

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: P1445719

Luminaire Tested: P3ART02R709027DE010 E3CLSWW1MW

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART02R709027DE010 E3CLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

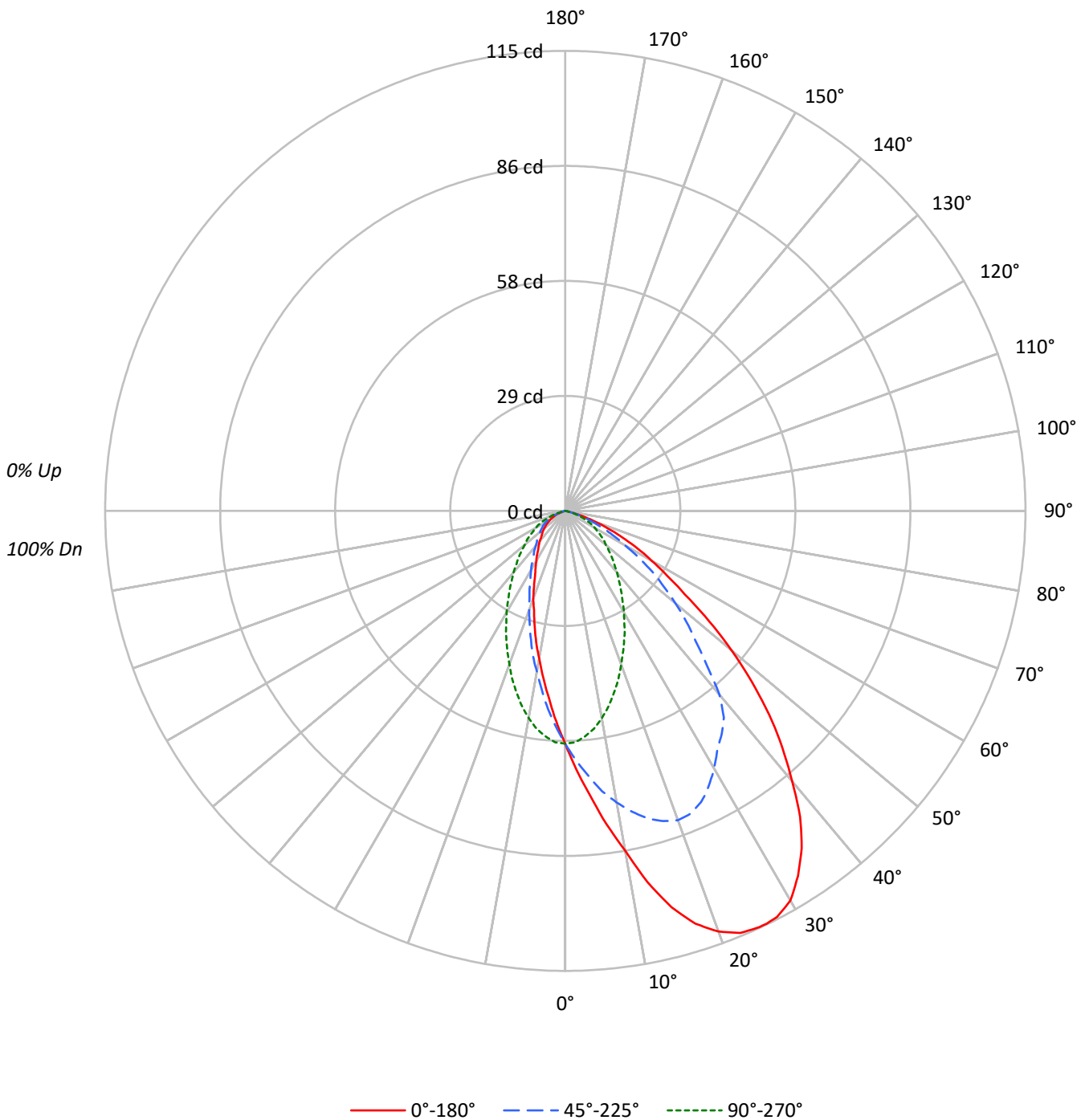
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 116.0 lumens
Efficiency: N/A
Efficacy: 32.2 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
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

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Luminous Intensity Polar Plot





