

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: P629451

Luminaire Tested: GWS-SA1B-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629451
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-760-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2123.2 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

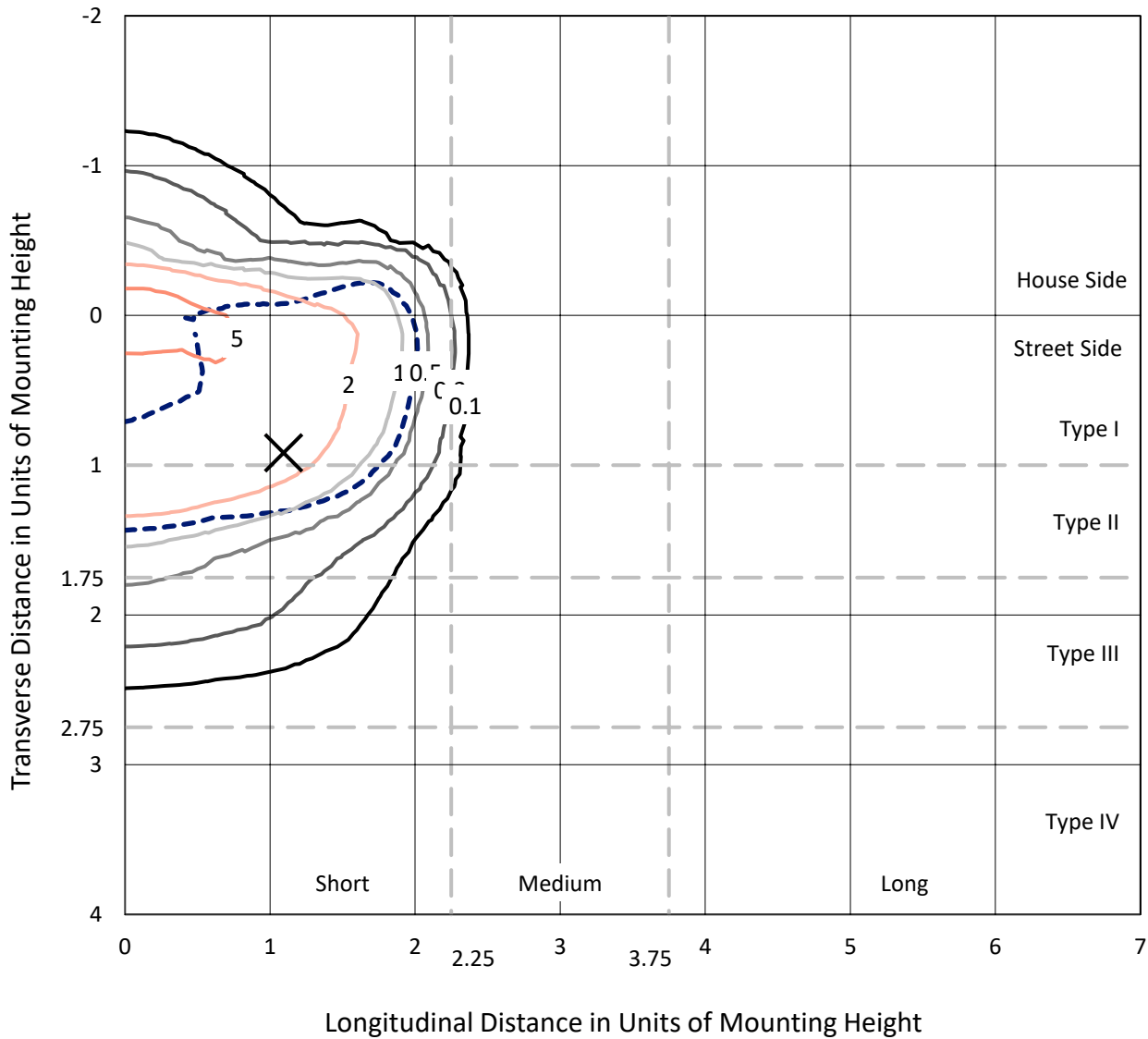
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

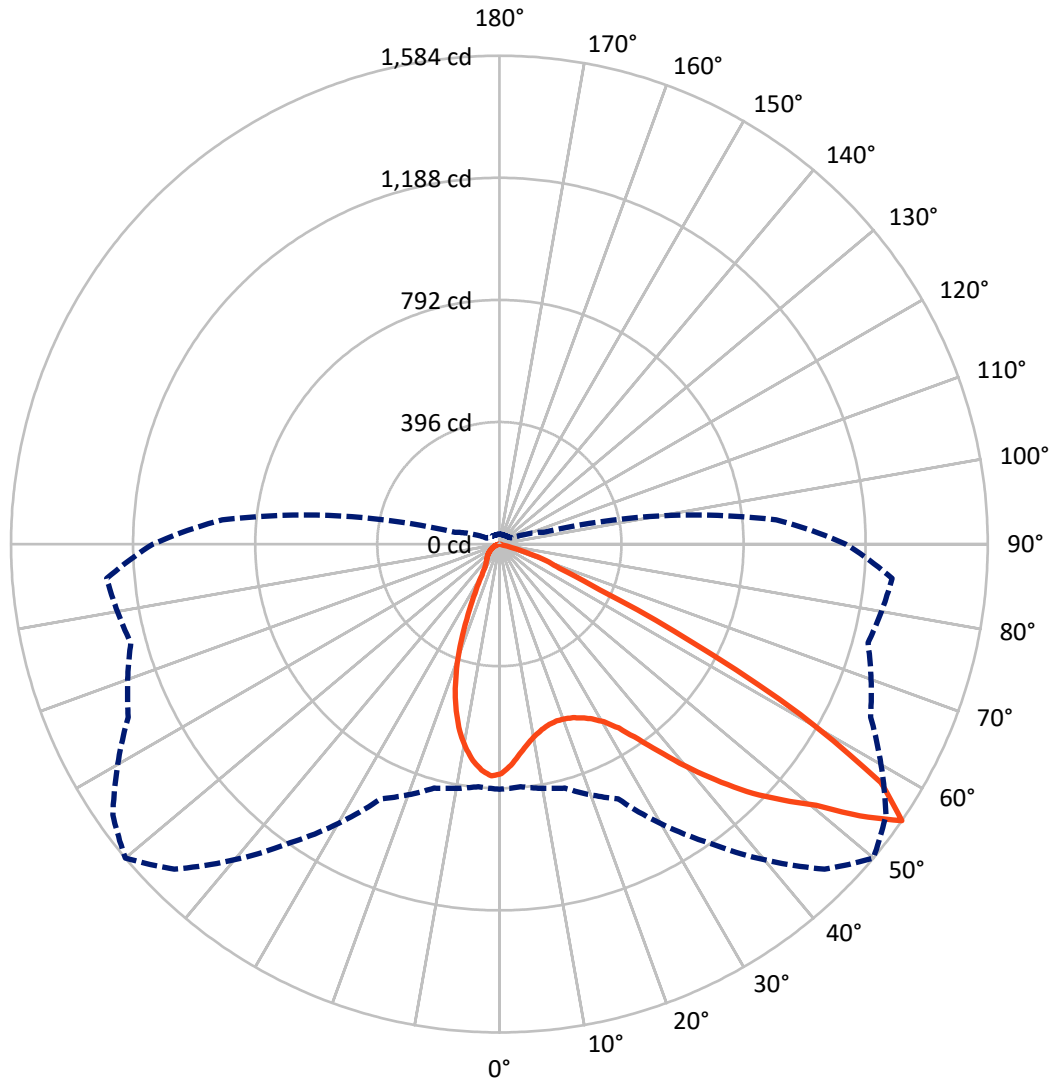
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 418.4 | 0.0 | 418.4 |
| | % Fixture | 19.7 | 0.0 | 19.7 |
| Street Side | Lumens | 1704.8 | 0.0 | 1704.8 |
| | % Fixture | 80.3 | 0.0 | 80.3 |
| Total | Lumens | 2123.2 | 0.0 | 2123.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 65.4 | 3.1 |
| 10°-20° | 161.0 | 7.6 |
| 20°-30° | 227.1 | 10.7 |
| 30°-40° | 336.0 | 15.8 |
| 40°-50° | 484.8 | 22.8 |
| 50°-60° | 571.8 | 26.9 |
| 60°-70° | 255.1 | 12.0 |
| 70°-80° | 21.9 | 1.0 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 2123.2 | 100.0 |
| 0°-180° | 2123.2 | 100.0 |

Coefficient of Utilization



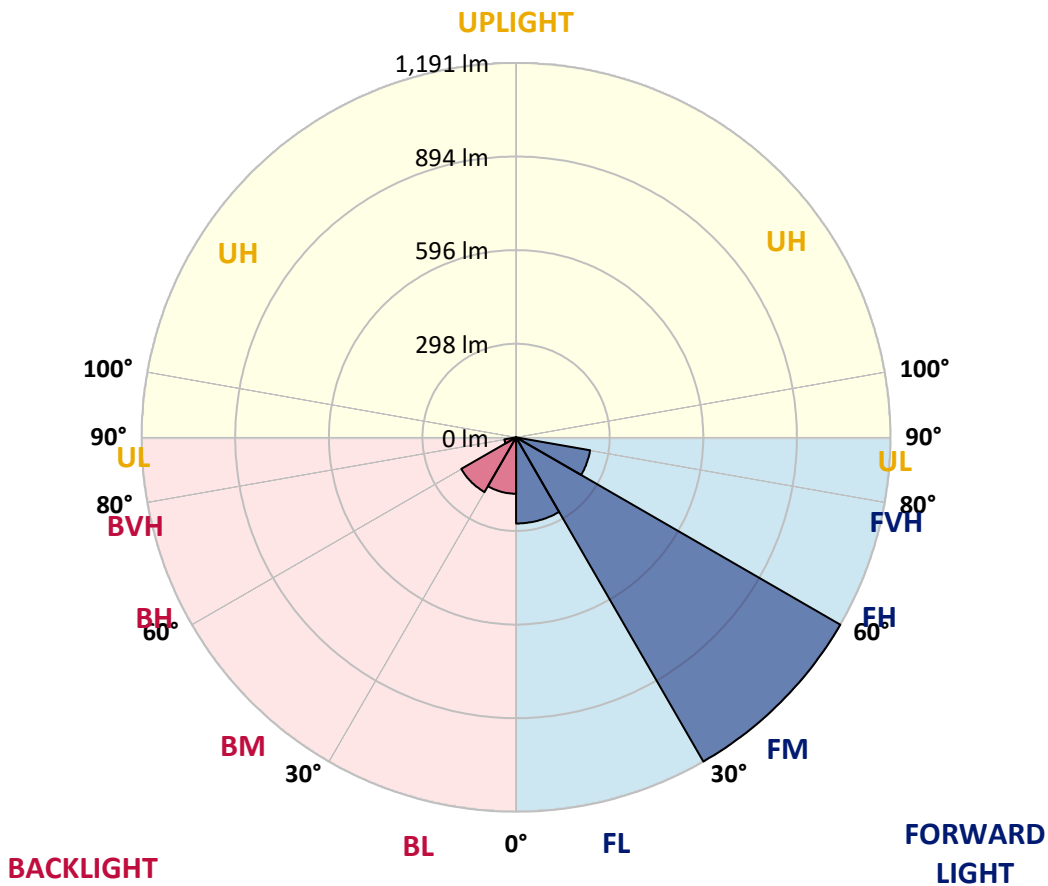
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 274.1 | 12.9 | | | |
| FM (30°-60°) | 1191.5 | 56.1 | | | |
| FH (60°-80°) | 239.2 | 11.3 | | | G0/660 |
