

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 E3LCWW1H_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: P3ART17R70W2N902750DE010 E3LCWW1H_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

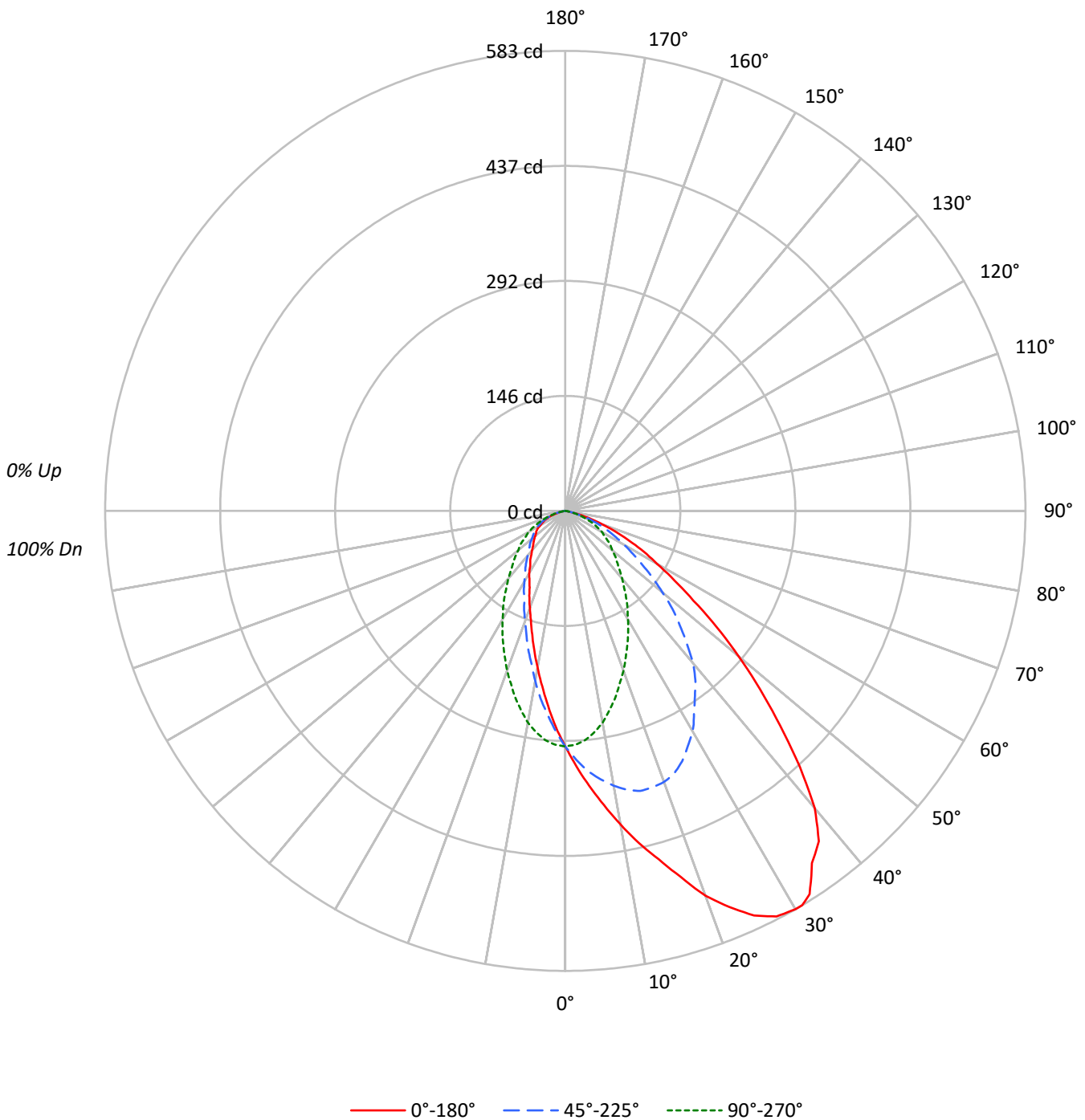
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 607.0 lumens
Efficiency: N/A
Efficacy: 31.3 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18
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 E3LCWW1H_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART17R70W2N902750DE010 E3LCWW1H_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° | 65433 | 65433 | 65433 | 65433 | 65433 |
| 5° | 77063 | 72881 | 64164 | 56945 | 54677 |
| 10° | 89867 | 78734 | 60676 | 48763 | 44933 |
| 15° | 103746 | 83406 | 55596 | 41113 | 36799 |
| 20° | 121134 | 85314 | 50311 | 34606 | 30593 |
| 25° | 136871 | 84707 | 45075 | 29639 | 25864 |
| 30° | 147592 | 81658 | 40183 | 26207 | 23143 |
| 35° | 145892 | 76640 | 36005 | 23557 | 20773 |
| 40° | 140692 | 72078 | 32089 | 21240 | 18749 |
| 45° | 119268 | 63635 | 28871 | 19785 | 17645 |
| 50° | 97668 | 54719 | 26472 | 18831 | 17057 |
| 55° | 75811 | 45494 | 25041 | 18465 | 17127 |
| 60° | 58987 | 37804 | 23463 | 18156 | 15876 |
| 65° | 46542 | 31339 | 20599 | 17019 | 15203 |
| 70° | 32057 | 23209 | 16605 | 14361 | 13271 |
| 75° | 16097 | 13132 | 11692 | 10252 | 8727 |
| 80° | 2147 | 4293 | 6566 | 4293 | 2147 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 119268 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 27.9 | 4.6 |
| 10°-20° | 77.7 | 12.8 |
| 20°-30° | 114.6 | 18.9 |
| 30°-40° | 128.4 | 21.2 |
| 40°-50° | 112.9 | 18.6 |
| 50°-60° | 80.8 | 13.3 |
| 60°-70° | 47.9 | 7.9 |
| 70°-80° | 16.0 | 2.6 |
| 80°-90° | 0.8 | 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° | 220.2 | 36.3 |
| 0°-40° | 348.6 | 57.4 |
| 0°-60° | 542.3 | 89.3 |
| 0°-90° | 607.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 607.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 298 | 298 | 298 | 298 | 298 | |
| 5° | 350 | 331 | 292 | 259 | 248 | 35 |
| 15° | 457 | 367 | 245 | 181 | 162 | 132 |
| 25° | 566 | 350 | 186 | 122 | 107 | 260 |
