

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: P3ART17R709030D2WDE010 E3LSWW1WMH

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: P3ART17R709030D2WDE010 E3LSWW1WMH
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
E3LSWW1WMH TRIM
Light Source: -
Ballast/Driver: -

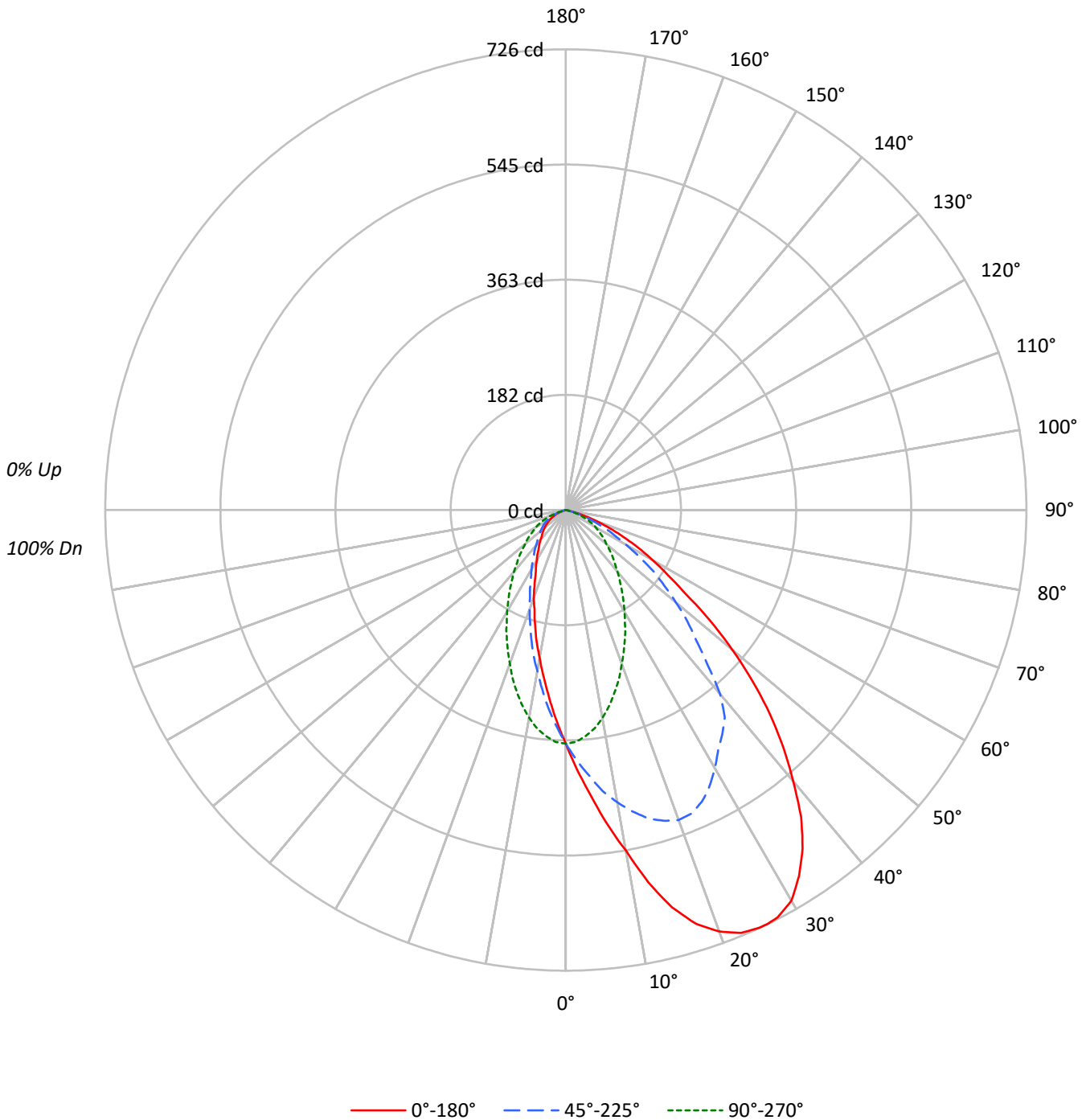
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 733.0 lumens
Efficiency: N/A
Efficacy: 26.8 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): 27.3
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: P3ART17R709030D2WDE010 E3LSWW1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART17R709030D2WDE010 E3LSWW1WMH

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 80695 | 80695 | 80695 | 80695 | 80695 |
| 5° | 99295 | 92450 | 78714 | 69095 | 65441 |
| 10° | 121285 | 104162 | 74058 | 57403 | 52771 |
| 15° | 147243 | 114212 | 67492 | 47673 | 42475 |
| 20° | 164958 | 121274 | 60159 | 38807 | 34443 |
| 25° | 175559 | 122741 | 53326 | 32203 | 27171 |
| 30° | 180028 | 118955 | 46843 | 27371 | 23168 |
| 35° | 174187 | 115188 | 41171 | 23370 | 20023 |
| 40° | 159499 | 108317 | 36297 | 20839 | 17862 |
| 45° | 141193 | 90273 | 32220 | 19351 | 16126 |
| 50° | 117011 | 77302 | 28383 | 17739 | 14908 |
| 55° | 88236 | 64380 | 26226 | 16707 | 13495 |
| 60° | 69293 | 48329 | 23726 | 15481 | 11841 |
| 65° | 51782 | 35594 | 20495 | 12920 | 9703 |
| 70° | 33339 | 22632 | 14682 | 9361 | 5321 |
| 75° | 14064 | 12370 | 7032 | 3558 | 1779 |
| 80° | 2652 | 2652 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 141193 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 34.9 | 4.8 |
| 10°-20° | 100.5 | 13.7 |
| 20°-30° | 146.9 | 20.0 |
| 30°-40° | 160.1 | 21.8 |
| 40°-50° | 138.5 | 18.9 |
| 50°-60° | 92.8 | 12.7 |
| 60°-70° | 47.9 | 6.5 |
| 70°-80° | 11.3 | 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° | 282.3 | 38.5 |
| 0°-40° | 442.3 | 60.3 |
