

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: P3ART17R70W2N902765DE010 E3LCWW1WMH_3500K

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: P3ART17R70W2N902765DE010 E3LCWW1WMH_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3500K CCT AND, 90CRI ,
E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

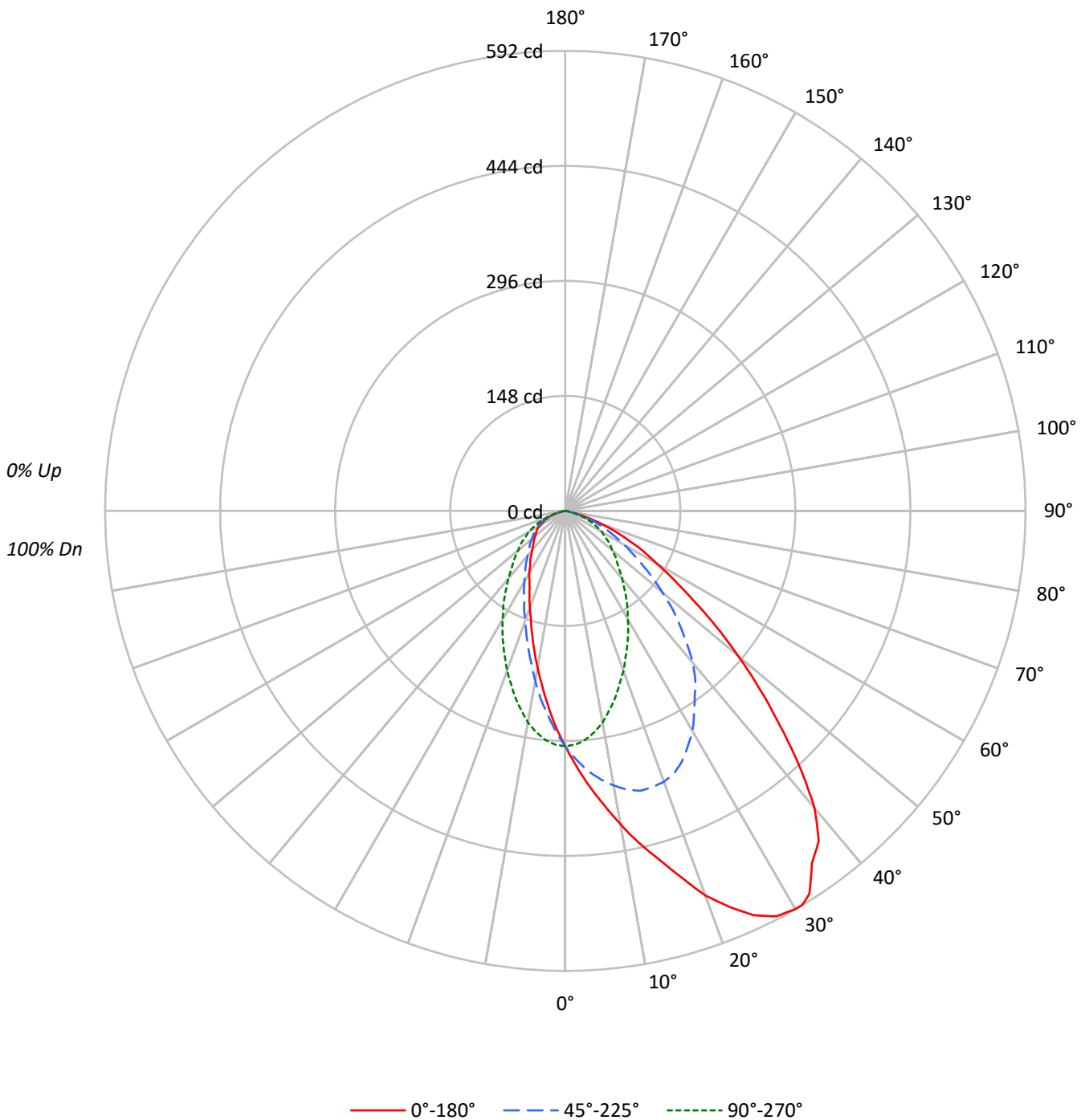
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 616.1 lumens
Efficiency: N/A
Efficacy: 31.8 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: P3ART17R70W2N902765DE010 E3LCWW1WMH_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART17R70W2N902765DE010 E3LCWW1WMH_3500K

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 | 107 | 103 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 90 | 90 | 90 | 88 |
| 2 | 102 | 95 | 90 | 85 | 100 | 93 | 88 | 84 | 90 | 86 | 82 | 87 | 83 | 80 | 84 | 81 | 78 | 78 | 78 | 78 | 76 |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 76 | 72 | 68 | 68 | 68 | 68 | 66 |
| 4 | 87 | 77 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 60 | 60 | 60 | 60 | 58 |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 59 | 54 | 64 | 58 | 54 | 62 | 57 | 53 | 53 | 53 | 53 | 51 |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 54 | 49 | 60 | 53 | 48 | 59 | 53 | 48 | 57 | 52 | 47 | 47 | 47 | 47 | 46 |
| 7 | 70 | 57 | 49 | 44 | 68 | 57 | 49 | 44 | 55 | 48 | 43 | 54 | 48 | 43 | 52 | 47 | 43 | 43 | 43 | 43 | 41 |
| 8 | 65 | 53 | 45 | 39 | 64 | 52 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 39 | 48 | 43 | 39 | 39 | 39 | 39 | 37 |
| 9 | 61 | 49 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 35 | 45 | 39 | 35 | 35 | 35 | 35 | 34 |
| 10 | 57 | 45 | 38 | 33 | 56 | 45 | 37 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 36 | 32 | 32 | 32 | 32 | 31 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|-------|-------|-------|
| 0° | 66398 | 66398 | 66398 | 66398 | 66398 |
| 5° | 78208 | 73960 | 65111 | 57781 | 55470 |
