

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: P3ART20R709827D010 E3LCWW1LI

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: P3ART20R709827D010 E3LCWW1LI
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3LCWW1LI TRIM
Light Source: -
Ballast/Driver: -

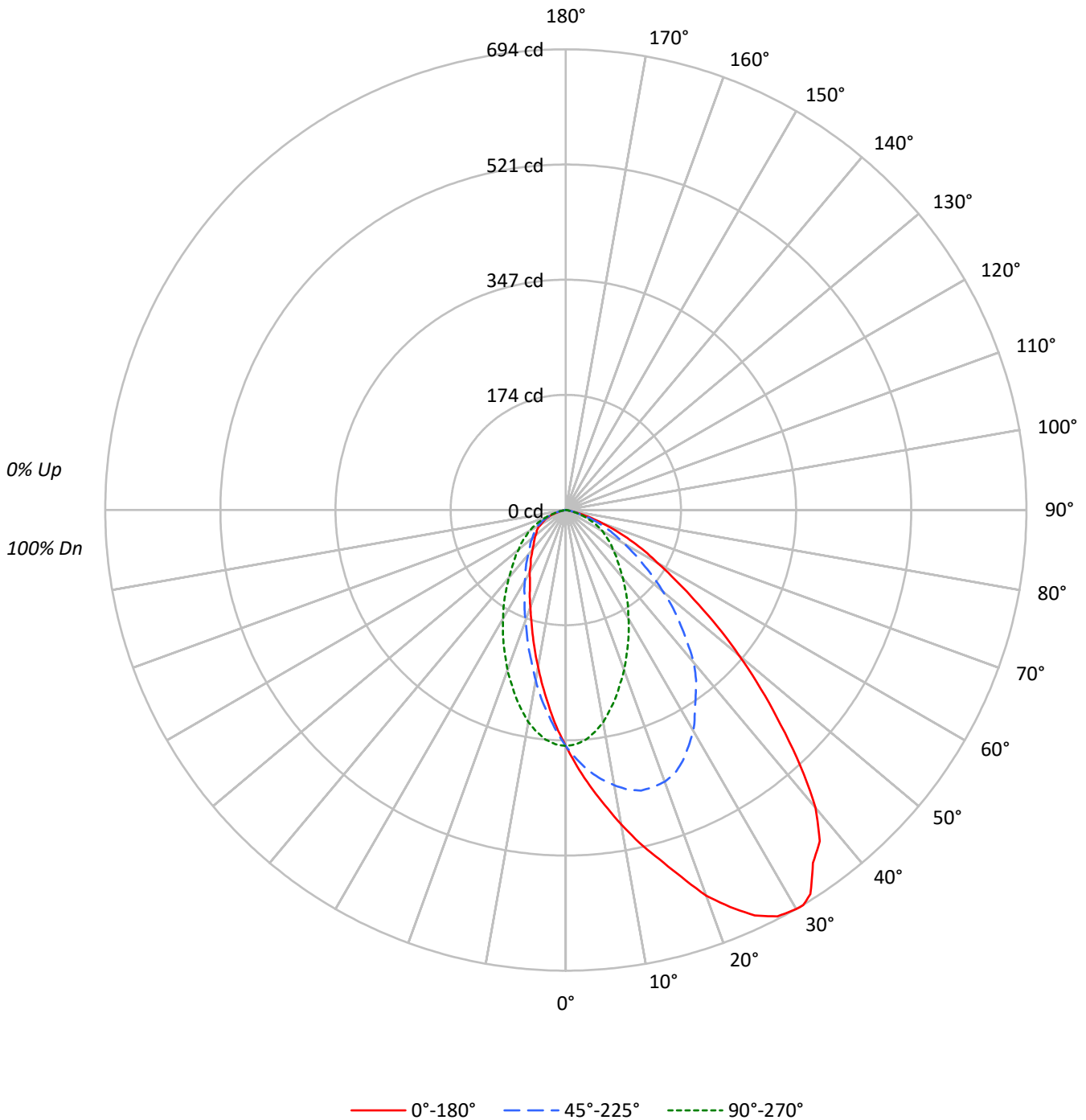
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 723.0 lumens
Efficiency: N/A
Efficacy: 26.4 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): 27.4
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: P3ART20R709827D010 E3LCWW1LI

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709827D010 E3LCWW1LI

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 | 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° | 77932 | 77932 | 77932 | 77932 | 77932 |
| 5° | 91789 | 86815 | 76425 | 67818 | 65111 |
| 10° | 107034 | 93764 | 72277 | 58093 | 53506 |
| 15° | 123588 | 99342 | 66221 | 48967 | 43837 |
| 20° | 144283 | 101626 | 59925 | 41234 | 36427 |
| 25° | 163026 | 100893 | 53689 | 35300 | 30824 |
| 30° | 175799 | 97255 | 47855 | 31220 | 27574 |
| 35° | 173759 | 91283 | 42884 | 28054 | 24735 |
| 40° | 167600 | 85847 | 38214 | 25276 | 22356 |
| 45° | 142061 | 75822 | 34391 | 23568 | 21025 |
| 50° | 116329 | 65158 | 31521 | 22413 | 20332 |
| 55° | 90300 | 54173 | 29858 | 21982 | 20415 |
| 60° | 70258 | 45040 | 27936 | 21621 | 18902 |
| 65° | 55414 | 37306 | 24490 | 20236 | 18108 |
| 70° | 38212 | 27633 | 19747 | 17118 | 15836 |
| 75° | 19148 | 15674 | 13895 | 12200 | 10421 |
| 80° | 2652 | 5177 | 7829 | 5177 | 2652 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 142061 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 33.2 | 4.6 |
| 10°-20° | 92.6 | 12.8 |
| 20°-30° | 136.5 | 18.9 |
| 30°-40° | 153.0 | 21.2 |
| 40°-50° | 134.5 | 18.6 |
| 50°-60° | 96.2 | 13.3 |
| 60°-70° | 57.0 | 7.9 |
| 70°-80° | 19.1 | 2.6 |
| 80°-90° | 0.9 | 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° | 262.3 | 36.3 |
| 0°-40° | 415.2 | 57.4 |
| 0°-60° | 646.0 | 89.3 |
| 0°-90° | 723.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 723.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 355 | 355 | 355 | 355 | 355 | |
| 5° | 417 | 394 | 347 | 308 | 296 | 42 |