| 0°-60° | 673.6 | 91.9 |
| 0°-90° | 733.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 733.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 368 | 368 | 368 | 368 | 368 | |
| 5° | 451 | 420 | 358 | 314 | 297 | 46 |
| 15° | 649 | 503 | 297 | 210 | 187 | 184 |
| 25° | 726 | 507 | 220 | 133 | 112 | 333 |
| 35° | 651 | 430 | 154 | 87 | 75 | 403 |
| 45° | 455 | 291 | 104 | 62 | 52 | 349 |
| 55° | 231 | 168 | 69 | 44 | 35 | 214 |
| 65° | 100 | 69 | 40 | 25 | 19 | 101 |
| 75° | 17 | 15 | 8 | 4 | 2 | 22 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART17R709030D2WDE010 E3LSWW1WMH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 368.0 | 368.0 | 368.0 | 368.0 | 368.0 | 368.0 | 368.0 | 368.0 | 368.0 | 368.0 | 368.0 |
| 2.5° | 409.6 | 407.5 | 407.5 | 403.3 | 399.2 | 395.0 | 388.8 | 382.5 | 376.3 | 370.1 | 365.9 |
| 5° | 451.1 | 453.2 | 451.1 | 442.8 | 432.4 | 420.0 | 407.5 | 392.9 | 378.4 | 365.9 | 357.6 |
| 7.5° | 499.0 | 499.0 | 492.7 | 482.3 | 467.8 | 447.0 | 426.2 | 401.2 | 378.4 | 357.6 | 347.2 |
| 10° | 544.7 | 544.7 | 534.3 | 517.7 | 494.8 | 467.8 | 438.7 | 405.4 | 374.2 | 345.1 | 332.6 |
| 12.5° | 600.8 | 598.7 | 586.3 | 559.2 | 526.0 | 486.5 | 447.0 | 405.4 | 368.0 | 332.6 | 316.0 |
| 15° | 648.6 | 646.6 | 629.9 | 596.7 | 553.0 | 503.1 | 449.1 | 401.2 | 355.5 | 316.0 | 297.3 |
| 17.5° | 684.0 | 679.8 | 661.1 | 625.8 | 575.9 | 513.5 | 451.1 | 392.9 | 341.0 | 297.3 | 278.6 |
| 20° | 706.9 | 704.8 | 684.0 | 642.4 | 588.4 | 519.7 | 449.1 | 382.5 | 326.4 | 278.6 | 257.8 |
| 22.5° | 721.4 | 717.2 | 696.5 | 650.7 | 588.4 | 517.7 | 440.7 | 368.0 | 307.7 | 259.9 | 239.1 |
| 25° | 725.6 | 723.5 | 698.5 | 648.6 | 582.1 | 507.3 | 428.3 | 353.4 | 289.0 | 241.2 | 220.4 |
| 26° | 725.6 | 723.5 | 698.5 | 646.6 | 578.0 | 501.0 | 422.0 | 347.2 | 282.7 | 232.8 | 214.1 |
| 27.5° | 723.5 | 721.4 | 694.4 | 640.3 | 569.6 | 490.6 | 409.6 | 334.7 | 270.3 | 222.5 | 201.7 |
