

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: P3ART17R709835DE010 E3LCWW1H

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: P3ART17R709835DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

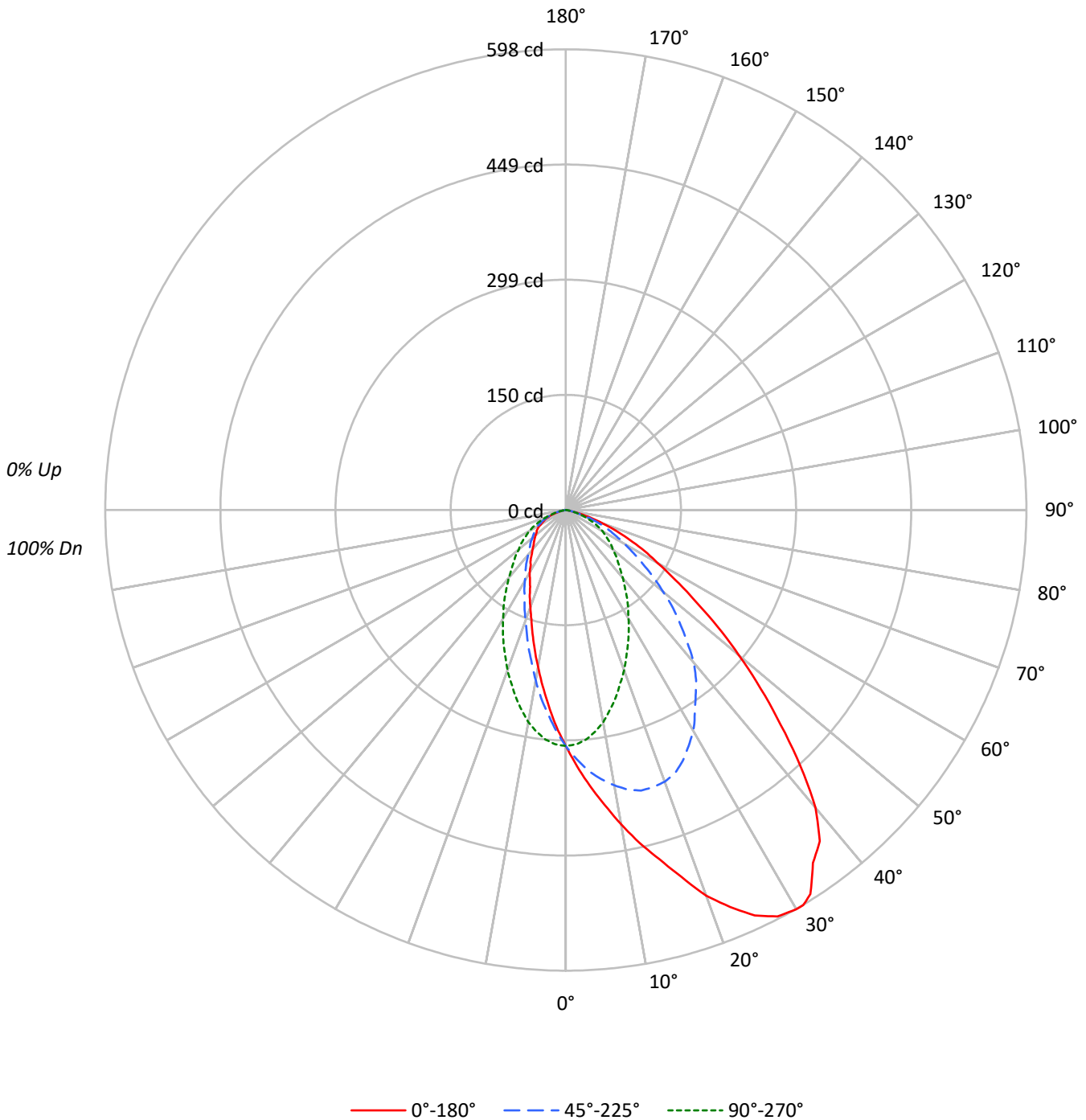
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 623.0 lumens
Efficiency: N/A
Efficacy: 30.5 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): 20.4
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: P3ART17R709835DE010 E3LCWW1H

Luminous Intensity Polar Plot





TEST NUMBER: P#
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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 | 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° | 67144 | 67144 | 67144 | 67144 | 67144 |
| 5° | 79089 | 74818 | 65859 | 58441 | 56108 |
| 10° | 92227 | 80805 | 62279 | 50055 | 46114 |
| 15° | 106493 | 85585 | 57072 | 42202 | 37775 |
| 20° | 124331 | 87578 | 51641 | 35516 | 31386 |
| 25° | 140476 | 86932 | 46261 | 30413 | 26542 |
| 30° | 151492 | 83810 | 41247 | 26890 | 23750 |
| 35° | 149747 | 78648 | 36968 | 24173 | 21335 |
| 40° | 144413 | 73967 | 32947 | 21784 | 19265 |
| 45° | 122400 | 65309 | 29646 | 20312 | 18110 |
| 50° | 100227 | 56152 | 27189 | 19309 | 17500 |
| 55° | 77837 | 46679 | 25729 | 18962 | 17586 |
| 60° | 60565 | 38813 | 24077 | 18639 | 16314 |
| 65° | 47735 | 32169 | 21118 | 17434 | 15618 |
| 70° | 32890 | 23850 | 17054 | 14746 | 13592 |
| 75° | 16521 | 13471 | 12031 | 10506 | 8981 |
| 80° | 2273 | 4420 | 6693 | 4420 | 2273 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 122400 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 28.6 | 4.6 |
| 10°-20° | 79.8 | 12.8 |
| 20°-30° | 117.6 | 18.9 |
| 30°-40° | 131.8 | 21.2 |
| 40°-50° | 115.9 | 18.6 |
| 50°-60° | 82.9 | 13.3 |
| 60°-70° | 49.1 | 7.9 |
| 70°-80° | 16.5 | 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° | 226.0 | 36.3 |
| 0°-40° | 357.8 | 57.4 |
| 0°-60° | 556.6 | 89.3 |
| 0°-90° | 623.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 623.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 306 | 306 | 306 | 306 | 306 | |
| 5° | 359 | 340 | 299 | 266 | 255 | 36 |