| 35° | 545 | 286 | 134 | 88 | 78 | 342 |
| 45° | 385 | 205 | 93 | 64 | 57 | 298 |
| 55° | 198 | 119 | 66 | 48 | 45 | 181 |
| 65° | 90 | 60 | 40 | 33 | 29 | 90 |
| 75° | 19 | 16 | 14 | 12 | 10 | 23 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART17R70W2N902750DE010 E3LCWW1H_3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 |
| 2.5° | 324.2 | 324.2 | 324.2 | 320.8 | 320.8 | 315.6 | 312.2 | 307.0 | 303.5 | 298.4 | 296.6 |
| 5° | 350.1 | 350.1 | 346.7 | 343.2 | 338.0 | 331.1 | 322.5 | 313.9 | 303.5 | 294.9 | 291.5 |
| 7.5° | 376.0 | 377.7 | 372.5 | 365.6 | 355.3 | 343.2 | 331.1 | 317.3 | 301.8 | 289.7 | 282.8 |
| 10° | 403.6 | 403.6 | 396.7 | 386.3 | 370.8 | 353.6 | 334.6 | 315.6 | 296.6 | 279.4 | 272.5 |
| 12.5° | 431.2 | 429.4 | 420.8 | 405.3 | 386.3 | 362.2 | 336.3 | 312.2 | 289.7 | 269.0 | 258.7 |
| 15° | 457.0 | 457.0 | 445.0 | 426.0 | 398.4 | 367.4 | 336.3 | 305.3 | 279.4 | 255.2 | 244.9 |
| 17.5° | 486.4 | 486.4 | 470.8 | 441.5 | 407.0 | 367.4 | 331.1 | 296.6 | 267.3 | 241.5 | 229.4 |
| 20° | 519.1 | 517.4 | 495.0 | 455.3 | 410.5 | 365.6 | 324.2 | 286.3 | 253.5 | 225.9 | 215.6 |
| 22.5° | 543.3 | 541.5 | 515.7 | 467.4 | 412.2 | 360.5 | 312.2 | 272.5 | 239.7 | 212.1 | 200.1 |
| 25° | 565.7 | 562.2 | 532.9 | 472.6 | 408.7 | 350.1 | 300.1 | 257.0 | 225.9 | 198.3 | 186.3 |
| 27.5° | 579.5 | 577.8 | 545.0 | 470.8 | 400.1 | 336.3 | 284.6 | 243.2 | 210.4 | 182.8 | 172.5 |
| 30° | 582.9 | 584.7 | 545.0 | 462.2 | 386.3 | 322.5 | 269.0 | 227.7 | 194.9 | 170.7 | 158.7 |
| 31° | 582.9 | 584.7 | 541.5 | 457.0 | 381.1 | 315.6 | 262.1 | 222.5 | 188.0 | 163.8 | 153.5 |
| 32.5° | 576.0 | 572.6 | 536.4 | 448.4 | 369.1 | 303.5 | 253.5 | 213.9 | 179.4 | 155.2 | 146.6 |
| 35° | 545.0 | 546.7 | 519.1 | 429.4 | 351.8 | 286.3 | 236.3 | 196.6 | 163.8 | 143.1 | 134.5 |
| 37.5° | 527.7 | 527.7 | 477.7 | 403.6 | 332.9 | 270.8 | 215.6 | 177.6 | 150.0 | 131.1 | 122.5 |
| 40° | 491.5 | 486.4 | 439.8 | 376.0 | 310.4 | 251.8 | 203.5 | 165.6 | 138.0 | 119.0 | 112.1 |
| 42.5° | 439.8 | 434.6 | 398.4 | 351.8 | 281.1 | 227.7 | 193.2 | 146.6 | 124.2 | 108.7 | 101.8 |
