

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: IRiS

Report Number: P1446894

Luminaire Tested: P3ART02R709827DE010 E3LCWW1WH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART02R709827DE010 E3LCWW1WH
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3LCWW1WH TRIM
Light Source: -
Ballast/Driver: -

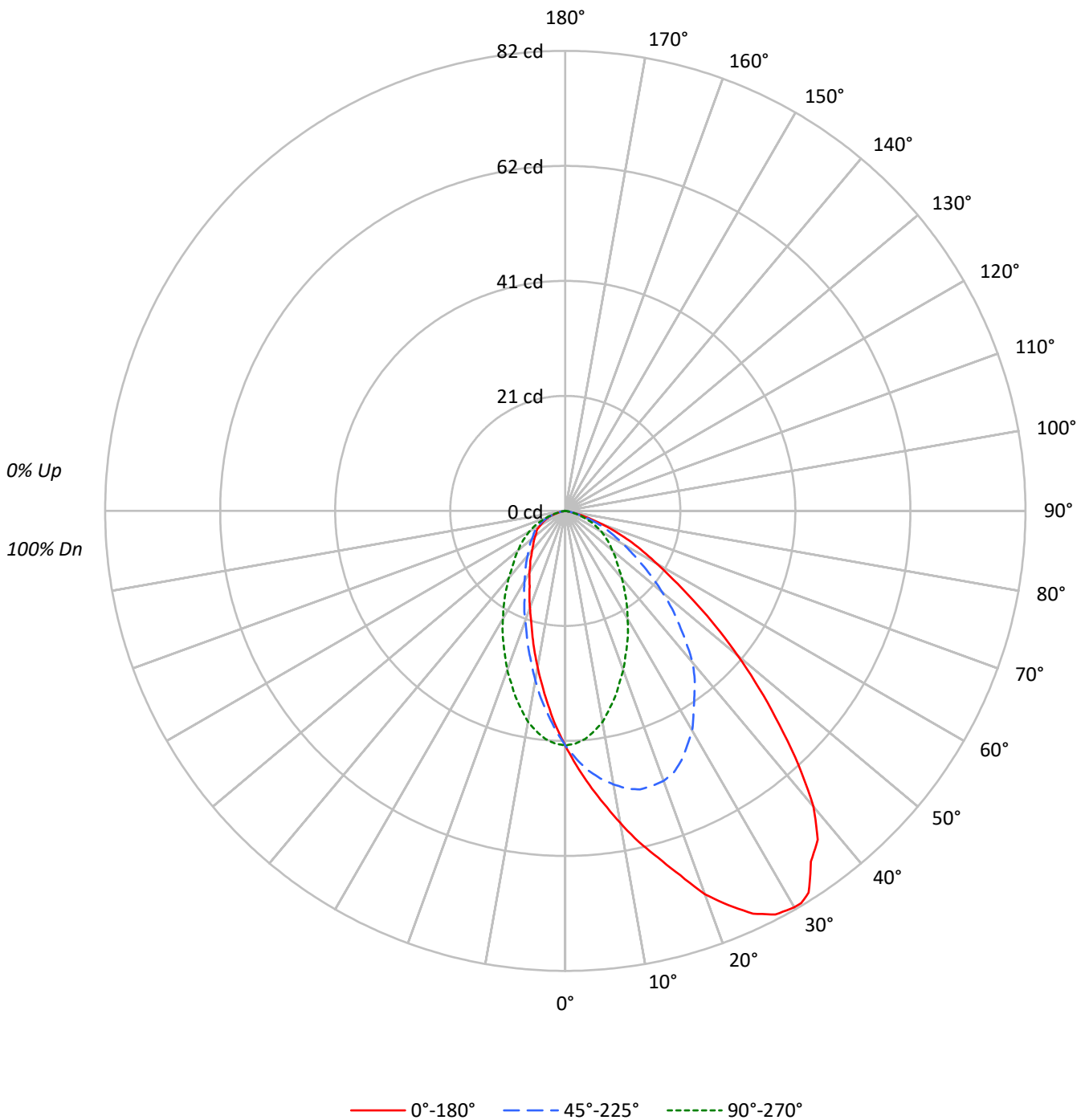
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 85.0 lumens
Efficiency: N/A
Efficacy: 23.6 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1446894
CATALOG NUMBER: P3ART02R709827DE010 E3LCWW1WH

