

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: P3ART20R709024D010 E3CLSWW1MMS

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: P3ART20R709024D010 E3CLSWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3CLSWW1MMS TRIM
Light Source: -
Ballast/Driver: -

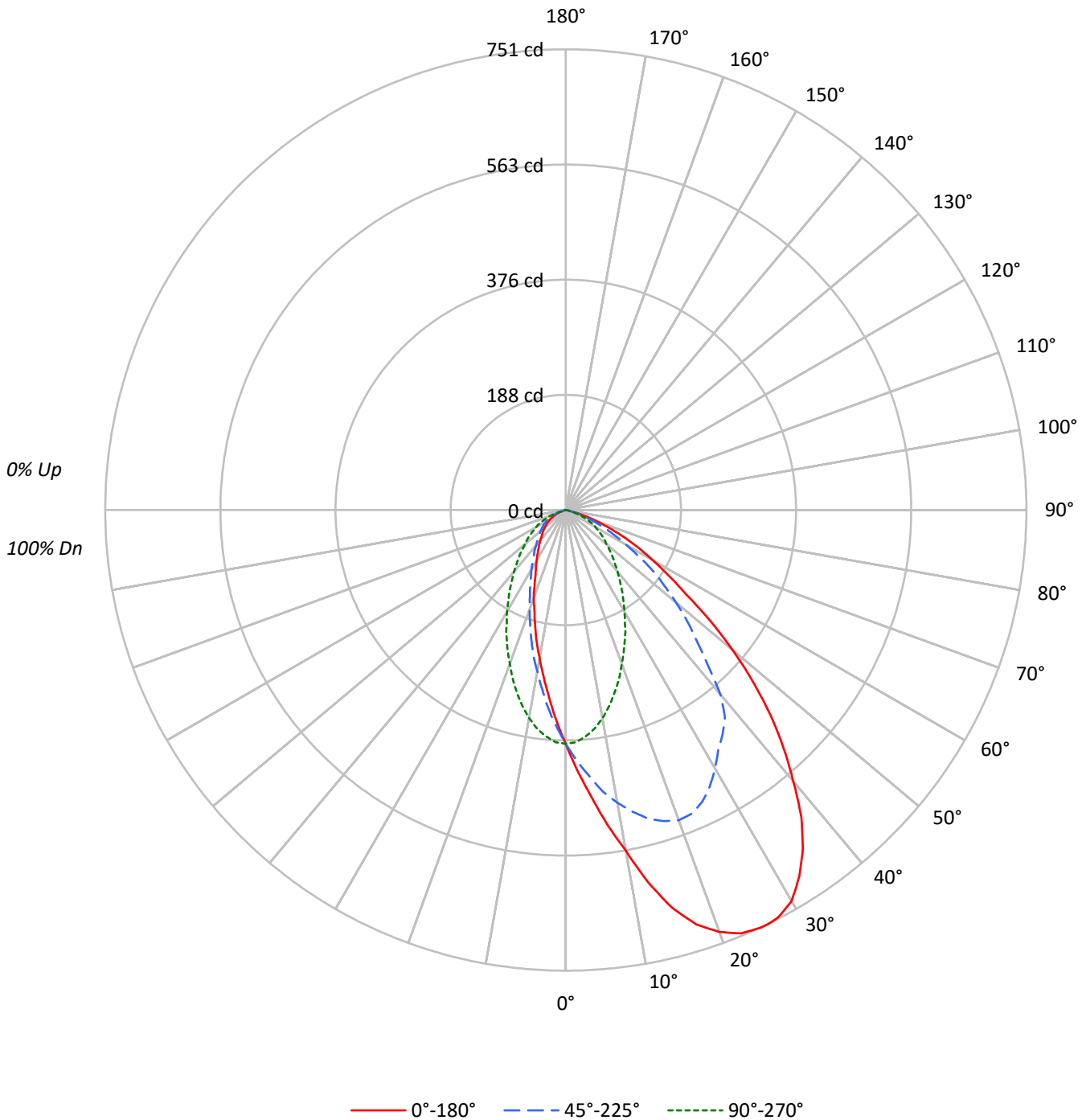
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 759.0 lumens
Efficiency: N/A
Efficacy: 26.4 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): 28.8
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: P3ART20R709024D010 E3CLSWW1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709024D010 E3CLSWW1MMS

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° | 83546 | 83546 | 83546 | 83546 | 83546 |
| 5° | 102817 | 95729 | 81510 | 71560 | 67752 |
| 10° | 125582 | 107858 | 76685 | 59429 | 54642 |
| 15° | 152464 | 118275 | 69876 | 49353 | 43973 |
| 20° | 170792 | 125591 | 62282 | 40183 | 35656 |
| 25° | 181777 | 127096 | 55213 | 33341 | 28115 |
| 30° | 186408 | 123184 | 48514 | 28333 | 23978 |
| 35° | 180371 | 119284 | 42643 | 24199 | 20746 |
| 40° | 165138 | 112153 | 37585 | 21555 | 18492 |
| 45° | 146186 | 93467 | 33368 | 20033 | 16684 |
| 50° | 121173 | 80031 | 29372 | 18353 | 15420 |
| 55° | 91371 | 66674 | 27144 | 17280 | 13992 |
| 60° | 71749 | 50040 | 24559 | 16051 | 12280 |
| 65° | 53598 | 36839 | 21221 | 13387 | 10066 |
| 70° | 34493 | 23465 | 15195 | 9681 | 5514 |
| 75° | 14572 | 12793 | 7286 | 3643 | 1864 |
| 80° | 2778 | 2778 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 146186 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART20R709024D010 E3CLSWW1MMS

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 36.2 | 4.8 |
| 10°-20° | 104.0 | 13.7 |
| 20°-30° | 152.1 | 20.0 |
| 30°-40° | 165.7 | 21.8 |
| 40°-50° | 143.4 | 18.9 |
| 50°-60° | 96.1 | 12.7 |
| 60°-70° | 49.6 | 6.5 |
| 70°-80° | 11.8 | 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° | 292.3 | 38.5 |
| 0°-40° | 458.0 | 60.3 |
| 0°-60° | 697.5 | 91.9 |
| 0°-90° | 759.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 759.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 381 | 381 | 381 | 381 | 381 | |
