

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: P3ART17R70W2N902750DE010 E3LSWW1GPH_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: P3ART17R70W2N902750DE010 E3LSWW1GPH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
E3LSWW1GPH TRIM
Light Source: -
Ballast/Driver: -

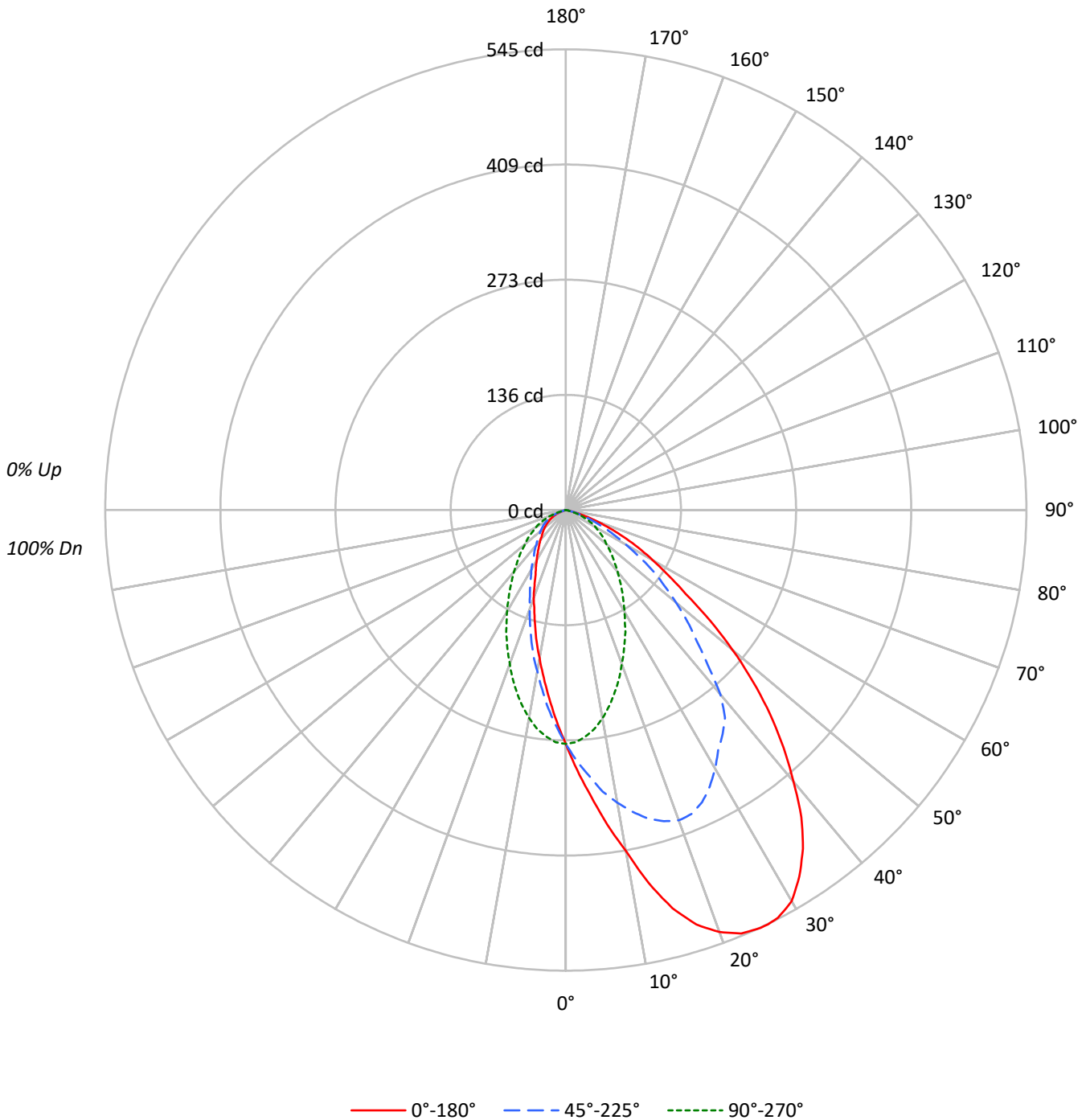
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 551.0 lumens
Efficiency: N/A
Efficacy: 28.4 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): 19.4
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: P3ART17R70W2N902750DE010 E3LSWW1GPH_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART17R70W2N902750DE010 E3LSWW1GPH_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 | 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° | 60653 | 60653 | 60653 | 60653 | 60653 |
| 5° | 74642 | 69491 | 59168 | 51948 | 49196 |
| 10° | 91158 | 78288 | 55666 | 43152 | 39679 |
| 15° | 110693 | 85857 | 50738 | 35823 | 31941 |
| 20° | 123981 | 91171 | 45224 | 29169 | 25902 |
| 25° | 131959 | 92255 | 40091 | 24195 | 20421 |
| 30° | 135337 | 89431 | 35221 | 20585 | 17420 |
| 35° | 130955 | 86598 | 30945 | 17561 | 15071 |
| 40° | 119882 | 81410 | 27280 | 15658 | 13425 |
| 45° | 106120 | 67852 | 24220 | 14544 | 12125 |
| 50° | 87980 | 58096 | 21321 | 13339 | 11189 |
| 55° | 66330 | 48400 | 19727 | 12540 | 10169 |
| 60° | 52101 | 36313 | 17806 | 11666 | 8903 |
| 65° | 38915 | 26773 | 15410 | 9755 | 7316 |
| 70° | 25068 | 17054 | 11028 | 6988 | 4039 |
| 75° | 10590 | 9235 | 5338 | 2626 | 1356 |
| 80° | 2020 | 2020 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 106120 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 26.2 | 4.8 |
| 10°-20° | 75.5 | 13.7 |
| 20°-30° | 110.4 | 20.0 |
| 30°-40° | 120.3 | 21.8 |
| 40°-50° | 104.1 | 18.9 |
| 50°-60° | 69.7 | 12.7 |
| 60°-70° | 36.0 | 6.5 |
| 70°-80° | 8.5 | 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° | 212.2 | 38.5 |
| 0°-40° | 332.5 | 60.3 |
| 0°-60° | 506.4 | 91.9 |
| 0°-90° | 551.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 551.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 277 | 277 | 277 | 277 | 277 | |
