

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: P3ART02R70B2750DE010 E3LCWW1H_4000K

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: P3ART02R70B2750DE010 E3LCWW1H_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 80CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

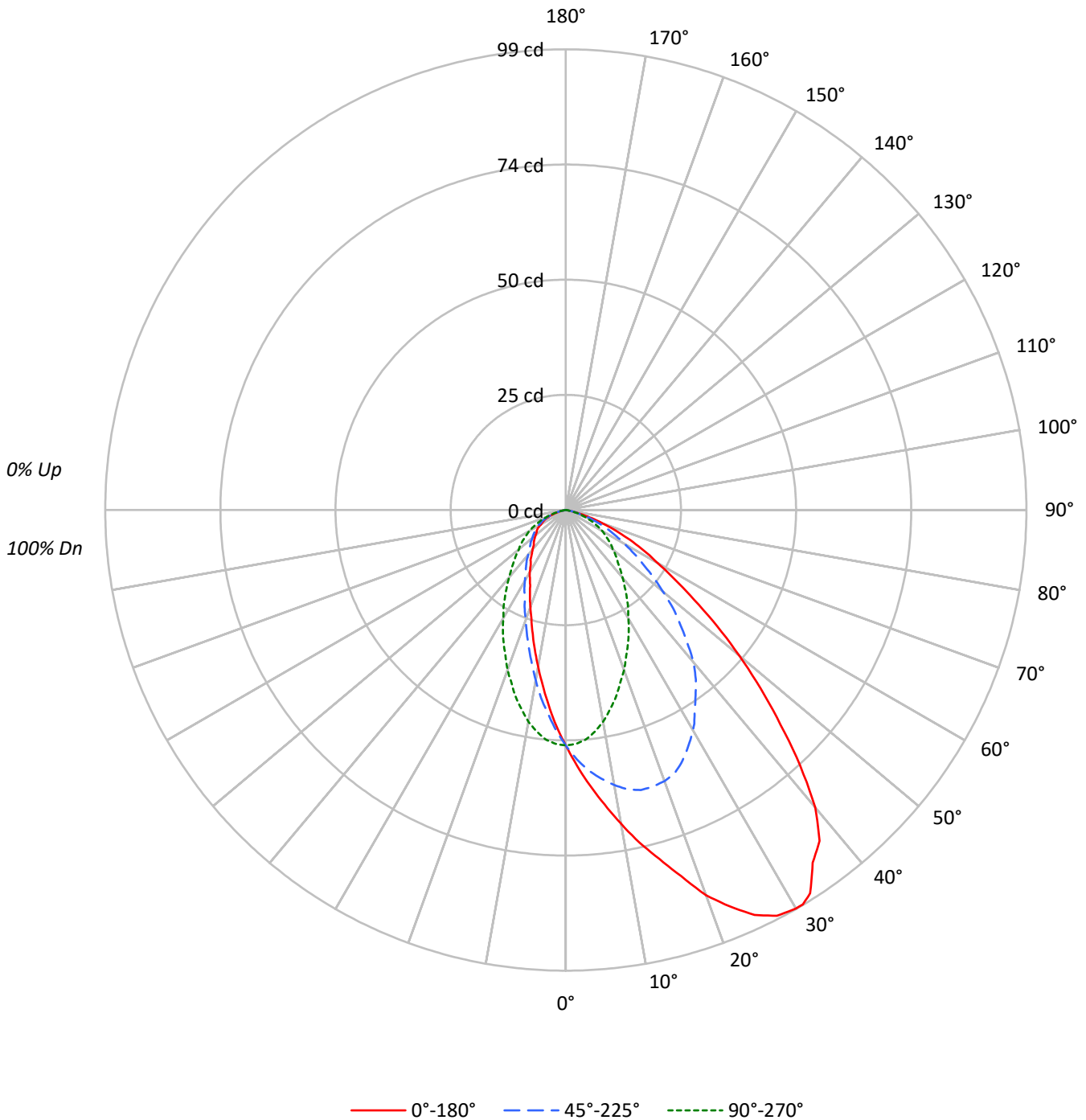
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 103.0 lumens
Efficiency: N/A
Efficacy: 35.5 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): 2.9
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: P3ART02R70B2750DE010 E3LCWW1H_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART02R70B2750DE010 E3LCWW1H_4000K

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 11096 | 11096 | 11096 | 11096 | 11096 |
| 5° | 13075 | 12371 | 10896 | 9663 | 9267 |
| 10° | 15252 | 13360 | 10287 | 8283 | 7615 |
| 15° | 17616 | 14143 | 9444 | 6969 | 6243 |
| 20° | 20558 | 14468 | 8541 | 5881 | 5180 |
| 25° | 23227 | 14372 | 7646 | 5033 | 4379 |
| 30° | 25042 | 13850 | 6811 | 4456 | 3925 |
| 35° | 24762 | 13010 | 6103 | 3989 | 3534 |
| 40° | 23873 | 12223 | 5439 | 3607 | 3177 |
| 45° | 20250 | 10792 | 4900 | 3349 | 3008 |
| 50° | 16579 | 9279 | 4503 | 3207 | 2900 |
| 55° | 12884 | 7723 | 4244 | 3135 | 2906 |
| 60° | 9999 | 6403 | 3991 | 3070 | 2675 |
| 65° | 7887 | 5292 | 3476 | 2906 | 2594 |
| 70° | 5450 | 3911 | 2821 | 2436 | 2244 |
| 75° | 2711 | 2203 | 1949 | 1694 | 1525 |
| 80° | 379 | 758 | 1137 | 758 | 379 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20250 cd/sqm



TEST NUMBER: P#
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 4.7 | 4.6 |
| 10°-20° | 13.2 | 12.8 |
| 20°-30° | 19.4 | 18.9 |
| 30°-40° | 21.8 | 21.2 |
| 40°-50° | 19.2 | 18.6 |
| 50°-60° | 13.7 | 13.3 |
| 60°-70° | 8.1 | 7.9 |
| 70°-80° | 2.7 | 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° | 37.4 | 36.3 |
| 0°-40° | 59.2 | 57.4 |
| 0°-60° | 92.0 | 89.3 |
| 0°-90° | 103.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 103.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|----|-----|-----|------|------|------|
