

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 E3LSWW1H

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: P3ART17R709835DE010 E3LSWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3LSWW1H TRIM
Light Source: -
Ballast/Driver: -

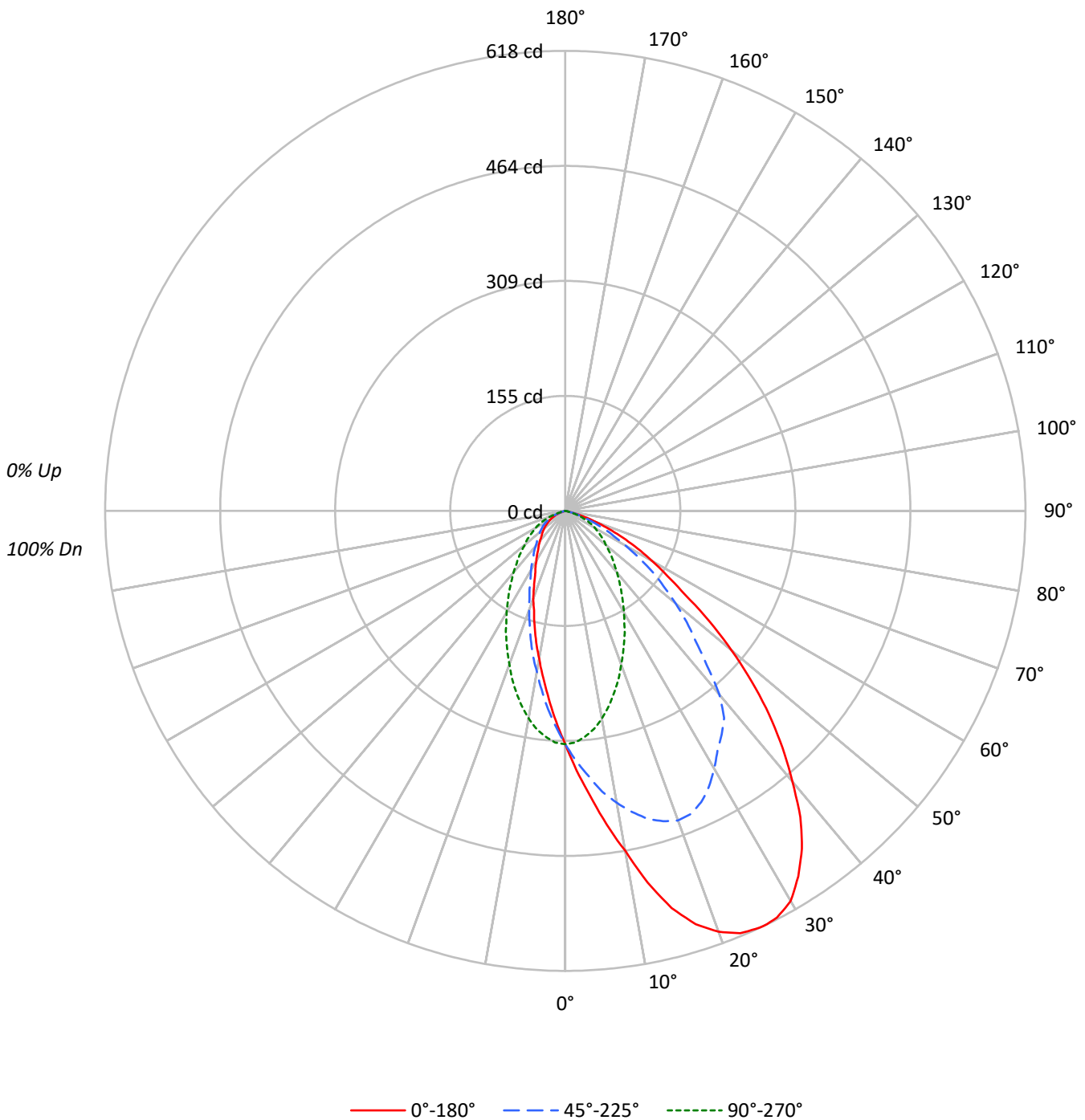
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 624.0 lumens
Efficiency: N/A
Efficacy: 30.6 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): 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 E3LSWW1H