| 15° | 469 | 377 | 251 | 186 | 166 | 135 |
| 25° | 581 | 359 | 191 | 126 | 110 | 267 |
| 35° | 559 | 294 | 138 | 90 | 80 | 351 |
| 45° | 395 | 211 | 96 | 66 | 58 | 305 |
| 55° | 204 | 122 | 67 | 50 | 46 | 186 |
| 65° | 92 | 62 | 41 | 34 | 30 | 92 |
| 75° | 20 | 16 | 14 | 12 | 11 | 24 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART17R709835DE010 E3LCWW1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 306.2 | 306.2 | 306.2 | 306.2 | 306.2 | 306.2 | 306.2 | 306.2 | 306.2 | 306.2 | 306.2 |
| 2.5° | 332.8 | 332.8 | 332.8 | 329.2 | 329.2 | 323.9 | 320.4 | 315.1 | 311.5 | 306.2 | 304.5 |
| 5° | 359.3 | 359.3 | 355.8 | 352.3 | 346.9 | 339.9 | 331.0 | 322.2 | 311.5 | 302.7 | 299.2 |
| 7.5° | 385.9 | 387.7 | 382.3 | 375.3 | 364.6 | 352.3 | 339.9 | 325.7 | 309.8 | 297.4 | 290.3 |
| 10° | 414.2 | 414.2 | 407.1 | 396.5 | 380.6 | 362.9 | 343.4 | 323.9 | 304.5 | 286.8 | 279.7 |
| 12.5° | 442.5 | 440.8 | 431.9 | 416.0 | 396.5 | 371.7 | 345.2 | 320.4 | 297.4 | 276.1 | 265.5 |
| 15° | 469.1 | 469.1 | 456.7 | 437.2 | 408.9 | 377.0 | 345.2 | 313.3 | 286.8 | 262.0 | 251.4 |
| 17.5° | 499.2 | 499.2 | 483.2 | 453.2 | 417.7 | 377.0 | 339.9 | 304.5 | 274.4 | 247.8 | 235.4 |
| 20° | 532.8 | 531.0 | 508.0 | 467.3 | 421.3 | 375.3 | 332.8 | 293.8 | 260.2 | 231.9 | 221.3 |
| 22.5° | 557.6 | 555.8 | 529.3 | 479.7 | 423.1 | 370.0 | 320.4 | 279.7 | 246.0 | 217.7 | 205.3 |
| 25° | 580.6 | 577.1 | 547.0 | 485.0 | 419.5 | 359.3 | 308.0 | 263.7 | 231.9 | 203.6 | 191.2 |
| 27.5° | 594.8 | 593.0 | 559.4 | 483.2 | 410.7 | 345.2 | 292.1 | 249.6 | 216.0 | 187.6 | 177.0 |
| 30° | 598.3 | 600.1 | 559.4 | 474.4 | 396.5 | 331.0 | 276.1 | 233.7 | 200.0 | 175.2 | 162.9 |
| 31° | 598.3 | 600.1 | 555.8 | 469.1 | 391.2 | 323.9 | 269.1 | 228.3 | 192.9 | 168.2 | 157.5 |
| 32.5° | 591.2 | 587.7 | 550.5 | 460.2 | 378.8 | 311.5 | 260.2 | 219.5 | 184.1 | 159.3 | 150.5 |
| 35° | 559.4 | 561.1 | 532.8 | 440.8 | 361.1 | 293.8 | 242.5 | 201.8 | 168.2 | 146.9 | 138.1 |
| 37.5° | 541.7 | 541.7 | 490.3 | 414.2 | 341.6 | 277.9 | 221.3 | 182.3 | 154.0 | 134.5 | 125.7 |
| 40° | 504.5 | 499.2 | 451.4 | 385.9 | 318.6 | 258.4 | 208.9 | 169.9 | 141.6 | 122.1 | 115.1 |