Luminous Intensity Polar Plot





TEST NUMBER: P1446894

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | 0 | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | 88 | 88 |
| 2 | 102 | 95 | 90 | 85 | 100 | 93 | 88 | 84 | 90 | 86 | 82 | 87 | 83 | 80 | 84 | 81 | 78 | 76 | 76 | 76 |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 76 | 72 | 68 | 66 | 66 | 66 |
| 4 | 87 | 77 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 60 | 58 | 58 | 58 |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 59 | 54 | 64 | 58 | 54 | 62 | 57 | 53 | 51 | 51 | 51 |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 54 | 49 | 60 | 53 | 48 | 59 | 53 | 48 | 57 | 52 | 47 | 46 | 46 | 46 |
| 7 | 70 | 57 | 49 | 44 | 68 | 57 | 49 | 44 | 55 | 48 | 43 | 54 | 48 | 43 | 52 | 47 | 43 | 41 | 41 | 41 |
| 8 | 65 | 53 | 45 | 39 | 64 | 52 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 39 | 48 | 43 | 39 | 37 | 37 | 37 |
| 9 | 61 | 49 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 35 | 45 | 39 | 35 | 34 | 34 | 34 |
| 10 | 57 | 45 | 38 | 33 | 56 | 45 | 37 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 36 | 32 | 31 | 31 | 31 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|------|------|------|
| 0° | 9166 | 9166 | 9166 | 9166 | 9166 |
| 5° | 10786 | 10213 | 8981 | 7968 | 7660 |
| 10° | 12580 | 11022 | 8506 | 6836 | 6301 |
| 15° | 14529 | 11669 | 7787 | 5766 | 5153 |
| 20° | 16965 | 11948 | 7047 | 4854 | 4294 |
| 25° | 19162 | 11856 | 6315 | 4137 | 3629 |
| 30° | 20661 | 11445 | 5621 | 3671 | 3241 |
| 35° | 20425 | 10734 | 5033 | 3293 | 2918 |
| 40° | 19694 | 10105 | 4494 | 2977 | 2634 |
| 45° | 16715 | 8900 | 4031 | 2760 | 2481 |
| 50° | 13680 | 7676 | 3718 | 2627 | 2388 |
| 55° | 10628 | 6384 | 3517 | 2600 | 2409 |
| 60° | 8245 | 5307 | 3289 | 2544 | 2237 |
| 65° | 6538 | 4410 | 2906 | 2387 | 2127 |
| 70° | 4488 | 3270 | 2308 | 1988 | 1859 |
| 75° | 2288 | 1864 | 1610 | 1440 | 1186 |
| 80° | 253 | 631 | 884 | 631 | 253 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16715 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|-------------|--------------|
| 0°-10° | 3.9 | 4.6 |
| 10°-20° | 10.9 | 12.8 |
| 20°-30° | 16.0 | 18.9 |
| 30°-40° | 18.0 | 21.2 |
| 40°-50° | 15.8 | 18.6 |
| 50°-60° | 11.3 | 13.3 |
| 60°-70° | 6.7 | 7.9 |
| 70°-80° | 2.2 | 2.6 |
| 80°-90° | 0.1 | 0.1 |
| 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°-30° | 30.8 | 36.3 |
| 0°-40° | 48.8 | 57.4 |
| 0°-60° | 75.9 | 89.4 |
| 0°-90° | 85.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 85.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|----|-----|-----|------|------|------|
| 0° | 42 | 42 | 42 | 42 | 42 | |
| 5° | 49 | 46 | 41 | 36 | 35 | 5 |
| 15° | 64 | 51 | 34 | 25 | 23 | 18 |
| 25° | 79 | 49 | 26 | 17 | 15 | 36 |
| 35° | 76 | 40 | 19 | 12 | 11 | 48 |
| 45° | 54 | 29 | 13 | 9 | 8 | 42 |
| 55° | 28 | 17 | 9 | 7 | 6 | 25 |
| 65° | 13 | 8 | 6 | 5 | 4 | 13 |
| 75° | 3 | 2 | 2 | 2 | 1 | 3 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446894

