

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: P3ART13R70W2N902765DE010 E3LSWW1LI_2700K

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: P3ART13R70W2N902765DE010 E3LSWW1LI_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
E3LSWW1LI TRIM
Light Source: -
Ballast/Driver: -

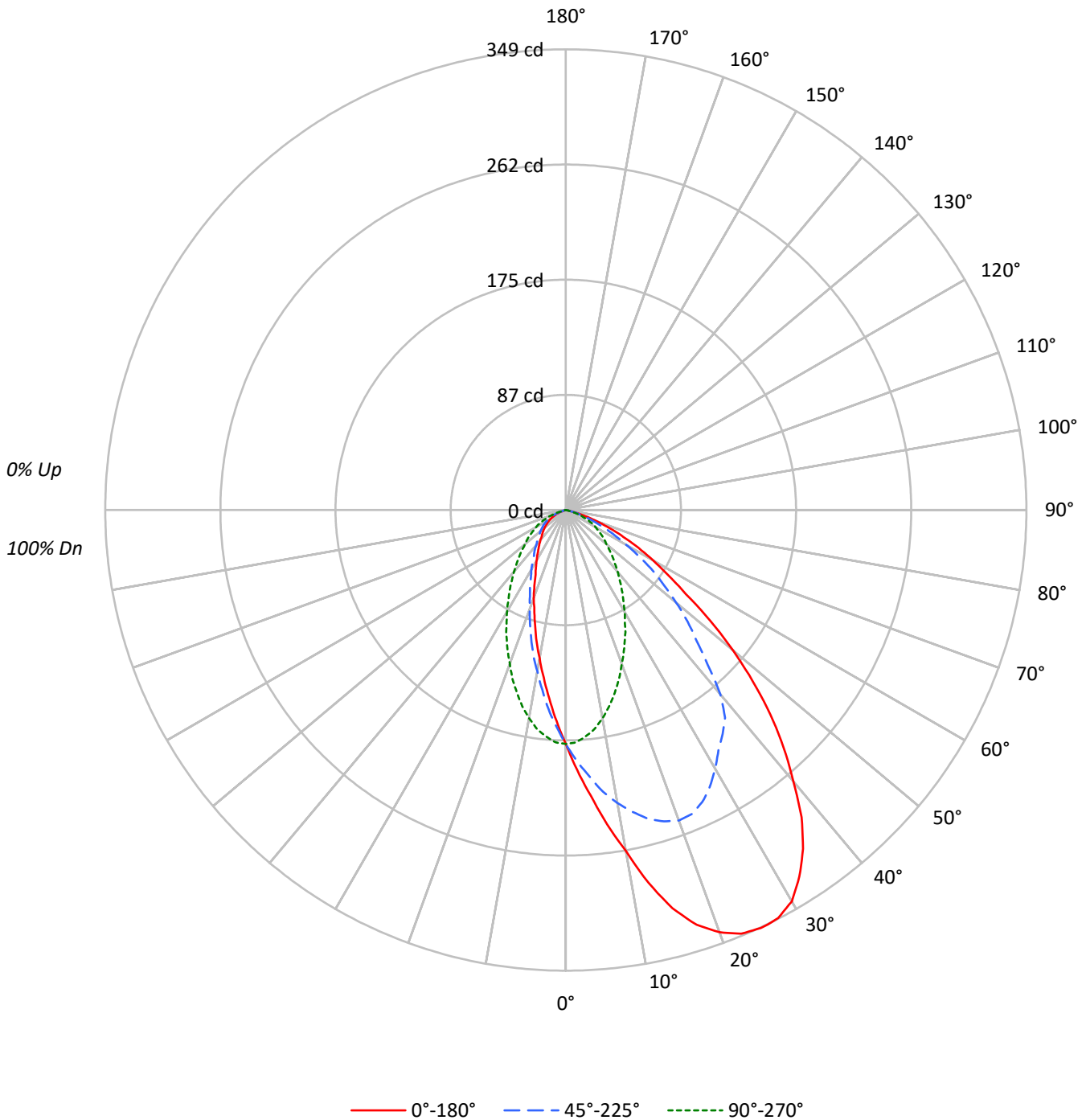
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 353.0 lumens
Efficiency: N/A
Efficacy: 28.7 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): 12.3
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: P3ART13R70W2N902765DE010 E3LSWW1LI_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART13R70W2N902765DE010 E3LSWW1LI_2700K

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 | 90 | 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° | 38857 | 38857 | 38857 | 38857 | 38857 |
| 5° | 47832 | 44508 | 37904 | 33282 | 31521 |
| 10° | 58405 | 50166 | 35671 | 27633 | 25406 |
| 15° | 70920 | 55006 | 32509 | 22951 | 20454 |
| 20° | 79434 | 58408 | 28959 | 18692 | 16591 |
| 25° | 84537 | 59108 | 25671 | 15509 | 13089 |
| 30° | 86697 | 57300 | 22560 | 13192 | 11166 |
| 35° | 83895 | 55466 | 19836 | 11270 | 9637 |
| 40° | 76801 | 52155 | 17490 | 10019 | 8588 |
| 45° | 68007 | 43477 | 15536 | 9303 | 7753 |
| 50° | 56356 | 37218 | 13646 | 8529 | 7164 |
| 55° | 42474 | 31005 | 12616 | 8028 | 6499 |
| 60° | 33375 | 23288 | 11403 | 7456 | 5701 |
| 65° | 24957 | 17122 | 9858 | 6226 | 4670 |
| 70° | 16028 | 10899 | 7052 | 4488 | 2565 |
| 75° | 6778 | 5931 | 3389 | 1694 | 847 |
| 80° | 1263 | 1263 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 68007 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 16.8 | 4.8 |
| 10°-20° | 48.4 | 13.7 |
| 20°-30° | 70.7 | 20.0 |
| 30°-40° | 77.1 | 21.8 |
| 40°-50° | 66.7 | 18.9 |
| 50°-60° | 44.7 | 12.7 |
| 60°-70° | 23.1 | 6.5 |
| 70°-80° | 5.5 | 1.5 |
| 80°-90° | 0.1 | 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° | 135.9 | 38.5 |
| 0°-40° | 213.0 | 60.4 |
| 0°-60° | 324.4 | 91.9 |
| 0°-90° | 353.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 353.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 177 | 177 | 177 | 177 | 177 | |
