

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: P3ART17R709830DE010 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: P3ART17R709830DE010 E3LSWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3LSWW1H TRIM
Light Source: -
Ballast/Driver: -

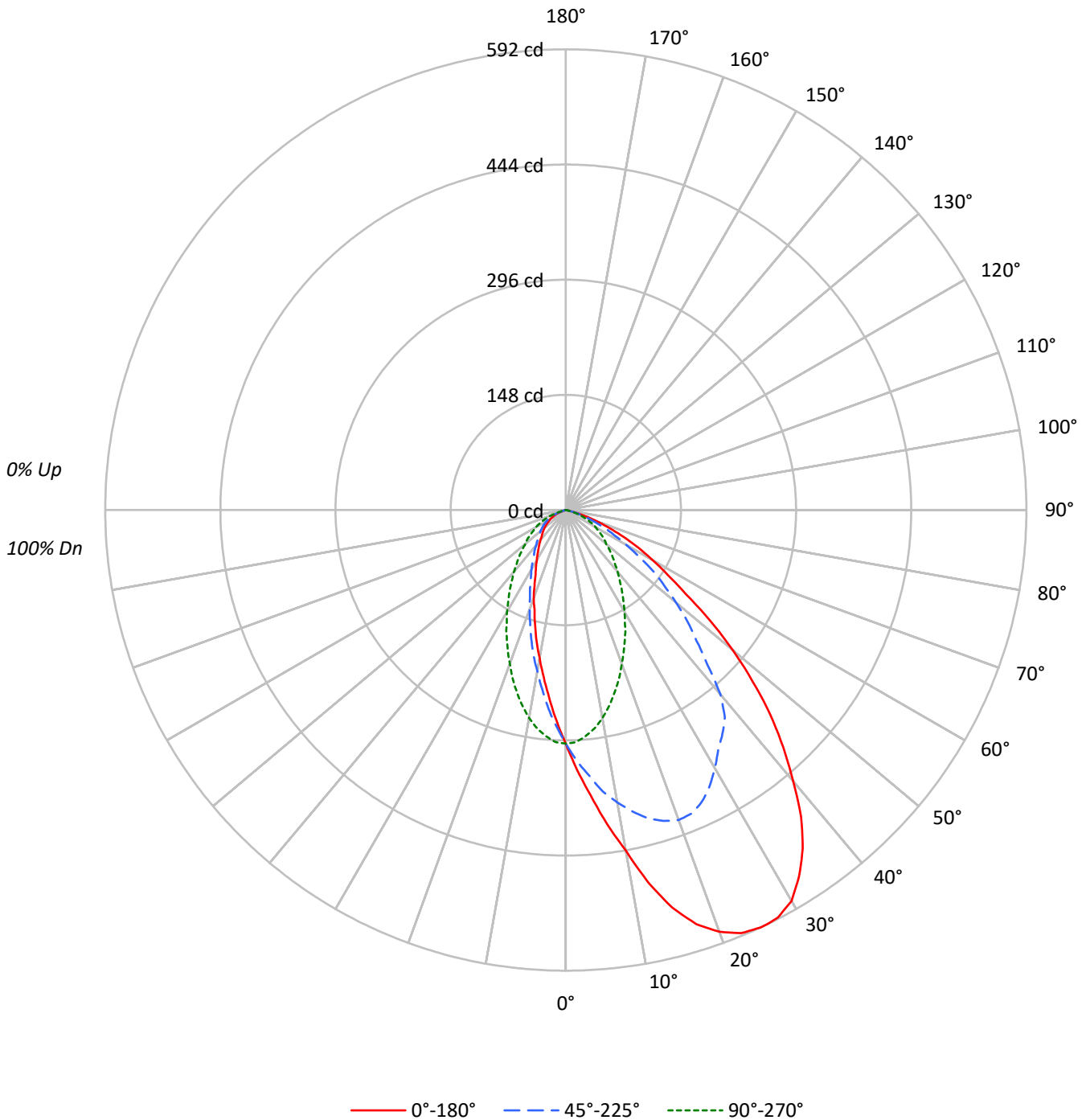
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 598.0 lumens
Efficiency: N/A
Efficacy: 29.3 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: P3ART17R709830DE010 E3LSWW1H

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART17R709830DE010 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° | 65828 | 65828 | 65828 | 65828 | 65828 |
| 5° | 81026 | 75413 | 64209 | 56372 | 53379 |
| 10° | 98952 | 84968 | 60431 | 46826 | 43063 |
| 15° | 120137 | 93190 | 55051 | 38888 | 34643 |
| 20° | 134575 | 98942 | 49074 | 31666 | 28096 |
| 25° | 143210 | 100119 | 43503 | 26252 | 22163 |
| 30° | 146883 | 97053 | 38234 | 22333 | 18889 |
| 35° | 142118 | 93987 | 33595 | 19060 | 16356 |
| 40° | 130130 | 88366 | 29627 | 17003 | 14570 |
| 45° | 115175 | 73651 | 26297 | 15785 | 13149 |
| 50° | 95485 | 63077 | 23129 | 14464 | 12145 |
| 55° | 71988 | 52529 | 21409 | 13610 | 11010 |
| 60° | 56531 | 39427 | 19341 | 12631 | 9648 |
| 65° | 42235 | 29056 | 16707 | 10585 | 7939 |
| 70° | 27184 | 18465 | 11989 | 7629 | 4360 |
| 75° | 11522 | 10082 | 5761 | 2881 | 1440 |
| 80° | 2147 | 2147 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 115175 cd/sqm



TEST NUMBER: P#
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 28.5 | 4.8 |
| 10°-20° | 82.0 | 13.7 |
| 20°-30° | 119.8 | 20.0 |
| 30°-40° | 130.6 | 21.8 |
| 40°-50° | 113.0 | 18.9 |
| 50°-60° | 75.7 | 12.7 |
| 60°-70° | 39.1 | 6.5 |
| 70°-80° | 9.3 | 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° | 230.3 | 38.5 |
| 0°-40° | 360.9 | 60.3 |
| 0°-60° | 549.6 | 91.9 |
| 0°-90° | 598.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 598.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 300 | 300 | 300 | 300 | 300 | |
| 5° | 368 | 343 | 292 | 256 | 242 | 38 |
| 15° | 529 | 410 | 242 | 171 | 153 | 150 |