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART17R709835DE010 E3LSWW1H

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 | 100 | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 89 | 89 | 89 |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 85 | 81 | 85 | 82 | 80 | 78 | 78 | 78 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 | 68 | 68 |
| 4 | 88 | 78 | 70 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | 60 | 60 |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 62 | 57 | 68 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 53 | 53 | 53 |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 51 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 47 | 47 | 47 |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | 43 | 43 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 | 39 | 39 |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | 35 | 35 |
| 10 | 59 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | 32 | 32 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 68701 | 68701 | 68701 | 68701 | 68701 |
| 5° | 84547 | 78692 | 67004 | 58816 | 55712 |
| 10° | 103249 | 88665 | 63058 | 48875 | 44933 |
| 15° | 125358 | 97231 | 57458 | 40590 | 36164 |
| 20° | 140409 | 103259 | 51221 | 33043 | 29333 |
| 25° | 149452 | 104474 | 45390 | 27413 | 23130 |
| 30° | 153264 | 101281 | 39880 | 23295 | 19725 |
| 35° | 148302 | 98082 | 35068 | 19890 | 17052 |
| 40° | 135769 | 92201 | 30915 | 17719 | 15200 |
| 45° | 120199 | 76845 | 27445 | 16467 | 13707 |
| 50° | 99613 | 65806 | 24153 | 15078 | 12690 |
| 55° | 75123 | 54822 | 22327 | 14222 | 11507 |
| 60° | 58987 | 41137 | 20174 | 13201 | 10087 |
| 65° | 44103 | 30302 | 17434 | 11000 | 8250 |
| 70° | 28338 | 19298 | 12502 | 7950 | 4552 |
| 75° | 12031 | 10506 | 6015 | 2965 | 1525 |
| 80° | 2273 | 2273 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 120199 cd/sqm