| FVH (80°-90°) | 0.0 | 0.0 | | | G0/10 |
| BL (0°-30°) | 179.4 | 8.4 | B1/500 | | |
| BM (30°-60°) | 201.2 | 9.5 | B0/220 | | |
| BH (60°-80°) | 37.8 | 1.8 | B0/110 | | G0/110 |
| BVH (80°-90°) | 0.0 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 50° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 |
| 2.5° | 692.1 | 692.6 | 692.8 | 699.8 | 702.4 | 712.8 | 718.2 | 721.1 | 728.6 | 737.4 | 744.7 |
| 5° | 645.7 | 644.9 | 646.2 | 655.0 | 660.7 | 676.0 | 684.3 | 690.0 | 706.6 | 727.3 | 744.7 |
| 7.5° | 605.2 | 606.8 | 608.3 | 617.9 | 626.5 | 643.1 | 655.0 | 663.5 | 686.6 | 717.5 | 746.8 |
| 10° | 576.7 | 576.7 | 579.0 | 589.9 | 600.0 | 620.5 | 632.4 | 643.3 | 670.8 | 708.6 | 749.1 |
| 12.5° | 555.7 | 556.0 | 558.8 | 571.3 | 582.9 | 604.2 | 616.6 | 627.3 | 657.6 | 699.8 | 749.6 |
| 15° | 545.9 | 545.1 | 547.4 | 560.6 | 573.6 | 593.6 | 606.5 | 616.9 | 648.3 | 694.9 | 752.2 |
| 17.5° | 543.3 | 542.8 | 544.6 | 557.5 | 570.8 | 590.2 | 602.9 | 613.3 | 647.0 | 696.5 | 760.0 |
| 20° | 550.8 | 549.8 | 549.0 | 560.1 | 572.6 | 591.8 | 605.0 | 616.6 | 653.2 | 705.0 | 771.9 |
| 22.5° | 568.7 | 568.7 | 566.9 | 572.3 | 580.6 | 598.0 | 611.7 | 627.0 | 669.5 | 722.1 | 789.5 |
| 25° | 601.6 | 599.0 | 595.6 | 598.0 | 596.9 | 607.8 | 624.2 | 645.4 | 700.4 | 750.4 | 811.0 |
