

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 E3LCWW1LI_3000K

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 E3LCWW1LI_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LCWW1LI TRIM
Light Source: -
Ballast/Driver: -

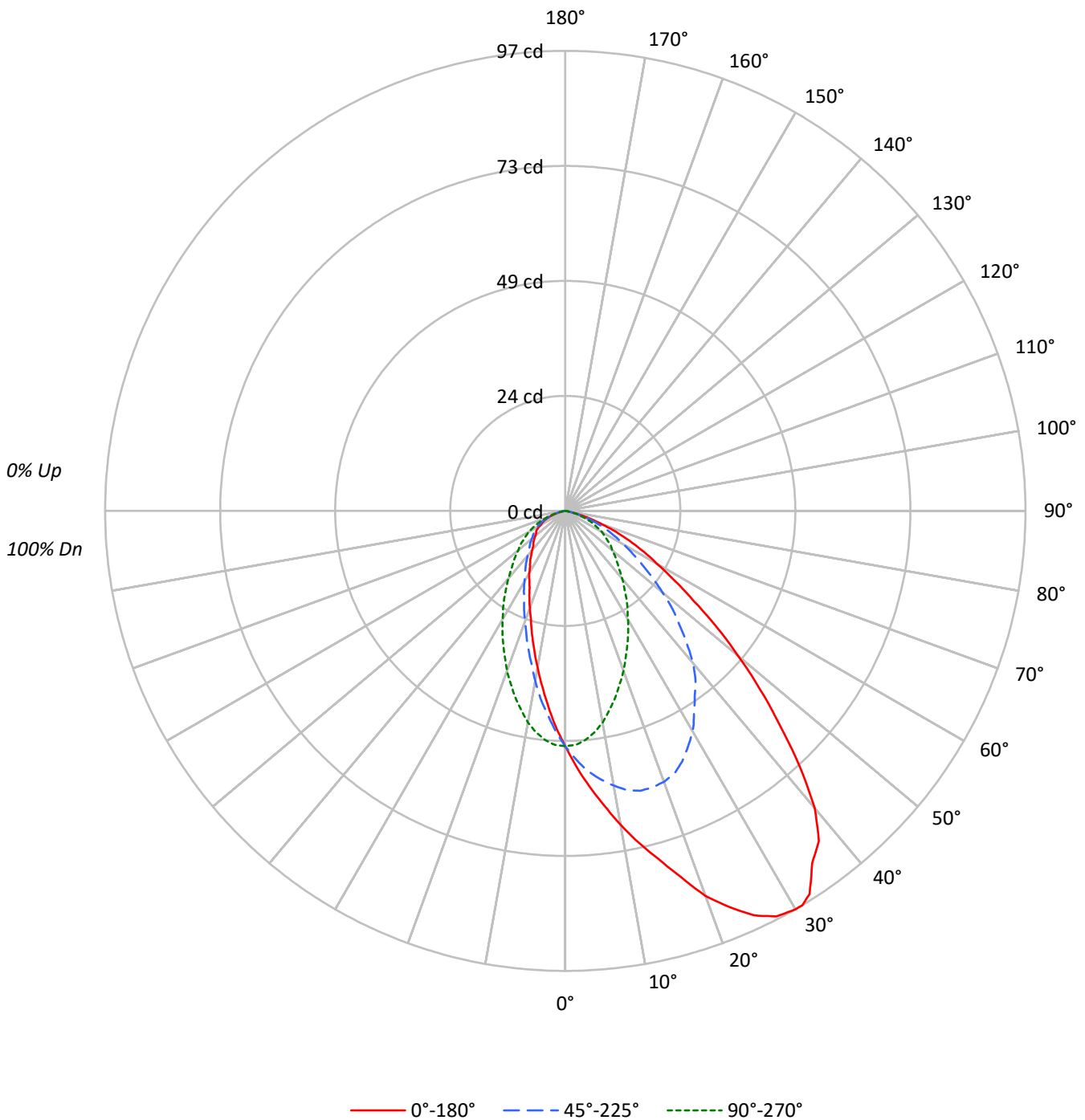
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 101.0 lumens
Efficiency: N/A
Efficacy: 34.8 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.88 / 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 E3LCWW1LI_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART02R70B2750DE010 E3LCWW1LI_3000K

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° | 10876 | 10876 | 10876 | 10876 | 10876 |
| 5° | 12833 | 12129 | 10676 | 9465 | 9091 |
| 10° | 14963 | 13093 | 10087 | 8105 | 7481 |
| 15° | 17253 | 13871 | 9240 | 6833 | 6129 |
| 20° | 20162 | 14188 | 8377 | 5764 | 5087 |
| 25° | 22767 | 14106 | 7500 | 4936 | 4307 |
| 30° | 24561 | 13597 | 6685 | 4355 | 3849 |
| 35° | 24280 | 12742 | 5996 | 3908 | 3453 |
| 40° | 23415 | 11994 | 5353 | 3521 | 3120 |
| 45° | 19847 | 10575 | 4807 | 3287 | 2946 |
| 50° | 16238 | 9108 | 4401 | 3138 | 2831 |
| 55° | 12616 | 7570 | 4167 | 3058 | 2867 |
| 60° | 9824 | 6271 | 3903 | 3026 | 2631 |
| 65° | 7731 | 5189 | 3424 | 2854 | 2542 |
| 70° | 5321 | 3847 | 2757 | 2372 | 2180 |
| 75° | 2711 | 2203 | 1949 | 1694 | 1440 |
| 80° | 379 | 758 | 1137 | 758 | 379 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19847 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 4.6 | 4.6 |
| 10°-20° | 12.9 | 12.8 |
| 20°-30° | 19.1 | 18.9 |
| 30°-40° | 21.4 | 21.2 |
| 40°-50° | 18.8 | 18.6 |
| 50°-60° | 13.4 | 13.3 |
| 60°-70° | 8.0 | 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° | 36.6 | 36.3 |
| 0°-40° | 58.0 | 57.4 |
| 0°-60° | 90.2 | 89.3 |
| 0°-90° | 101.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 101.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|----|-----|-----|------|------|------|