| 5° | 467 | 435 | 370 | 325 | 308 | 48 |
| 15° | 672 | 521 | 308 | 217 | 194 | 190 |
| 25° | 751 | 525 | 228 | 138 | 116 | 345 |
| 35° | 674 | 446 | 159 | 90 | 78 | 417 |
| 45° | 471 | 301 | 108 | 65 | 54 | 361 |
| 55° | 239 | 174 | 71 | 45 | 37 | 221 |
| 65° | 103 | 71 | 41 | 26 | 19 | 104 |
| 75° | 17 | 15 | 9 | 4 | 2 | 23 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709024D010 E3CLSWW1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 |
| 2.5° | 424.1 | 421.9 | 421.9 | 417.6 | 413.3 | 409.0 | 402.6 | 396.1 | 389.6 | 383.2 | 378.9 |
| 5° | 467.1 | 469.3 | 467.1 | 458.5 | 447.8 | 434.9 | 421.9 | 406.9 | 391.8 | 378.9 | 370.3 |
| 7.5° | 516.7 | 516.7 | 510.2 | 499.4 | 484.4 | 462.8 | 441.3 | 415.5 | 391.8 | 370.3 | 359.5 |
| 10° | 564.0 | 564.0 | 553.2 | 536.0 | 512.3 | 484.4 | 454.2 | 419.8 | 387.5 | 357.4 | 344.4 |
| 12.5° | 622.1 | 620.0 | 607.1 | 579.1 | 544.6 | 503.7 | 462.8 | 419.8 | 381.0 | 344.4 | 327.2 |
| 15° | 671.6 | 669.5 | 652.3 | 617.8 | 572.6 | 521.0 | 465.0 | 415.5 | 368.1 | 327.2 | 307.8 |
| 17.5° | 708.2 | 703.9 | 684.6 | 648.0 | 596.3 | 531.7 | 467.1 | 406.9 | 353.0 | 307.8 | 288.5 |
| 20° | 731.9 | 729.8 | 708.2 | 665.2 | 609.2 | 538.2 | 465.0 | 396.1 | 338.0 | 288.5 | 266.9 |
| 22.5° | 747.0 | 742.7 | 721.2 | 673.8 | 609.2 | 536.0 | 456.4 | 381.0 | 318.6 | 269.1 | 247.6 |
| 25° | 751.3 | 749.1 | 723.3 | 671.6 | 602.8 | 525.3 | 443.5 | 366.0 | 299.2 | 249.7 | 228.2 |
| 26° | 751.3 | 749.1 | 723.3 | 669.5 | 598.5 | 518.8 | 437.0 | 359.5 | 292.8 | 241.1 | 221.7 |
| 27.5° | 749.1 | 747.0 | 719.0 | 663.0 | 589.8 | 508.0 | 424.1 | 346.6 | 279.9 | 230.3 | 208.8 |
| 30° | 736.2 | 731.9 | 703.9 | 648.0 | 570.5 | 486.5 | 402.6 | 327.2 | 260.5 | 211.0 | 191.6 |
| 32.5° | 708.2 | 703.9 | 673.8 | 622.1 | 548.9 | 462.8 | 378.9 | 305.7 | 241.1 | 191.6 | 174.4 |
| 35° | 673.8 | 669.5 | 639.4 | 589.8 | 518.8 | 445.6 | 353.0 | 282.0 | 219.6 | 176.5 | 159.3 |
| 37.5° | 630.7 | 624.3 | 598.5 | 546.8 | 482.2 | 426.2 | 331.5 | 258.3 | 200.2 | 159.3 | 144.2 |
| 40° | 576.9 | 574.8 | 551.1 | 503.7 | 439.2 | 391.8 | 318.6 | 258.3 | 183.0 | 144.2 | 131.3 |