| 27.5° | 639.2 | 641.5 | 635.8 | 636.1 | 627.0 | 623.1 | 642.0 | 674.2 | 746.2 | 790.3 | 842.9 |
| 30° | 690.2 | 688.4 | 688.7 | 687.9 | 666.9 | 648.5 | 669.0 | 711.8 | 804.0 | 851.2 | 884.4 |
| 32.5° | 730.2 | 732.8 | 741.3 | 746.2 | 718.8 | 689.2 | 711.0 | 762.8 | 869.9 | 920.7 | 935.2 |
| 35° | 772.4 | 777.1 | 794.4 | 810.5 | 787.4 | 753.5 | 776.8 | 830.5 | 931.8 | 989.4 | 993.5 |
| 37.5° | 817.0 | 826.3 | 847.1 | 875.3 | 871.7 | 841.6 | 862.9 | 910.0 | 980.5 | 1030.8 | 1041.7 |
| 40° | 868.1 | 877.1 | 911.1 | 951.8 | 960.3 | 953.6 | 960.6 | 988.1 | 1012.7 | 1032.6 | 1062.5 |
| 42.5° | 924.0 | 936.5 | 979.5 | 1033.9 | 1066.1 | 1072.0 | 1055.7 | 1052.9 | 1026.7 | 1011.9 | 1058.0 |
| 45° | 990.1 | 1004.7 | 1053.4 | 1123.9 | 1174.9 | 1183.0 | 1154.7 | 1118.2 | 1035.5 | 996.6 | 1044.8 |
| 47.5° | 1064.3 | 1078.0 | 1126.5 | 1211.2 | 1287.2 | 1290.3 | 1241.0 | 1182.2 | 1061.7 | 1014.2 | 1054.9 |
| 50° | 1089.2 | 1097.7 | 1139.7 | 1239.2 | 1379.2 | 1403.0 | 1331.8 | 1254.3 | 1114.3 | 1066.1 | 1104.2 |
| 52.5° | 1003.6 | 1007.0 | 1043.5 | 1144.1 | 1360.5 | 1513.7 | 1464.2 | 1361.8 | 1207.9 | 1145.1 | 1180.1 |
| 55° | 795.2 | 789.8 | 819.3 | 911.6 | 1182.5 | 1491.2 | 1584.2 | 1530.8 | 1328.4 | 1237.9 | 1278.9 |