CATALOG NUMBER: P3ART02R709827DE010 E3LCWW1WH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0° | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 |
| 2.5° | 45.4 | 45.4 | 45.4 | 44.9 | 44.9 | 44.2 | 43.7 | 43.0 | 42.5 | 41.8 | 41.5 |
| 5° | 49.0 | 49.0 | 48.5 | 48.1 | 47.3 | 46.4 | 45.2 | 44.0 | 42.5 | 41.3 | 40.8 |
| 7.5° | 52.6 | 52.9 | 52.2 | 51.2 | 49.8 | 48.1 | 46.4 | 44.4 | 42.3 | 40.6 | 39.6 |
| 10° | 56.5 | 56.5 | 55.5 | 54.1 | 51.9 | 49.5 | 46.9 | 44.2 | 41.5 | 39.1 | 38.2 |
| 12.5° | 60.4 | 60.1 | 58.9 | 56.8 | 54.1 | 50.7 | 47.1 | 43.7 | 40.6 | 37.7 | 36.2 |
| 15° | 64.0 | 64.0 | 62.3 | 59.7 | 55.8 | 51.4 | 47.1 | 42.7 | 39.1 | 35.7 | 34.3 |
| 17.5° | 68.1 | 68.1 | 65.9 | 61.8 | 57.0 | 51.4 | 46.4 | 41.5 | 37.4 | 33.8 | 32.1 |
| 20° | 72.7 | 72.5 | 69.3 | 63.8 | 57.5 | 51.2 | 45.4 | 40.1 | 35.5 | 31.6 | 30.2 |
| 22.5° | 76.1 | 75.8 | 72.2 | 65.4 | 57.7 | 50.5 | 43.7 | 38.2 | 33.6 | 29.7 | 28.0 |
| 25° | 79.2 | 78.7 | 74.6 | 66.2 | 57.2 | 49.0 | 42.0 | 36.0 | 31.6 | 27.8 | 26.1 |
| 27.5° | 81.1 | 80.9 | 76.3 | 65.9 | 56.0 | 47.1 | 39.8 | 34.1 | 29.5 | 25.6 | 24.2 |
| 30° | 81.6 | 81.9 | 76.3 | 64.7 | 54.1 | 45.2 | 37.7 | 31.9 | 27.3 | 23.9 | 22.2 |
| 31° | 81.6 | 81.9 | 75.8 | 64.0 | 53.4 | 44.2 | 36.7 | 31.2 | 26.3 | 22.9 | 21.5 |
| 32.5° | 80.7 | 80.2 | 75.1 | 62.8 | 51.7 | 42.5 | 35.5 | 29.9 | 25.1 | 21.7 | 20.5 |
| 35° | 76.3 | 76.6 | 72.7 | 60.1 | 49.3 | 40.1 | 33.1 | 27.5 | 22.9 | 20.0 | 18.8 |
| 37.5° | 73.9 | 73.9 | 66.9 | 56.5 | 46.6 | 37.9 | 30.2 | 24.9 | 21.0 | 18.4 | 17.1 |
