

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 E3CLSWW1MMS_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 (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART02R70B2750DE010 E3CLSWW1MMS_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 80CRI , E3CLSWW1MMS TRIM
Light Source: -
Ballast/Driver: -

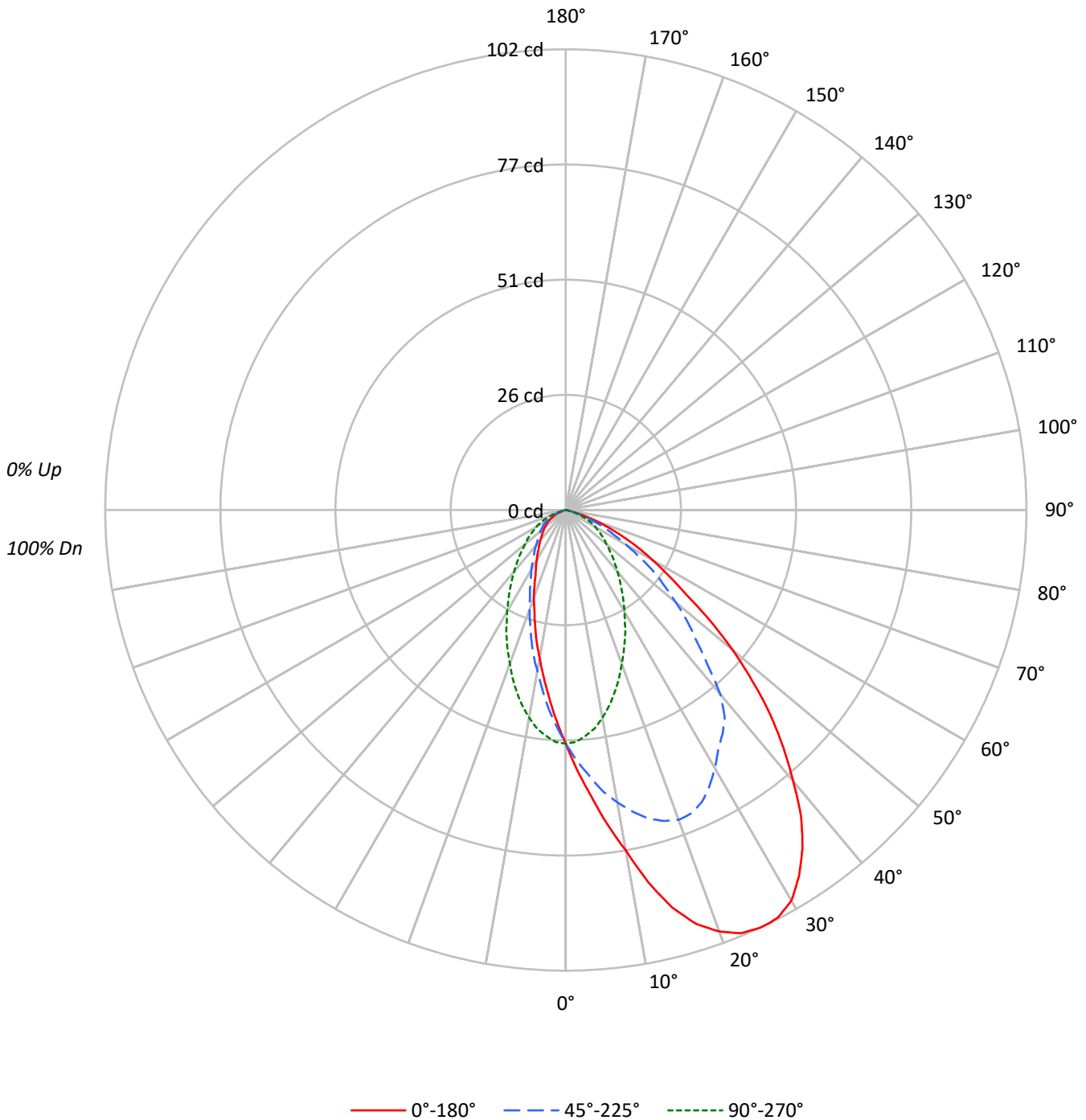
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 103.0 lumens
Efficiency: N/A
Efficacy: 35.5 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
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 E3CLSWW1MMS_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART02R70B2750DE010 E3CLSWW1MMS_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 | 100 | | | | |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 89 | | | | |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 85 | 81 | 85 | 82 | 80 | 78 | | | | |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 | | | | |
| 4 | 88 | 78 | 70 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | | | | |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 62 | 57 | 68 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 53 | | | | |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 51 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 47 | | | | |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | | | | |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 | | | | |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | | |
| 10 | 59 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 11337 | 11337 | 11337 | 11337 | 11337 |
| 5° | 13955 | 12987 | 11050 | 9707 | 9201 |
| 10° | 17034 | 14629 | 10398 | 8060 | 7415 |
| 15° | 20681 | 16050 | 9489 | 6697 | 5971 |
| 20° | 23172 | 17035 | 8447 | 5460 | 4830 |
| 25° | 24679 | 17251 | 7500 | 4524 | 3823 |
| 30° | 25295 | 16711 | 6583 | 3849 | 3266 |
| 35° | 24467 | 16195 | 5782 | 3293 | 2811 |
| 40° | 22413 | 15229 | 5095 | 2920 | 2519 |
| 45° | 19847 | 12683 | 4528 | 2729 | 2264 |
| 50° | 16443 | 10848 | 3991 | 2490 | 2081 |
| 55° | 12387 | 9061 | 3670 | 2332 | 1912 |
| 60° | 9736 | 6798 | 3333 | 2193 | 1667 |