TEST NUMBER: P1445719

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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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 89 | 89 | 89 | 89 |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 85 | 81 | 85 | 82 | 80 | 78 | 78 | 78 | 78 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 | 68 | 68 | 68 |
| 4 | 88 | 78 | 70 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | 60 | 60 | 60 |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 62 | 57 | 68 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 53 | 53 | 53 | 53 |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 51 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 47 | 47 | 47 | 47 |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | 43 | 43 | 43 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 | 39 | 39 | 39 |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | 35 | 35 | 35 |
| 10 | 59 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | 32 | 32 | 32 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 12762 | 12762 | 12762 | 12762 | 12762 |
| 5° | 15716 | 14638 | 12459 | 10940 | 10346 |
| 10° | 19194 | 16477 | 11712 | 9085 | 8350 |
| 15° | 23292 | 18070 | 10670 | 7537 | 6720 |
| 20° | 26112 | 19205 | 9521 | 6137 | 5460 |
| 25° | 27776 | 19429 | 8444 | 5105 | 4307 |
| 30° | 28485 | 18838 | 7419 | 4330 | 3671 |
| 35° | 27572 | 18230 | 6505 | 3694 | 3159 |
| 40° | 25247 | 17146 | 5754 | 3292 | 2834 |
| 45° | 22359 | 14296 | 5117 | 3070 | 2543 |
| 50° | 18524 | 12247 | 4503 | 2797 | 2354 |
| 55° | 13954 | 10169 | 4167 | 2638 | 2141 |
| 60° | 10964 | 7631 | 3772 | 2456 | 1886 |
| 65° | 8198 | 5656 | 3269 | 2024 | 1557 |
| 70° | 5257 | 3590 | 2308 | 1475 | 833 |
| 75° | 2203 | 1949 | 1101 | 593 | 254 |
| 80° | 379 | 379 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22359 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 5.5 | 4.8 |
| 10°-20° | 15.9 | 13.7 |
| 20°-30° | 23.2 | 20.0 |
| 30°-40° | 25.3 | 21.8 |
| 40°-50° | 21.9 | 18.9 |
| 50°-60° | 14.7 | 12.7 |
| 60°-70° | 7.6 | 6.5 |
| 70°-80° | 1.8 | 1.5 |
| 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°-30° | 44.7 | 38.5 |
| 0°-40° | 70.0 | 60.3 |
| 0°-60° | 106.6 | 91.9 |
| 0°-90° | 116.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 116.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 58 | 58 | 58 | 58 | 58 | |
| 5° | 71 | 66 | 57 | 50 | 47 | 7 |
| 15° | 103 | 80 | 47 | 33 | 30 | 29 |
| 25° | 115 | 80 | 35 | 21 | 18 | 53 |
| 35° | 103 | 68 | 24 | 14 | 12 | 64 |
| 45° | 72 | 46 | 16 | 10 | 8 | 55 |
| 55° | 36 | 27 | 11 | 7 | 6 | 34 |
| 65° | 16 | 11 | 6 | 4 | 3 | 16 |