| 25° | 592 | 414 | 180 | 108 | 92 | 272 |
| 35° | 531 | 351 | 126 | 71 | 61 | 329 |
| 45° | 371 | 238 | 85 | 51 | 42 | 284 |
| 55° | 188 | 137 | 56 | 36 | 29 | 174 |
| 65° | 81 | 56 | 32 | 20 | 15 | 82 |
| 75° | 14 | 12 | 7 | 3 | 2 | 18 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART17R709830DE010 E3LSWW1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 300.2 | 300.2 | 300.2 | 300.2 | 300.2 | 300.2 | 300.2 | 300.2 | 300.2 | 300.2 | 300.2 |
| 2.5° | 334.1 | 332.4 | 332.4 | 329.0 | 325.6 | 322.3 | 317.2 | 312.1 | 307.0 | 301.9 | 298.5 |
| 5° | 368.1 | 369.7 | 368.1 | 361.3 | 352.8 | 342.6 | 332.4 | 320.6 | 308.7 | 298.5 | 291.7 |
| 7.5° | 407.1 | 407.1 | 402.0 | 393.5 | 381.6 | 364.7 | 347.7 | 327.3 | 308.7 | 291.7 | 283.2 |
| 10° | 444.4 | 444.4 | 435.9 | 422.3 | 403.7 | 381.6 | 357.9 | 330.7 | 305.3 | 281.6 | 271.4 |
| 12.5° | 490.2 | 488.5 | 478.3 | 456.2 | 429.1 | 396.9 | 364.7 | 330.7 | 300.2 | 271.4 | 257.8 |
| 15° | 529.2 | 527.5 | 513.9 | 486.8 | 451.2 | 410.5 | 366.4 | 327.3 | 290.0 | 257.8 | 242.5 |
| 17.5° | 558.0 | 554.6 | 539.4 | 510.5 | 469.8 | 418.9 | 368.1 | 320.6 | 278.2 | 242.5 | 227.3 |
| 20° | 576.7 | 575.0 | 558.0 | 524.1 | 480.0 | 424.0 | 366.4 | 312.1 | 266.3 | 227.3 | 210.3 |
| 22.5° | 588.5 | 585.1 | 568.2 | 530.9 | 480.0 | 422.3 | 359.6 | 300.2 | 251.0 | 212.0 | 195.0 |
| 25° | 591.9 | 590.2 | 569.9 | 529.2 | 474.9 | 413.8 | 349.4 | 288.3 | 235.8 | 196.7 | 179.8 |
| 26° | 591.9 | 590.2 | 569.9 | 527.5 | 471.5 | 408.8 | 344.3 | 283.2 | 230.7 | 190.0 | 174.7 |
| 27.5° | 590.2 | 588.5 | 566.5 | 522.4 | 464.7 | 400.3 | 334.1 | 273.1 | 220.5 | 181.5 | 164.5 |
| 30° | 580.1 | 576.7 | 554.6 | 510.5 | 449.5 | 383.3 | 317.2 | 257.8 | 205.2 | 166.2 | 151.0 |
| 32.5° | 558.0 | 554.6 | 530.9 | 490.2 | 432.5 | 364.7 | 298.5 | 240.8 | 190.0 | 151.0 | 137.4 |
| 35° | 530.9 | 527.5 | 503.7 | 464.7 | 408.8 | 351.1 | 278.2 | 222.2 | 173.0 | 139.1 | 125.5 |
| 37.5° | 497.0 | 491.9 | 471.5 | 430.8 | 379.9 | 335.8 | 261.2 | 203.5 | 157.7 | 125.5 | 113.6 |
| 40° | 454.6 | 452.9 | 434.2 | 396.9 | 346.0 | 308.7 | 251.0 | 203.5 | 144.2 | 113.6 | 103.5 |
