

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: P#

Luminaire Tested: P3ART02R709840DE010 E3LCWW1WMH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
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: P3ART02R709840DE010 E3LCWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

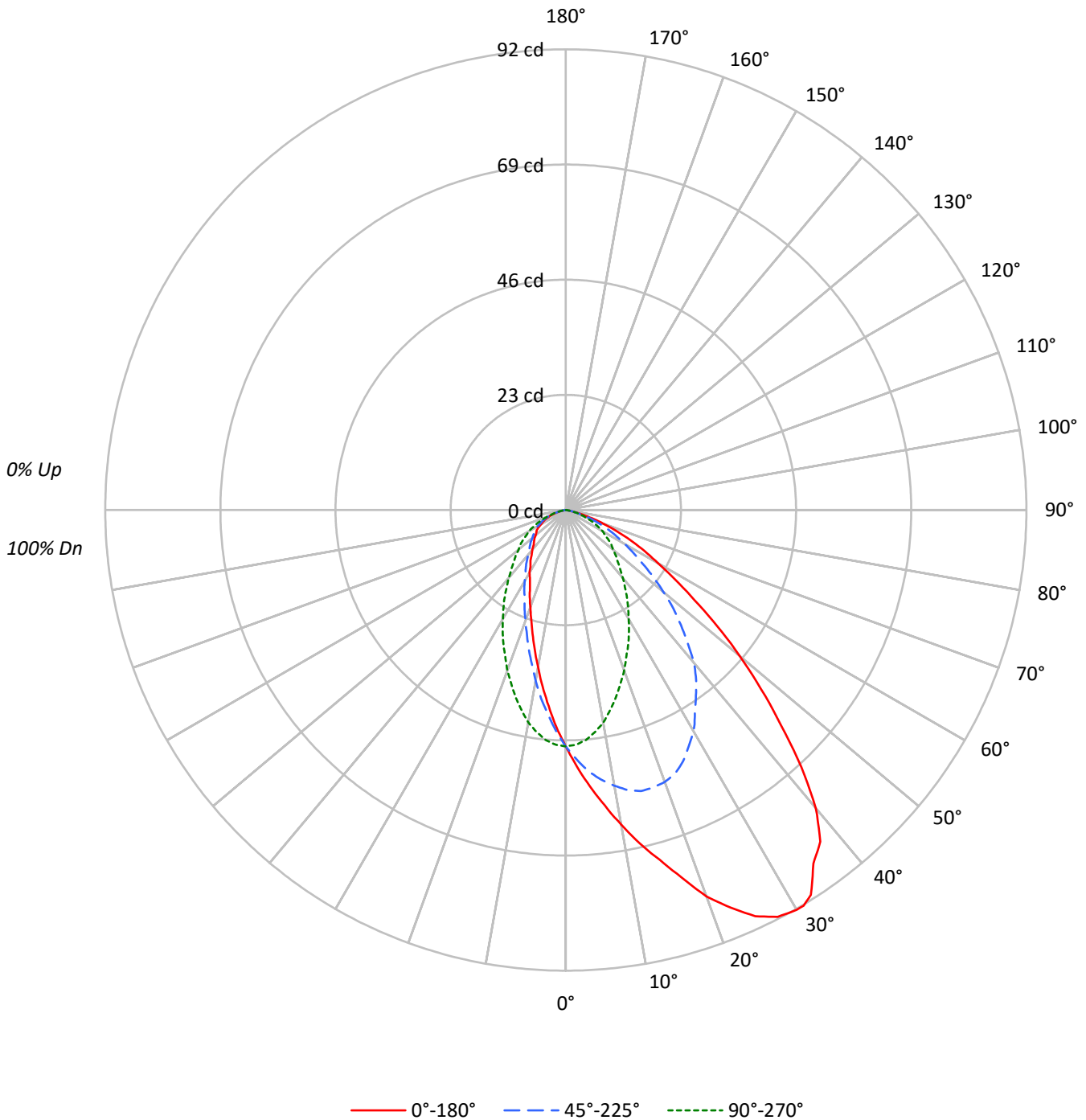
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 96.0 lumens
Efficiency: N/A
Efficacy: 26.7 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: P#
CATALOG NUMBER: P3ART02R709840DE010 E3LCWW1WMH

Luminous Intensity Polar Plot





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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 10350 | 10350 | 10350 | 10350 | 10350 |
| 5° | 12195 | 11534 | 10147 | 9003 | 8651 |
| 10° | 14206 | 12447 | 9597 | 7704 | 7103 |
| 15° | 16413 | 13190 | 8786 | 6493 | 5812 |
| 20° | 19158 | 13488 | 7957 | 5484 | 4830 |
| 25° | 21654 | 13404 | 7138 | 4694 | 4089 |
| 30° | 23345 | 12913 | 6355 | 4153 | 3671 |
| 35° | 23075 | 12126 | 5702 | 3721 | 3293 |
| 40° | 22242 | 11393 | 5067 | 3349 | 2977 |
| 45° | 18855 | 10079 | 4559 | 3132 | 2791 |
| 50° | 15454 | 8665 | 4196 | 2968 | 2695 |
| 55° | 12004 | 7187 | 3976 | 2906 | 2714 |
| 60° | 9341 | 5964 | 3728 | 2851 | 2500 |
| 65° | 7368 | 4929 | 3269 | 2698 | 2387 |
| 70° | 5065 | 3654 | 2629 | 2244 | 2116 |
| 75° | 2542 | 2118 | 1864 | 1610 | 1356 |
| 80° | 379 | 631 | 1010 | 631 | 379 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18855 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|-------------|--------------|
| 0°-10° | 4.4 | 4.6 |
| 10°-20° | 12.3 | 12.8 |
| 20°-30° | 18.1 | 18.9 |
| 30°-40° | 20.3 | 21.2 |
| 40°-50° | 17.9 | 18.6 |
| 50°-60° | 12.8 | 13.3 |
| 60°-70° | 7.6 | 7.9 |
| 70°-80° | 2.5 | 2.7 |
| 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° | 34.8 | 36.3 |
| 0°-40° | 55.1 | 57.4 |
| 0°-60° | 85.8 | 89.3 |
| 0°-90° | 96.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 96.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|----|-----|-----|------|------|------|
