

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: P3ART20R709727D010 E3LSWW1GPH

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: P3ART20R709727D010 E3LSWW1GPH
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3LSWW1GPH TRIM
Light Source: -
Ballast/Driver: -

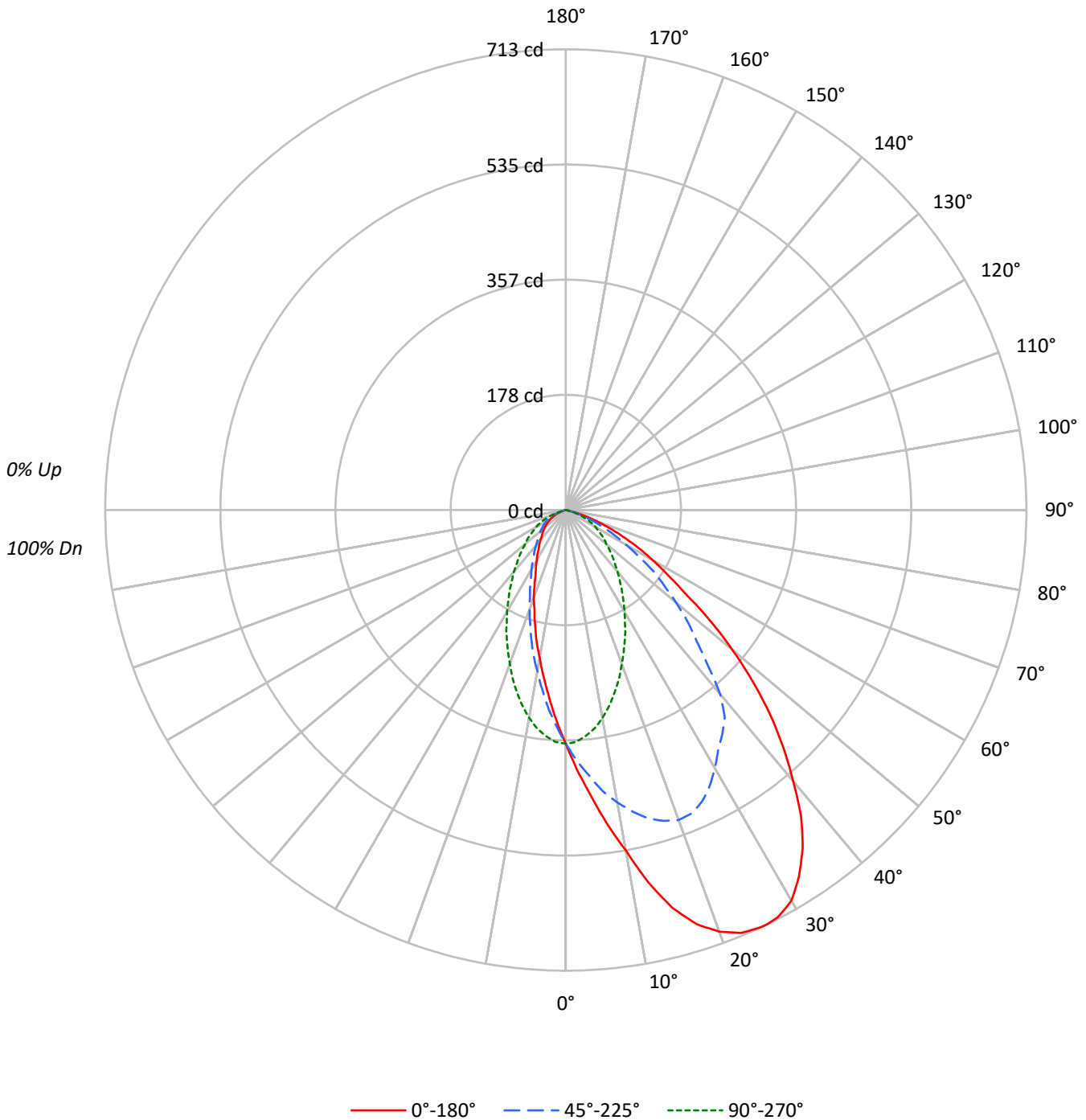
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 720.0 lumens
Efficiency: N/A
Efficacy: 25.0 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 (A_{in}): 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: P3ART20R709727D010 E3LSWW1GPH

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709727D010 E3LSWW1GPH

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° | 79270 | 79270 | 79270 | 79270 | 79270 |
| 5° | 97534 | 90799 | 77306 | 67884 | 64275 |
| 10° | 119125 | 102314 | 72744 | 56378 | 51836 |
| 15° | 144632 | 112191 | 66289 | 46833 | 41726 |
| 20° | 162017 | 119127 | 59085 | 38130 | 33836 |
| 25° | 172437 | 120563 | 52382 | 31623 | 26687 |
| 30° | 176837 | 116853 | 46007 | 26890 | 22763 |
| 35° | 171109 | 113154 | 40448 | 22968 | 19675 |
| 40° | 156665 | 106399 | 35667 | 20467 | 17547 |
| 45° | 138681 | 88660 | 31662 | 19010 | 15847 |
| 50° | 114930 | 75938 | 27871 | 17432 | 14635 |
| 55° | 86668 | 63233 | 25767 | 16401 | 13266 |
| 60° | 68065 | 47452 | 23288 | 15218 | 11622 |
| 65° | 50849 | 34971 | 20132 | 12712 | 9547 |
| 70° | 32762 | 22247 | 14426 | 9168 | 5257 |
| 75° | 13810 | 12115 | 6947 | 3474 | 1694 |
| 80° | 2526 | 2526 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 138681 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 34.3 | 4.8 |
| 10°-20° | 98.7 | 13.7 |
| 20°-30° | 144.3 | 20.0 |
| 30°-40° | 157.2 | 21.8 |
| 40°-50° | 136.1 | 18.9 |
| 50°-60° | 91.1 | 12.7 |
| 60°-70° | 47.1 | 6.5 |
| 70°-80° | 11.1 | 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° | 277.3 | 38.5 |
| 0°-40° | 434.5 | 60.3 |
| 0°-60° | 661.7 | 91.9 |
| 0°-90° | 720.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 720.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 362 | 362 | 362 | 362 | 362 | |
| 5° | 443 | 412 | 351 | 308 | 292 | 45 |