| 42.5° | 451.4 | 446.1 | 408.9 | 361.1 | 288.5 | 233.7 | 198.3 | 150.5 | 127.4 | 111.5 | 104.4 |
| 45° | 394.7 | 391.2 | 362.9 | 318.6 | 260.2 | 210.6 | 171.7 | 138.1 | 116.8 | 100.9 | 95.6 |
| 47.5° | 343.4 | 338.1 | 316.9 | 283.2 | 235.4 | 189.4 | 148.7 | 123.9 | 104.4 | 92.0 | 88.5 |
| 50° | 293.8 | 292.1 | 274.4 | 247.8 | 208.9 | 164.6 | 131.0 | 109.7 | 95.6 | 85.0 | 79.7 |
| 52.5° | 247.8 | 244.3 | 235.4 | 214.2 | 182.3 | 143.4 | 115.1 | 97.4 | 85.0 | 77.9 | 74.3 |
| 55° | 203.6 | 203.6 | 194.7 | 180.6 | 155.8 | 122.1 | 100.9 | 86.7 | 76.1 | 70.8 | 67.3 |
| 57.5° | 168.2 | 168.2 | 161.1 | 152.2 | 129.2 | 104.4 | 88.5 | 76.1 | 69.0 | 63.7 | 60.2 |
| 60° | 138.1 | 138.1 | 132.8 | 123.9 | 108.0 | 88.5 | 76.1 | 67.3 | 62.0 | 56.6 | 54.9 |
| 62.5° | 115.1 | 113.3 | 109.7 | 100.9 | 88.5 | 74.3 | 65.5 | 58.4 | 53.1 | 49.6 | 47.8 |
| 65° | 92.0 | 90.3 | 86.7 | 79.7 | 70.8 | 62.0 | 54.9 | 49.6 | 46.0 | 42.5 | 40.7 |
| 67.5° | 70.8 | 70.8 | 67.3 | 62.0 | 54.9 | 49.6 | 44.3 | 40.7 | 37.2 | 35.4 | 33.6 |
| 70° | 51.3 | 51.3 | 49.6 | 46.0 | 40.7 | 37.2 | 33.6 | 31.9 | 30.1 | 28.3 | 26.6 |
| 72.5° | 35.4 | 35.4 | 33.6 | 31.9 | 28.3 | 26.6 | 23.0 | 23.0 | 21.2 | 21.2 | 19.5 |
| 75° | 19.5 | 19.5 | 19.5 | 17.7 | 17.7 | 15.9 | 15.9 | 15.9 | 14.2 | 14.2 | 14.2 |
| 77.5° | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| 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 |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART17R709835DE010 E3LCWW1H

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 306.2 | 306.2 | 306.2 | 306.2 | 306.2 | 306.2 | 306.2 | 306.2 | 306.2 | 306.2 |
| 2.5° | 302.7 | 297.4 | 293.8 | 292.1 | 286.8 | 285.0 | 283.2 | 281.4 | 281.4 | 281.4 |
| 5° | 295.6 | 286.8 | 277.9 | 272.6 | 265.5 | 262.0 | 258.4 | 256.7 | 254.9 | 254.9 |
| 7.5° | 283.2 | 272.6 | 262.0 | 253.1 | 246.0 | 239.0 | 235.4 | 231.9 | 231.9 | 230.1 |
| 10° | 270.8 | 256.7 | 244.3 | 231.9 | 224.8 | 216.0 | 212.4 | 208.9 | 207.1 | 207.1 |
| 12.5° | 256.7 | 239.0 | 224.8 | 214.2 | 203.6 | 196.5 | 191.2 | 187.6 | 185.9 | 185.9 |
| 15° | 240.7 | 223.0 | 207.1 | 196.5 | 185.9 | 177.0 | 171.7 | 168.2 | 166.4 | 166.4 |