| 0° | 50 | 50 | 50 | 50 | 50 | |
| 5° | 58 | 55 | 48 | 43 | 41 | 6 |
| 15° | 76 | 61 | 41 | 30 | 27 | 22 |
| 25° | 94 | 58 | 31 | 20 | 18 | 43 |
| 35° | 91 | 48 | 22 | 15 | 13 | 57 |
| 45° | 64 | 34 | 16 | 11 | 10 | 50 |
| 55° | 33 | 20 | 11 | 8 | 8 | 30 |
| 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#
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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0° | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| 2.5° | 54.0 | 54.0 | 54.0 | 53.4 | 53.4 | 52.5 | 51.9 | 51.1 | 50.5 | 49.6 | 49.4 |
| 5° | 58.3 | 58.3 | 57.7 | 57.1 | 56.2 | 55.1 | 53.7 | 52.2 | 50.5 | 49.1 | 48.5 |
| 7.5° | 62.6 | 62.8 | 62.0 | 60.8 | 59.1 | 57.1 | 55.1 | 52.8 | 50.2 | 48.2 | 47.1 |
| 10° | 67.2 | 67.2 | 66.0 | 64.3 | 61.7 | 58.8 | 55.7 | 52.5 | 49.4 | 46.5 | 45.3 |
| 12.5° | 71.7 | 71.5 | 70.0 | 67.4 | 64.3 | 60.3 | 56.0 | 51.9 | 48.2 | 44.8 | 43.0 |
| 15° | 76.0 | 76.0 | 74.0 | 70.9 | 66.3 | 61.1 | 56.0 | 50.8 | 46.5 | 42.5 | 40.7 |
| 17.5° | 80.9 | 80.9 | 78.3 | 73.5 | 67.7 | 61.1 | 55.1 | 49.4 | 44.5 | 40.2 | 38.2 |
| 20° | 86.4 | 86.1 | 82.4 | 75.8 | 68.3 | 60.8 | 54.0 | 47.6 | 42.2 | 37.6 | 35.9 |
| 22.5° | 90.4 | 90.1 | 85.8 | 77.8 | 68.6 | 60.0 | 51.9 | 45.3 | 39.9 | 35.3 | 33.3 |
| 25° | 94.1 | 93.6 | 88.7 | 78.6 | 68.0 | 58.3 | 49.9 | 42.8 | 37.6 | 33.0 | 31.0 |
| 27.5° | 96.4 | 96.1 | 90.7 | 78.3 | 66.6 | 56.0 | 47.3 | 40.5 | 35.0 | 30.4 | 28.7 |
| 30° | 97.0 | 97.3 | 90.7 | 76.9 | 64.3 | 53.7 | 44.8 | 37.9 | 32.4 | 28.4 | 26.4 |
| 31° | 97.0 | 97.3 | 90.1 | 76.0 | 63.4 | 52.5 | 43.6 | 37.0 | 31.3 | 27.3 | 25.5 |
| 32.5° | 95.8 | 95.3 | 89.2 | 74.6 | 61.4 | 50.5 | 42.2 | 35.6 | 29.8 | 25.8 | 24.4 |
| 35° | 90.7 | 91.0 | 86.4 | 71.5 | 58.5 | 47.6 | 39.3 | 32.7 | 27.3 | 23.8 | 22.4 |
| 37.5° | 87.8 | 87.8 | 79.5 | 67.2 | 55.4 | 45.1 | 35.9 | 29.6 | 25.0 | 21.8 | 20.4 |