| 42.5° | 525.3 | 521.0 | 499.4 | 458.5 | 400.4 | 342.3 | 279.9 | 247.6 | 170.1 | 129.2 | 118.4 |
| 45° | 471.4 | 467.1 | 447.8 | 413.3 | 359.5 | 301.4 | 301.4 | 213.1 | 146.4 | 118.4 | 107.6 |
| 47.5° | 413.3 | 409.0 | 393.9 | 368.1 | 320.8 | 269.1 | 219.6 | 174.4 | 133.5 | 105.5 | 96.9 |
| 50° | 355.2 | 357.4 | 344.4 | 318.6 | 282.0 | 234.6 | 189.4 | 146.4 | 114.1 | 94.7 | 86.1 |
| 52.5° | 297.1 | 294.9 | 286.3 | 269.1 | 243.3 | 202.4 | 161.5 | 124.9 | 99.0 | 84.0 | 79.7 |
| 55° | 239.0 | 241.1 | 236.8 | 226.0 | 204.5 | 174.4 | 135.6 | 107.6 | 88.3 | 75.3 | 71.0 |
| 57.5° | 198.1 | 200.2 | 191.6 | 185.1 | 167.9 | 142.1 | 111.9 | 90.4 | 75.3 | 66.7 | 62.4 |
| 60° | 163.6 | 165.8 | 159.3 | 150.7 | 137.8 | 114.1 | 90.4 | 75.3 | 66.7 | 60.3 | 56.0 |
| 62.5° | 133.5 | 131.3 | 127.0 | 118.4 | 107.6 | 90.4 | 73.2 | 62.4 | 56.0 | 51.7 | 49.5 |
| 65° | 103.3 | 103.3 | 99.0 | 92.6 | 84.0 | 71.0 | 58.1 | 51.7 | 47.4 | 43.1 | 40.9 |
| 67.5° | 77.5 | 77.5 | 73.2 | 68.9 | 60.3 | 51.7 | 45.2 | 40.9 | 38.7 | 34.4 | 32.3 |
| 70° | 53.8 | 53.8 | 51.7 | 49.5 | 43.1 | 36.6 | 34.4 | 30.1 | 28.0 | 25.8 | 23.7 |
| 72.5° | 34.4 | 34.4 | 34.4 | 30.1 | 28.0 | 23.7 | 23.7 | 21.5 | 19.4 | 17.2 | 17.2 |
| 75° | 17.2 | 19.4 | 17.2 | 17.2 | 15.1 | 15.1 | 12.9 | 12.9 | 10.8 | 10.8 | 8.6 |
| 77.5° | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 80° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 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: P3ART20R709024D010 E3CLSWW1MMS

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 |
| 2.5° | 374.6 | 368.1 | 363.8 | 357.4 | 353.0 | 348.7 | 346.6 | 344.4 | 344.4 | 344.4 |
| 5° | 363.8 | 353.0 | 342.3 | 331.5 | 325.1 | 318.6 | 312.1 | 310.0 | 307.8 | 307.8 |
| 7.5° | 350.9 | 333.7 | 318.6 | 305.7 | 294.9 | 288.5 | 282.0 | 277.7 | 275.5 | 275.5 |
| 10° | 333.7 | 312.1 | 294.9 | 277.7 | 266.9 | 258.3 | 254.0 | 247.6 | 247.6 | 245.4 |
| 12.5° | 314.3 | 288.5 | 269.1 | 254.0 | 243.3 | 232.5 | 226.0 | 221.7 | 219.6 | 219.6 |
| 15° | 292.8 | 266.9 | 245.4 | 228.2 | 217.4 | 206.7 | 200.2 | 195.9 | 193.7 | 193.7 |