| 57.5° | 556.2 | 549.8 | 543.0 | 605.5 | 882.3 | 1264.1 | 1459.8 | 1554.4 | 1443.2 | 1329.9 | 1385.4 |
| 60° | 457.2 | 451.0 | 418.3 | 389.6 | 533.4 | 907.7 | 1121.3 | 1299.4 | 1433.9 | 1325.3 | 1382.0 |
| 62.5° | 395.0 | 391.4 | 378.2 | 339.0 | 313.9 | 518.1 | 702.2 | 872.7 | 1100.3 | 1040.7 | 1043.8 |
| 65° | 310.3 | 309.2 | 318.3 | 322.4 | 277.6 | 286.7 | 358.2 | 453.6 | 594.9 | 560.9 | 531.9 |
| 67.5° | 212.0 | 209.7 | 226.8 | 278.9 | 267.0 | 226.3 | 209.7 | 211.5 | 257.4 | 157.3 | 124.9 |
| 70° | 134.8 | 129.3 | 129.6 | 172.9 | 217.2 | 178.6 | 161.7 | 142.3 | 128.0 | 23.3 | 26.4 |
| 72.5° | 86.3 | 82.9 | 71.3 | 78.0 | 100.6 | 87.1 | 87.9 | 75.7 | 50.5 | 12.4 | 14.5 |
| 75° | 36.3 | 33.4 | 25.7 | 20.5 | 20.2 | 12.7 | 11.1 | 10.4 | 7.0 | 7.0 | 7.5 |
| 77.5° | 0.3 | 0.0 | 0.0 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 1.0 | 1.6 | 1.8 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 |
| 2.5° | 749.1 | 742.9 | 749.9 | 752.5 | 752.2 | 752.5 | 744.9 | 739.8 | 739.5 | 733.0 | 729.9 |
| 5° | 751.9 | 747.0 | 752.2 | 748.8 | 740.8 | 730.7 | 717.2 | 705.5 | 700.4 | 692.8 | 689.2 |
| 7.5° | 757.4 | 752.2 | 751.4 | 737.9 | 718.0 | 696.7 | 672.9 | 651.6 | 640.2 | 626.5 | 627.3 |
| 10° | 761.3 | 755.3 | 745.2 | 717.7 | 684.5 | 650.6 | 615.1 | 583.5 | 563.5 | 545.1 | 542.0 |