| 5° | 339 | 316 | 269 | 236 | 224 | 35 |
| 15° | 488 | 378 | 224 | 158 | 141 | 138 |
| 25° | 545 | 381 | 166 | 100 | 84 | 251 |
| 35° | 489 | 324 | 116 | 66 | 56 | 303 |
| 45° | 342 | 219 | 78 | 47 | 39 | 262 |
| 55° | 174 | 127 | 52 | 33 | 27 | 161 |
| 65° | 75 | 52 | 30 | 19 | 14 | 76 |
| 75° | 12 | 11 | 6 | 3 | 2 | 16 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART17R70W2N902750DE010 E3LSWW1GPH_2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 276.6 | 276.6 | 276.6 | 276.6 | 276.6 | 276.6 | 276.6 | 276.6 | 276.6 | 276.6 | 276.6 |
| 2.5° | 307.9 | 306.3 | 306.3 | 303.2 | 300.1 | 296.9 | 292.2 | 287.6 | 282.9 | 278.2 | 275.0 |
| 5° | 339.1 | 340.7 | 339.1 | 332.9 | 325.1 | 315.7 | 306.3 | 295.4 | 284.4 | 275.0 | 268.8 |
| 7.5° | 375.1 | 375.1 | 370.4 | 362.6 | 351.6 | 336.0 | 320.4 | 301.6 | 284.4 | 268.8 | 261.0 |
| 10° | 409.4 | 409.4 | 401.6 | 389.1 | 371.9 | 351.6 | 329.7 | 304.7 | 281.3 | 259.4 | 250.0 |
| 12.5° | 451.6 | 450.1 | 440.7 | 420.4 | 395.4 | 365.7 | 336.0 | 304.7 | 276.6 | 250.0 | 237.5 |
| 15° | 487.6 | 486.0 | 473.5 | 448.5 | 415.7 | 378.2 | 337.6 | 301.6 | 267.2 | 237.5 | 223.5 |
| 17.5° | 514.2 | 511.0 | 497.0 | 470.4 | 432.9 | 386.0 | 339.1 | 295.4 | 256.3 | 223.5 | 209.4 |
| 20° | 531.3 | 529.8 | 514.2 | 482.9 | 442.3 | 390.7 | 337.6 | 287.6 | 245.4 | 209.4 | 193.8 |
| 22.5° | 542.3 | 539.2 | 523.5 | 489.2 | 442.3 | 389.1 | 331.3 | 276.6 | 231.3 | 195.3 | 179.7 |
| 25° | 545.4 | 543.8 | 525.1 | 487.6 | 437.6 | 381.3 | 321.9 | 265.7 | 217.2 | 181.3 | 165.7 |
| 26° | 545.4 | 543.8 | 525.1 | 486.0 | 434.5 | 376.6 | 317.2 | 261.0 | 212.5 | 175.0 | 161.0 |
| 27.5° | 543.8 | 542.3 | 522.0 | 481.3 | 428.2 | 368.8 | 307.9 | 251.6 | 203.2 | 167.2 | 151.6 |
| 30° | 534.5 | 531.3 | 511.0 | 470.4 | 414.1 | 353.2 | 292.2 | 237.5 | 189.1 | 153.2 | 139.1 |
| 32.5° | 514.2 | 511.0 | 489.2 | 451.6 | 398.5 | 336.0 | 275.0 | 221.9 | 175.0 | 139.1 | 126.6 |
| 35° | 489.2 | 486.0 | 464.1 | 428.2 | 376.6 | 323.5 | 256.3 | 204.7 | 159.4 | 128.1 | 115.6 |
| 37.5° | 457.9 | 453.2 | 434.5 | 396.9 | 350.1 | 309.4 | 240.7 | 187.5 | 145.3 | 115.6 | 104.7 |