| 10° | 91203 | 79892 | 61566 | 49498 | 45601 |
| 15° | 105290 | 84632 | 56413 | 41726 | 37344 |
| 20° | 122931 | 86574 | 51058 | 35120 | 31036 |
| 25° | 138903 | 85965 | 45728 | 30074 | 26252 |
| 30° | 149795 | 82874 | 40766 | 26586 | 23497 |
| 35° | 148061 | 77765 | 36540 | 23905 | 21094 |
| 40° | 142782 | 73137 | 32575 | 21555 | 19036 |
| 45° | 121036 | 64596 | 29305 | 20095 | 17924 |
| 50° | 99101 | 55538 | 26882 | 19104 | 17330 |
| 55° | 76958 | 46182 | 25423 | 18733 | 17395 |
| 60° | 59864 | 38374 | 23814 | 18420 | 16139 |
| 65° | 47216 | 31806 | 20910 | 17278 | 15462 |
| 70° | 32570 | 23594 | 16862 | 14618 | 13464 |
| 75° | 16352 | 13386 | 11861 | 10421 | 8896 |
| 80° | 2273 | 4420 | 6693 | 4420 | 2273 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 121036 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 28.3 | 4.6 |
| 10°-20° | 78.9 | 12.8 |
| 20°-30° | 116.3 | 18.9 |
| 30°-40° | 130.3 | 21.2 |
| 40°-50° | 114.6 | 18.6 |
| 50°-60° | 82.0 | 13.3 |
| 60°-70° | 48.6 | 7.9 |
| 70°-80° | 16.3 | 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° | 223.5 | 36.3 |
| 0°-40° | 353.8 | 57.4 |
| 0°-60° | 550.4 | 89.3 |
| 0°-90° | 616.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 616.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 303 | 303 | 303 | 303 | 303 | |
| 5° | 355 | 336 | 296 | 262 | 252 | 36 |
| 15° | 464 | 373 | 248 | 184 | 164 | 134 |
| 25° | 574 | 355 | 189 | 124 | 108 | 264 |
| 35° | 553 | 290 | 136 | 89 | 79 | 347 |
| 45° | 390 | 208 | 94 | 65 | 58 | 302 |
| 55° | 201 | 121 | 66 | 49 | 46 | 184 |
| 65° | 91 | 61 | 40 | 33 | 30 | 91 |
| 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: P3ART17R70W2N902765DE010 E3LCWW1WMH_3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 |
| 2.5° | 329.0 | 329.0 | 329.0 | 325.5 | 325.5 | 320.3 | 316.8 | 311.5 | 308.0 | 302.8 | 301.0 |
| 5° | 355.3 | 355.3 | 351.8 | 348.3 | 343.0 | 336.0 | 327.3 | 318.5 | 308.0 | 299.3 | 295.8 |