| 12.5° | 762.8 | 754.0 | 730.4 | 688.9 | 642.3 | 598.0 | 545.9 | 500.8 | 469.7 | 445.6 | 442.2 |
| 15° | 765.7 | 751.4 | 711.5 | 654.2 | 590.2 | 527.5 | 461.1 | 399.4 | 358.2 | 330.5 | 332.8 |
| 17.5° | 770.1 | 748.6 | 690.2 | 615.3 | 534.2 | 445.6 | 355.9 | 285.1 | 247.3 | 231.2 | 231.5 |
| 20° | 776.3 | 745.2 | 666.9 | 572.6 | 467.1 | 353.0 | 248.8 | 195.4 | 184.8 | 184.3 | 183.5 |
| 22.5° | 784.6 | 741.8 | 642.0 | 525.7 | 387.5 | 247.3 | 165.6 | 149.0 | 153.4 | 162.0 | 163.6 |
| 25° | 794.4 | 737.7 | 614.3 | 472.8 | 300.7 | 162.3 | 124.2 | 121.6 | 132.2 | 143.6 | 146.2 |
| 27.5° | 809.7 | 735.6 | 582.7 | 412.6 | 211.0 | 116.4 | 101.6 | 103.2 | 112.8 | 122.3 | 124.7 |
| 30° | 835.7 | 739.5 | 548.2 | 345.3 | 135.6 | 92.8 | 88.1 | 90.5 | 95.6 | 100.6 | 102.6 |
| 32.5° | 870.9 | 750.9 | 514.8 | 271.6 | 96.7 | 80.6 | 79.6 | 80.9 | 82.9 | 85.8 | 86.6 |
| 35° | 912.1 | 770.6 | 480.3 | 194.4 | 79.8 | 73.6 | 72.6 | 72.6 | 73.6 | 74.1 | 74.4 |
| 37.5° | 946.1 | 791.3 | 447.9 | 129.3 | 71.5 | 68.2 | 66.6 | 65.8 | 65.6 | 66.1 | 66.4 |
| 40° | 960.8 | 799.9 | 412.6 | 94.1 | 65.6 | 63.2 | 60.9 | 58.6 | 58.6 | 60.4 | 60.7 |
| 42.5° | 950.5 | 790.3 | 371.9 | 77.8 | 61.4 | 58.1 | 54.4 | 52.4 | 53.4 | 55.2 | 55.7 |
| 45° | 928.4 | 766.7 | 327.1 | 68.7 | 57.3 | 52.9 | 48.7 | 47.4 | 48.5 | 50.8 | 51.3 |