| 45° | 384.6 | 381.1 | 353.6 | 310.4 | 253.5 | 205.2 | 167.3 | 134.5 | 113.8 | 98.3 | 93.1 |
| 47.5° | 334.6 | 329.4 | 308.7 | 275.9 | 229.4 | 184.5 | 144.9 | 120.7 | 101.8 | 89.7 | 86.2 |
| 50° | 286.3 | 284.6 | 267.3 | 241.5 | 203.5 | 160.4 | 127.6 | 106.9 | 93.1 | 82.8 | 77.6 |
| 52.5° | 241.5 | 238.0 | 229.4 | 208.7 | 177.6 | 139.7 | 112.1 | 94.9 | 82.8 | 75.9 | 72.4 |
| 55° | 198.3 | 198.3 | 189.7 | 175.9 | 151.8 | 119.0 | 98.3 | 84.5 | 74.2 | 69.0 | 65.5 |
| 57.5° | 163.8 | 163.8 | 156.9 | 148.3 | 125.9 | 101.8 | 86.2 | 74.2 | 67.3 | 62.1 | 58.6 |
| 60° | 134.5 | 134.5 | 129.3 | 120.7 | 105.2 | 86.2 | 74.2 | 65.5 | 60.4 | 55.2 | 53.5 |
| 62.5° | 112.1 | 110.4 | 106.9 | 98.3 | 86.2 | 72.4 | 63.8 | 56.9 | 51.7 | 48.3 | 46.6 |
| 65° | 89.7 | 88.0 | 84.5 | 77.6 | 69.0 | 60.4 | 53.5 | 48.3 | 44.8 | 41.4 | 39.7 |
| 67.5° | 69.0 | 69.0 | 65.5 | 60.4 | 53.5 | 48.3 | 43.1 | 39.7 | 36.2 | 34.5 | 32.8 |
| 70° | 50.0 | 50.0 | 48.3 | 44.8 | 39.7 | 36.2 | 32.8 | 31.0 | 29.3 | 27.6 | 25.9 |
| 72.5° | 34.5 | 34.5 | 32.8 | 31.0 | 27.6 | 25.9 | 22.4 | 22.4 | 20.7 | 20.7 | 19.0 |
| 75° | 19.0 | 19.0 | 19.0 | 17.2 | 17.2 | 15.5 | 15.5 | 15.5 | 13.8 | 13.8 | 13.8 |
| 77.5° | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 |
| 80° | 1.7 | 1.7 | 1.7 | 1.7 | 3.4 | 3.4 | 3.4 | 3.4 | 5.2 | 5.2 | 5.2 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 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° | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 |
| 2.5° | 294.9 | 289.7 | 286.3 | 284.6 | 279.4 | 277.7 | 275.9 | 274.2 | 274.2 | 274.2 |
| 5° | 288.0 | 279.4 | 270.8 | 265.6 | 258.7 | 255.2 | 251.8 | 250.1 | 248.4 | 248.4 |
| 7.5° | 275.9 | 265.6 | 255.2 | 246.6 | 239.7 | 232.8 | 229.4 | 225.9 | 225.9 | 224.2 |
| 10° | 263.9 | 250.1 | 238.0 | 225.9 | 219.0 | 210.4 | 207.0 | 203.5 | 201.8 | 201.8 |
| 12.5° | 250.1 | 232.8 | 219.0 | 208.7 | 198.3 | 191.4 | 186.3 | 182.8 | 181.1 | 181.1 |
| 15° | 234.6 | 217.3 | 201.8 | 191.4 | 181.1 | 172.5 | 167.3 | 163.8 | 162.1 | 162.1 |
| 17.5° | 219.0 | 201.8 | 184.5 | 174.2 | 163.8 | 155.2 | 151.8 | 148.3 | 146.6 | 144.9 |
| 20° | 205.2 | 184.5 | 170.7 | 156.9 | 148.3 | 141.4 | 136.2 | 132.8 | 131.1 | 131.1 |