TEST NUMBER: P#
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 29.7 | 4.8 |
| 10°-20° | 85.5 | 13.7 |
| 20°-30° | 125.1 | 20.0 |
| 30°-40° | 136.3 | 21.8 |
| 40°-50° | 117.9 | 18.9 |
| 50°-60° | 79.0 | 12.7 |
| 60°-70° | 40.8 | 6.5 |
| 70°-80° | 9.7 | 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° | 240.3 | 38.5 |
| 0°-40° | 376.6 | 60.3 |
| 0°-60° | 573.5 | 91.9 |
| 0°-90° | 624.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 624.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 313 | 313 | 313 | 313 | 313 | |
| 5° | 384 | 358 | 304 | 267 | 253 | 39 |
| 15° | 552 | 428 | 253 | 179 | 159 | 156 |
| 25° | 618 | 432 | 188 | 113 | 96 | 284 |
| 35° | 554 | 366 | 131 | 74 | 64 | 343 |
| 45° | 388 | 248 | 88 | 53 | 44 | 297 |
| 55° | 196 | 143 | 58 | 37 | 30 | 182 |
| 65° | 85 | 58 | 34 | 21 | 16 | 86 |
| 75° | 14 | 12 | 7 | 4 | 2 | 19 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART17R709835DE010 E3LSWW1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 |
| 2.5° | 348.7 | 346.9 | 346.9 | 343.3 | 339.8 | 336.3 | 331.0 | 325.6 | 320.3 | 315.0 | 311.5 |
| 5° | 384.1 | 385.8 | 384.1 | 377.0 | 368.1 | 357.5 | 346.9 | 334.5 | 322.1 | 311.5 | 304.4 |
| 7.5° | 424.8 | 424.8 | 419.4 | 410.6 | 398.2 | 380.5 | 362.8 | 341.6 | 322.1 | 304.4 | 295.6 |
| 10° | 463.7 | 463.7 | 454.8 | 440.7 | 421.2 | 398.2 | 373.4 | 345.1 | 318.6 | 293.8 | 283.2 |
| 12.5° | 511.5 | 509.7 | 499.1 | 476.1 | 447.8 | 414.1 | 380.5 | 345.1 | 313.3 | 283.2 | 269.0 |
| 15° | 552.2 | 550.4 | 536.3 | 507.9 | 470.8 | 428.3 | 382.3 | 341.6 | 302.6 | 269.0 | 253.1 |
| 17.5° | 582.3 | 578.7 | 562.8 | 532.7 | 490.2 | 437.1 | 384.1 | 334.5 | 290.3 | 253.1 | 237.2 |
| 20° | 601.7 | 600.0 | 582.3 | 546.9 | 500.9 | 442.5 | 382.3 | 325.6 | 277.9 | 237.2 | 219.5 |
| 22.5° | 614.1 | 610.6 | 592.9 | 554.0 | 500.9 | 440.7 | 375.2 | 313.3 | 261.9 | 221.2 | 203.5 |
| 25° | 617.7 | 615.9 | 594.7 | 552.2 | 495.6 | 431.8 | 364.6 | 300.9 | 246.0 | 205.3 | 187.6 |
| 26° | 617.7 | 615.9 | 594.7 | 550.4 | 492.0 | 426.5 | 359.3 | 295.6 | 240.7 | 198.2 | 182.3 |
| 27.5° | 615.9 | 614.1 | 591.1 | 545.1 | 484.9 | 417.7 | 348.7 | 284.9 | 230.1 | 189.4 | 171.7 |
| 30° | 605.3 | 601.7 | 578.7 | 532.7 | 469.0 | 400.0 | 331.0 | 269.0 | 214.1 | 173.4 | 157.5 |
| 32.5° | 582.3 | 578.7 | 554.0 | 511.5 | 451.3 | 380.5 | 311.5 | 251.3 | 198.2 | 157.5 | 143.4 |
| 35° | 554.0 | 550.4 | 525.6 | 484.9 | 426.5 | 366.4 | 290.3 | 231.8 | 180.5 | 145.1 | 131.0 |
| 37.5° | 518.6 | 513.2 | 492.0 | 449.5 | 396.4 | 350.4 | 272.6 | 212.4 | 164.6 | 131.0 | 118.6 |
| 40° | 474.3 | 472.5 | 453.1 | 414.1 | 361.0 | 322.1 | 261.9 | 212.4 | 150.4 | 118.6 | 108.0 |
| 42.5° | 431.8 | 428.3 | 410.6 | 377.0 | 329.2 | 281.4 | 230.1 | 203.5 | 139.8 | 106.2 | 97.3 |
| 45° | 387.6 | 384.1 | 368.1 | 339.8 | 295.6 | 247.8 | 247.8 | 175.2 | 120.3 | 97.3 | 88.5 |
| 47.5° | 339.8 | 336.3 | 323.9 | 302.6 | 263.7 | 221.2 | 180.5 | 143.4 | 109.7 | 86.7 | 79.6 |
| 50° | 292.0 | 293.8 | 283.2 | 261.9 | 231.8 | 192.9 | 155.7 | 120.3 | 93.8 | 77.9 | 70.8 |
| 52.5° | 244.2 | 242.5 | 235.4 | 221.2 | 200.0 | 166.4 | 132.7 | 102.6 | 81.4 | 69.0 | 65.5 |
| 55° | 196.5 | 198.2 | 194.7 | 185.8 | 168.1 | 143.4 | 111.5 | 88.5 | 72.6 | 61.9 | 58.4 |
| 57.5° | 162.8 | 164.6 | 157.5 | 152.2 | 138.0 | 116.8 | 92.0 | 74.3 | 61.9 | 54.9 | 51.3 |
| 60° | 134.5 | 136.3 | 131.0 | 123.9 | 113.3 | 93.8 | 74.3 | 61.9 | 54.9 | 49.6 | 46.0 |
| 62.5° | 109.7 | 108.0 | 104.4 | 97.3 | 88.5 | 74.3 | 60.2 | 51.3 | 46.0 | 42.5 | 40.7 |
| 65° | 85.0 | 85.0 | 81.4 | 76.1 | 69.0 | 58.4 | 47.8 | 42.5 | 38.9 | 35.4 | 33.6 |
| 67.5° | 63.7 | 63.7 | 60.2 | 56.6 | 49.6 | 42.5 | 37.2 | 33.6 | 31.9 | 28.3 | 26.5 |
| 70° | 44.2 | 44.2 | 42.5 | 40.7 | 35.4 | 30.1 | 28.3 | 24.8 | 23.0 | 21.2 | 19.5 |
| 72.5° | 28.3 | 28.3 | 28.3 | 24.8 | 23.0 | 19.5 | 19.5 | 17.7 | 15.9 | 14.2 | 14.2 |
| 75° | 14.2 | 15.9 | 14.2 | 14.2 | 12.4 | 12.4 | 10.6 | 10.6 | 8.8 | 8.8 | 7.1 |
| 77.5° | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 80° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 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: P3ART17R709835DE010 E3LSWW1H