| 0° | 51 | 51 | 51 | 51 | 51 | |
| 5° | 59 | 56 | 50 | 44 | 42 | 6 |
| 15° | 78 | 62 | 42 | 31 | 28 | 22 |
| 25° | 96 | 59 | 32 | 21 | 18 | 44 |
| 35° | 92 | 49 | 23 | 15 | 13 | 58 |
| 45° | 65 | 35 | 16 | 11 | 10 | 50 |
| 55° | 34 | 20 | 11 | 8 | 8 | 31 |
| 65° | 15 | 10 | 7 | 6 | 5 | 15 |
| 75° | 3 | 3 | 2 | 2 | 2 | 4 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART02R70B2750DE010 E3LCWW1H_4000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0° | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| 2.5° | 55.0 | 55.0 | 55.0 | 54.4 | 54.4 | 53.6 | 53.0 | 52.1 | 51.5 | 50.6 | 50.3 |
| 5° | 59.4 | 59.4 | 58.8 | 58.2 | 57.4 | 56.2 | 54.7 | 53.3 | 51.5 | 50.0 | 49.5 |
| 7.5° | 63.8 | 64.1 | 63.2 | 62.0 | 60.3 | 58.2 | 56.2 | 53.8 | 51.2 | 49.2 | 48.0 |
| 10° | 68.5 | 68.5 | 67.3 | 65.6 | 62.9 | 60.0 | 56.8 | 53.6 | 50.3 | 47.4 | 46.2 |
| 12.5° | 73.2 | 72.9 | 71.4 | 68.8 | 65.6 | 61.5 | 57.1 | 53.0 | 49.2 | 45.7 | 43.9 |
| 15° | 77.6 | 77.6 | 75.5 | 72.3 | 67.6 | 62.3 | 57.1 | 51.8 | 47.4 | 43.3 | 41.6 |
| 17.5° | 82.5 | 82.5 | 79.9 | 74.9 | 69.1 | 62.3 | 56.2 | 50.3 | 45.4 | 41.0 | 38.9 |
| 20° | 88.1 | 87.8 | 84.0 | 77.3 | 69.7 | 62.0 | 55.0 | 48.6 | 43.0 | 38.3 | 36.6 |
| 22.5° | 92.2 | 91.9 | 87.5 | 79.3 | 69.9 | 61.2 | 53.0 | 46.2 | 40.7 | 36.0 | 33.9 |
| 25° | 96.0 | 95.4 | 90.4 | 80.2 | 69.4 | 59.4 | 50.9 | 43.6 | 38.3 | 33.7 | 31.6 |
| 27.5° | 98.3 | 98.0 | 92.5 | 79.9 | 67.9 | 57.1 | 48.3 | 41.3 | 35.7 | 31.0 | 29.3 |
| 30° | 98.9 | 99.2 | 92.5 | 78.4 | 65.6 | 54.7 | 45.7 | 38.6 | 33.1 | 29.0 | 26.9 |
| 31° | 98.9 | 99.2 | 91.9 | 77.6 | 64.7 | 53.6 | 44.5 | 37.8 | 31.9 | 27.8 | 26.0 |
| 32.5° | 97.7 | 97.2 | 91.0 | 76.1 | 62.6 | 51.5 | 43.0 | 36.3 | 30.4 | 26.3 | 24.9 |
| 35° | 92.5 | 92.8 | 88.1 | 72.9 | 59.7 | 48.6 | 40.1 | 33.4 | 27.8 | 24.3 | 22.8 |
| 37.5° | 89.6 | 89.6 | 81.1 | 68.5 | 56.5 | 45.9 | 36.6 | 30.1 | 25.5 | 22.2 | 20.8 |
| 40° | 83.4 | 82.5 | 74.6 | 63.8 | 52.7 | 42.7 | 34.5 | 28.1 | 23.4 | 20.2 | 19.0 |