| 5° | 217 | 202 | 172 | 151 | 143 | 22 |
| 15° | 312 | 242 | 143 | 101 | 90 | 88 |
| 25° | 349 | 244 | 106 | 64 | 54 | 161 |
| 35° | 313 | 207 | 74 | 42 | 36 | 194 |
| 45° | 219 | 140 | 50 | 30 | 25 | 168 |
| 55° | 111 | 81 | 33 | 21 | 17 | 103 |
| 65° | 48 | 33 | 19 | 12 | 9 | 48 |
| 75° | 8 | 7 | 4 | 2 | 1 | 10 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R70W2N902765DE010 E3LSWW1LI_2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 177.2 | 177.2 | 177.2 | 177.2 | 177.2 | 177.2 | 177.2 | 177.2 | 177.2 | 177.2 | 177.2 |
| 2.5° | 197.2 | 196.2 | 196.2 | 194.2 | 192.2 | 190.2 | 187.2 | 184.2 | 181.2 | 178.2 | 176.2 |
| 5° | 217.3 | 218.3 | 217.3 | 213.3 | 208.2 | 202.2 | 196.2 | 189.2 | 182.2 | 176.2 | 172.2 |
| 7.5° | 240.3 | 240.3 | 237.3 | 232.3 | 225.3 | 215.3 | 205.2 | 193.2 | 182.2 | 172.2 | 167.2 |
| 10° | 262.3 | 262.3 | 257.3 | 249.3 | 238.3 | 225.3 | 211.3 | 195.2 | 180.2 | 166.2 | 160.2 |
| 12.5° | 289.3 | 288.3 | 282.3 | 269.3 | 253.3 | 234.3 | 215.3 | 195.2 | 177.2 | 160.2 | 152.2 |
| 15° | 312.4 | 311.4 | 303.4 | 287.3 | 266.3 | 242.3 | 216.3 | 193.2 | 171.2 | 152.2 | 143.2 |
| 17.5° | 329.4 | 327.4 | 318.4 | 301.4 | 277.3 | 247.3 | 217.3 | 189.2 | 164.2 | 143.2 | 134.2 |
| 20° | 340.4 | 339.4 | 329.4 | 309.4 | 283.3 | 250.3 | 216.3 | 184.2 | 157.2 | 134.2 | 124.1 |
| 22.5° | 347.4 | 345.4 | 335.4 | 313.4 | 283.3 | 249.3 | 212.3 | 177.2 | 148.2 | 125.2 | 115.1 |
| 25° | 349.4 | 348.4 | 336.4 | 312.4 | 280.3 | 244.3 | 206.2 | 170.2 | 139.2 | 116.1 | 106.1 |
| 26° | 349.4 | 348.4 | 336.4 | 311.4 | 278.3 | 241.3 | 203.2 | 167.2 | 136.2 | 112.1 | 103.1 |
| 27.5° | 348.4 | 347.4 | 334.4 | 308.4 | 274.3 | 236.3 | 197.2 | 161.2 | 130.2 | 107.1 | 97.1 |
| 30° | 342.4 | 340.4 | 327.4 | 301.4 | 265.3 | 226.3 | 187.2 | 152.2 | 121.1 | 98.1 | 89.1 |
| 32.5° | 329.4 | 327.4 | 313.4 | 289.3 | 255.3 | 215.3 | 176.2 | 142.2 | 112.1 | 89.1 | 81.1 |
| 35° | 313.4 | 311.4 | 297.4 | 274.3 | 241.3 | 207.2 | 164.2 | 131.2 | 102.1 | 82.1 | 74.1 |
| 37.5° | 293.4 | 290.3 | 278.3 | 254.3 | 224.3 | 198.2 | 154.2 | 120.1 | 93.1 | 74.1 | 67.1 |
