

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: P3ART05R70B2750DE010 E3CLSWW1MMS_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 (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART05R70B2750DE010 E3CLSWW1MMS_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3CLSWW1MMS TRIM
Light Source: -
Ballast/Driver: -

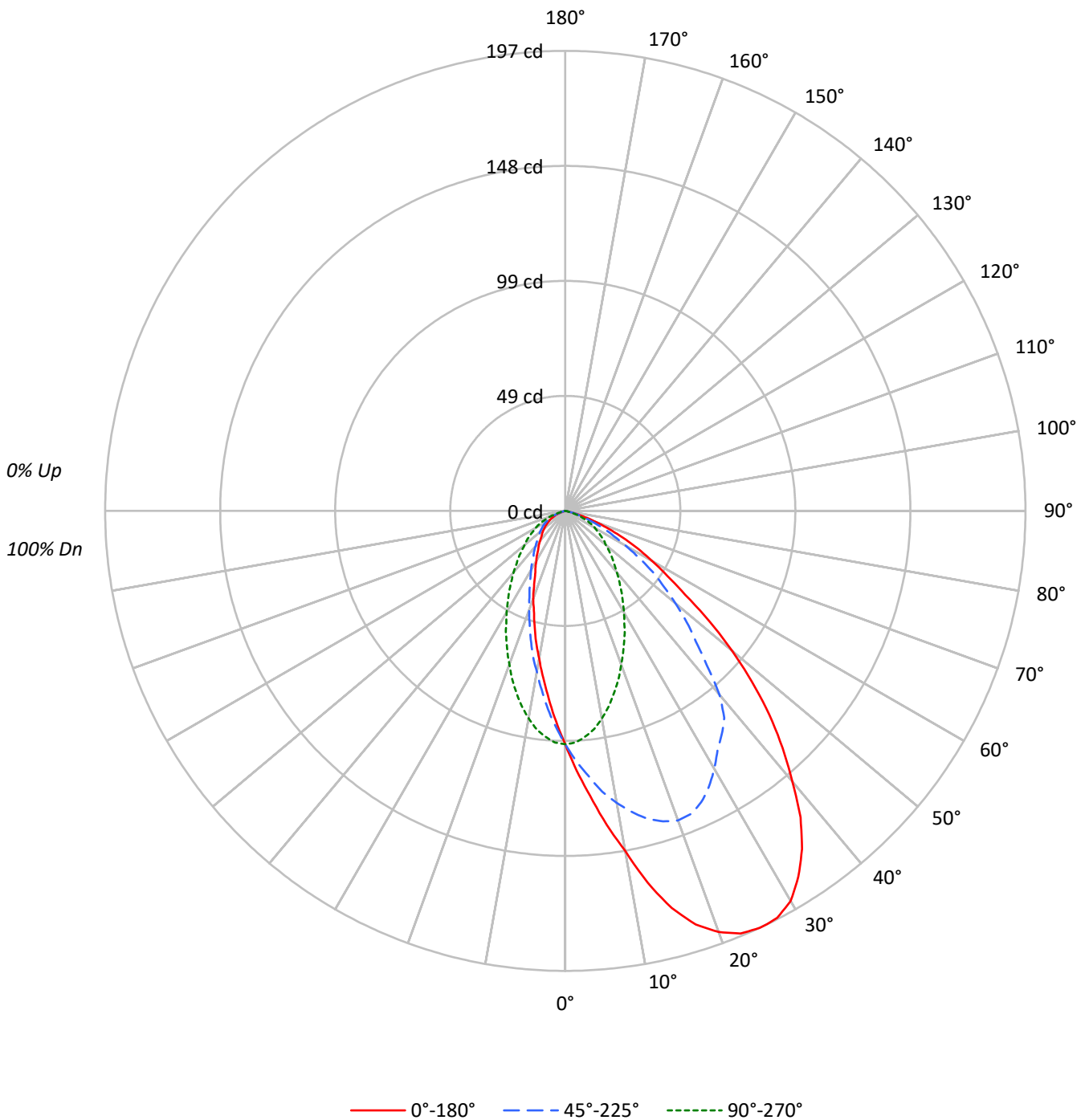
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 199.0 lumens
Efficiency: N/A
Efficacy: 33.7 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): 5.9
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: P3ART05R70B2750DE010 E3CLSWW1MMS_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART05R70B2750DE010 E3CLSWW1MMS_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 | 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 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 91 | 91 | 91 | 89 |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 85 | 81 | 85 | 82 | 80 | 80 | 80 | 80 | 78 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 70 | 70 | 70 | 68 |
| 4 | 88 | 78 | 70 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 62 | 62 | 62 | 60 |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 62 | 57 | 68 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 55 | 55 | 55 | 53 |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 51 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 49 | 49 | 49 | 47 |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 44 | 44 | 44 | 43 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 40 | 40 | 40 | 39 |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 37 | 37 | 37 | 35 |
| 10 | 59 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 34 | 34 | 34 | 32 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 21906 | 21906 | 21906 | 21906 | 21906 |
| 5° | 26964 | 25093 | 21373 | 18754 | 17764 |
| 10° | 32932 | 28278 | 20107 | 15586 | 14317 |
| 15° | 39978 | 31010 | 18320 | 12940 | 11532 |
| 20° | 44781 | 32926 | 16335 | 10548 | 9357 |
| 25° | 47664 | 33316 | 14469 | 8734 | 7379 |
| 30° | 48868 | 32309 | 12711 | 7419 | 6279 |
| 35° | 47301 | 31266 | 11190 | 6344 | 5434 |
| 40° | 43310 | 29398 | 9847 | 5668 | 4838 |
| 45° | 38330 | 24499 | 8745 | 5241 | 4373 |
| 50° | 31760 | 20980 | 7710 | 4810 | 4060 |