| 42.5° | 413.8 | 410.5 | 393.5 | 361.3 | 315.5 | 269.7 | 220.5 | 195.0 | 134.0 | 101.8 | 93.3 |
| 45° | 371.4 | 368.1 | 352.8 | 325.6 | 283.2 | 237.5 | 237.5 | 167.9 | 115.3 | 93.3 | 84.8 |
| 47.5° | 325.6 | 322.3 | 310.4 | 290.0 | 252.7 | 212.0 | 173.0 | 137.4 | 105.2 | 83.1 | 76.3 |
| 50° | 279.9 | 281.6 | 271.4 | 251.0 | 222.2 | 184.9 | 149.3 | 115.3 | 89.9 | 74.6 | 67.8 |
| 52.5° | 234.1 | 232.4 | 225.6 | 212.0 | 191.7 | 159.4 | 127.2 | 98.4 | 78.0 | 66.1 | 62.8 |
| 55° | 188.3 | 190.0 | 186.6 | 178.1 | 161.1 | 137.4 | 106.9 | 84.8 | 69.5 | 59.4 | 56.0 |
| 57.5° | 156.0 | 157.7 | 151.0 | 145.9 | 132.3 | 111.9 | 88.2 | 71.2 | 59.4 | 52.6 | 49.2 |
| 60° | 128.9 | 130.6 | 125.5 | 118.7 | 108.5 | 89.9 | 71.2 | 59.4 | 52.6 | 47.5 | 44.1 |
| 62.5° | 105.2 | 103.5 | 100.1 | 93.3 | 84.8 | 71.2 | 57.7 | 49.2 | 44.1 | 40.7 | 39.0 |
| 65° | 81.4 | 81.4 | 78.0 | 72.9 | 66.1 | 56.0 | 45.8 | 40.7 | 37.3 | 33.9 | 32.2 |
| 67.5° | 61.1 | 61.1 | 57.7 | 54.3 | 47.5 | 40.7 | 35.6 | 32.2 | 30.5 | 27.1 | 25.4 |
| 70° | 42.4 | 42.4 | 40.7 | 39.0 | 33.9 | 28.8 | 27.1 | 23.7 | 22.0 | 20.4 | 18.7 |
| 72.5° | 27.1 | 27.1 | 27.1 | 23.7 | 22.0 | 18.7 | 18.7 | 17.0 | 15.3 | 13.6 | 13.6 |
| 75° | 13.6 | 15.3 | 13.6 | 13.6 | 11.9 | 11.9 | 10.2 | 10.2 | 8.5 | 8.5 | 6.8 |
| 77.5° | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 80° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 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: P3ART17R709830DE010 E3LSWW1H

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 300.2 | 300.2 | 300.2 | 300.2 | 300.2 | 300.2 | 300.2 | 300.2 | 300.2 | 300.2 |
| 2.5° | 295.1 | 290.0 | 286.6 | 281.6 | 278.2 | 274.8 | 273.1 | 271.4 | 271.4 | 271.4 |
| 5° | 286.6 | 278.2 | 269.7 | 261.2 | 256.1 | 251.0 | 245.9 | 244.2 | 242.5 | 242.5 |
| 7.5° | 276.5 | 262.9 | 251.0 | 240.8 | 232.4 | 227.3 | 222.2 | 218.8 | 217.1 | 217.1 |
| 10° | 262.9 | 245.9 | 232.4 | 218.8 | 210.3 | 203.5 | 200.1 | 195.0 | 195.0 | 193.4 |
| 12.5° | 247.6 | 227.3 | 212.0 | 200.1 | 191.7 | 183.2 | 178.1 | 174.7 | 173.0 | 173.0 |
| 15° | 230.7 | 210.3 | 193.4 | 179.8 | 171.3 | 162.8 | 157.7 | 154.3 | 152.6 | 152.6 |
