

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: P3ART20R709027D010 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: P3ART20R709027D010 E3LCWW1LI
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LCWW1LI TRIM
Light Source: -
Ballast/Driver: -

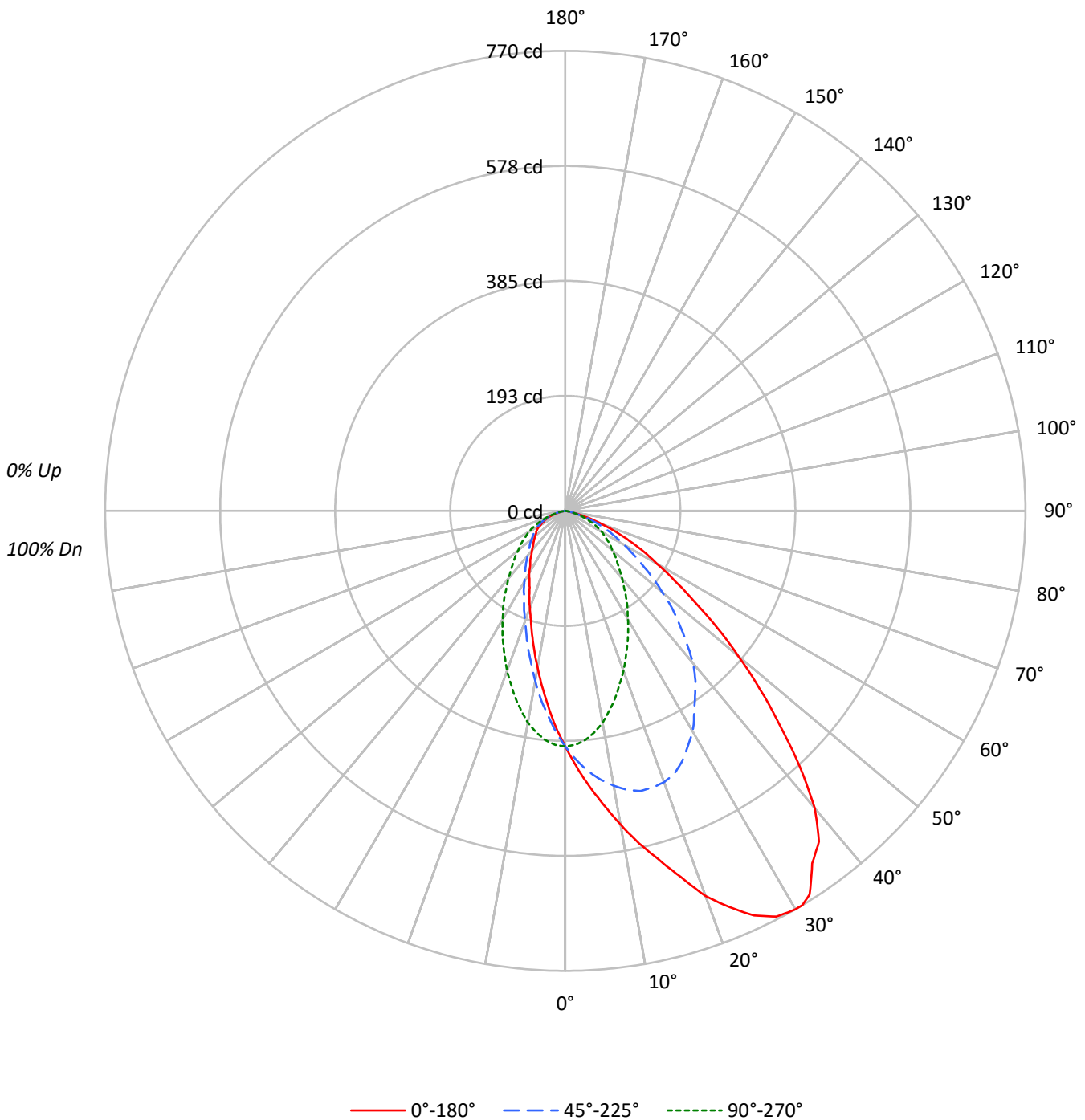
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 802.0 lumens
Efficiency: N/A
Efficacy: 27.8 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): 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: P3ART20R709027D010 E3LCWW1LI

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709027D010 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 |
| 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° | 86440 | 86440 | 86440 | 86440 | 86440 |
| 5° | 101827 | 96302 | 84768 | 75236 | 72221 |
| 10° | 118724 | 104006 | 80159 | 64439 | 59362 |
| 15° | 137095 | 110194 | 73462 | 54325 | 48627 |
| 20° | 160057 | 112733 | 66459 | 45737 | 40417 |
| 25° | 180833 | 111926 | 59544 | 39147 | 34187 |
| 30° | 195017 | 107890 | 53071 | 34613 | 30587 |
| 35° | 192765 | 101268 | 47569 | 31106 | 27438 |
| 40° | 185891 | 95236 | 42394 | 28053 | 24789 |
| 45° | 157598 | 84102 | 38175 | 26142 | 23320 |
| 50° | 129053 | 72288 | 34967 | 24869 | 22549 |
| 55° | 100202 | 60098 | 33108 | 24391 | 22632 |
| 60° | 77932 | 49952 | 30962 | 23989 | 21007 |
| 65° | 61485 | 41405 | 27188 | 22467 | 20080 |
| 70° | 42379 | 30710 | 21927 | 18978 | 17503 |
| 75° | 21266 | 17368 | 15420 | 13556 | 11607 |
| 80° | 2904 | 5809 | 8587 | 5809 | 2904 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 157598 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 36.9 | 4.6 |
| 10°-20° | 102.7 | 12.8 |
| 20°-30° | 151.4 | 18.9 |
| 30°-40° | 169.7 | 21.2 |
| 40°-50° | 149.2 | 18.6 |
| 50°-60° | 106.8 | 13.3 |
| 60°-70° | 63.2 | 7.9 |
| 70°-80° | 21.2 | 2.6 |
| 80°-90° | 1.0 | 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° | 290.9 | 36.3 |
| 0°-40° | 460.6 | 57.4 |
| 0°-60° | 716.6 | 89.3 |
| 0°-90° | 802.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 802.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 394 | 394 | 394 | 394 | 394 | |
| 5° | 463 | 438 | 385 | 342 | 328 | 46 |
| 15° | 604 | 485 | 324 | 239 | 214 | 174 |