| 15° | 637 | 494 | 292 | 206 | 184 | 180 |
| 25° | 713 | 498 | 216 | 131 | 110 | 327 |
| 35° | 639 | 423 | 151 | 86 | 74 | 396 |
| 45° | 447 | 286 | 102 | 61 | 51 | 342 |
| 55° | 227 | 165 | 67 | 43 | 35 | 210 |
| 65° | 98 | 67 | 39 | 24 | 18 | 99 |
| 75° | 16 | 14 | 8 | 4 | 2 | 21 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709727D010 E3LSWW1GPH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 |
| 2.5° | 402.3 | 400.3 | 400.3 | 396.2 | 392.1 | 388.0 | 381.9 | 375.7 | 369.6 | 363.5 | 359.4 |
| 5° | 443.1 | 445.2 | 443.1 | 435.0 | 424.8 | 412.5 | 400.3 | 386.0 | 371.7 | 359.4 | 351.2 |
| 7.5° | 490.1 | 490.1 | 484.0 | 473.8 | 459.5 | 439.1 | 418.6 | 394.1 | 371.7 | 351.2 | 341.0 |
| 10° | 535.0 | 535.0 | 524.8 | 508.5 | 486.0 | 459.5 | 430.9 | 398.2 | 367.6 | 339.0 | 326.7 |
| 12.5° | 590.2 | 588.1 | 575.9 | 549.3 | 516.7 | 477.9 | 439.1 | 398.2 | 361.5 | 326.7 | 310.4 |
| 15° | 637.1 | 635.1 | 618.8 | 586.1 | 543.2 | 494.2 | 441.1 | 394.1 | 349.2 | 310.4 | 292.0 |
| 17.5° | 671.9 | 667.8 | 649.4 | 614.7 | 565.7 | 504.4 | 443.1 | 386.0 | 334.9 | 292.0 | 273.6 |
| 20° | 694.3 | 692.3 | 671.9 | 631.0 | 577.9 | 510.5 | 441.1 | 375.7 | 320.6 | 273.6 | 253.2 |
| 22.5° | 708.6 | 704.5 | 684.1 | 639.2 | 577.9 | 508.5 | 432.9 | 361.5 | 302.2 | 255.3 | 234.8 |
| 25° | 712.7 | 710.7 | 686.1 | 637.1 | 571.8 | 498.3 | 420.7 | 347.2 | 283.9 | 236.9 | 216.5 |
| 26° | 712.7 | 710.7 | 686.1 | 635.1 | 567.7 | 492.1 | 414.5 | 341.0 | 277.7 | 228.7 | 210.3 |
| 27.5° | 710.7 | 708.6 | 682.1 | 629.0 | 559.5 | 481.9 | 402.3 | 328.8 | 265.5 | 218.5 | 198.1 |
| 30° | 698.4 | 694.3 | 667.8 | 614.7 | 541.2 | 461.5 | 381.9 | 310.4 | 247.1 | 200.1 | 181.7 |
| 32.5° | 671.9 | 667.8 | 639.2 | 590.2 | 520.7 | 439.1 | 359.4 | 290.0 | 228.7 | 181.7 | 165.4 |
| 35° | 639.2 | 635.1 | 606.5 | 559.5 | 492.1 | 422.7 | 334.9 | 267.5 | 208.3 | 167.5 | 151.1 |
| 37.5° | 598.3 | 592.2 | 567.7 | 518.7 | 457.4 | 404.3 | 314.5 | 245.1 | 189.9 | 151.1 | 136.8 |
| 40° | 547.3 | 545.2 | 522.8 | 477.9 | 416.6 | 371.7 | 302.2 | 245.1 | 173.6 | 136.8 | 124.6 |