| 55° | 23970 | 17471 | 7111 | 4549 | 3670 |
| 60° | 18814 | 13113 | 6447 | 4210 | 3201 |
| 65° | 14061 | 9651 | 5552 | 3528 | 2646 |
| 70° | 9040 | 6155 | 3975 | 2565 | 1475 |
| 75° | 3813 | 3389 | 1949 | 932 | 508 |
| 80° | 758 | 758 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 38330 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 9.5 | 4.8 |
| 10°-20° | 27.3 | 13.7 |
| 20°-30° | 39.9 | 20.0 |
| 30°-40° | 43.5 | 21.8 |
| 40°-50° | 37.6 | 18.9 |
| 50°-60° | 25.2 | 12.7 |
| 60°-70° | 13.0 | 6.5 |
| 70°-80° | 3.1 | 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° | 76.6 | 38.5 |
| 0°-40° | 120.1 | 60.3 |
| 0°-60° | 182.9 | 91.9 |
| 0°-90° | 199.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 199.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 100 | 100 | 100 | 100 | 100 | |
| 5° | 122 | 114 | 97 | 85 | 81 | 12 |
| 15° | 176 | 137 | 81 | 57 | 51 | 50 |
| 25° | 197 | 138 | 60 | 36 | 30 | 90 |
| 35° | 177 | 117 | 42 | 24 | 20 | 109 |
| 45° | 124 | 79 | 28 | 17 | 14 | 95 |
| 55° | 63 | 46 | 19 | 12 | 10 | 58 |
| 65° | 27 | 19 | 11 | 7 | 5 | 27 |
| 75° | 4 | 4 | 2 | 1 | 1 | 6 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART05R70B2750DE010 E3CLSWW1MMS_3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 0° | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 2.5° | 111.2 | 110.6 | 110.6 | 109.5 | 108.4 | 107.2 | 105.5 | 103.9 | 102.2 | 100.5 | 99.3 |
| 5° | 122.5 | 123.0 | 122.5 | 120.2 | 117.4 | 114.0 | 110.6 | 106.7 | 102.7 | 99.3 | 97.1 |
| 7.5° | 135.5 | 135.5 | 133.8 | 130.9 | 127.0 | 121.3 | 115.7 | 108.9 | 102.7 | 97.1 | 94.3 |
| 10° | 147.9 | 147.9 | 145.1 | 140.5 | 134.3 | 127.0 | 119.1 | 110.1 | 101.6 | 93.7 | 90.3 |
| 12.5° | 163.1 | 162.6 | 159.2 | 151.8 | 142.8 | 132.1 | 121.3 | 110.1 | 99.9 | 90.3 | 85.8 |
| 15° | 176.1 | 175.5 | 171.0 | 162.0 | 150.1 | 136.6 | 121.9 | 108.9 | 96.5 | 85.8 | 80.7 |
| 17.5° | 185.7 | 184.6 | 179.5 | 169.9 | 156.3 | 139.4 | 122.5 | 106.7 | 92.6 | 80.7 | 75.6 |
| 20° | 191.9 | 191.3 | 185.7 | 174.4 | 159.7 | 141.1 | 121.9 | 103.9 | 88.6 | 75.6 | 70.0 |
| 22.5° | 195.9 | 194.7 | 189.1 | 176.7 | 159.7 | 140.5 | 119.7 | 99.9 | 83.5 | 70.6 | 64.9 |
| 25° | 197.0 | 196.4 | 189.6 | 176.1 | 158.0 | 137.7 | 116.3 | 96.0 | 78.5 | 65.5 | 59.8 |