| 17.5° | 213.7 | 191.7 | 174.7 | 161.1 | 152.6 | 144.2 | 139.1 | 135.7 | 135.7 | 134.0 |
| 20° | 196.7 | 174.7 | 157.7 | 144.2 | 135.7 | 128.9 | 123.8 | 120.4 | 118.7 | 120.4 |
| 22.5° | 181.5 | 159.4 | 142.5 | 130.6 | 120.4 | 113.6 | 108.5 | 106.9 | 105.2 | 105.2 |
| 25° | 164.5 | 144.2 | 128.9 | 117.0 | 108.5 | 101.8 | 96.7 | 95.0 | 93.3 | 91.6 |
| 26° | 159.4 | 139.1 | 123.8 | 111.9 | 103.5 | 96.7 | 93.3 | 89.9 | 88.2 | 88.2 |
| 27.5° | 152.6 | 130.6 | 117.0 | 105.2 | 96.7 | 91.6 | 86.5 | 84.8 | 83.1 | 83.1 |
| 30° | 137.4 | 118.7 | 105.2 | 95.0 | 88.2 | 81.4 | 78.0 | 76.3 | 74.6 | 74.6 |
| 32.5° | 125.5 | 106.9 | 95.0 | 86.5 | 79.7 | 74.6 | 71.2 | 67.8 | 67.8 | 67.8 |
| 35° | 113.6 | 96.7 | 86.5 | 78.0 | 71.2 | 66.1 | 64.5 | 62.8 | 61.1 | 61.1 |
| 37.5° | 103.5 | 88.2 | 78.0 | 71.2 | 66.1 | 61.1 | 57.7 | 56.0 | 56.0 | 56.0 |
| 40° | 93.3 | 81.4 | 71.2 | 64.5 | 59.4 | 56.0 | 52.6 | 50.9 | 50.9 | 50.9 |
| 42.5° | 84.8 | 72.9 | 66.1 | 59.4 | 54.3 | 50.9 | 49.2 | 47.5 | 45.8 | 45.8 |
| 45° | 78.0 | 67.8 | 59.4 | 54.3 | 50.9 | 47.5 | 44.1 | 42.4 | 42.4 | 42.4 |
| 47.5° | 69.5 | 62.8 | 54.3 | 49.2 | 45.8 | 42.4 | 40.7 | 39.0 | 39.0 | 39.0 |
| 50° | 64.5 | 57.7 | 50.9 | 45.8 | 42.4 | 39.0 | 37.3 | 35.6 | 35.6 | 35.6 |
| 52.5° | 57.7 | 52.6 | 47.5 | 42.4 | 39.0 | 35.6 | 33.9 | 32.2 | 32.2 | 32.2 |
| 55° | 52.6 | 47.5 | 42.4 | 39.0 | 35.6 | 32.2 | 30.5 | 28.8 | 28.8 | 28.8 |
| 57.5° | 47.5 | 42.4 | 39.0 | 35.6 | 32.2 | 30.5 | 27.1 | 27.1 | 25.4 | 25.4 |
| 60° | 42.4 | 37.3 | 33.9 | 32.2 | 28.8 | 27.1 | 23.7 | 22.0 | 22.0 | 22.0 |
| 62.5° | 35.6 | 33.9 | 30.5 | 27.1 | 23.7 | 22.0 | 20.4 | 18.7 | 18.7 | 18.7 |
| 65° | 30.5 | 28.8 | 25.4 | 22.0 | 20.4 | 18.7 | 17.0 | 15.3 | 15.3 | 15.3 |
| 67.5° | 25.4 | 22.0 | 20.4 | 18.7 | 17.0 | 15.3 | 13.6 | 11.9 | 10.2 | 11.9 |
| 70° | 18.7 | 17.0 | 15.3 | 13.6 | 11.9 | 10.2 | 8.5 | 8.5 | 6.8 | 6.8 |
| 72.5° | 11.9 | 10.2 | 10.2 | 8.5 | 6.8 | 6.8 | 5.1 | 5.1 | 3.4 | 3.4 |
| 75° | 6.8 | 6.8 | 5.1 | 5.1 | 3.4 | 3.4 | 1.7 | 1.7 | 1.7 | 1.7 |
| 77.5° | 3.4 | 1.7 | 1.7 | 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)