| 0° | 47 | 47 | 47 | 47 | 47 | |
| 5° | 55 | 52 | 46 | 41 | 39 | 6 |
| 15° | 72 | 58 | 39 | 29 | 26 | 21 |
| 25° | 90 | 55 | 30 | 19 | 17 | 41 |
| 35° | 86 | 45 | 21 | 14 | 12 | 54 |
| 45° | 61 | 32 | 15 | 10 | 9 | 47 |
| 55° | 31 | 19 | 10 | 8 | 7 | 29 |
| 65° | 14 | 10 | 6 | 5 | 5 | 14 |
| 75° | 3 | 2 | 2 | 2 | 2 | 4 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART02R709840DE010 E3LCWW1WMH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0° | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 |
| 2.5° | 51.3 | 51.3 | 51.3 | 50.7 | 50.7 | 49.9 | 49.4 | 48.6 | 48.0 | 47.2 | 46.9 |
| 5° | 55.4 | 55.4 | 54.8 | 54.3 | 53.5 | 52.4 | 51.0 | 49.6 | 48.0 | 46.6 | 46.1 |
| 7.5° | 59.5 | 59.7 | 58.9 | 57.8 | 56.2 | 54.3 | 52.4 | 50.2 | 47.7 | 45.8 | 44.7 |
| 10° | 63.8 | 63.8 | 62.7 | 61.1 | 58.6 | 55.9 | 52.9 | 49.9 | 46.9 | 44.2 | 43.1 |
| 12.5° | 68.2 | 67.9 | 66.6 | 64.1 | 61.1 | 57.3 | 53.2 | 49.4 | 45.8 | 42.6 | 40.9 |
| 15° | 72.3 | 72.3 | 70.4 | 67.4 | 63.0 | 58.1 | 53.2 | 48.3 | 44.2 | 40.4 | 38.7 |
| 17.5° | 76.9 | 76.9 | 74.5 | 69.8 | 64.4 | 58.1 | 52.4 | 46.9 | 42.3 | 38.2 | 36.3 |
| 20° | 82.1 | 81.8 | 78.3 | 72.0 | 64.9 | 57.8 | 51.3 | 45.3 | 40.1 | 35.7 | 34.1 |
| 22.5° | 85.9 | 85.6 | 81.6 | 73.9 | 65.2 | 57.0 | 49.4 | 43.1 | 37.9 | 33.5 | 31.6 |
| 25° | 89.5 | 88.9 | 84.3 | 74.7 | 64.6 | 55.4 | 47.5 | 40.6 | 35.7 | 31.4 | 29.5 |
| 27.5° | 91.6 | 91.4 | 86.2 | 74.5 | 63.3 | 53.2 | 45.0 | 38.5 | 33.3 | 28.9 | 27.3 |
| 30° | 92.2 | 92.5 | 86.2 | 73.1 | 61.1 | 51.0 | 42.6 | 36.0 | 30.8 | 27.0 | 25.1 |
| 31° | 92.2 | 92.5 | 85.6 | 72.3 | 60.3 | 49.9 | 41.5 | 35.2 | 29.7 | 25.9 | 24.3 |
| 32.5° | 91.1 | 90.6 | 84.8 | 70.9 | 58.4 | 48.0 | 40.1 | 33.8 | 28.4 | 24.5 | 23.2 |
| 35° | 86.2 | 86.5 | 82.1 | 67.9 | 55.6 | 45.3 | 37.4 | 31.1 | 25.9 | 22.6 | 21.3 |
| 37.5° | 83.5 | 83.5 | 75.6 | 63.8 | 52.6 | 42.8 | 34.1 | 28.1 | 23.7 | 20.7 | 19.4 |
| 40° | 77.7 | 76.9 | 69.6 | 59.5 | 49.1 | 39.8 | 32.2 | 26.2 | 21.8 | 18.8 | 17.7 |
| 42.5° | 69.6 | 68.7 | 63.0 | 55.6 | 44.5 | 36.0 | 30.5 | 23.2 | 19.6 | 17.2 | 16.1 |