| 22.5° | 189.7 | 170.7 | 155.2 | 144.9 | 136.2 | 129.3 | 122.5 | 120.7 | 119.0 | 119.0 |
| 25° | 174.2 | 156.9 | 143.1 | 132.8 | 122.5 | 117.3 | 112.1 | 108.7 | 108.7 | 106.9 |
| 27.5° | 162.1 | 144.9 | 131.1 | 120.7 | 113.8 | 106.9 | 103.5 | 100.0 | 98.3 | 98.3 |
| 30° | 148.3 | 132.8 | 120.7 | 112.1 | 103.5 | 98.3 | 94.9 | 91.4 | 91.4 | 91.4 |
| 31° | 144.9 | 129.3 | 117.3 | 106.9 | 100.0 | 94.9 | 91.4 | 89.7 | 88.0 | 88.0 |
| 32.5° | 136.2 | 122.5 | 110.4 | 101.8 | 94.9 | 89.7 | 86.2 | 84.5 | 84.5 | 82.8 |
| 35° | 125.9 | 112.1 | 101.8 | 93.1 | 88.0 | 82.8 | 79.3 | 77.6 | 77.6 | 77.6 |
| 37.5° | 115.6 | 103.5 | 93.1 | 86.2 | 81.1 | 75.9 | 74.2 | 70.7 | 70.7 | 70.7 |
| 40° | 105.2 | 94.9 | 86.2 | 79.3 | 74.2 | 70.7 | 69.0 | 67.3 | 65.5 | 65.5 |
| 42.5° | 96.6 | 86.2 | 79.3 | 74.2 | 69.0 | 65.5 | 63.8 | 62.1 | 62.1 | 60.4 |
| 45° | 88.0 | 79.3 | 74.2 | 69.0 | 63.8 | 62.1 | 60.4 | 58.6 | 56.9 | 56.9 |
| 47.5° | 81.1 | 74.2 | 67.3 | 63.8 | 60.4 | 56.9 | 55.2 | 55.2 | 53.5 | 53.5 |
| 50° | 74.2 | 67.3 | 62.1 | 58.6 | 55.2 | 53.5 | 51.7 | 51.7 | 50.0 | 50.0 |
| 52.5° | 69.0 | 62.1 | 58.6 | 55.2 | 51.7 | 50.0 | 48.3 | 48.3 | 46.6 | 46.6 |
| 55° | 62.1 | 56.9 | 53.5 | 51.7 | 48.3 | 46.6 | 44.8 | 43.1 | 43.1 | 44.8 |
| 57.5° | 56.9 | 53.5 | 50.0 | 48.3 | 44.8 | 43.1 | 41.4 | 41.4 | 39.7 | 41.4 |
| 60° | 51.7 | 48.3 | 44.8 | 43.1 | 41.4 | 39.7 | 37.9 | 36.2 | 36.2 | 36.2 |
| 62.5° | 46.6 | 43.1 | 41.4 | 37.9 | 36.2 | 36.2 | 34.5 | 34.5 | 34.5 | 32.8 |
| 65° | 39.7 | 37.9 | 36.2 | 34.5 | 32.8 | 31.0 | 31.0 | 29.3 | 29.3 | 29.3 |
| 67.5° | 32.8 | 31.0 | 29.3 | 29.3 | 27.6 | 25.9 | 25.9 | 25.9 | 25.9 | 24.1 |
| 70° | 25.9 | 24.1 | 24.1 | 22.4 | 22.4 | 22.4 | 20.7 | 20.7 | 20.7 | 20.7 |
| 72.5° | 19.0 | 19.0 | 17.2 | 17.2 | 17.2 | 17.2 | 15.5 | 15.5 | 15.5 | 15.5 |
| 75° | 13.8 | 13.8 | 13.8 | 12.1 | 12.1 | 12.1 | 10.3 | 10.3 | 10.3 | 10.3 |
| 77.5° | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 |
| 80° | 5.2 | 5.2 | 5.2 | 5.2 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 1.7 |
| 82.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 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)