| 15° | 544 | 438 | 292 | 216 | 193 | 157 |
| 25° | 674 | 417 | 222 | 146 | 127 | 310 |
| 35° | 649 | 341 | 160 | 105 | 92 | 408 |
| 45° | 458 | 244 | 111 | 76 | 68 | 354 |
| 55° | 236 | 142 | 78 | 58 | 53 | 216 |
| 65° | 107 | 72 | 47 | 39 | 35 | 107 |
| 75° | 23 | 18 | 16 | 14 | 12 | 27 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709827D010 E3LCWW1LI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 |
| 2.5° | 386.2 | 386.2 | 386.2 | 382.1 | 382.1 | 375.9 | 371.8 | 365.7 | 361.5 | 355.4 | 353.3 |
| 5° | 417.0 | 417.0 | 412.9 | 408.8 | 402.6 | 394.4 | 384.1 | 373.9 | 361.5 | 351.3 | 347.2 |
| 7.5° | 447.8 | 449.9 | 443.7 | 435.5 | 423.2 | 408.8 | 394.4 | 378.0 | 359.5 | 345.1 | 336.9 |
| 10° | 480.7 | 480.7 | 472.5 | 460.2 | 441.7 | 421.1 | 398.5 | 375.9 | 353.3 | 332.8 | 324.6 |
| 12.5° | 513.6 | 511.5 | 501.2 | 482.7 | 460.2 | 431.4 | 400.6 | 371.8 | 345.1 | 320.5 | 308.1 |
| 15° | 544.4 | 544.4 | 530.0 | 507.4 | 474.5 | 437.6 | 400.6 | 363.6 | 332.8 | 304.0 | 291.7 |
| 17.5° | 579.3 | 579.3 | 560.8 | 525.9 | 484.8 | 437.6 | 394.4 | 353.3 | 318.4 | 287.6 | 273.2 |
| 20° | 618.3 | 616.3 | 589.6 | 542.3 | 488.9 | 435.5 | 386.2 | 341.0 | 302.0 | 269.1 | 256.8 |
| 22.5° | 647.1 | 645.0 | 614.2 | 556.7 | 491.0 | 429.3 | 371.8 | 324.6 | 285.5 | 252.7 | 238.3 |
| 25° | 673.8 | 669.7 | 634.8 | 562.9 | 486.9 | 417.0 | 357.4 | 306.1 | 269.1 | 236.2 | 221.9 |
| 27.5° | 690.2 | 688.2 | 649.1 | 560.8 | 476.6 | 400.6 | 339.0 | 289.6 | 250.6 | 217.8 | 205.4 |
| 30° | 694.3 | 696.4 | 649.1 | 550.5 | 460.2 | 384.1 | 320.5 | 271.2 | 232.1 | 203.4 | 189.0 |
| 31° | 694.3 | 696.4 | 645.0 | 544.4 | 454.0 | 375.9 | 312.2 | 265.0 | 223.9 | 195.2 | 182.8 |
| 32.5° | 686.1 | 682.0 | 638.9 | 534.1 | 439.6 | 361.5 | 302.0 | 254.7 | 213.6 | 184.9 | 174.6 |
| 35° | 649.1 | 651.2 | 618.3 | 511.5 | 419.1 | 341.0 | 281.4 | 234.2 | 195.2 | 170.5 | 160.2 |
| 37.5° | 628.6 | 628.6 | 569.0 | 480.7 | 396.5 | 322.5 | 256.8 | 211.6 | 178.7 | 156.1 | 145.9 |
| 40° | 585.5 | 579.3 | 523.8 | 447.8 | 369.8 | 299.9 | 242.4 | 197.2 | 164.3 | 141.7 | 133.5 |
| 42.5° | 523.8 | 517.7 | 474.5 | 419.1 | 334.8 | 271.2 | 230.1 | 174.6 | 147.9 | 129.4 | 121.2 |