| 42.5° | 498.3 | 494.2 | 473.8 | 435.0 | 379.8 | 324.7 | 265.5 | 234.8 | 161.3 | 122.5 | 112.3 |
| 45° | 447.2 | 443.1 | 424.8 | 392.1 | 341.0 | 285.9 | 234.8 | 202.2 | 138.9 | 112.3 | 102.1 |
| 47.5° | 392.1 | 388.0 | 373.7 | 349.2 | 304.3 | 255.3 | 208.3 | 165.4 | 126.6 | 100.1 | 91.9 |
| 50° | 336.9 | 339.0 | 326.7 | 302.2 | 267.5 | 222.6 | 179.7 | 138.9 | 108.2 | 89.9 | 81.7 |
| 52.5° | 281.8 | 279.8 | 271.6 | 255.3 | 230.8 | 192.0 | 153.2 | 118.4 | 93.9 | 79.6 | 75.6 |
| 55° | 226.7 | 228.7 | 224.6 | 214.4 | 194.0 | 165.4 | 128.7 | 102.1 | 83.7 | 71.5 | 67.4 |
| 57.5° | 187.9 | 189.9 | 181.7 | 175.6 | 159.3 | 134.8 | 106.2 | 85.8 | 71.5 | 63.3 | 59.2 |
| 60° | 155.2 | 157.2 | 151.1 | 142.9 | 130.7 | 108.2 | 85.8 | 71.5 | 63.3 | 57.2 | 53.1 |
| 62.5° | 126.6 | 124.6 | 120.5 | 112.3 | 102.1 | 85.8 | 69.4 | 59.2 | 53.1 | 49.0 | 47.0 |
| 65° | 98.0 | 98.0 | 93.9 | 87.8 | 79.6 | 67.4 | 55.1 | 49.0 | 44.9 | 40.8 | 38.8 |
| 67.5° | 73.5 | 73.5 | 69.4 | 65.3 | 57.2 | 49.0 | 42.9 | 38.8 | 36.8 | 32.7 | 30.6 |
| 70° | 51.1 | 51.1 | 49.0 | 47.0 | 40.8 | 34.7 | 32.7 | 28.6 | 26.5 | 24.5 | 22.5 |
| 72.5° | 32.7 | 32.7 | 32.7 | 28.6 | 26.5 | 22.5 | 22.5 | 20.4 | 18.4 | 16.3 | 16.3 |
| 75° | 16.3 | 18.4 | 16.3 | 16.3 | 14.3 | 14.3 | 12.3 | 12.3 | 10.2 | 10.2 | 8.2 |
| 77.5° | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 80° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 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 |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709727D010 E3LSWW1GPH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 |
| 2.5° | 355.3 | 349.2 | 345.1 | 339.0 | 334.9 | 330.8 | 328.8 | 326.7 | 326.7 | 326.7 |
| 5° | 345.1 | 334.9 | 324.7 | 314.5 | 308.4 | 302.2 | 296.1 | 294.1 | 292.0 | 292.0 |
| 7.5° | 332.9 | 316.5 | 302.2 | 290.0 | 279.8 | 273.6 | 267.5 | 263.4 | 261.4 | 261.4 |
| 10° | 316.5 | 296.1 | 279.8 | 263.4 | 253.2 | 245.1 | 241.0 | 234.8 | 234.8 | 232.8 |
| 12.5° | 298.1 | 273.6 | 255.3 | 241.0 | 230.8 | 220.5 | 214.4 | 210.3 | 208.3 | 208.3 |
| 15° | 277.7 | 253.2 | 232.8 | 216.5 | 206.3 | 196.0 | 189.9 | 185.8 | 183.8 | 183.8 |