| 7.5° | 381.6 | 383.3 | 378.0 | 371.0 | 360.5 | 348.3 | 336.0 | 322.0 | 306.3 | 294.0 | 287.0 |
| 10° | 409.6 | 409.6 | 402.6 | 392.1 | 376.3 | 358.8 | 339.5 | 320.3 | 301.0 | 283.5 | 276.5 |
| 12.5° | 437.6 | 435.8 | 427.1 | 411.3 | 392.1 | 367.5 | 341.3 | 316.8 | 294.0 | 273.0 | 262.5 |
| 15° | 463.8 | 463.8 | 451.6 | 432.3 | 404.3 | 372.8 | 341.3 | 309.8 | 283.5 | 259.0 | 248.5 |
| 17.5° | 493.6 | 493.6 | 477.8 | 448.1 | 413.1 | 372.8 | 336.0 | 301.0 | 271.3 | 245.0 | 232.8 |
| 20° | 526.8 | 525.1 | 502.3 | 462.1 | 416.6 | 371.0 | 329.0 | 290.5 | 257.3 | 229.3 | 218.8 |
| 22.5° | 551.3 | 549.6 | 523.3 | 474.3 | 418.3 | 365.8 | 316.8 | 276.5 | 243.3 | 215.3 | 203.0 |
| 25° | 574.1 | 570.6 | 540.8 | 479.6 | 414.8 | 355.3 | 304.5 | 260.8 | 229.3 | 201.3 | 189.0 |
| 27.5° | 588.1 | 586.3 | 553.1 | 477.8 | 406.1 | 341.3 | 288.8 | 246.8 | 213.5 | 185.5 | 175.0 |
| 30° | 591.6 | 593.3 | 553.1 | 469.1 | 392.1 | 327.3 | 273.0 | 231.0 | 197.8 | 173.3 | 161.0 |
| 31° | 591.6 | 593.3 | 549.6 | 463.8 | 386.8 | 320.3 | 266.0 | 225.8 | 190.8 | 166.3 | 155.8 |
| 32.5° | 584.6 | 581.1 | 544.3 | 455.1 | 374.5 | 308.0 | 257.3 | 217.0 | 182.0 | 157.5 | 148.8 |
| 35° | 553.1 | 554.8 | 526.8 | 435.8 | 357.0 | 290.5 | 239.8 | 199.5 | 166.3 | 145.3 | 136.5 |
| 37.5° | 535.6 | 535.6 | 484.8 | 409.6 | 337.8 | 274.8 | 218.8 | 180.3 | 152.3 | 133.0 | 124.3 |
| 40° | 498.8 | 493.6 | 446.3 | 381.6 | 315.0 | 255.5 | 206.5 | 168.0 | 140.0 | 120.8 | 113.8 |
| 42.5° | 446.3 | 441.1 | 404.3 | 357.0 | 285.3 | 231.0 | 196.0 | 148.8 | 126.0 | 110.3 | 103.3 |
| 45° | 390.3 | 386.8 | 358.8 | 315.0 | 257.3 | 208.3 | 169.8 | 136.5 | 115.5 | 99.8 | 94.5 |
| 47.5° | 339.5 | 334.3 | 313.3 | 280.0 | 232.8 | 187.3 | 147.0 | 122.5 | 103.3 | 91.0 | 87.5 |
| 50° | 290.5 | 288.8 | 271.3 | 245.0 | 206.5 | 162.8 | 129.5 | 108.5 | 94.5 | 84.0 | 78.8 |
| 52.5° | 245.0 | 241.5 | 232.8 | 211.8 | 180.3 | 141.8 | 113.8 | 96.3 | 84.0 | 77.0 | 73.5 |