| 45° | 458.1 | 454.0 | 421.1 | 369.8 | 302.0 | 244.5 | 199.3 | 160.2 | 135.6 | 117.1 | 110.9 |
| 47.5° | 398.5 | 392.4 | 367.7 | 328.7 | 273.2 | 219.8 | 172.6 | 143.8 | 121.2 | 106.8 | 102.7 |
| 50° | 341.0 | 339.0 | 318.4 | 287.6 | 242.4 | 191.0 | 152.0 | 127.4 | 110.9 | 98.6 | 92.4 |
| 52.5° | 287.6 | 283.5 | 273.2 | 248.6 | 211.6 | 166.4 | 133.5 | 113.0 | 98.6 | 90.4 | 86.3 |
| 55° | 236.2 | 236.2 | 226.0 | 209.5 | 180.8 | 141.7 | 117.1 | 100.7 | 88.3 | 82.2 | 78.1 |
| 57.5° | 195.2 | 195.2 | 186.9 | 176.7 | 150.0 | 121.2 | 102.7 | 88.3 | 80.1 | 74.0 | 69.8 |
| 60° | 160.2 | 160.2 | 154.1 | 143.8 | 125.3 | 102.7 | 88.3 | 78.1 | 71.9 | 65.7 | 63.7 |
| 62.5° | 133.5 | 131.5 | 127.4 | 117.1 | 102.7 | 86.3 | 76.0 | 67.8 | 61.6 | 57.5 | 55.5 |
| 65° | 106.8 | 104.8 | 100.7 | 92.4 | 82.2 | 71.9 | 63.7 | 57.5 | 53.4 | 49.3 | 47.2 |
| 67.5° | 82.2 | 82.2 | 78.1 | 71.9 | 63.7 | 57.5 | 51.4 | 47.2 | 43.1 | 41.1 | 39.0 |
| 70° | 59.6 | 59.6 | 57.5 | 53.4 | 47.2 | 43.1 | 39.0 | 37.0 | 34.9 | 32.9 | 30.8 |
| 72.5° | 41.1 | 41.1 | 39.0 | 37.0 | 32.9 | 30.8 | 26.7 | 26.7 | 24.7 | 24.7 | 22.6 |
| 75° | 22.6 | 22.6 | 22.6 | 20.5 | 20.5 | 18.5 | 18.5 | 18.5 | 16.4 | 16.4 | 16.4 |
| 77.5° | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 |
| 80° | 2.1 | 2.1 | 2.1 | 2.1 | 4.1 | 4.1 | 4.1 | 4.1 | 6.2 | 6.2 | 6.2 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 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: P3ART20R709827D010 E3LCWW1LI

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 | 355.4 |
| 2.5° | 351.3 | 345.1 | 341.0 | 339.0 | 332.8 | 330.7 | 328.7 | 326.6 | 326.6 | 326.6 |
| 5° | 343.1 | 332.8 | 322.5 | 316.4 | 308.1 | 304.0 | 299.9 | 297.9 | 295.8 | 295.8 |
| 7.5° | 328.7 | 316.4 | 304.0 | 293.8 | 285.5 | 277.3 | 273.2 | 269.1 | 269.1 | 267.1 |
| 10° | 314.3 | 297.9 | 283.5 | 269.1 | 260.9 | 250.6 | 246.5 | 242.4 | 240.3 | 240.3 |
| 12.5° | 297.9 | 277.3 | 260.9 | 248.6 | 236.2 | 228.0 | 221.9 | 217.8 | 215.7 | 215.7 |
| 15° | 279.4 | 258.8 | 240.3 | 228.0 | 215.7 | 205.4 | 199.3 | 195.2 | 193.1 | 193.1 |
| 17.5° | 260.9 | 240.3 | 219.8 | 207.5 | 195.2 | 184.9 | 180.8 | 176.7 | 174.6 | 172.6 |
| 20° | 244.5 | 219.8 | 203.4 | 186.9 | 176.7 | 168.4 | 162.3 | 158.2 | 156.1 | 156.1 |