| 26° | 197.0 | 196.4 | 189.6 | 175.5 | 156.9 | 136.0 | 114.6 | 94.3 | 76.8 | 63.2 | 58.1 |
| 27.5° | 196.4 | 195.9 | 188.5 | 173.8 | 154.7 | 133.2 | 111.2 | 90.9 | 73.4 | 60.4 | 54.7 |
| 30° | 193.0 | 191.9 | 184.6 | 169.9 | 149.6 | 127.6 | 105.5 | 85.8 | 68.3 | 55.3 | 50.2 |
| 32.5° | 185.7 | 184.6 | 176.7 | 163.1 | 143.9 | 121.3 | 99.3 | 80.1 | 63.2 | 50.2 | 45.7 |
| 35° | 176.7 | 175.5 | 167.6 | 154.7 | 136.0 | 116.8 | 92.6 | 73.9 | 57.6 | 46.3 | 41.8 |
| 37.5° | 165.4 | 163.7 | 156.9 | 143.4 | 126.4 | 111.8 | 86.9 | 67.7 | 52.5 | 41.8 | 37.8 |
| 40° | 151.3 | 150.7 | 144.5 | 132.1 | 115.1 | 102.7 | 83.5 | 67.7 | 48.0 | 37.8 | 34.4 |
| 42.5° | 137.7 | 136.6 | 130.9 | 120.2 | 105.0 | 89.7 | 73.4 | 64.9 | 44.6 | 33.9 | 31.0 |
| 45° | 123.6 | 122.5 | 117.4 | 108.4 | 94.3 | 79.0 | 79.0 | 55.9 | 38.4 | 31.0 | 28.2 |
| 47.5° | 108.4 | 107.2 | 103.3 | 96.5 | 84.1 | 70.6 | 57.6 | 45.7 | 35.0 | 27.7 | 25.4 |
| 50° | 93.1 | 93.7 | 90.3 | 83.5 | 73.9 | 61.5 | 49.7 | 38.4 | 29.9 | 24.8 | 22.6 |
| 52.5° | 77.9 | 77.3 | 75.1 | 70.6 | 63.8 | 53.1 | 42.3 | 32.7 | 26.0 | 22.0 | 20.9 |
| 55° | 62.7 | 63.2 | 62.1 | 59.3 | 53.6 | 45.7 | 35.6 | 28.2 | 23.1 | 19.8 | 18.6 |
| 57.5° | 51.9 | 52.5 | 50.2 | 48.5 | 44.0 | 37.3 | 29.3 | 23.7 | 19.8 | 17.5 | 16.4 |
| 60° | 42.9 | 43.5 | 41.8 | 39.5 | 36.1 | 29.9 | 23.7 | 19.8 | 17.5 | 15.8 | 14.7 |
| 62.5° | 35.0 | 34.4 | 33.3 | 31.0 | 28.2 | 23.7 | 19.2 | 16.4 | 14.7 | 13.5 | 13.0 |
| 65° | 27.1 | 27.1 | 26.0 | 24.3 | 22.0 | 18.6 | 15.2 | 13.5 | 12.4 | 11.3 | 10.7 |
| 67.5° | 20.3 | 20.3 | 19.2 | 18.1 | 15.8 | 13.5 | 11.9 | 10.7 | 10.2 | 9.0 | 8.5 |
| 70° | 14.1 | 14.1 | 13.5 | 13.0 | 11.3 | 9.6 | 9.0 | 7.9 | 7.3 | 6.8 | 6.2 |
| 72.5° | 9.0 | 9.0 | 9.0 | 7.9 | 7.3 | 6.2 | 6.2 | 5.6 | 5.1 | 4.5 | 4.5 |
| 75° | 4.5 | 5.1 | 4.5 | 4.5 | 4.0 | 4.0 | 3.4 | 3.4 | 2.8 | 2.8 | 2.3 |
| 77.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 80° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 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: P3ART05R70B2750DE010 E3CLSWW1MMS_3000K

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 0° | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 2.5° | 98.2 | 96.5 | 95.4 | 93.7 | 92.6 | 91.4 | 90.9 | 90.3 | 90.3 | 90.3 |
| 5° | 95.4 | 92.6 | 89.7 | 86.9 | 85.2 | 83.5 | 81.8 | 81.3 | 80.7 | 80.7 |