| 55° | 201.3 | 201.3 | 192.5 | 178.5 | 154.0 | 120.8 | 99.8 | 85.8 | 75.3 | 70.0 | 66.5 |
| 57.5° | 166.3 | 166.3 | 159.3 | 150.5 | 127.8 | 103.3 | 87.5 | 75.3 | 68.3 | 63.0 | 59.5 |
| 60° | 136.5 | 136.5 | 131.3 | 122.5 | 106.8 | 87.5 | 75.3 | 66.5 | 61.3 | 56.0 | 54.3 |
| 62.5° | 113.8 | 112.0 | 108.5 | 99.8 | 87.5 | 73.5 | 64.8 | 57.8 | 52.5 | 49.0 | 47.3 |
| 65° | 91.0 | 89.3 | 85.8 | 78.8 | 70.0 | 61.3 | 54.3 | 49.0 | 45.5 | 42.0 | 40.3 |
| 67.5° | 70.0 | 70.0 | 66.5 | 61.3 | 54.3 | 49.0 | 43.8 | 40.3 | 36.8 | 35.0 | 33.3 |
| 70° | 50.8 | 50.8 | 49.0 | 45.5 | 40.3 | 36.8 | 33.3 | 31.5 | 29.8 | 28.0 | 26.3 |
| 72.5° | 35.0 | 35.0 | 33.3 | 31.5 | 28.0 | 26.3 | 22.8 | 22.8 | 21.0 | 21.0 | 19.3 |
| 75° | 19.3 | 19.3 | 19.3 | 17.5 | 17.5 | 15.8 | 15.8 | 15.8 | 14.0 | 14.0 | 14.0 |
| 77.5° | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| 80° | 1.8 | 1.8 | 1.8 | 1.8 | 3.5 | 3.5 | 3.5 | 3.5 | 5.3 | 5.3 | 5.3 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 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° | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 | 302.8 |
| 2.5° | 299.3 | 294.0 | 290.5 | 288.8 | 283.5 | 281.8 | 280.0 | 278.3 | 278.3 | 278.3 |
| 5° | 292.3 | 283.5 | 274.8 | 269.5 | 262.5 | 259.0 | 255.5 | 253.8 | 252.0 | 252.0 |
| 7.5° | 280.0 | 269.5 | 259.0 | 250.3 | 243.3 | 236.3 | 232.8 | 229.3 | 229.3 | 227.5 |
| 10° | 267.8 | 253.8 | 241.5 | 229.3 | 222.3 | 213.5 | 210.0 | 206.5 | 204.8 | 204.8 |
| 12.5° | 253.8 | 236.3 | 222.3 | 211.8 | 201.3 | 194.3 | 189.0 | 185.5 | 183.8 | 183.8 |
| 15° | 238.0 | 220.5 | 204.8 | 194.3 | 183.8 | 175.0 | 169.8 | 166.3 | 164.5 | 164.5 |
| 17.5° | 222.3 | 204.8 | 187.3 | 176.8 | 166.3 | 157.5 | 154.0 | 150.5 | 148.8 | 147.0 |
| 20° | 208.3 | 187.3 | 173.3 | 159.3 | 150.5 | 143.5 | 138.3 | 134.8 | 133.0 | 133.0 |
| 22.5° | 192.5 | 173.3 | 157.5 | 147.0 | 138.3 | 131.3 | 124.3 | 122.5 | 120.8 | 120.8 |
| 25° | 176.8 | 159.3 | 145.3 | 134.8 | 124.3 | 119.0 | 113.8 | 110.3 | 110.3 | 108.5 |