| 42.5° | 74.6 | 73.7 | 67.6 | 59.7 | 47.7 | 38.6 | 32.8 | 24.9 | 21.1 | 18.4 | 17.3 |
| 45° | 65.3 | 64.7 | 60.0 | 52.7 | 43.0 | 34.8 | 28.4 | 22.8 | 19.3 | 16.7 | 15.8 |
| 47.5° | 56.8 | 55.9 | 52.4 | 46.8 | 38.9 | 31.3 | 24.6 | 20.5 | 17.3 | 15.2 | 14.6 |
| 50° | 48.6 | 48.3 | 45.4 | 41.0 | 34.5 | 27.2 | 21.7 | 18.1 | 15.8 | 14.0 | 13.2 |
| 52.5° | 41.0 | 40.4 | 38.9 | 35.4 | 30.1 | 23.7 | 19.0 | 16.1 | 14.0 | 12.9 | 12.3 |
| 55° | 33.7 | 33.7 | 32.2 | 29.9 | 25.8 | 20.2 | 16.7 | 14.3 | 12.6 | 11.7 | 11.1 |
| 57.5° | 27.8 | 27.8 | 26.6 | 25.2 | 21.4 | 17.3 | 14.6 | 12.6 | 11.4 | 10.5 | 10.0 |
| 60° | 22.8 | 22.8 | 21.9 | 20.5 | 17.9 | 14.6 | 12.6 | 11.1 | 10.2 | 9.4 | 9.1 |
| 62.5° | 19.0 | 18.7 | 18.1 | 16.7 | 14.6 | 12.3 | 10.8 | 9.7 | 8.8 | 8.2 | 7.9 |
| 65° | 15.2 | 14.9 | 14.3 | 13.2 | 11.7 | 10.2 | 9.1 | 8.2 | 7.6 | 7.0 | 6.7 |
| 67.5° | 11.7 | 11.7 | 11.1 | 10.2 | 9.1 | 8.2 | 7.3 | 6.7 | 6.1 | 5.9 | 5.6 |
| 70° | 8.5 | 8.5 | 8.2 | 7.6 | 6.7 | 6.1 | 5.6 | 5.3 | 5.0 | 4.7 | 4.4 |
| 72.5° | 5.9 | 5.9 | 5.6 | 5.3 | 4.7 | 4.4 | 3.8 | 3.8 | 3.5 | 3.5 | 3.2 |
| 75° | 3.2 | 3.2 | 3.2 | 2.9 | 2.9 | 2.6 | 2.6 | 2.6 | 2.3 | 2.3 | 2.3 |
| 77.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 80° | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 0.6 | 0.6 | 0.6 | 0.9 | 0.9 | 0.9 |
| 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: P3ART02R70B2750DE010 E3LCWW1H_4000K

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 0° | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| 2.5° | 50.0 | 49.2 | 48.6 | 48.3 | 47.4 | 47.1 | 46.8 | 46.5 | 46.5 | 46.5 |
| 5° | 48.9 | 47.4 | 45.9 | 45.1 | 43.9 | 43.3 | 42.7 | 42.4 | 42.1 | 42.1 |
| 7.5° | 46.8 | 45.1 | 43.3 | 41.8 | 40.7 | 39.5 | 38.9 | 38.3 | 38.3 | 38.0 |
| 10° | 44.8 | 42.4 | 40.4 | 38.3 | 37.2 | 35.7 | 35.1 | 34.5 | 34.2 | 34.2 |
| 12.5° | 42.4 | 39.5 | 37.2 | 35.4 | 33.7 | 32.5 | 31.6 | 31.0 | 30.7 | 30.7 |
| 15° | 39.8 | 36.9 | 34.2 | 32.5 | 30.7 | 29.3 | 28.4 | 27.8 | 27.5 | 27.5 |