| 40° | 68.8 | 68.1 | 61.6 | 52.6 | 43.5 | 35.3 | 28.5 | 23.2 | 19.3 | 16.7 | 15.7 |
| 42.5° | 61.6 | 60.9 | 55.8 | 49.3 | 39.4 | 31.9 | 27.0 | 20.5 | 17.4 | 15.2 | 14.2 |
| 45° | 53.9 | 53.4 | 49.5 | 43.5 | 35.5 | 28.7 | 23.4 | 18.8 | 15.9 | 13.8 | 13.0 |
| 47.5° | 46.9 | 46.1 | 43.2 | 38.6 | 32.1 | 25.8 | 20.3 | 16.9 | 14.2 | 12.6 | 12.1 |
| 50° | 40.1 | 39.8 | 37.4 | 33.8 | 28.5 | 22.5 | 17.9 | 15.0 | 13.0 | 11.6 | 10.9 |
| 52.5° | 33.8 | 33.3 | 32.1 | 29.2 | 24.9 | 19.6 | 15.7 | 13.3 | 11.6 | 10.6 | 10.1 |
| 55° | 27.8 | 27.8 | 26.6 | 24.6 | 21.3 | 16.7 | 13.8 | 11.8 | 10.4 | 9.7 | 9.2 |
| 57.5° | 22.9 | 22.9 | 22.0 | 20.8 | 17.6 | 14.2 | 12.1 | 10.4 | 9.4 | 8.7 | 8.2 |
| 60° | 18.8 | 18.8 | 18.1 | 16.9 | 14.7 | 12.1 | 10.4 | 9.2 | 8.5 | 7.7 | 7.5 |
| 62.5° | 15.7 | 15.5 | 15.0 | 13.8 | 12.1 | 10.1 | 8.9 | 8.0 | 7.2 | 6.8 | 6.5 |
| 65° | 12.6 | 12.3 | 11.8 | 10.9 | 9.7 | 8.5 | 7.5 | 6.8 | 6.3 | 5.8 | 5.6 |
| 67.5° | 9.7 | 9.7 | 9.2 | 8.5 | 7.5 | 6.8 | 6.0 | 5.6 | 5.1 | 4.8 | 4.6 |
| 70° | 7.0 | 7.0 | 6.8 | 6.3 | 5.6 | 5.1 | 4.6 | 4.3 | 4.1 | 3.9 | 3.6 |
| 72.5° | 4.8 | 4.8 | 4.6 | 4.3 | 3.9 | 3.6 | 3.1 | 3.1 | 2.9 | 2.9 | 2.7 |
| 75° | 2.7 | 2.7 | 2.7 | 2.4 | 2.4 | 2.2 | 2.2 | 2.2 | 1.9 | 1.9 | 1.9 |
| 77.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 80° | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.7 | 0.7 | 0.7 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 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 |