| 25° | 747 | 463 | 246 | 162 | 141 | 344 |
| 35° | 720 | 378 | 178 | 116 | 102 | 452 |
| 45° | 508 | 271 | 123 | 84 | 75 | 393 |
| 55° | 262 | 157 | 87 | 64 | 59 | 240 |
| 65° | 118 | 80 | 52 | 43 | 39 | 118 |
| 75° | 25 | 20 | 18 | 16 | 14 | 31 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709027D010 E3LCWW1LI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 394.2 | 394.2 | 394.2 | 394.2 | 394.2 | 394.2 | 394.2 | 394.2 | 394.2 | 394.2 | 394.2 |
| 2.5° | 428.4 | 428.4 | 428.4 | 423.8 | 423.8 | 417.0 | 412.4 | 405.6 | 401.1 | 394.2 | 391.9 |
| 5° | 462.6 | 462.6 | 458.0 | 453.5 | 446.6 | 437.5 | 426.1 | 414.7 | 401.1 | 389.7 | 385.1 |
| 7.5° | 496.8 | 499.0 | 492.2 | 483.1 | 469.4 | 453.5 | 437.5 | 419.3 | 398.8 | 382.8 | 373.7 |
| 10° | 533.2 | 533.2 | 524.1 | 510.4 | 489.9 | 467.1 | 442.1 | 417.0 | 391.9 | 369.2 | 360.0 |
| 12.5° | 569.7 | 567.4 | 556.0 | 535.5 | 510.4 | 478.5 | 444.3 | 412.4 | 382.8 | 355.5 | 341.8 |
| 15° | 603.9 | 603.9 | 587.9 | 562.8 | 526.4 | 485.4 | 444.3 | 403.3 | 369.2 | 337.2 | 323.6 |
| 17.5° | 642.6 | 642.6 | 622.1 | 583.3 | 537.8 | 485.4 | 437.5 | 391.9 | 353.2 | 319.0 | 303.1 |
| 20° | 685.9 | 683.6 | 654.0 | 601.6 | 542.3 | 483.1 | 428.4 | 378.3 | 335.0 | 298.5 | 284.8 |
| 22.5° | 717.8 | 715.5 | 681.3 | 617.5 | 544.6 | 476.3 | 412.4 | 360.0 | 316.7 | 280.3 | 264.3 |
| 25° | 747.4 | 742.9 | 704.1 | 624.4 | 540.1 | 462.6 | 396.5 | 339.5 | 298.5 | 262.1 | 246.1 |
| 27.5° | 765.6 | 763.4 | 720.1 | 622.1 | 528.7 | 444.3 | 376.0 | 321.3 | 278.0 | 241.5 | 227.9 |
| 30° | 770.2 | 772.5 | 720.1 | 610.7 | 510.4 | 426.1 | 355.5 | 300.8 | 257.5 | 225.6 | 209.6 |
| 31° | 770.2 | 772.5 | 715.5 | 603.9 | 503.6 | 417.0 | 346.4 | 294.0 | 248.4 | 216.5 | 202.8 |
| 32.5° | 761.1 | 756.5 | 708.7 | 592.5 | 487.6 | 401.1 | 335.0 | 282.6 | 237.0 | 205.1 | 193.7 |
| 35° | 720.1 | 722.4 | 685.9 | 567.4 | 464.9 | 378.3 | 312.2 | 259.8 | 216.5 | 189.1 | 177.7 |
| 37.5° | 697.3 | 697.3 | 631.2 | 533.2 | 439.8 | 357.8 | 284.8 | 234.7 | 198.2 | 173.2 | 161.8 |
| 40° | 649.4 | 642.6 | 581.1 | 496.8 | 410.2 | 332.7 | 268.9 | 218.8 | 182.3 | 157.2 | 148.1 |
| 42.5° | 581.1 | 574.2 | 526.4 | 464.9 | 371.4 | 300.8 | 255.2 | 193.7 | 164.1 | 143.6 | 134.4 |