| 40° | 418.8 | 417.3 | 400.1 | 365.7 | 318.8 | 284.4 | 231.3 | 187.5 | 132.8 | 104.7 | 95.3 |
| 42.5° | 381.3 | 378.2 | 362.6 | 332.9 | 290.7 | 248.5 | 203.2 | 179.7 | 123.5 | 93.8 | 86.0 |
| 45° | 342.2 | 339.1 | 325.1 | 300.1 | 261.0 | 218.8 | 181.8 | 154.7 | 106.3 | 86.0 | 78.1 |
| 47.5° | 300.1 | 296.9 | 286.0 | 267.2 | 232.9 | 195.3 | 159.4 | 126.6 | 96.9 | 76.6 | 70.3 |
| 50° | 257.9 | 259.4 | 250.0 | 231.3 | 204.7 | 170.3 | 137.5 | 106.3 | 82.8 | 68.8 | 62.5 |
| 52.5° | 215.7 | 214.1 | 207.8 | 195.3 | 176.6 | 146.9 | 117.2 | 90.6 | 71.9 | 60.9 | 57.8 |
| 55° | 173.5 | 175.0 | 171.9 | 164.1 | 148.5 | 126.6 | 98.5 | 78.1 | 64.1 | 54.7 | 51.6 |
| 57.5° | 143.8 | 145.3 | 139.1 | 134.4 | 121.9 | 103.1 | 81.3 | 65.6 | 54.7 | 48.4 | 45.3 |
| 60° | 118.8 | 120.3 | 115.6 | 109.4 | 100.0 | 82.8 | 65.6 | 54.7 | 48.4 | 43.8 | 40.6 |
| 62.5° | 96.9 | 95.3 | 92.2 | 86.0 | 78.1 | 65.6 | 53.1 | 45.3 | 40.6 | 37.5 | 35.9 |
| 65° | 75.0 | 75.0 | 71.9 | 67.2 | 60.9 | 51.6 | 42.2 | 37.5 | 34.4 | 31.3 | 29.7 |
| 67.5° | 56.3 | 56.3 | 53.1 | 50.0 | 43.8 | 37.5 | 32.8 | 29.7 | 28.1 | 25.0 | 23.4 |
| 70° | 39.1 | 39.1 | 37.5 | 35.9 | 31.3 | 26.6 | 25.0 | 21.9 | 20.3 | 18.8 | 17.2 |
| 72.5° | 25.0 | 25.0 | 25.0 | 21.9 | 20.3 | 17.2 | 17.2 | 15.6 | 14.1 | 12.5 | 12.5 |
| 75° | 12.5 | 14.1 | 12.5 | 12.5 | 10.9 | 10.9 | 9.4 | 9.4 | 7.8 | 7.8 | 6.3 |
| 77.5° | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 80° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 276.6 | 276.6 | 276.6 | 276.6 | 276.6 | 276.6 | 276.6 | 276.6 | 276.6 | 276.6 |
| 2.5° | 271.9 | 267.2 | 264.1 | 259.4 | 256.3 | 253.2 | 251.6 | 250.0 | 250.0 | 250.0 |
| 5° | 264.1 | 256.3 | 248.5 | 240.7 | 236.0 | 231.3 | 226.6 | 225.0 | 223.5 | 223.5 |
| 7.5° | 254.7 | 242.2 | 231.3 | 221.9 | 214.1 | 209.4 | 204.7 | 201.6 | 200.0 | 200.0 |
| 10° | 242.2 | 226.6 | 214.1 | 201.6 | 193.8 | 187.5 | 184.4 | 179.7 | 179.7 | 178.2 |
| 12.5° | 228.2 | 209.4 | 195.3 | 184.4 | 176.6 | 168.8 | 164.1 | 161.0 | 159.4 | 159.4 |
| 15° | 212.5 | 193.8 | 178.2 | 165.7 | 157.8 | 150.0 | 145.3 | 142.2 | 140.7 | 140.7 |