TEST NUMBER: P1446894
 CATALOG NUMBER: P3ART02R709827DE010 E3LCWW1WH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 0° | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 |
| 2.5° | 41.3 | 40.6 | 40.1 | 39.8 | 39.1 | 38.9 | 38.6 | 38.4 | 38.4 | 38.4 |
| 5° | 40.3 | 39.1 | 37.9 | 37.2 | 36.2 | 35.7 | 35.3 | 35.0 | 34.8 | 34.8 |
| 7.5° | 38.6 | 37.2 | 35.7 | 34.5 | 33.6 | 32.6 | 32.1 | 31.6 | 31.6 | 31.4 |
| 10° | 37.0 | 35.0 | 33.3 | 31.6 | 30.7 | 29.5 | 29.0 | 28.5 | 28.3 | 28.3 |
| 12.5° | 35.0 | 32.6 | 30.7 | 29.2 | 27.8 | 26.8 | 26.1 | 25.6 | 25.4 | 25.4 |
| 15° | 32.8 | 30.4 | 28.3 | 26.8 | 25.4 | 24.2 | 23.4 | 22.9 | 22.7 | 22.7 |
| 17.5° | 30.7 | 28.3 | 25.8 | 24.4 | 22.9 | 21.7 | 21.3 | 20.8 | 20.5 | 20.3 |
| 20° | 28.7 | 25.8 | 23.9 | 22.0 | 20.8 | 19.8 | 19.1 | 18.6 | 18.4 | 18.4 |
| 22.5° | 26.6 | 23.9 | 21.7 | 20.3 | 19.1 | 18.1 | 17.1 | 16.9 | 16.7 | 16.7 |
| 25° | 24.4 | 22.0 | 20.0 | 18.6 | 17.1 | 16.4 | 15.7 | 15.2 | 15.2 | 15.0 |
| 27.5° | 22.7 | 20.3 | 18.4 | 16.9 | 15.9 | 15.0 | 14.5 | 14.0 | 13.8 | 13.8 |
| 30° | 20.8 | 18.6 | 16.9 | 15.7 | 14.5 | 13.8 | 13.3 | 12.8 | 12.8 | 12.8 |
| 31° | 20.3 | 18.1 | 16.4 | 15.0 | 14.0 | 13.3 | 12.8 | 12.6 | 12.3 | 12.3 |
| 32.5° | 19.1 | 17.1 | 15.5 | 14.2 | 13.3 | 12.6 | 12.1 | 11.8 | 11.8 | 11.6 |
| 35° | 17.6 | 15.7 | 14.2 | 13.0 | 12.3 | 11.6 | 11.1 | 10.9 | 10.9 | 10.9 |
| 37.5° | 16.2 | 14.5 | 13.0 | 12.1 | 11.4 | 10.6 | 10.4 | 9.9 | 9.9 | 9.9 |
| 40° | 14.7 | 13.3 | 12.1 | 11.1 | 10.4 | 9.9 | 9.7 | 9.4 | 9.2 | 9.2 |
| 42.5° | 13.5 | 12.1 | 11.1 | 10.4 | 9.7 | 9.2 | 8.9 | 8.7 | 8.7 | 8.5 |
| 45° | 12.3 | 11.1 | 10.4 | 9.7 | 8.9 | 8.7 | 8.5 | 8.2 | 8.0 | 8.0 |
| 47.5° | 11.4 | 10.4 | 9.4 | 8.9 | 8.5 | 8.0 | 7.7 | 7.7 | 7.5 | 7.5 |
| 50° | 10.4 | 9.4 | 8.7 | 8.2 | 7.7 | 7.5 | 7.2 | 7.2 | 7.0 | 7.0 |
| 52.5° | 9.7 | 8.7 | 8.2 | 7.7 | 7.2 | 7.0 | 6.8 | 6.8 | 6.5 | 6.5 |
| 55° | 8.7 | 8.0 | 7.5 | 7.2 | 6.8 | 6.5 | 6.3 | 6.0 | 6.0 | 6.3 |
| 57.5° | 8.0 | 7.5 | 7.0 | 6.8 | 6.3 | 6.0 | 5.8 | 5.8 | 5.6 | 5.8 |
| 60° | 7.2 | 6.8 | 6.3 | 6.0 | 5.8 | 5.6 | 5.3 | 5.1 | 5.1 | 5.1 |
| 62.5° | 6.5 | 6.0 | 5.8 | 5.3 | 5.1 | 5.1 | 4.8 | 4.8 | 4.8 | 4.6 |
| 65° | 5.6 | 5.3 | 5.1 | 4.8 | 4.6 | 4.3 | 4.3 | 4.1 | 4.1 | 4.1 |
| 67.5° | 4.6 | 4.3 | 4.1 | 4.1 | 3.9 | 3.6 | 3.6 | 3.6 | 3.6 | 3.4 |
| 70° | 3.6 | 3.4 | 3.4 | 3.1 | 3.1 | 3.1 | 2.9 | 2.9 | 2.9 | 2.9 |
| 72.5° | 2.7 | 2.7 | 2.4 | 2.4 | 2.4 | 2.4 | 2.2 | 2.2 | 2.2 | 2.2 |
| 75° | 1.9 | 1.9 | 1.9 | 1.7 | 1.7 | 1.7 | 1.4 | 1.4 | 1.4 | 1.4 |
| 77.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 80° | 0.7 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.2 |
| 82.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 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 |
| 87.5° | 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 |

(END OF REPORT)