| 65° | 7264 | 4981 | 2906 | 1816 | 1349 |
| 70° | 4680 | 3206 | 2052 | 1282 | 769 |
| 75° | 1949 | 1694 | 1017 | 508 | 254 |
| 80° | 379 | 379 | 0 | 0 | 0 |
| 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° | 4.9 | 4.8 |
| 10°-20° | 14.1 | 13.7 |
| 20°-30° | 20.6 | 20.0 |
| 30°-40° | 22.5 | 21.8 |
| 40°-50° | 19.5 | 18.9 |
| 50°-60° | 13.0 | 12.7 |
| 60°-70° | 6.7 | 6.5 |
| 70°-80° | 1.6 | 1.6 |
| 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° | 39.7 | 38.5 |
| 0°-40° | 62.2 | 60.3 |
| 0°-60° | 94.7 | 91.9 |
| 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° | 52 | 52 | 52 | 52 | 52 | |
| 5° | 63 | 59 | 50 | 44 | 42 | 6 |
| 15° | 91 | 71 | 42 | 30 | 26 | 26 |
| 25° | 102 | 71 | 31 | 19 | 16 | 47 |
| 35° | 91 | 60 | 22 | 12 | 10 | 57 |
| 45° | 64 | 41 | 15 | 9 | 7 | 49 |
| 55° | 32 | 24 | 10 | 6 | 5 | 30 |
| 65° | 14 | 10 | 6 | 4 | 3 | 14 |
| 75° | 2 | 2 | 1 | 1 | 0 | 3 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART02R70B2750DE010 E3CLSWW1MMS_4000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 0° | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 2.5° | 57.6 | 57.3 | 57.3 | 56.7 | 56.1 | 55.5 | 54.6 | 53.8 | 52.9 | 52.0 | 51.4 |
| 5° | 63.4 | 63.7 | 63.4 | 62.2 | 60.8 | 59.0 | 57.3 | 55.2 | 53.2 | 51.4 | 50.2 |
| 7.5° | 70.1 | 70.1 | 69.2 | 67.8 | 65.7 | 62.8 | 59.9 | 56.4 | 53.2 | 50.2 | 48.8 |
| 10° | 76.5 | 76.5 | 75.1 | 72.7 | 69.5 | 65.7 | 61.6 | 57.0 | 52.6 | 48.5 | 46.7 |
| 12.5° | 84.4 | 84.1 | 82.4 | 78.6 | 73.9 | 68.4 | 62.8 | 57.0 | 51.7 | 46.7 | 44.4 |
| 15° | 91.1 | 90.9 | 88.5 | 83.8 | 77.7 | 70.7 | 63.1 | 56.4 | 50.0 | 44.4 | 41.8 |
| 17.5° | 96.1 | 95.5 | 92.9 | 87.9 | 80.9 | 72.2 | 63.4 | 55.2 | 47.9 | 41.8 | 39.1 |
| 20° | 99.3 | 99.0 | 96.1 | 90.3 | 82.7 | 73.0 | 63.1 | 53.8 | 45.9 | 39.1 | 36.2 |
| 22.5° | 101.4 | 100.8 | 97.9 | 91.4 | 82.7 | 72.7 | 61.9 | 51.7 | 43.2 | 36.5 | 33.6 |
| 25° | 102.0 | 101.7 | 98.2 | 91.1 | 81.8 | 71.3 | 60.2 | 49.7 | 40.6 | 33.9 | 31.0 |
| 26° | 102.0 | 101.7 | 98.2 | 90.9 | 81.2 | 70.4 | 59.3 | 48.8 | 39.7 | 32.7 | 30.1 |
| 27.5° | 101.7 | 101.4 | 97.6 | 90.0 | 80.0 | 68.9 | 57.6 | 47.0 | 38.0 | 31.3 | 28.3 |