| 17.5° | 257.3 | 230.8 | 210.3 | 194.0 | 183.8 | 173.6 | 167.5 | 163.4 | 163.4 | 161.3 |
| 20° | 236.9 | 210.3 | 189.9 | 173.6 | 163.4 | 155.2 | 149.1 | 145.0 | 142.9 | 145.0 |
| 22.5° | 218.5 | 192.0 | 171.5 | 157.2 | 145.0 | 136.8 | 130.7 | 128.7 | 126.6 | 126.6 |
| 25° | 198.1 | 173.6 | 155.2 | 140.9 | 130.7 | 122.5 | 116.4 | 114.4 | 112.3 | 110.3 |
| 26° | 192.0 | 167.5 | 149.1 | 134.8 | 124.6 | 116.4 | 112.3 | 108.2 | 106.2 | 106.2 |
| 27.5° | 183.8 | 157.2 | 140.9 | 126.6 | 116.4 | 110.3 | 104.1 | 102.1 | 100.1 | 100.1 |
| 30° | 165.4 | 142.9 | 126.6 | 114.4 | 106.2 | 98.0 | 93.9 | 91.9 | 89.9 | 89.9 |
| 32.5° | 151.1 | 128.7 | 114.4 | 104.1 | 96.0 | 89.9 | 85.8 | 81.7 | 81.7 | 81.7 |
| 35° | 136.8 | 116.4 | 104.1 | 93.9 | 85.8 | 79.6 | 77.6 | 75.6 | 73.5 | 73.5 |
| 37.5° | 124.6 | 106.2 | 93.9 | 85.8 | 79.6 | 73.5 | 69.4 | 67.4 | 67.4 | 67.4 |
| 40° | 112.3 | 98.0 | 85.8 | 77.6 | 71.5 | 67.4 | 63.3 | 61.3 | 61.3 | 61.3 |
| 42.5° | 102.1 | 87.8 | 79.6 | 71.5 | 65.3 | 61.3 | 59.2 | 57.2 | 55.1 | 55.1 |
| 45° | 93.9 | 81.7 | 71.5 | 65.3 | 61.3 | 57.2 | 53.1 | 51.1 | 51.1 | 51.1 |
| 47.5° | 83.7 | 75.6 | 65.3 | 59.2 | 55.1 | 51.1 | 49.0 | 47.0 | 47.0 | 47.0 |
| 50° | 77.6 | 69.4 | 61.3 | 55.1 | 51.1 | 47.0 | 44.9 | 42.9 | 42.9 | 42.9 |
| 52.5° | 69.4 | 63.3 | 57.2 | 51.1 | 47.0 | 42.9 | 40.8 | 38.8 | 38.8 | 38.8 |
| 55° | 63.3 | 57.2 | 51.1 | 47.0 | 42.9 | 38.8 | 36.8 | 34.7 | 34.7 | 34.7 |
| 57.5° | 57.2 | 51.1 | 47.0 | 42.9 | 38.8 | 36.8 | 32.7 | 32.7 | 30.6 | 30.6 |
| 60° | 51.1 | 44.9 | 40.8 | 38.8 | 34.7 | 32.7 | 28.6 | 26.5 | 26.5 | 26.5 |
| 62.5° | 42.9 | 40.8 | 36.8 | 32.7 | 28.6 | 26.5 | 24.5 | 22.5 | 22.5 | 22.5 |
| 65° | 36.8 | 34.7 | 30.6 | 26.5 | 24.5 | 22.5 | 20.4 | 18.4 | 18.4 | 18.4 |
| 67.5° | 30.6 | 26.5 | 24.5 | 22.5 | 20.4 | 18.4 | 16.3 | 14.3 | 12.3 | 14.3 |
| 70° | 22.5 | 20.4 | 18.4 | 16.3 | 14.3 | 12.3 | 10.2 | 10.2 | 8.2 | 8.2 |
| 72.5° | 14.3 | 12.3 | 12.3 | 10.2 | 8.2 | 8.2 | 6.1 | 6.1 | 4.1 | 4.1 |
| 75° | 8.2 | 8.2 | 6.1 | 6.1 | 4.1 | 4.1 | 2.0 | 2.0 | 2.0 | 2.0 |
| 77.5° | 4.1 | 2.0 | 2.0 | 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)