | 840.4 | 836.9 | 831.4 | 827.8 | 823.2 | 820.4 | 819.8 | 821.9 |
| 5° | 832.9 | 826.1 | 821.3 | 816.4 | 806.2 | 794.1 | 784.6 | 776.9 | 771.8 | 769.9 | 767.6 |
| 7.5° | 816.2 | 807.3 | 795.4 | 781.6 | 763.0 | 741.5 | 726.3 | 712.1 | 702.3 | 699.5 | 698.1 |
| 10° | 799.6 | 786.7 | 765.5 | 739.8 | 708.9 | 679.8 | 652.3 | 631.3 | 614.7 | 605.2 | 608.2 |
| 12.5° | 782.4 | 766.5 | 733.3 | 693.8 | 650.8 | 606.9 | 571.0 | 536.1 | 509.3 | 495.8 | 491.9 |
| 15° | 767.2 | 745.6 | 699.5 | 645.9 | 588.7 | 533.5 | 481.4 | 429.2 | 395.1 | 376.6 | 371.5 |
| 17.5° | 754.3 | 726.3 | 663.7 | 597.1 | 528.8 | 450.0 | 386.1 | 337.6 | 314.3 | 304.1 | 303.4 |
| 20° | 741.7 | 707.4 | 628.3 | 544.5 | 459.5 | 371.3 | 314.2 | 291.4 | 283.1 | 279.5 | 279.3 |
| 22.5° | 730.3 | 687.5 | 591.0 | 491.9 | 390.6 | 312.1 | 280.7 | 270.8 | 268.5 | 268.5 | 268.2 |
| 25° | 720.7 | 667.7 | 552.8 | 436.0 | 328.3 | 277.8 | 263.2 | 259.1 | 260.0 | 261.7 | 261.9 |
| 27.5° | 716.7 | 652.1 | 515.9 | 378.7 | 285.4 | 257.9 | 251.3 | 250.8 | 253.4 | 256.1 | 256.4 |
| 30° | 720.8 | 641.5 | 478.0 | 323.8 | 259.6 | 245.8 | 242.8 | 243.9 | 247.2 | 249.8 | 249.8 |
| 32.5° | 733.7 | 636.3 | 439.4 | 283.7 | 244.7 | 237.3 | 236.4 | 237.5 | 240.0 | 241.5 | 241.7 |
| 35° | 755.5 | 638.3 | 399.5 | 256.6 | 235.0 | 231.1 | 230.9 | 231.6 | 232.6 | 233.5 | 233.7 |
| 37.5° | 782.9 | 647.6 | 356.7 | 240.9 | 228.8 | 226.5 | 226.2 | 226.0 | 226.2 | 226.2 | 226.3 |
| 40° | 809.8 | 661.6 | 318.5 | 231.6 | 224.4 | 222.6 | 221.6 | 220.3 | 220.1 | 219.7 | 219.5 |
| 42.5° | 829.7 | 672.4 | 288.0 | 225.0 | 220.5 | 218.2 | 217.1 | 215.0 | 214.8 | 214.6 | 214.4 |
| 45° | 844.6 | 681.5 | 262.7 | 218.6 | 216.3 | 214.2 | 211.8 | 209.9 | 210.3 | 210.6 | 210.6 |
| 47.5° | 861.5 | 689.4 | 244.1 | 212.5 | 211.2 | 209.1 | 206.1 | 204.8 | 206.1 | 207.4 | 207.4 |
| 50° | 881.9 | 700.6 | 229.0 | 206.5 | 205.9 | 203.4 | 200.8 | 200.2 | 201.7 | 203.6 | 203.6 |
| 52.5° | 896.8 | 710.2 | 218.2 | 200.4 | 200.4 | 197.2 | 194.9 | 194.7 | 196.4 | 198.3 | 198.5 |
| 55° | 924.9 | 732.8 | 214.4 | 193.4 | 192.7 | 190.2 | 188.5 | 187.2 | 189.2 | 191.0 | 191.0 |
| 57.5° | 956.5 | 762.7 | 215.4 | 183.4 | 182.4 | 181.7 | 180.4 | 178.8 | 179.4 | 181.3 | 181.5 |
| 60° | 889.5 | 704.8 | 205.0 | 173.4 | 172.8 | 172.4 | 170.7 | 168.1 | 168.8 | 170.3 | 170.5 |
| 62.5° | 621.3 | 468.4 | 165.8 | 160.9 | 162.8 | 162.6 | 160.3 | 157.3 | 157.5 | 159.5 | 159.5 |
| 65° | 322.5 | 253.4 | 145.5 | 149.5 | 152.3 | 151.2 | 147.4 | 144.8 | 144.4 | 147.0 | 146.5 |
| 67.5° | 139.1 | 138.3 | 132.5 | 137.6 | 140.6 | 138.2 | 134.2 | 129.8 | 130.2 | 131.1 | 130.4 |
| 70° | 112.0 | 115.4 | 117.9 | 123.4 | 125.8 | 121.3 | 117.0 | 114.5 | 112.4 | 112.2 | 110.9 |
| 72.5° | 89.5 | 94.2 | 99.7 | 105.4 | 106.2 | 101.6 | 96.1 | 93.9 | 90.6 | 90.5 | 89.1 |
| 75° | 67.4 | 71.3 | 75.7 | 80.2 | 80.2 | 75.9 | 72.3 | 71.2 | 67.4 | 66.2 | 65.1 |
| 77.5° | 46.0 | 48.4 | 51.9 | 53.0 | 54.1 | 52.4 | 48.8 | 46.9 | 42.6 | 41.4 | 39.9 |
| 80° | 29.0 | 30.7 | 32.7 | 33.5 | 34.6 | 32.6 | 29.7 | 27.6 | 24.6 | 23.7 | 22.9 |
| 82.5° | 17.4 | 18.5 | 19.9 | 20.2 | 21.2 | 19.7 | 17.0 | 15.5 | 13.8 | 13.1 | 12.5 |
| 85° | 8.9 | 9.5 | 10.2 | 10.4 | 10.2 | 8.7 | 7.8 | 7.0 | 5.9 | 5.7 | 5.3 |
| 87.5° | 2.3 | 2.6 | 2.8 | 2.6 | 2.5 | 1.9 | 1.3 | 0.9 | 0.4 | 0.4 | 0.2 |
| 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)