| 17.5° | 271.2 | 243.3 | 221.7 | 204.5 | 193.7 | 183.0 | 176.5 | 172.2 | 172.2 | 170.1 |
| 20° | 249.7 | 221.7 | 200.2 | 183.0 | 172.2 | 163.6 | 157.1 | 152.8 | 150.7 | 152.8 |
| 22.5° | 230.3 | 202.4 | 180.8 | 165.8 | 152.8 | 144.2 | 137.8 | 135.6 | 133.5 | 133.5 |
| 25° | 208.8 | 183.0 | 163.6 | 148.5 | 137.8 | 129.2 | 122.7 | 120.6 | 118.4 | 116.2 |
| 26° | 202.4 | 176.5 | 157.1 | 142.1 | 131.3 | 122.7 | 118.4 | 114.1 | 111.9 | 111.9 |
| 27.5° | 193.7 | 165.8 | 148.5 | 133.5 | 122.7 | 116.2 | 109.8 | 107.6 | 105.5 | 105.5 |
| 30° | 174.4 | 150.7 | 133.5 | 120.6 | 111.9 | 103.3 | 99.0 | 96.9 | 94.7 | 94.7 |
| 32.5° | 159.3 | 135.6 | 120.6 | 109.8 | 101.2 | 94.7 | 90.4 | 86.1 | 86.1 | 86.1 |
| 35° | 144.2 | 122.7 | 109.8 | 99.0 | 90.4 | 84.0 | 81.8 | 79.7 | 77.5 | 77.5 |
| 37.5° | 131.3 | 111.9 | 99.0 | 90.4 | 84.0 | 77.5 | 73.2 | 71.0 | 71.0 | 71.0 |
| 40° | 118.4 | 103.3 | 90.4 | 81.8 | 75.3 | 71.0 | 66.7 | 64.6 | 64.6 | 64.6 |
| 42.5° | 107.6 | 92.6 | 84.0 | 75.3 | 68.9 | 64.6 | 62.4 | 60.3 | 58.1 | 58.1 |
| 45° | 99.0 | 86.1 | 75.3 | 68.9 | 64.6 | 60.3 | 56.0 | 53.8 | 53.8 | 53.8 |
| 47.5° | 88.3 | 79.7 | 68.9 | 62.4 | 58.1 | 53.8 | 51.7 | 49.5 | 49.5 | 49.5 |
| 50° | 81.8 | 73.2 | 64.6 | 58.1 | 53.8 | 49.5 | 47.4 | 45.2 | 45.2 | 45.2 |
| 52.5° | 73.2 | 66.7 | 60.3 | 53.8 | 49.5 | 45.2 | 43.1 | 40.9 | 40.9 | 40.9 |
| 55° | 66.7 | 60.3 | 53.8 | 49.5 | 45.2 | 40.9 | 38.7 | 36.6 | 36.6 | 36.6 |
| 57.5° | 60.3 | 53.8 | 49.5 | 45.2 | 40.9 | 38.7 | 34.4 | 34.4 | 32.3 | 32.3 |
| 60° | 53.8 | 47.4 | 43.1 | 40.9 | 36.6 | 34.4 | 30.1 | 28.0 | 28.0 | 28.0 |
| 62.5° | 45.2 | 43.1 | 38.7 | 34.4 | 30.1 | 28.0 | 25.8 | 23.7 | 23.7 | 23.7 |
| 65° | 38.7 | 36.6 | 32.3 | 28.0 | 25.8 | 23.7 | 21.5 | 19.4 | 19.4 | 19.4 |
| 67.5° | 32.3 | 28.0 | 25.8 | 23.7 | 21.5 | 19.4 | 17.2 | 15.1 | 12.9 | 15.1 |
| 70° | 23.7 | 21.5 | 19.4 | 17.2 | 15.1 | 12.9 | 10.8 | 10.8 | 8.6 | 8.6 |
| 72.5° | 15.1 | 12.9 | 12.9 | 10.8 | 8.6 | 8.6 | 6.5 | 6.5 | 4.3 | 4.3 |
| 75° | 8.6 | 8.6 | 6.5 | 6.5 | 4.3 | 4.3 | 2.2 | 2.2 | 2.2 | 2.2 |
| 77.5° | 4.3 | 2.2 | 2.2 | 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)