| 7.5° | 92.0 | 87.5 | 83.5 | 80.1 | 77.3 | 75.6 | 73.9 | 72.8 | 72.2 | 72.2 |
| 10° | 87.5 | 81.8 | 77.3 | 72.8 | 70.0 | 67.7 | 66.6 | 64.9 | 64.9 | 64.3 |
| 12.5° | 82.4 | 75.6 | 70.6 | 66.6 | 63.8 | 61.0 | 59.3 | 58.1 | 57.6 | 57.6 |
| 15° | 76.8 | 70.0 | 64.3 | 59.8 | 57.0 | 54.2 | 52.5 | 51.4 | 50.8 | 50.8 |
| 17.5° | 71.1 | 63.8 | 58.1 | 53.6 | 50.8 | 48.0 | 46.3 | 45.2 | 45.2 | 44.6 |
| 20° | 65.5 | 58.1 | 52.5 | 48.0 | 45.2 | 42.9 | 41.2 | 40.1 | 39.5 | 40.1 |
| 22.5° | 60.4 | 53.1 | 47.4 | 43.5 | 40.1 | 37.8 | 36.1 | 35.6 | 35.0 | 35.0 |
| 25° | 54.7 | 48.0 | 42.9 | 38.9 | 36.1 | 33.9 | 32.2 | 31.6 | 31.0 | 30.5 |
| 26° | 53.1 | 46.3 | 41.2 | 37.3 | 34.4 | 32.2 | 31.0 | 29.9 | 29.3 | 29.3 |
| 27.5° | 50.8 | 43.5 | 38.9 | 35.0 | 32.2 | 30.5 | 28.8 | 28.2 | 27.7 | 27.7 |
| 30° | 45.7 | 39.5 | 35.0 | 31.6 | 29.3 | 27.1 | 26.0 | 25.4 | 24.8 | 24.8 |
| 32.5° | 41.8 | 35.6 | 31.6 | 28.8 | 26.5 | 24.8 | 23.7 | 22.6 | 22.6 | 22.6 |
| 35° | 37.8 | 32.2 | 28.8 | 26.0 | 23.7 | 22.0 | 21.4 | 20.9 | 20.3 | 20.3 |
| 37.5° | 34.4 | 29.3 | 26.0 | 23.7 | 22.0 | 20.3 | 19.2 | 18.6 | 18.6 | 18.6 |
| 40° | 31.0 | 27.1 | 23.7 | 21.4 | 19.8 | 18.6 | 17.5 | 16.9 | 16.9 | 16.9 |
| 42.5° | 28.2 | 24.3 | 22.0 | 19.8 | 18.1 | 16.9 | 16.4 | 15.8 | 15.2 | 15.2 |
| 45° | 26.0 | 22.6 | 19.8 | 18.1 | 16.9 | 15.8 | 14.7 | 14.1 | 14.1 | 14.1 |
| 47.5° | 23.1 | 20.9 | 18.1 | 16.4 | 15.2 | 14.1 | 13.5 | 13.0 | 13.0 | 13.0 |
| 50° | 21.4 | 19.2 | 16.9 | 15.2 | 14.1 | 13.0 | 12.4 | 11.9 | 11.9 | 11.9 |
| 52.5° | 19.2 | 17.5 | 15.8 | 14.1 | 13.0 | 11.9 | 11.3 | 10.7 | 10.7 | 10.7 |
| 55° | 17.5 | 15.8 | 14.1 | 13.0 | 11.9 | 10.7 | 10.2 | 9.6 | 9.6 | 9.6 |
| 57.5° | 15.8 | 14.1 | 13.0 | 11.9 | 10.7 | 10.2 | 9.0 | 9.0 | 8.5 | 8.5 |
| 60° | 14.1 | 12.4 | 11.3 | 10.7 | 9.6 | 9.0 | 7.9 | 7.3 | 7.3 | 7.3 |
| 62.5° | 11.9 | 11.3 | 10.2 | 9.0 | 7.9 | 7.3 | 6.8 | 6.2 | 6.2 | 6.2 |
| 65° | 10.2 | 9.6 | 8.5 | 7.3 | 6.8 | 6.2 | 5.6 | 5.1 | 5.1 | 5.1 |
| 67.5° | 8.5 | 7.3 | 6.8 | 6.2 | 5.6 | 5.1 | 4.5 | 4.0 | 3.4 | 4.0 |
| 70° | 6.2 | 5.6 | 5.1 | 4.5 | 4.0 | 3.4 | 2.8 | 2.8 | 2.3 | 2.3 |
| 72.5° | 4.0 | 3.4 | 3.4 | 2.8 | 2.3 | 2.3 | 1.7 | 1.7 | 1.1 | 1.1 |
| 75° | 2.3 | 2.3 | 1.7 | 1.7 | 1.1 | 1.1 | 0.6 | 0.6 | 0.6 | 0.6 |
| 77.5° | 1.1 | 0.6 | 0.6 | 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)