| 17.5° | 37.2 | 34.2 | 31.3 | 29.6 | 27.8 | 26.3 | 25.8 | 25.2 | 24.9 | 24.6 |
| 20° | 34.8 | 31.3 | 29.0 | 26.6 | 25.2 | 24.0 | 23.1 | 22.5 | 22.2 | 22.2 |
| 22.5° | 32.2 | 29.0 | 26.3 | 24.6 | 23.1 | 21.9 | 20.8 | 20.5 | 20.2 | 20.2 |
| 25° | 29.6 | 26.6 | 24.3 | 22.5 | 20.8 | 19.9 | 19.0 | 18.4 | 18.4 | 18.1 |
| 27.5° | 27.5 | 24.6 | 22.2 | 20.5 | 19.3 | 18.1 | 17.6 | 17.0 | 16.7 | 16.7 |
| 30° | 25.2 | 22.5 | 20.5 | 19.0 | 17.6 | 16.7 | 16.1 | 15.5 | 15.5 | 15.5 |
| 31° | 24.6 | 21.9 | 19.9 | 18.1 | 17.0 | 16.1 | 15.5 | 15.2 | 14.9 | 14.9 |
| 32.5° | 23.1 | 20.8 | 18.7 | 17.3 | 16.1 | 15.2 | 14.6 | 14.3 | 14.3 | 14.0 |
| 35° | 21.4 | 19.0 | 17.3 | 15.8 | 14.9 | 14.0 | 13.5 | 13.2 | 13.2 | 13.2 |
| 37.5° | 19.6 | 17.6 | 15.8 | 14.6 | 13.8 | 12.9 | 12.6 | 12.0 | 12.0 | 12.0 |
| 40° | 17.9 | 16.1 | 14.6 | 13.5 | 12.6 | 12.0 | 11.7 | 11.4 | 11.1 | 11.1 |
| 42.5° | 16.4 | 14.6 | 13.5 | 12.6 | 11.7 | 11.1 | 10.8 | 10.5 | 10.5 | 10.2 |
| 45° | 14.9 | 13.5 | 12.6 | 11.7 | 10.8 | 10.5 | 10.2 | 10.0 | 9.7 | 9.7 |
| 47.5° | 13.8 | 12.6 | 11.4 | 10.8 | 10.2 | 9.7 | 9.4 | 9.4 | 9.1 | 9.1 |
| 50° | 12.6 | 11.4 | 10.5 | 10.0 | 9.4 | 9.1 | 8.8 | 8.8 | 8.5 | 8.5 |
| 52.5° | 11.7 | 10.5 | 10.0 | 9.4 | 8.8 | 8.5 | 8.2 | 8.2 | 7.9 | 7.9 |
| 55° | 10.5 | 9.7 | 9.1 | 8.8 | 8.2 | 7.9 | 7.6 | 7.3 | 7.3 | 7.6 |
| 57.5° | 9.7 | 9.1 | 8.5 | 8.2 | 7.6 | 7.3 | 7.0 | 7.0 | 6.7 | 7.0 |
| 60° | 8.8 | 8.2 | 7.6 | 7.3 | 7.0 | 6.7 | 6.4 | 6.1 | 6.1 | 6.1 |
| 62.5° | 7.9 | 7.3 | 7.0 | 6.4 | 6.1 | 6.1 | 5.9 | 5.9 | 5.9 | 5.6 |
| 65° | 6.7 | 6.4 | 6.1 | 5.9 | 5.6 | 5.3 | 5.3 | 5.0 | 5.0 | 5.0 |
| 67.5° | 5.6 | 5.3 | 5.0 | 5.0 | 4.7 | 4.4 | 4.4 | 4.4 | 4.4 | 4.1 |
| 70° | 4.4 | 4.1 | 4.1 | 3.8 | 3.8 | 3.8 | 3.5 | 3.5 | 3.5 | 3.5 |
| 72.5° | 3.2 | 3.2 | 2.9 | 2.9 | 2.9 | 2.9 | 2.6 | 2.6 | 2.6 | 2.6 |
| 75° | 2.3 | 2.3 | 2.3 | 2.0 | 2.0 | 2.0 | 1.8 | 1.8 | 1.8 | 1.8 |
| 77.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 80° | 0.9 | 0.9 | 0.9 | 0.9 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 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)