| 30° | 711.0 | 706.9 | 679.8 | 625.8 | 550.9 | 469.8 | 388.8 | 316.0 | 251.6 | 203.7 | 185.0 |
| 32.5° | 684.0 | 679.8 | 650.7 | 600.8 | 530.1 | 447.0 | 365.9 | 295.2 | 232.8 | 185.0 | 168.4 |
| 35° | 650.7 | 646.6 | 617.5 | 569.6 | 501.0 | 430.3 | 341.0 | 272.3 | 212.1 | 170.5 | 153.8 |
| 37.5° | 609.1 | 602.9 | 578.0 | 528.1 | 465.7 | 411.6 | 320.2 | 249.5 | 193.3 | 153.8 | 139.3 |
| 40° | 557.2 | 555.1 | 532.2 | 486.5 | 424.1 | 378.4 | 307.7 | 249.5 | 176.7 | 139.3 | 126.8 |
| 42.5° | 507.3 | 503.1 | 482.3 | 442.8 | 386.7 | 330.6 | 270.3 | 239.1 | 164.2 | 124.7 | 114.3 |
| 45° | 455.3 | 451.1 | 432.4 | 399.2 | 347.2 | 291.1 | 291.1 | 205.8 | 141.4 | 114.3 | 103.9 |
| 47.5° | 399.2 | 395.0 | 380.5 | 355.5 | 309.8 | 259.9 | 212.1 | 168.4 | 128.9 | 101.9 | 93.6 |
| 50° | 343.0 | 345.1 | 332.6 | 307.7 | 272.3 | 226.6 | 183.0 | 141.4 | 110.2 | 91.5 | 83.2 |
| 52.5° | 286.9 | 284.8 | 276.5 | 259.9 | 234.9 | 195.4 | 155.9 | 120.6 | 95.6 | 81.1 | 76.9 |
| 55° | 230.8 | 232.8 | 228.7 | 218.3 | 197.5 | 168.4 | 131.0 | 103.9 | 85.2 | 72.8 | 68.6 |
| 57.5° | 191.3 | 193.3 | 185.0 | 178.8 | 162.2 | 137.2 | 108.1 | 87.3 | 72.8 | 64.4 | 60.3 |
| 60° | 158.0 | 160.1 | 153.8 | 145.5 | 133.1 | 110.2 | 87.3 | 72.8 | 64.4 | 58.2 | 54.1 |
| 62.5° | 128.9 | 126.8 | 122.7 | 114.3 | 103.9 | 87.3 | 70.7 | 60.3 | 54.1 | 49.9 | 47.8 |
| 65° | 99.8 | 99.8 | 95.6 | 89.4 | 81.1 | 68.6 | 56.1 | 49.9 | 45.7 | 41.6 | 39.5 |
| 67.5° | 74.8 | 74.8 | 70.7 | 66.5 | 58.2 | 49.9 | 43.7 | 39.5 | 37.4 | 33.3 | 31.2 |
| 70° | 52.0 | 52.0 | 49.9 | 47.8 | 41.6 | 35.3 | 33.3 | 29.1 | 27.0 | 24.9 | 22.9 |
| 72.5° | 33.3 | 33.3 | 33.3 | 29.1 | 27.0 | 22.9 | 22.9 | 20.8 | 18.7 | 16.6 | 16.6 |
| 75° | 16.6 | 18.7 | 16.6 | 16.6 | 14.6 | 14.6 | 12.5 | 12.5 | 10.4 | 10.4 | 8.3 |
| 77.5° | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 80° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 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: P3ART17R709030D2WDE010 E3LSWW1WMH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 368.0 | 368.0 | 368.0 | 368.0 | 368.0 | 368.0 | 368.0 | 368.0 | 368.0 | 368.0 |