| 75° | 3 | 2 | 1 | 1 | 0 | 3 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 0° | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| 2.5° | 64.8 | 64.5 | 64.5 | 63.8 | 63.2 | 62.5 | 61.5 | 60.5 | 59.6 | 58.6 | 57.9 |
| 5° | 71.4 | 71.7 | 71.4 | 70.1 | 68.4 | 66.5 | 64.5 | 62.2 | 59.9 | 57.9 | 56.6 |
| 7.5° | 79.0 | 79.0 | 78.0 | 76.3 | 74.0 | 70.7 | 67.4 | 63.5 | 59.9 | 56.6 | 54.9 |
| 10° | 86.2 | 86.2 | 84.6 | 81.9 | 78.3 | 74.0 | 69.4 | 64.2 | 59.2 | 54.6 | 52.6 |
| 12.5° | 95.1 | 94.8 | 92.8 | 88.5 | 83.2 | 77.0 | 70.7 | 64.2 | 58.2 | 52.6 | 50.0 |
| 15° | 102.6 | 102.3 | 99.7 | 94.4 | 87.5 | 79.6 | 71.1 | 63.5 | 56.3 | 50.0 | 47.0 |
| 17.5° | 108.2 | 107.6 | 104.6 | 99.0 | 91.1 | 81.3 | 71.4 | 62.2 | 54.0 | 47.0 | 44.1 |
| 20° | 111.9 | 111.5 | 108.2 | 101.7 | 93.1 | 82.3 | 71.1 | 60.5 | 51.7 | 44.1 | 40.8 |
| 22.5° | 114.2 | 113.5 | 110.2 | 103.0 | 93.1 | 81.9 | 69.7 | 58.2 | 48.7 | 41.1 | 37.8 |
| 25° | 114.8 | 114.5 | 110.5 | 102.6 | 92.1 | 80.3 | 67.8 | 55.9 | 45.7 | 38.2 | 34.9 |
| 26° | 114.8 | 114.5 | 110.5 | 102.3 | 91.5 | 79.3 | 66.8 | 54.9 | 44.7 | 36.8 | 33.9 |
| 27.5° | 114.5 | 114.2 | 109.9 | 101.3 | 90.1 | 77.6 | 64.8 | 53.0 | 42.8 | 35.2 | 31.9 |
| 30° | 112.5 | 111.9 | 107.6 | 99.0 | 87.2 | 74.4 | 61.5 | 50.0 | 39.8 | 32.2 | 29.3 |
| 32.5° | 108.2 | 107.6 | 103.0 | 95.1 | 83.9 | 70.7 | 57.9 | 46.7 | 36.8 | 29.3 | 26.6 |
| 35° | 103.0 | 102.3 | 97.7 | 90.1 | 79.3 | 68.1 | 54.0 | 43.1 | 33.6 | 27.0 | 24.3 |
| 37.5° | 96.4 | 95.4 | 91.5 | 83.6 | 73.7 | 65.1 | 50.7 | 39.5 | 30.6 | 24.3 | 22.0 |
| 40° | 88.2 | 87.8 | 84.2 | 77.0 | 67.1 | 59.9 | 48.7 | 39.5 | 28.0 | 22.0 | 20.1 |
| 42.5° | 80.3 | 79.6 | 76.3 | 70.1 | 61.2 | 52.3 | 42.8 | 37.8 | 26.0 | 19.7 | 18.1 |
| 45° | 72.1 | 71.4 | 68.4 | 63.2 | 54.9 | 46.1 | 46.1 | 32.6 | 22.4 | 18.1 | 16.5 |
| 47.5° | 63.2 | 62.5 | 60.2 | 56.3 | 49.0 | 41.1 | 33.6 | 26.6 | 20.4 | 16.1 | 14.8 |
| 50° | 54.3 | 54.6 | 52.6 | 48.7 | 43.1 | 35.9 | 29.0 | 22.4 | 17.4 | 14.5 | 13.2 |
| 52.5° | 45.4 | 45.1 | 43.8 | 41.1 | 37.2 | 30.9 | 24.7 | 19.1 | 15.1 | 12.8 | 12.2 |
| 55° | 36.5 | 36.8 | 36.2 | 34.5 | 31.3 | 26.6 | 20.7 | 16.5 | 13.5 | 11.5 | 10.9 |
| 57.5° | 30.3 | 30.6 | 29.3 | 28.3 | 25.7 | 21.7 | 17.1 | 13.8 | 11.5 | 10.2 | 9.5 |
| 60° | 25.0 | 25.3 | 24.3 | 23.0 | 21.1 | 17.4 | 13.8 | 11.5 | 10.2 | 9.2 | 8.6 |
| 62.5° | 20.4 | 20.1 | 19.4 | 18.1 | 16.5 | 13.8 | 11.2 | 9.5 | 8.6 | 7.9 | 7.6 |
| 65° | 15.8 | 15.8 | 15.1 | 14.1 | 12.8 | 10.9 | 8.9 | 7.9 | 7.2 | 6.6 | 6.3 |
| 67.5° | 11.8 | 11.8 | 11.2 | 10.5 | 9.2 | 7.9 | 6.9 | 6.3 | 5.9 | 5.3 | 4.9 |
| 70° | 8.2 | 8.2 | 7.9 | 7.6 | 6.6 | 5.6 | 5.3 | 4.6 | 4.3 | 3.9 | 3.6 |
| 72.5° | 5.3 | 5.3 | 5.3 | 4.6 | 4.3 | 3.6 | 3.6 | 3.3 | 3.0 | 2.6 | 2.6 |
| 75° | 2.6 | 3.0 | 2.6 | 2.6 | 2.3 | 2.3 | 2.0 | 2.0 | 1.6 | 1.6 | 1.3 |