| 40° | 81.8 | 80.9 | 73.2 | 62.6 | 51.7 | 41.9 | 33.9 | 27.5 | 23.0 | 19.8 | 18.7 |
| 42.5° | 73.2 | 72.3 | 66.3 | 58.5 | 46.8 | 37.9 | 32.1 | 24.4 | 20.7 | 18.1 | 16.9 |
| 45° | 64.0 | 63.4 | 58.8 | 51.7 | 42.2 | 34.1 | 27.8 | 22.4 | 18.9 | 16.4 | 15.5 |
| 47.5° | 55.7 | 54.8 | 51.4 | 45.9 | 38.2 | 30.7 | 24.1 | 20.1 | 16.9 | 14.9 | 14.3 |
| 50° | 47.6 | 47.3 | 44.5 | 40.2 | 33.9 | 26.7 | 21.2 | 17.8 | 15.5 | 13.8 | 12.9 |
| 52.5° | 40.2 | 39.6 | 38.2 | 34.7 | 29.6 | 23.2 | 18.7 | 15.8 | 13.8 | 12.6 | 12.1 |
| 55° | 33.0 | 33.0 | 31.6 | 29.3 | 25.3 | 19.8 | 16.4 | 14.1 | 12.3 | 11.5 | 10.9 |
| 57.5° | 27.3 | 27.3 | 26.1 | 24.7 | 20.9 | 16.9 | 14.3 | 12.3 | 11.2 | 10.3 | 9.8 |
| 60° | 22.4 | 22.4 | 21.5 | 20.1 | 17.5 | 14.3 | 12.3 | 10.9 | 10.0 | 9.2 | 8.9 |
| 62.5° | 18.7 | 18.4 | 17.8 | 16.4 | 14.3 | 12.1 | 10.6 | 9.5 | 8.6 | 8.0 | 7.7 |
| 65° | 14.9 | 14.6 | 14.1 | 12.9 | 11.5 | 10.0 | 8.9 | 8.0 | 7.5 | 6.9 | 6.6 |
| 67.5° | 11.5 | 11.5 | 10.9 | 10.0 | 8.9 | 8.0 | 7.2 | 6.6 | 6.0 | 5.7 | 5.5 |
| 70° | 8.3 | 8.3 | 8.0 | 7.5 | 6.6 | 6.0 | 5.5 | 5.2 | 4.9 | 4.6 | 4.3 |
| 72.5° | 5.7 | 5.7 | 5.5 | 5.2 | 4.6 | 4.3 | 3.7 | 3.7 | 3.4 | 3.4 | 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° | 1.4 | 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 | 0.6 | 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 E3LCWW1LI_3000K

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 0° | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| 2.5° | 49.1 | 48.2 | 47.6 | 47.3 | 46.5 | 46.2 | 45.9 | 45.6 | 45.6 | 45.6 |
| 5° | 47.9 | 46.5 | 45.1 | 44.2 | 43.0 | 42.5 | 41.9 | 41.6 | 41.3 | 41.3 |
| 7.5° | 45.9 | 44.2 | 42.5 | 41.0 | 39.9 | 38.7 | 38.2 | 37.6 | 37.6 | 37.3 |
| 10° | 43.9 | 41.6 | 39.6 | 37.6 | 36.4 | 35.0 | 34.4 | 33.9 | 33.6 | 33.6 |
| 12.5° | 41.6 | 38.7 | 36.4 | 34.7 | 33.0 | 31.9 | 31.0 | 30.4 | 30.1 | 30.1 |
| 15° | 39.0 | 36.2 | 33.6 | 31.9 | 30.1 | 28.7 | 27.8 | 27.3 | 27.0 | 27.0 |