| 27.5° | 164.5 | 147.0 | 133.0 | 122.5 | 115.5 | 108.5 | 105.0 | 101.5 | 99.8 | 99.8 |
| 30° | 150.5 | 134.8 | 122.5 | 113.8 | 105.0 | 99.8 | 96.3 | 92.8 | 92.8 | 92.8 |
| 31° | 147.0 | 131.3 | 119.0 | 108.5 | 101.5 | 96.3 | 92.8 | 91.0 | 89.3 | 89.3 |
| 32.5° | 138.3 | 124.3 | 112.0 | 103.3 | 96.3 | 91.0 | 87.5 | 85.8 | 85.8 | 84.0 |
| 35° | 127.8 | 113.8 | 103.3 | 94.5 | 89.3 | 84.0 | 80.5 | 78.8 | 78.8 | 78.8 |
| 37.5° | 117.3 | 105.0 | 94.5 | 87.5 | 82.3 | 77.0 | 75.3 | 71.8 | 71.8 | 71.8 |
| 40° | 106.8 | 96.3 | 87.5 | 80.5 | 75.3 | 71.8 | 70.0 | 68.3 | 66.5 | 66.5 |
| 42.5° | 98.0 | 87.5 | 80.5 | 75.3 | 70.0 | 66.5 | 64.8 | 63.0 | 63.0 | 61.3 |
| 45° | 89.3 | 80.5 | 75.3 | 70.0 | 64.8 | 63.0 | 61.3 | 59.5 | 57.8 | 57.8 |
| 47.5° | 82.3 | 75.3 | 68.3 | 64.8 | 61.3 | 57.8 | 56.0 | 56.0 | 54.3 | 54.3 |
| 50° | 75.3 | 68.3 | 63.0 | 59.5 | 56.0 | 54.3 | 52.5 | 52.5 | 50.8 | 50.8 |
| 52.5° | 70.0 | 63.0 | 59.5 | 56.0 | 52.5 | 50.8 | 49.0 | 49.0 | 47.3 | 47.3 |
| 55° | 63.0 | 57.8 | 54.3 | 52.5 | 49.0 | 47.3 | 45.5 | 43.8 | 43.8 | 45.5 |
| 57.5° | 57.8 | 54.3 | 50.8 | 49.0 | 45.5 | 43.8 | 42.0 | 42.0 | 40.3 | 42.0 |
| 60° | 52.5 | 49.0 | 45.5 | 43.8 | 42.0 | 40.3 | 38.5 | 36.8 | 36.8 | 36.8 |
| 62.5° | 47.3 | 43.8 | 42.0 | 38.5 | 36.8 | 36.8 | 35.0 | 35.0 | 35.0 | 33.3 |
| 65° | 40.3 | 38.5 | 36.8 | 35.0 | 33.3 | 31.5 | 31.5 | 29.8 | 29.8 | 29.8 |
| 67.5° | 33.3 | 31.5 | 29.8 | 29.8 | 28.0 | 26.3 | 26.3 | 26.3 | 26.3 | 24.5 |
| 70° | 26.3 | 24.5 | 24.5 | 22.8 | 22.8 | 22.8 | 21.0 | 21.0 | 21.0 | 21.0 |
| 72.5° | 19.3 | 19.3 | 17.5 | 17.5 | 17.5 | 17.5 | 15.8 | 15.8 | 15.8 | 15.8 |
| 75° | 14.0 | 14.0 | 14.0 | 12.3 | 12.3 | 12.3 | 10.5 | 10.5 | 10.5 | 10.5 |
| 77.5° | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 80° | 5.3 | 5.3 | 5.3 | 5.3 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 1.8 |
| 82.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 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)