| 77.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 80° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 0° | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| 2.5° | 57.2 | 56.3 | 55.6 | 54.6 | 54.0 | 53.3 | 53.0 | 52.6 | 52.6 | 52.6 |
| 5° | 55.6 | 54.0 | 52.3 | 50.7 | 49.7 | 48.7 | 47.7 | 47.4 | 47.0 | 47.0 |
| 7.5° | 53.6 | 51.0 | 48.7 | 46.7 | 45.1 | 44.1 | 43.1 | 42.4 | 42.1 | 42.1 |
| 10° | 51.0 | 47.7 | 45.1 | 42.4 | 40.8 | 39.5 | 38.8 | 37.8 | 37.8 | 37.5 |
| 12.5° | 48.0 | 44.1 | 41.1 | 38.8 | 37.2 | 35.5 | 34.5 | 33.9 | 33.6 | 33.6 |
| 15° | 44.7 | 40.8 | 37.5 | 34.9 | 33.2 | 31.6 | 30.6 | 29.9 | 29.6 | 29.6 |
| 17.5° | 41.5 | 37.2 | 33.9 | 31.3 | 29.6 | 28.0 | 27.0 | 26.3 | 26.3 | 26.0 |
| 20° | 38.2 | 33.9 | 30.6 | 28.0 | 26.3 | 25.0 | 24.0 | 23.4 | 23.0 | 23.4 |
| 22.5° | 35.2 | 30.9 | 27.6 | 25.3 | 23.4 | 22.0 | 21.1 | 20.7 | 20.4 | 20.4 |
| 25° | 31.9 | 28.0 | 25.0 | 22.7 | 21.1 | 19.7 | 18.8 | 18.4 | 18.1 | 17.8 |
| 26° | 30.9 | 27.0 | 24.0 | 21.7 | 20.1 | 18.8 | 18.1 | 17.4 | 17.1 | 17.1 |
| 27.5° | 29.6 | 25.3 | 22.7 | 20.4 | 18.8 | 17.8 | 16.8 | 16.5 | 16.1 | 16.1 |
| 30° | 26.6 | 23.0 | 20.4 | 18.4 | 17.1 | 15.8 | 15.1 | 14.8 | 14.5 | 14.5 |
| 32.5° | 24.3 | 20.7 | 18.4 | 16.8 | 15.5 | 14.5 | 13.8 | 13.2 | 13.2 | 13.2 |
| 35° | 22.0 | 18.8 | 16.8 | 15.1 | 13.8 | 12.8 | 12.5 | 12.2 | 11.8 | 11.8 |
| 37.5° | 20.1 | 17.1 | 15.1 | 13.8 | 12.8 | 11.8 | 11.2 | 10.9 | 10.9 | 10.9 |
| 40° | 18.1 | 15.8 | 13.8 | 12.5 | 11.5 | 10.9 | 10.2 | 9.9 | 9.9 | 9.9 |
| 42.5° | 16.5 | 14.1 | 12.8 | 11.5 | 10.5 | 9.9 | 9.5 | 9.2 | 8.9 | 8.9 |
| 45° | 15.1 | 13.2 | 11.5 | 10.5 | 9.9 | 9.2 | 8.6 | 8.2 | 8.2 | 8.2 |
| 47.5° | 13.5 | 12.2 | 10.5 | 9.5 | 8.9 | 8.2 | 7.9 | 7.6 | 7.6 | 7.6 |
| 50° | 12.5 | 11.2 | 9.9 | 8.9 | 8.2 | 7.6 | 7.2 | 6.9 | 6.9 | 6.9 |
| 52.5° | 11.2 | 10.2 | 9.2 | 8.2 | 7.6 | 6.9 | 6.6 | 6.3 | 6.3 | 6.3 |
| 55° | 10.2 | 9.2 | 8.2 | 7.6 | 6.9 | 6.3 | 5.9 | 5.6 | 5.6 | 5.6 |
| 57.5° | 9.2 | 8.2 | 7.6 | 6.9 | 6.3 | 5.9 | 5.3 | 5.3 | 4.9 | 4.9 |
| 60° | 8.2 | 7.2 | 6.6 | 6.3 | 5.6 | 5.3 | 4.6 | 4.3 | 4.3 | 4.3 |
| 62.5° | 6.9 | 6.6 | 5.9 | 5.3 | 4.6 | 4.3 | 3.9 | 3.6 | 3.6 | 3.6 |
| 65° | 5.9 | 5.6 | 4.9 | 4.3 | 3.9 | 3.6 | 3.3 | 3.0 | 3.0 | 3.0 |
| 67.5° | 4.9 | 4.3 | 3.9 | 3.6 | 3.3 | 3.0 | 2.6 | 2.3 | 2.0 | 2.3 |
| 70° | 3.6 | 3.3 | 3.0 | 2.6 | 2.3 | 2.0 | 1.6 | 1.6 | 1.3 | 1.3 |
| 72.5° | 2.3 | 2.0 | 2.0 | 1.6 | 1.3 | 1.3 | 1.0 | 1.0 | 0.7 | 0.7 |
| 75° | 1.3 | 1.3 | 1.0 | 1.0 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 |
| 77.5° | 0.7 | 0.3 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 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 |
| 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)