| 30° | 99.9 | 99.3 | 95.5 | 87.9 | 77.4 | 66.0 | 54.6 | 44.4 | 35.3 | 28.6 | 26.0 |
| 32.5° | 96.1 | 95.5 | 91.4 | 84.4 | 74.5 | 62.8 | 51.4 | 41.5 | 32.7 | 26.0 | 23.7 |
| 35° | 91.4 | 90.9 | 86.8 | 80.0 | 70.4 | 60.5 | 47.9 | 38.3 | 29.8 | 24.0 | 21.6 |
| 37.5° | 85.6 | 84.7 | 81.2 | 74.2 | 65.4 | 57.8 | 45.0 | 35.1 | 27.2 | 21.6 | 19.6 |
| 40° | 78.3 | 78.0 | 74.8 | 68.4 | 59.6 | 53.2 | 43.2 | 35.1 | 24.8 | 19.6 | 17.8 |
| 42.5° | 71.3 | 70.7 | 67.8 | 62.2 | 54.3 | 46.4 | 38.0 | 33.6 | 23.1 | 17.5 | 16.1 |
| 45° | 64.0 | 63.4 | 60.8 | 56.1 | 48.8 | 40.9 | 40.9 | 28.9 | 19.9 | 16.1 | 14.6 |
| 47.5° | 56.1 | 55.5 | 53.5 | 50.0 | 43.5 | 36.5 | 29.8 | 23.7 | 18.1 | 14.3 | 13.1 |
| 50° | 48.2 | 48.5 | 46.7 | 43.2 | 38.3 | 31.8 | 25.7 | 19.9 | 15.5 | 12.9 | 11.7 |
| 52.5° | 40.3 | 40.0 | 38.9 | 36.5 | 33.0 | 27.5 | 21.9 | 16.9 | 13.4 | 11.4 | 10.8 |
| 55° | 32.4 | 32.7 | 32.1 | 30.7 | 27.8 | 23.7 | 18.4 | 14.6 | 12.0 | 10.2 | 9.6 |
| 57.5° | 26.9 | 27.2 | 26.0 | 25.1 | 22.8 | 19.3 | 15.2 | 12.3 | 10.2 | 9.1 | 8.5 |
| 60° | 22.2 | 22.5 | 21.6 | 20.4 | 18.7 | 15.5 | 12.3 | 10.2 | 9.1 | 8.2 | 7.6 |
| 62.5° | 18.1 | 17.8 | 17.2 | 16.1 | 14.6 | 12.3 | 9.9 | 8.5 | 7.6 | 7.0 | 6.7 |
| 65° | 14.0 | 14.0 | 13.4 | 12.6 | 11.4 | 9.6 | 7.9 | 7.0 | 6.4 | 5.8 | 5.6 |
| 67.5° | 10.5 | 10.5 | 9.9 | 9.3 | 8.2 | 7.0 | 6.1 | 5.6 | 5.3 | 4.7 | 4.4 |
| 70° | 7.3 | 7.3 | 7.0 | 6.7 | 5.8 | 5.0 | 4.7 | 4.1 | 3.8 | 3.5 | 3.2 |
| 72.5° | 4.7 | 4.7 | 4.7 | 4.1 | 3.8 | 3.2 | 3.2 | 2.9 | 2.6 | 2.3 | 2.3 |
| 75° | 2.3 | 2.6 | 2.3 | 2.3 | 2.0 | 2.0 | 1.8 | 1.8 | 1.5 | 1.5 | 1.2 |
| 77.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 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 |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART02R70B2750DE010 E3CLSWW1MMS_4000K

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 0° | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 2.5° | 50.8 | 50.0 | 49.4 | 48.5 | 47.9 | 47.3 | 47.0 | 46.7 | 46.7 | 46.7 |
| 5° | 49.4 | 47.9 | 46.4 | 45.0 | 44.1 | 43.2 | 42.4 | 42.1 | 41.8 | 41.8 |
| 7.5° | 47.6 | 45.3 | 43.2 | 41.5 | 40.0 | 39.1 | 38.3 | 37.7 | 37.4 | 37.4 |