| 47.5° | 924.8 | 751.2 | 273.5 | 62.7 | 52.9 | 48.5 | 44.1 | 42.8 | 44.1 | 45.9 | 46.4 |
| 50° | 960.8 | 764.6 | 213.8 | 57.5 | 48.7 | 43.8 | 40.2 | 38.9 | 39.7 | 40.7 | 41.2 |
| 52.5° | 1026.7 | 814.7 | 172.6 | 52.6 | 43.8 | 39.1 | 36.8 | 35.3 | 35.3 | 36.3 | 36.5 |
| 55° | 1123.9 | 902.0 | 149.0 | 46.9 | 38.1 | 35.5 | 33.4 | 31.9 | 31.9 | 32.4 | 32.7 |
| 57.5° | 1235.9 | 1007.8 | 154.5 | 39.4 | 33.4 | 32.1 | 30.3 | 29.0 | 29.5 | 29.5 | 29.5 |
| 60° | 1220.3 | 1000.0 | 165.4 | 33.2 | 29.5 | 29.0 | 27.5 | 27.0 | 28.3 | 27.2 | 26.7 |
| 62.5° | 898.9 | 690.8 | 86.6 | 27.2 | 25.4 | 24.9 | 23.8 | 24.9 | 26.7 | 23.8 | 22.8 |
| 65° | 436.5 | 334.4 | 34.7 | 22.3 | 21.5 | 21.0 | 20.5 | 22.0 | 23.1 | 18.7 | 17.6 |
| 67.5° | 102.6 | 83.5 | 22.6 | 18.9 | 17.9 | 16.8 | 17.4 | 17.6 | 16.8 | 12.7 | 12.2 |
| 70° | 26.7 | 26.2 | 17.6 | 15.8 | 14.3 | 13.2 | 13.2 | 13.0 | 11.1 | 8.0 | 7.5 |
| 72.5° | 14.5 | 14.3 | 12.7 | 11.9 | 9.8 | 8.8 | 9.1 | 8.0 | 6.2 | 4.7 | 4.4 |
| 75° | 7.3 | 7.8 | 7.3 | 6.7 | 5.4 | 4.9 | 4.9 | 4.4 | 3.1 | 1.8 | 1.8 |
| 77.5° | 1.6 | 1.8 | 1.8 | 1.6 | 1.3 | 1.0 | 1.0 | 1.3 | 0.5 | 0.0 | 0.0 |
| 80° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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)