| 40° | 268.3 | 267.3 | 256.3 | 234.3 | 204.2 | 182.2 | 148.2 | 120.1 | 85.1 | 67.1 | 61.1 |
| 42.5° | 244.3 | 242.3 | 232.3 | 213.3 | 186.2 | 159.2 | 130.2 | 115.1 | 79.1 | 60.1 | 55.1 |
| 45° | 219.3 | 217.3 | 208.2 | 192.2 | 167.2 | 140.2 | 115.1 | 99.1 | 68.1 | 55.1 | 50.1 |
| 47.5° | 192.2 | 190.2 | 183.2 | 171.2 | 149.2 | 125.2 | 102.1 | 81.1 | 62.1 | 49.1 | 45.1 |
| 50° | 165.2 | 166.2 | 160.2 | 148.2 | 131.2 | 109.1 | 88.1 | 68.1 | 53.1 | 44.1 | 40.0 |
| 52.5° | 138.2 | 137.2 | 133.2 | 125.2 | 113.1 | 94.1 | 75.1 | 58.1 | 46.1 | 39.0 | 37.0 |
| 55° | 111.1 | 112.1 | 110.1 | 105.1 | 95.1 | 81.1 | 63.1 | 50.1 | 41.0 | 35.0 | 33.0 |
| 57.5° | 92.1 | 93.1 | 89.1 | 86.1 | 78.1 | 66.1 | 52.1 | 42.1 | 35.0 | 31.0 | 29.0 |
| 60° | 76.1 | 77.1 | 74.1 | 70.1 | 64.1 | 53.1 | 42.1 | 35.0 | 31.0 | 28.0 | 26.0 |
| 62.5° | 62.1 | 61.1 | 59.1 | 55.1 | 50.1 | 42.1 | 34.0 | 29.0 | 26.0 | 24.0 | 23.0 |
| 65° | 48.1 | 48.1 | 46.1 | 43.1 | 39.0 | 33.0 | 27.0 | 24.0 | 22.0 | 20.0 | 19.0 |
| 67.5° | 36.0 | 36.0 | 34.0 | 32.0 | 28.0 | 24.0 | 21.0 | 19.0 | 18.0 | 16.0 | 15.0 |
| 70° | 25.0 | 25.0 | 24.0 | 23.0 | 20.0 | 17.0 | 16.0 | 14.0 | 13.0 | 12.0 | 11.0 |
| 72.5° | 16.0 | 16.0 | 16.0 | 14.0 | 13.0 | 11.0 | 11.0 | 10.0 | 9.0 | 8.0 | 8.0 |
| 75° | 8.0 | 9.0 | 8.0 | 8.0 | 7.0 | 7.0 | 6.0 | 6.0 | 5.0 | 5.0 | 4.0 |
| 77.5° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 80° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 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 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 177.2 | 177.2 | 177.2 | 177.2 | 177.2 | 177.2 | 177.2 | 177.2 | 177.2 | 177.2 |
| 2.5° | 174.2 | 171.2 | 169.2 | 166.2 | 164.2 | 162.2 | 161.2 | 160.2 | 160.2 | 160.2 |
| 5° | 169.2 | 164.2 | 159.2 | 154.2 | 151.2 | 148.2 | 145.2 | 144.2 | 143.2 | 143.2 |
| 7.5° | 163.2 | 155.2 | 148.2 | 142.2 | 137.2 | 134.2 | 131.2 | 129.2 | 128.2 | 128.2 |
| 10° | 155.2 | 145.2 | 137.2 | 129.2 | 124.1 | 120.1 | 118.1 | 115.1 | 115.1 | 114.1 |
| 12.5° | 146.2 | 134.2 | 125.2 | 118.1 | 113.1 | 108.1 | 105.1 | 103.1 | 102.1 | 102.1 |