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 |
| 2.5° | 307.9 | 302.6 | 299.1 | 293.8 | 290.3 | 286.7 | 284.9 | 283.2 | 283.2 | 283.2 |
| 5° | 299.1 | 290.3 | 281.4 | 272.6 | 267.2 | 261.9 | 256.6 | 254.9 | 253.1 | 253.1 |
| 7.5° | 288.5 | 274.3 | 261.9 | 251.3 | 242.5 | 237.2 | 231.8 | 228.3 | 226.5 | 226.5 |
| 10° | 274.3 | 256.6 | 242.5 | 228.3 | 219.5 | 212.4 | 208.8 | 203.5 | 203.5 | 201.8 |
| 12.5° | 258.4 | 237.2 | 221.2 | 208.8 | 200.0 | 191.1 | 185.8 | 182.3 | 180.5 | 180.5 |
| 15° | 240.7 | 219.5 | 201.8 | 187.6 | 178.8 | 169.9 | 164.6 | 161.1 | 159.3 | 159.3 |
| 17.5° | 223.0 | 200.0 | 182.3 | 168.1 | 159.3 | 150.4 | 145.1 | 141.6 | 141.6 | 139.8 |
| 20° | 205.3 | 182.3 | 164.6 | 150.4 | 141.6 | 134.5 | 129.2 | 125.7 | 123.9 | 125.7 |
| 22.5° | 189.4 | 166.4 | 148.7 | 136.3 | 125.7 | 118.6 | 113.3 | 111.5 | 109.7 | 109.7 |
| 25° | 171.7 | 150.4 | 134.5 | 122.1 | 113.3 | 106.2 | 100.9 | 99.1 | 97.3 | 95.6 |
| 26° | 166.4 | 145.1 | 129.2 | 116.8 | 108.0 | 100.9 | 97.3 | 93.8 | 92.0 | 92.0 |
| 27.5° | 159.3 | 136.3 | 122.1 | 109.7 | 100.9 | 95.6 | 90.3 | 88.5 | 86.7 | 86.7 |
| 30° | 143.4 | 123.9 | 109.7 | 99.1 | 92.0 | 85.0 | 81.4 | 79.6 | 77.9 | 77.9 |
| 32.5° | 131.0 | 111.5 | 99.1 | 90.3 | 83.2 | 77.9 | 74.3 | 70.8 | 70.8 | 70.8 |
| 35° | 118.6 | 100.9 | 90.3 | 81.4 | 74.3 | 69.0 | 67.3 | 65.5 | 63.7 | 63.7 |
| 37.5° | 108.0 | 92.0 | 81.4 | 74.3 | 69.0 | 63.7 | 60.2 | 58.4 | 58.4 | 58.4 |
| 40° | 97.3 | 85.0 | 74.3 | 67.3 | 61.9 | 58.4 | 54.9 | 53.1 | 53.1 | 53.1 |
| 42.5° | 88.5 | 76.1 | 69.0 | 61.9 | 56.6 | 53.1 | 51.3 | 49.6 | 47.8 | 47.8 |
| 45° | 81.4 | 70.8 | 61.9 | 56.6 | 53.1 | 49.6 | 46.0 | 44.2 | 44.2 | 44.2 |
| 47.5° | 72.6 | 65.5 | 56.6 | 51.3 | 47.8 | 44.2 | 42.5 | 40.7 | 40.7 | 40.7 |
| 50° | 67.3 | 60.2 | 53.1 | 47.8 | 44.2 | 40.7 | 38.9 | 37.2 | 37.2 | 37.2 |
| 52.5° | 60.2 | 54.9 | 49.6 | 44.2 | 40.7 | 37.2 | 35.4 | 33.6 | 33.6 | 33.6 |
| 55° | 54.9 | 49.6 | 44.2 | 40.7 | 37.2 | 33.6 | 31.9 | 30.1 | 30.1 | 30.1 |
| 57.5° | 49.6 | 44.2 | 40.7 | 37.2 | 33.6 | 31.9 | 28.3 | 28.3 | 26.5 | 26.5 |
| 60° | 44.2 | 38.9 | 35.4 | 33.6 | 30.1 | 28.3 | 24.8 | 23.0 | 23.0 | 23.0 |
| 62.5° | 37.2 | 35.4 | 31.9 | 28.3 | 24.8 | 23.0 | 21.2 | 19.5 | 19.5 | 19.5 |
| 65° | 31.9 | 30.1 | 26.5 | 23.0 | 21.2 | 19.5 | 17.7 | 15.9 | 15.9 | 15.9 |
| 67.5° | 26.5 | 23.0 | 21.2 | 19.5 | 17.7 | 15.9 | 14.2 | 12.4 | 10.6 | 12.4 |
| 70° | 19.5 | 17.7 | 15.9 | 14.2 | 12.4 | 10.6 | 8.8 | 8.8 | 7.1 | 7.1 |
| 72.5° | 12.4 | 10.6 | 10.6 | 8.8 | 7.1 | 7.1 | 5.3 | 5.3 | 3.5 | 3.5 |
| 75° | 7.1 | 7.1 | 5.3 | 5.3 | 3.5 | 3.5 | 1.8 | 1.8 | 1.8 | 1.8 |
| 77.5° | 3.5 | 1.8 | 1.8 | 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)