| 45° | 508.2 | 503.6 | 467.1 | 410.2 | 335.0 | 271.2 | 221.0 | 177.7 | 150.4 | 129.9 | 123.1 |
| 47.5° | 442.1 | 435.2 | 407.9 | 364.6 | 303.1 | 243.8 | 191.4 | 159.5 | 134.4 | 118.5 | 113.9 |
| 50° | 378.3 | 376.0 | 353.2 | 319.0 | 268.9 | 211.9 | 168.6 | 141.3 | 123.1 | 109.4 | 102.5 |
| 52.5° | 319.0 | 314.5 | 303.1 | 275.7 | 234.7 | 184.6 | 148.1 | 125.3 | 109.4 | 100.3 | 95.7 |
| 55° | 262.1 | 262.1 | 250.7 | 232.4 | 200.5 | 157.2 | 129.9 | 111.7 | 98.0 | 91.1 | 86.6 |
| 57.5° | 216.5 | 216.5 | 207.4 | 196.0 | 166.3 | 134.4 | 113.9 | 98.0 | 88.9 | 82.0 | 77.5 |
| 60° | 177.7 | 177.7 | 170.9 | 159.5 | 139.0 | 113.9 | 98.0 | 86.6 | 79.8 | 72.9 | 70.6 |
| 62.5° | 148.1 | 145.8 | 141.3 | 129.9 | 113.9 | 95.7 | 84.3 | 75.2 | 68.4 | 63.8 | 61.5 |
| 65° | 118.5 | 116.2 | 111.7 | 102.5 | 91.1 | 79.8 | 70.6 | 63.8 | 59.2 | 54.7 | 52.4 |
| 67.5° | 91.1 | 91.1 | 86.6 | 79.8 | 70.6 | 63.8 | 57.0 | 52.4 | 47.9 | 45.6 | 43.3 |
| 70° | 66.1 | 66.1 | 63.8 | 59.2 | 52.4 | 47.9 | 43.3 | 41.0 | 38.7 | 36.5 | 34.2 |
| 72.5° | 45.6 | 45.6 | 43.3 | 41.0 | 36.5 | 34.2 | 29.6 | 29.6 | 27.3 | 27.3 | 25.1 |
| 75° | 25.1 | 25.1 | 25.1 | 22.8 | 22.8 | 20.5 | 20.5 | 20.5 | 18.2 | 18.2 | 18.2 |
| 77.5° | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 |
| 80° | 2.3 | 2.3 | 2.3 | 2.3 | 4.6 | 4.6 | 4.6 | 4.6 | 6.8 | 6.8 | 6.8 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 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: P3ART20R709027D010 E3LCWW1LI

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 394.2 | 394.2 | 394.2 | 394.2 | 394.2 | 394.2 | 394.2 | 394.2 | 394.2 | 394.2 |
| 2.5° | 389.7 | 382.8 | 378.3 | 376.0 | 369.2 | 366.9 | 364.6 | 362.3 | 362.3 | 362.3 |
| 5° | 380.5 | 369.2 | 357.8 | 350.9 | 341.8 | 337.2 | 332.7 | 330.4 | 328.1 | 328.1 |
| 7.5° | 364.6 | 350.9 | 337.2 | 325.9 | 316.7 | 307.6 | 303.1 | 298.5 | 298.5 | 296.2 |
| 10° | 348.6 | 330.4 | 314.5 | 298.5 | 289.4 | 278.0 | 273.4 | 268.9 | 266.6 | 266.6 |
| 12.5° | 330.4 | 307.6 | 289.4 | 275.7 | 262.1 | 252.9 | 246.1 | 241.5 | 239.3 | 239.3 |
| 15° | 309.9 | 287.1 | 266.6 | 252.9 | 239.3 | 227.9 | 221.0 | 216.5 | 214.2 | 214.2 |
| 17.5° | 289.4 | 266.6 | 243.8 | 230.1 | 216.5 | 205.1 | 200.5 | 196.0 | 193.7 | 191.4 |