| 15° | 136.2 | 124.1 | 114.1 | 106.1 | 101.1 | 96.1 | 93.1 | 91.1 | 90.1 | 90.1 |
| 17.5° | 126.2 | 113.1 | 103.1 | 95.1 | 90.1 | 85.1 | 82.1 | 80.1 | 80.1 | 79.1 |
| 20° | 116.1 | 103.1 | 93.1 | 85.1 | 80.1 | 76.1 | 73.1 | 71.1 | 70.1 | 71.1 |
| 22.5° | 107.1 | 94.1 | 84.1 | 77.1 | 71.1 | 67.1 | 64.1 | 63.1 | 62.1 | 62.1 |
| 25° | 97.1 | 85.1 | 76.1 | 69.1 | 64.1 | 60.1 | 57.1 | 56.1 | 55.1 | 54.1 |
| 26° | 94.1 | 82.1 | 73.1 | 66.1 | 61.1 | 57.1 | 55.1 | 53.1 | 52.1 | 52.1 |
| 27.5° | 90.1 | 77.1 | 69.1 | 62.1 | 57.1 | 54.1 | 51.1 | 50.1 | 49.1 | 49.1 |
| 30° | 81.1 | 70.1 | 62.1 | 56.1 | 52.1 | 48.1 | 46.1 | 45.1 | 44.1 | 44.1 |
| 32.5° | 74.1 | 63.1 | 56.1 | 51.1 | 47.1 | 44.1 | 42.1 | 40.0 | 40.0 | 40.0 |
| 35° | 67.1 | 57.1 | 51.1 | 46.1 | 42.1 | 39.0 | 38.0 | 37.0 | 36.0 | 36.0 |
| 37.5° | 61.1 | 52.1 | 46.1 | 42.1 | 39.0 | 36.0 | 34.0 | 33.0 | 33.0 | 33.0 |
| 40° | 55.1 | 48.1 | 42.1 | 38.0 | 35.0 | 33.0 | 31.0 | 30.0 | 30.0 | 30.0 |
| 42.5° | 50.1 | 43.1 | 39.0 | 35.0 | 32.0 | 30.0 | 29.0 | 28.0 | 27.0 | 27.0 |
| 45° | 46.1 | 40.0 | 35.0 | 32.0 | 30.0 | 28.0 | 26.0 | 25.0 | 25.0 | 25.0 |
| 47.5° | 41.0 | 37.0 | 32.0 | 29.0 | 27.0 | 25.0 | 24.0 | 23.0 | 23.0 | 23.0 |
| 50° | 38.0 | 34.0 | 30.0 | 27.0 | 25.0 | 23.0 | 22.0 | 21.0 | 21.0 | 21.0 |
| 52.5° | 34.0 | 31.0 | 28.0 | 25.0 | 23.0 | 21.0 | 20.0 | 19.0 | 19.0 | 19.0 |
| 55° | 31.0 | 28.0 | 25.0 | 23.0 | 21.0 | 19.0 | 18.0 | 17.0 | 17.0 | 17.0 |
| 57.5° | 28.0 | 25.0 | 23.0 | 21.0 | 19.0 | 18.0 | 16.0 | 16.0 | 15.0 | 15.0 |
| 60° | 25.0 | 22.0 | 20.0 | 19.0 | 17.0 | 16.0 | 14.0 | 13.0 | 13.0 | 13.0 |
| 62.5° | 21.0 | 20.0 | 18.0 | 16.0 | 14.0 | 13.0 | 12.0 | 11.0 | 11.0 | 11.0 |
| 65° | 18.0 | 17.0 | 15.0 | 13.0 | 12.0 | 11.0 | 10.0 | 9.0 | 9.0 | 9.0 |
| 67.5° | 15.0 | 13.0 | 12.0 | 11.0 | 10.0 | 9.0 | 8.0 | 7.0 | 6.0 | 7.0 |
| 70° | 11.0 | 10.0 | 9.0 | 8.0 | 7.0 | 6.0 | 5.0 | 5.0 | 4.0 | 4.0 |
| 72.5° | 7.0 | 6.0 | 6.0 | 5.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 |
| 75° | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 77.5° | 2.0 | 1.0 | 1.0 | 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)