| 17.5° | 196.9 | 176.6 | 161.0 | 148.5 | 140.7 | 132.8 | 128.1 | 125.0 | 125.0 | 123.5 |
| 20° | 181.3 | 161.0 | 145.3 | 132.8 | 125.0 | 118.8 | 114.1 | 111.0 | 109.4 | 111.0 |
| 22.5° | 167.2 | 146.9 | 131.3 | 120.3 | 111.0 | 104.7 | 100.0 | 98.5 | 96.9 | 96.9 |
| 25° | 151.6 | 132.8 | 118.8 | 107.8 | 100.0 | 93.8 | 89.1 | 87.5 | 86.0 | 84.4 |
| 26° | 146.9 | 128.1 | 114.1 | 103.1 | 95.3 | 89.1 | 86.0 | 82.8 | 81.3 | 81.3 |
| 27.5° | 140.7 | 120.3 | 107.8 | 96.9 | 89.1 | 84.4 | 79.7 | 78.1 | 76.6 | 76.6 |
| 30° | 126.6 | 109.4 | 96.9 | 87.5 | 81.3 | 75.0 | 71.9 | 70.3 | 68.8 | 68.8 |
| 32.5° | 115.6 | 98.5 | 87.5 | 79.7 | 73.5 | 68.8 | 65.6 | 62.5 | 62.5 | 62.5 |
| 35° | 104.7 | 89.1 | 79.7 | 71.9 | 65.6 | 60.9 | 59.4 | 57.8 | 56.3 | 56.3 |
| 37.5° | 95.3 | 81.3 | 71.9 | 65.6 | 60.9 | 56.3 | 53.1 | 51.6 | 51.6 | 51.6 |
| 40° | 86.0 | 75.0 | 65.6 | 59.4 | 54.7 | 51.6 | 48.4 | 46.9 | 46.9 | 46.9 |
| 42.5° | 78.1 | 67.2 | 60.9 | 54.7 | 50.0 | 46.9 | 45.3 | 43.8 | 42.2 | 42.2 |
| 45° | 71.9 | 62.5 | 54.7 | 50.0 | 46.9 | 43.8 | 40.6 | 39.1 | 39.1 | 39.1 |
| 47.5° | 64.1 | 57.8 | 50.0 | 45.3 | 42.2 | 39.1 | 37.5 | 35.9 | 35.9 | 35.9 |
| 50° | 59.4 | 53.1 | 46.9 | 42.2 | 39.1 | 35.9 | 34.4 | 32.8 | 32.8 | 32.8 |
| 52.5° | 53.1 | 48.4 | 43.8 | 39.1 | 35.9 | 32.8 | 31.3 | 29.7 | 29.7 | 29.7 |
| 55° | 48.4 | 43.8 | 39.1 | 35.9 | 32.8 | 29.7 | 28.1 | 26.6 | 26.6 | 26.6 |
| 57.5° | 43.8 | 39.1 | 35.9 | 32.8 | 29.7 | 28.1 | 25.0 | 25.0 | 23.4 | 23.4 |
| 60° | 39.1 | 34.4 | 31.3 | 29.7 | 26.6 | 25.0 | 21.9 | 20.3 | 20.3 | 20.3 |
| 62.5° | 32.8 | 31.3 | 28.1 | 25.0 | 21.9 | 20.3 | 18.8 | 17.2 | 17.2 | 17.2 |
| 65° | 28.1 | 26.6 | 23.4 | 20.3 | 18.8 | 17.2 | 15.6 | 14.1 | 14.1 | 14.1 |
| 67.5° | 23.4 | 20.3 | 18.8 | 17.2 | 15.6 | 14.1 | 12.5 | 10.9 | 9.4 | 10.9 |
| 70° | 17.2 | 15.6 | 14.1 | 12.5 | 10.9 | 9.4 | 7.8 | 7.8 | 6.3 | 6.3 |
| 72.5° | 10.9 | 9.4 | 9.4 | 7.8 | 6.3 | 6.3 | 4.7 | 4.7 | 3.1 | 3.1 |
| 75° | 6.3 | 6.3 | 4.7 | 4.7 | 3.1 | 3.1 | 1.6 | 1.6 | 1.6 | 1.6 |
| 77.5° | 3.1 | 1.6 | 1.6 | 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)