| 45° | 60.8 | 60.3 | 55.9 | 49.1 | 40.1 | 32.5 | 26.5 | 21.3 | 18.0 | 15.5 | 14.7 |
| 47.5° | 52.9 | 52.1 | 48.8 | 43.6 | 36.3 | 29.2 | 22.9 | 19.1 | 16.1 | 14.2 | 13.6 |
| 50° | 45.3 | 45.0 | 42.3 | 38.2 | 32.2 | 25.4 | 20.2 | 16.9 | 14.7 | 13.1 | 12.3 |
| 52.5° | 38.2 | 37.6 | 36.3 | 33.0 | 28.1 | 22.1 | 17.7 | 15.0 | 13.1 | 12.0 | 11.5 |
| 55° | 31.4 | 31.4 | 30.0 | 27.8 | 24.0 | 18.8 | 15.5 | 13.4 | 11.7 | 10.9 | 10.4 |
| 57.5° | 25.9 | 25.9 | 24.8 | 23.5 | 19.9 | 16.1 | 13.6 | 11.7 | 10.6 | 9.8 | 9.3 |
| 60° | 21.3 | 21.3 | 20.5 | 19.1 | 16.6 | 13.6 | 11.7 | 10.4 | 9.5 | 8.7 | 8.5 |
| 62.5° | 17.7 | 17.5 | 16.9 | 15.5 | 13.6 | 11.5 | 10.1 | 9.0 | 8.2 | 7.6 | 7.4 |
| 65° | 14.2 | 13.9 | 13.4 | 12.3 | 10.9 | 9.5 | 8.5 | 7.6 | 7.1 | 6.5 | 6.3 |
| 67.5° | 10.9 | 10.9 | 10.4 | 9.5 | 8.5 | 7.6 | 6.8 | 6.3 | 5.7 | 5.5 | 5.2 |
| 70° | 7.9 | 7.9 | 7.6 | 7.1 | 6.3 | 5.7 | 5.2 | 4.9 | 4.6 | 4.4 | 4.1 |
| 72.5° | 5.5 | 5.5 | 5.2 | 4.9 | 4.4 | 4.1 | 3.5 | 3.5 | 3.3 | 3.3 | 3.0 |
| 75° | 3.0 | 3.0 | 3.0 | 2.7 | 2.7 | 2.5 | 2.5 | 2.5 | 2.2 | 2.2 | 2.2 |
| 77.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 80° | 0.3 | 0.3 | 0.3 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.8 | 0.8 | 0.8 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 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: P#
 CATALOG NUMBER: P3ART02R709840DE010 E3LCWW1WMH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 0° | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 |
| 2.5° | 46.6 | 45.8 | 45.3 | 45.0 | 44.2 | 43.9 | 43.6 | 43.4 | 43.4 | 43.4 |
| 5° | 45.6 | 44.2 | 42.8 | 42.0 | 40.9 | 40.4 | 39.8 | 39.6 | 39.3 | 39.3 |
| 7.5° | 43.6 | 42.0 | 40.4 | 39.0 | 37.9 | 36.8 | 36.3 | 35.7 | 35.7 | 35.5 |
| 10° | 41.7 | 39.6 | 37.6 | 35.7 | 34.6 | 33.3 | 32.7 | 32.2 | 31.9 | 31.9 |
| 12.5° | 39.6 | 36.8 | 34.6 | 33.0 | 31.4 | 30.3 | 29.5 | 28.9 | 28.6 | 28.6 |
| 15° | 37.1 | 34.4 | 31.9 | 30.3 | 28.6 | 27.3 | 26.5 | 25.9 | 25.6 | 25.6 |
| 17.5° | 34.6 | 31.9 | 29.2 | 27.5 | 25.9 | 24.5 | 24.0 | 23.5 | 23.2 | 22.9 |