| 17.5° | 224.8 | 207.1 | 189.4 | 178.8 | 168.2 | 159.3 | 155.8 | 152.2 | 150.5 | 148.7 |
| 20° | 210.6 | 189.4 | 175.2 | 161.1 | 152.2 | 145.1 | 139.8 | 136.3 | 134.5 | 134.5 |
| 22.5° | 194.7 | 175.2 | 159.3 | 148.7 | 139.8 | 132.8 | 125.7 | 123.9 | 122.1 | 122.1 |
| 25° | 178.8 | 161.1 | 146.9 | 136.3 | 125.7 | 120.4 | 115.1 | 111.5 | 111.5 | 109.7 |
| 27.5° | 166.4 | 148.7 | 134.5 | 123.9 | 116.8 | 109.7 | 106.2 | 102.7 | 100.9 | 100.9 |
| 30° | 152.2 | 136.3 | 123.9 | 115.1 | 106.2 | 100.9 | 97.4 | 93.8 | 93.8 | 93.8 |
| 31° | 148.7 | 132.8 | 120.4 | 109.7 | 102.7 | 97.4 | 93.8 | 92.0 | 90.3 | 90.3 |
| 32.5° | 139.8 | 125.7 | 113.3 | 104.4 | 97.4 | 92.0 | 88.5 | 86.7 | 86.7 | 85.0 |
| 35° | 129.2 | 115.1 | 104.4 | 95.6 | 90.3 | 85.0 | 81.4 | 79.7 | 79.7 | 79.7 |
| 37.5° | 118.6 | 106.2 | 95.6 | 88.5 | 83.2 | 77.9 | 76.1 | 72.6 | 72.6 | 72.6 |
| 40° | 108.0 | 97.4 | 88.5 | 81.4 | 76.1 | 72.6 | 70.8 | 69.0 | 67.3 | 67.3 |
| 42.5° | 99.1 | 88.5 | 81.4 | 76.1 | 70.8 | 67.3 | 65.5 | 63.7 | 63.7 | 62.0 |
| 45° | 90.3 | 81.4 | 76.1 | 70.8 | 65.5 | 63.7 | 62.0 | 60.2 | 58.4 | 58.4 |
| 47.5° | 83.2 | 76.1 | 69.0 | 65.5 | 62.0 | 58.4 | 56.6 | 56.6 | 54.9 | 54.9 |
| 50° | 76.1 | 69.0 | 63.7 | 60.2 | 56.6 | 54.9 | 53.1 | 53.1 | 51.3 | 51.3 |
| 52.5° | 70.8 | 63.7 | 60.2 | 56.6 | 53.1 | 51.3 | 49.6 | 49.6 | 47.8 | 47.8 |
| 55° | 63.7 | 58.4 | 54.9 | 53.1 | 49.6 | 47.8 | 46.0 | 44.3 | 44.3 | 46.0 |
| 57.5° | 58.4 | 54.9 | 51.3 | 49.6 | 46.0 | 44.3 | 42.5 | 42.5 | 40.7 | 42.5 |
| 60° | 53.1 | 49.6 | 46.0 | 44.3 | 42.5 | 40.7 | 38.9 | 37.2 | 37.2 | 37.2 |
| 62.5° | 47.8 | 44.3 | 42.5 | 38.9 | 37.2 | 37.2 | 35.4 | 35.4 | 35.4 | 33.6 |
| 65° | 40.7 | 38.9 | 37.2 | 35.4 | 33.6 | 31.9 | 31.9 | 30.1 | 30.1 | 30.1 |
| 67.5° | 33.6 | 31.9 | 30.1 | 30.1 | 28.3 | 26.6 | 26.6 | 26.6 | 26.6 | 24.8 |
| 70° | 26.6 | 24.8 | 24.8 | 23.0 | 23.0 | 23.0 | 21.2 | 21.2 | 21.2 | 21.2 |
| 72.5° | 19.5 | 19.5 | 17.7 | 17.7 | 17.7 | 17.7 | 15.9 | 15.9 | 15.9 | 15.9 |
| 75° | 14.2 | 14.2 | 14.2 | 12.4 | 12.4 | 12.4 | 10.6 | 10.6 | 10.6 | 10.6 |
| 77.5° | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 |
| 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)