| 10° | 45.3 | 42.4 | 40.0 | 37.7 | 36.2 | 35.1 | 34.5 | 33.6 | 33.6 | 33.3 |
| 12.5° | 42.7 | 39.1 | 36.5 | 34.5 | 33.0 | 31.6 | 30.7 | 30.1 | 29.8 | 29.8 |
| 15° | 39.7 | 36.2 | 33.3 | 31.0 | 29.5 | 28.0 | 27.2 | 26.6 | 26.3 | 26.3 |
| 17.5° | 36.8 | 33.0 | 30.1 | 27.8 | 26.3 | 24.8 | 24.0 | 23.4 | 23.4 | 23.1 |
| 20° | 33.9 | 30.1 | 27.2 | 24.8 | 23.4 | 22.2 | 21.3 | 20.7 | 20.4 | 20.7 |
| 22.5° | 31.3 | 27.5 | 24.5 | 22.5 | 20.7 | 19.6 | 18.7 | 18.4 | 18.1 | 18.1 |
| 25° | 28.3 | 24.8 | 22.2 | 20.2 | 18.7 | 17.5 | 16.7 | 16.4 | 16.1 | 15.8 |
| 26° | 27.5 | 24.0 | 21.3 | 19.3 | 17.8 | 16.7 | 16.1 | 15.5 | 15.2 | 15.2 |
| 27.5° | 26.3 | 22.5 | 20.2 | 18.1 | 16.7 | 15.8 | 14.9 | 14.6 | 14.3 | 14.3 |
| 30° | 23.7 | 20.4 | 18.1 | 16.4 | 15.2 | 14.0 | 13.4 | 13.1 | 12.9 | 12.9 |
| 32.5° | 21.6 | 18.4 | 16.4 | 14.9 | 13.7 | 12.9 | 12.3 | 11.7 | 11.7 | 11.7 |
| 35° | 19.6 | 16.7 | 14.9 | 13.4 | 12.3 | 11.4 | 11.1 | 10.8 | 10.5 | 10.5 |
| 37.5° | 17.8 | 15.2 | 13.4 | 12.3 | 11.4 | 10.5 | 9.9 | 9.6 | 9.6 | 9.6 |
| 40° | 16.1 | 14.0 | 12.3 | 11.1 | 10.2 | 9.6 | 9.1 | 8.8 | 8.8 | 8.8 |
| 42.5° | 14.6 | 12.6 | 11.4 | 10.2 | 9.3 | 8.8 | 8.5 | 8.2 | 7.9 | 7.9 |
| 45° | 13.4 | 11.7 | 10.2 | 9.3 | 8.8 | 8.2 | 7.6 | 7.3 | 7.3 | 7.3 |
| 47.5° | 12.0 | 10.8 | 9.3 | 8.5 | 7.9 | 7.3 | 7.0 | 6.7 | 6.7 | 6.7 |
| 50° | 11.1 | 9.9 | 8.8 | 7.9 | 7.3 | 6.7 | 6.4 | 6.1 | 6.1 | 6.1 |
| 52.5° | 9.9 | 9.1 | 8.2 | 7.3 | 6.7 | 6.1 | 5.8 | 5.6 | 5.6 | 5.6 |
| 55° | 9.1 | 8.2 | 7.3 | 6.7 | 6.1 | 5.6 | 5.3 | 5.0 | 5.0 | 5.0 |
| 57.5° | 8.2 | 7.3 | 6.7 | 6.1 | 5.6 | 5.3 | 4.7 | 4.7 | 4.4 | 4.4 |
| 60° | 7.3 | 6.4 | 5.8 | 5.6 | 5.0 | 4.7 | 4.1 | 3.8 | 3.8 | 3.8 |
| 62.5° | 6.1 | 5.8 | 5.3 | 4.7 | 4.1 | 3.8 | 3.5 | 3.2 | 3.2 | 3.2 |
| 65° | 5.3 | 5.0 | 4.4 | 3.8 | 3.5 | 3.2 | 2.9 | 2.6 | 2.6 | 2.6 |
| 67.5° | 4.4 | 3.8 | 3.5 | 3.2 | 2.9 | 2.6 | 2.3 | 2.0 | 1.8 | 2.0 |
| 70° | 3.2 | 2.9 | 2.6 | 2.3 | 2.0 | 1.8 | 1.5 | 1.5 | 1.2 | 1.2 |
| 72.5° | 2.0 | 1.8 | 1.8 | 1.5 | 1.2 | 1.2 | 0.9 | 0.9 | 0.6 | 0.6 |
| 75° | 1.2 | 1.2 | 0.9 | 0.9 | 0.6 | 0.6 | 0.3 | 0.3 | 0.3 | 0.3 |
| 77.5° | 0.6 | 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)