| 20° | 32.5 | 29.2 | 27.0 | 24.8 | 23.5 | 22.4 | 21.5 | 21.0 | 20.7 | 20.7 |
| 22.5° | 30.0 | 27.0 | 24.5 | 22.9 | 21.5 | 20.5 | 19.4 | 19.1 | 18.8 | 18.8 |
| 25° | 27.5 | 24.8 | 22.6 | 21.0 | 19.4 | 18.5 | 17.7 | 17.2 | 17.2 | 16.9 |
| 27.5° | 25.6 | 22.9 | 20.7 | 19.1 | 18.0 | 16.9 | 16.4 | 15.8 | 15.5 | 15.5 |
| 30° | 23.5 | 21.0 | 19.1 | 17.7 | 16.4 | 15.5 | 15.0 | 14.5 | 14.5 | 14.5 |
| 31° | 22.9 | 20.5 | 18.5 | 16.9 | 15.8 | 15.0 | 14.5 | 14.2 | 13.9 | 13.9 |
| 32.5° | 21.5 | 19.4 | 17.5 | 16.1 | 15.0 | 14.2 | 13.6 | 13.4 | 13.4 | 13.1 |
| 35° | 19.9 | 17.7 | 16.1 | 14.7 | 13.9 | 13.1 | 12.5 | 12.3 | 12.3 | 12.3 |
| 37.5° | 18.3 | 16.4 | 14.7 | 13.6 | 12.8 | 12.0 | 11.7 | 11.2 | 11.2 | 11.2 |
| 40° | 16.6 | 15.0 | 13.6 | 12.5 | 11.7 | 11.2 | 10.9 | 10.6 | 10.4 | 10.4 |
| 42.5° | 15.3 | 13.6 | 12.5 | 11.7 | 10.9 | 10.4 | 10.1 | 9.8 | 9.8 | 9.5 |
| 45° | 13.9 | 12.5 | 11.7 | 10.9 | 10.1 | 9.8 | 9.5 | 9.3 | 9.0 | 9.0 |
| 47.5° | 12.8 | 11.7 | 10.6 | 10.1 | 9.5 | 9.0 | 8.7 | 8.7 | 8.5 | 8.5 |
| 50° | 11.7 | 10.6 | 9.8 | 9.3 | 8.7 | 8.5 | 8.2 | 8.2 | 7.9 | 7.9 |
| 52.5° | 10.9 | 9.8 | 9.3 | 8.7 | 8.2 | 7.9 | 7.6 | 7.6 | 7.4 | 7.4 |
| 55° | 9.8 | 9.0 | 8.5 | 8.2 | 7.6 | 7.4 | 7.1 | 6.8 | 6.8 | 7.1 |
| 57.5° | 9.0 | 8.5 | 7.9 | 7.6 | 7.1 | 6.8 | 6.5 | 6.5 | 6.3 | 6.5 |
| 60° | 8.2 | 7.6 | 7.1 | 6.8 | 6.5 | 6.3 | 6.0 | 5.7 | 5.7 | 5.7 |
| 62.5° | 7.4 | 6.8 | 6.5 | 6.0 | 5.7 | 5.7 | 5.5 | 5.5 | 5.5 | 5.2 |
| 65° | 6.3 | 6.0 | 5.7 | 5.5 | 5.2 | 4.9 | 4.9 | 4.6 | 4.6 | 4.6 |
| 67.5° | 5.2 | 4.9 | 4.6 | 4.6 | 4.4 | 4.1 | 4.1 | 4.1 | 4.1 | 3.8 |
| 70° | 4.1 | 3.8 | 3.8 | 3.5 | 3.5 | 3.5 | 3.3 | 3.3 | 3.3 | 3.3 |
| 72.5° | 3.0 | 3.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.5 | 2.5 | 2.5 | 2.5 |
| 75° | 2.2 | 2.2 | 2.2 | 1.9 | 1.9 | 1.9 | 1.6 | 1.6 | 1.6 | 1.6 |
| 77.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 80° | 0.8 | 0.8 | 0.8 | 0.8 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.3 |
| 82.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 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)