| 22.5° | 226.0 | 203.4 | 184.9 | 172.6 | 162.3 | 154.1 | 145.9 | 143.8 | 141.7 | 141.7 |
| 25° | 207.5 | 186.9 | 170.5 | 158.2 | 145.9 | 139.7 | 133.5 | 129.4 | 129.4 | 127.4 |
| 27.5° | 193.1 | 172.6 | 156.1 | 143.8 | 135.6 | 127.4 | 123.3 | 119.1 | 117.1 | 117.1 |
| 30° | 176.7 | 158.2 | 143.8 | 133.5 | 123.3 | 117.1 | 113.0 | 108.9 | 108.9 | 108.9 |
| 31° | 172.6 | 154.1 | 139.7 | 127.4 | 119.1 | 113.0 | 108.9 | 106.8 | 104.8 | 104.8 |
| 32.5° | 162.3 | 145.9 | 131.5 | 121.2 | 113.0 | 106.8 | 102.7 | 100.7 | 100.7 | 98.6 |
| 35° | 150.0 | 133.5 | 121.2 | 110.9 | 104.8 | 98.6 | 94.5 | 92.4 | 92.4 | 92.4 |
| 37.5° | 137.6 | 123.3 | 110.9 | 102.7 | 96.5 | 90.4 | 88.3 | 84.2 | 84.2 | 84.2 |
| 40° | 125.3 | 113.0 | 102.7 | 94.5 | 88.3 | 84.2 | 82.2 | 80.1 | 78.1 | 78.1 |
| 42.5° | 115.0 | 102.7 | 94.5 | 88.3 | 82.2 | 78.1 | 76.0 | 74.0 | 74.0 | 71.9 |
| 45° | 104.8 | 94.5 | 88.3 | 82.2 | 76.0 | 74.0 | 71.9 | 69.8 | 67.8 | 67.8 |
| 47.5° | 96.5 | 88.3 | 80.1 | 76.0 | 71.9 | 67.8 | 65.7 | 65.7 | 63.7 | 63.7 |
| 50° | 88.3 | 80.1 | 74.0 | 69.8 | 65.7 | 63.7 | 61.6 | 61.6 | 59.6 | 59.6 |
| 52.5° | 82.2 | 74.0 | 69.8 | 65.7 | 61.6 | 59.6 | 57.5 | 57.5 | 55.5 | 55.5 |
| 55° | 74.0 | 67.8 | 63.7 | 61.6 | 57.5 | 55.5 | 53.4 | 51.4 | 51.4 | 53.4 |
| 57.5° | 67.8 | 63.7 | 59.6 | 57.5 | 53.4 | 51.4 | 49.3 | 49.3 | 47.2 | 49.3 |
| 60° | 61.6 | 57.5 | 53.4 | 51.4 | 49.3 | 47.2 | 45.2 | 43.1 | 43.1 | 43.1 |
| 62.5° | 55.5 | 51.4 | 49.3 | 45.2 | 43.1 | 43.1 | 41.1 | 41.1 | 41.1 | 39.0 |
| 65° | 47.2 | 45.2 | 43.1 | 41.1 | 39.0 | 37.0 | 37.0 | 34.9 | 34.9 | 34.9 |
| 67.5° | 39.0 | 37.0 | 34.9 | 34.9 | 32.9 | 30.8 | 30.8 | 30.8 | 30.8 | 28.8 |
| 70° | 30.8 | 28.8 | 28.8 | 26.7 | 26.7 | 26.7 | 24.7 | 24.7 | 24.7 | 24.7 |
| 72.5° | 22.6 | 22.6 | 20.5 | 20.5 | 20.5 | 20.5 | 18.5 | 18.5 | 18.5 | 18.5 |
| 75° | 16.4 | 16.4 | 16.4 | 14.4 | 14.4 | 14.4 | 12.3 | 12.3 | 12.3 | 12.3 |
| 77.5° | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 |
| 80° | 6.2 | 6.2 | 6.2 | 6.2 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 2.1 |
| 82.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 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)