| 20° | 271.2 | 243.8 | 225.6 | 207.4 | 196.0 | 186.9 | 180.0 | 175.5 | 173.2 | 173.2 |
| 22.5° | 250.7 | 225.6 | 205.1 | 191.4 | 180.0 | 170.9 | 161.8 | 159.5 | 157.2 | 157.2 |
| 25° | 230.1 | 207.4 | 189.1 | 175.5 | 161.8 | 155.0 | 148.1 | 143.6 | 143.6 | 141.3 |
| 27.5° | 214.2 | 191.4 | 173.2 | 159.5 | 150.4 | 141.3 | 136.7 | 132.2 | 129.9 | 129.9 |
| 30° | 196.0 | 175.5 | 159.5 | 148.1 | 136.7 | 129.9 | 125.3 | 120.8 | 120.8 | 120.8 |
| 31° | 191.4 | 170.9 | 155.0 | 141.3 | 132.2 | 125.3 | 120.8 | 118.5 | 116.2 | 116.2 |
| 32.5° | 180.0 | 161.8 | 145.8 | 134.4 | 125.3 | 118.5 | 113.9 | 111.7 | 111.7 | 109.4 |
| 35° | 166.3 | 148.1 | 134.4 | 123.1 | 116.2 | 109.4 | 104.8 | 102.5 | 102.5 | 102.5 |
| 37.5° | 152.7 | 136.7 | 123.1 | 113.9 | 107.1 | 100.3 | 98.0 | 93.4 | 93.4 | 93.4 |
| 40° | 139.0 | 125.3 | 113.9 | 104.8 | 98.0 | 93.4 | 91.1 | 88.9 | 86.6 | 86.6 |
| 42.5° | 127.6 | 113.9 | 104.8 | 98.0 | 91.1 | 86.6 | 84.3 | 82.0 | 82.0 | 79.8 |
| 45° | 116.2 | 104.8 | 98.0 | 91.1 | 84.3 | 82.0 | 79.8 | 77.5 | 75.2 | 75.2 |
| 47.5° | 107.1 | 98.0 | 88.9 | 84.3 | 79.8 | 75.2 | 72.9 | 72.9 | 70.6 | 70.6 |
| 50° | 98.0 | 88.9 | 82.0 | 77.5 | 72.9 | 70.6 | 68.4 | 68.4 | 66.1 | 66.1 |
| 52.5° | 91.1 | 82.0 | 77.5 | 72.9 | 68.4 | 66.1 | 63.8 | 63.8 | 61.5 | 61.5 |
| 55° | 82.0 | 75.2 | 70.6 | 68.4 | 63.8 | 61.5 | 59.2 | 57.0 | 57.0 | 59.2 |
| 57.5° | 75.2 | 70.6 | 66.1 | 63.8 | 59.2 | 57.0 | 54.7 | 54.7 | 52.4 | 54.7 |
| 60° | 68.4 | 63.8 | 59.2 | 57.0 | 54.7 | 52.4 | 50.1 | 47.9 | 47.9 | 47.9 |
| 62.5° | 61.5 | 57.0 | 54.7 | 50.1 | 47.9 | 47.9 | 45.6 | 45.6 | 45.6 | 43.3 |
| 65° | 52.4 | 50.1 | 47.9 | 45.6 | 43.3 | 41.0 | 41.0 | 38.7 | 38.7 | 38.7 |
| 67.5° | 43.3 | 41.0 | 38.7 | 38.7 | 36.5 | 34.2 | 34.2 | 34.2 | 34.2 | 31.9 |
| 70° | 34.2 | 31.9 | 31.9 | 29.6 | 29.6 | 29.6 | 27.3 | 27.3 | 27.3 | 27.3 |
| 72.5° | 25.1 | 25.1 | 22.8 | 22.8 | 22.8 | 22.8 | 20.5 | 20.5 | 20.5 | 20.5 |
| 75° | 18.2 | 18.2 | 18.2 | 16.0 | 16.0 | 16.0 | 13.7 | 13.7 | 13.7 | 13.7 |
| 77.5° | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| 80° | 6.8 | 6.8 | 6.8 | 6.8 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 2.3 |
| 82.5° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 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)