| 17.5° | 36.4 | 33.6 | 30.7 | 29.0 | 27.3 | 25.8 | 25.3 | 24.7 | 24.4 | 24.1 |
| 20° | 34.1 | 30.7 | 28.4 | 26.1 | 24.7 | 23.5 | 22.7 | 22.1 | 21.8 | 21.8 |
| 22.5° | 31.6 | 28.4 | 25.8 | 24.1 | 22.7 | 21.5 | 20.4 | 20.1 | 19.8 | 19.8 |
| 25° | 29.0 | 26.1 | 23.8 | 22.1 | 20.4 | 19.5 | 18.7 | 18.1 | 18.1 | 17.8 |
| 27.5° | 27.0 | 24.1 | 21.8 | 20.1 | 18.9 | 17.8 | 17.2 | 16.6 | 16.4 | 16.4 |
| 30° | 24.7 | 22.1 | 20.1 | 18.7 | 17.2 | 16.4 | 15.8 | 15.2 | 15.2 | 15.2 |
| 31° | 24.1 | 21.5 | 19.5 | 17.8 | 16.6 | 15.8 | 15.2 | 14.9 | 14.6 | 14.6 |
| 32.5° | 22.7 | 20.4 | 18.4 | 16.9 | 15.8 | 14.9 | 14.3 | 14.1 | 14.1 | 13.8 |
| 35° | 20.9 | 18.7 | 16.9 | 15.5 | 14.6 | 13.8 | 13.2 | 12.9 | 12.9 | 12.9 |
| 37.5° | 19.2 | 17.2 | 15.5 | 14.3 | 13.5 | 12.6 | 12.3 | 11.8 | 11.8 | 11.8 |
| 40° | 17.5 | 15.8 | 14.3 | 13.2 | 12.3 | 11.8 | 11.5 | 11.2 | 10.9 | 10.9 |
| 42.5° | 16.1 | 14.3 | 13.2 | 12.3 | 11.5 | 10.9 | 10.6 | 10.3 | 10.3 | 10.0 |
| 45° | 14.6 | 13.2 | 12.3 | 11.5 | 10.6 | 10.3 | 10.0 | 9.8 | 9.5 | 9.5 |
| 47.5° | 13.5 | 12.3 | 11.2 | 10.6 | 10.0 | 9.5 | 9.2 | 9.2 | 8.9 | 8.9 |
| 50° | 12.3 | 11.2 | 10.3 | 9.8 | 9.2 | 8.9 | 8.6 | 8.6 | 8.3 | 8.3 |
| 52.5° | 11.5 | 10.3 | 9.8 | 9.2 | 8.6 | 8.3 | 8.0 | 8.0 | 7.7 | 7.7 |
| 55° | 10.3 | 9.5 | 8.9 | 8.6 | 8.0 | 7.7 | 7.5 | 7.2 | 7.2 | 7.5 |
| 57.5° | 9.5 | 8.9 | 8.3 | 8.0 | 7.5 | 7.2 | 6.9 | 6.9 | 6.6 | 6.9 |
| 60° | 8.6 | 8.0 | 7.5 | 7.2 | 6.9 | 6.6 | 6.3 | 6.0 | 6.0 | 6.0 |
| 62.5° | 7.7 | 7.2 | 6.9 | 6.3 | 6.0 | 6.0 | 5.7 | 5.7 | 5.7 | 5.5 |
| 65° | 6.6 | 6.3 | 6.0 | 5.7 | 5.5 | 5.2 | 5.2 | 4.9 | 4.9 | 4.9 |
| 67.5° | 5.5 | 5.2 | 4.9 | 4.9 | 4.6 | 4.3 | 4.3 | 4.3 | 4.3 | 4.0 |
| 70° | 4.3 | 4.0 | 4.0 | 3.7 | 3.7 | 3.7 | 3.4 | 3.4 | 3.4 | 3.4 |
| 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 | 1.7 | 1.7 | 1.7 | 1.7 |
| 77.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 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)