| 2.5° | 361.7 | 355.5 | 351.3 | 345.1 | 341.0 | 336.8 | 334.7 | 332.6 | 332.6 | 332.6 |
| 5° | 351.3 | 341.0 | 330.6 | 320.2 | 313.9 | 307.7 | 301.5 | 299.4 | 297.3 | 297.3 |
| 7.5° | 338.9 | 322.2 | 307.7 | 295.2 | 284.8 | 278.6 | 272.3 | 268.2 | 266.1 | 266.1 |
| 10° | 322.2 | 301.5 | 284.8 | 268.2 | 257.8 | 249.5 | 245.3 | 239.1 | 239.1 | 237.0 |
| 12.5° | 303.5 | 278.6 | 259.9 | 245.3 | 234.9 | 224.5 | 218.3 | 214.1 | 212.1 | 212.1 |
| 15° | 282.7 | 257.8 | 237.0 | 220.4 | 210.0 | 199.6 | 193.3 | 189.2 | 187.1 | 187.1 |
| 17.5° | 262.0 | 234.9 | 214.1 | 197.5 | 187.1 | 176.7 | 170.5 | 166.3 | 166.3 | 164.2 |
| 20° | 241.2 | 214.1 | 193.3 | 176.7 | 166.3 | 158.0 | 151.8 | 147.6 | 145.5 | 147.6 |
| 22.5° | 222.5 | 195.4 | 174.6 | 160.1 | 147.6 | 139.3 | 133.1 | 131.0 | 128.9 | 128.9 |
| 25° | 201.7 | 176.7 | 158.0 | 143.4 | 133.1 | 124.7 | 118.5 | 116.4 | 114.3 | 112.3 |
| 26° | 195.4 | 170.5 | 151.8 | 137.2 | 126.8 | 118.5 | 114.3 | 110.2 | 108.1 | 108.1 |
| 27.5° | 187.1 | 160.1 | 143.4 | 128.9 | 118.5 | 112.3 | 106.0 | 103.9 | 101.9 | 101.9 |
| 30° | 168.4 | 145.5 | 128.9 | 116.4 | 108.1 | 99.8 | 95.6 | 93.6 | 91.5 | 91.5 |
| 32.5° | 153.8 | 131.0 | 116.4 | 106.0 | 97.7 | 91.5 | 87.3 | 83.2 | 83.2 | 83.2 |
| 35° | 139.3 | 118.5 | 106.0 | 95.6 | 87.3 | 81.1 | 79.0 | 76.9 | 74.8 | 74.8 |
| 37.5° | 126.8 | 108.1 | 95.6 | 87.3 | 81.1 | 74.8 | 70.7 | 68.6 | 68.6 | 68.6 |
| 40° | 114.3 | 99.8 | 87.3 | 79.0 | 72.8 | 68.6 | 64.4 | 62.4 | 62.4 | 62.4 |
| 42.5° | 103.9 | 89.4 | 81.1 | 72.8 | 66.5 | 62.4 | 60.3 | 58.2 | 56.1 | 56.1 |
| 45° | 95.6 | 83.2 | 72.8 | 66.5 | 62.4 | 58.2 | 54.1 | 52.0 | 52.0 | 52.0 |
| 47.5° | 85.2 | 76.9 | 66.5 | 60.3 | 56.1 | 52.0 | 49.9 | 47.8 | 47.8 | 47.8 |
| 50° | 79.0 | 70.7 | 62.4 | 56.1 | 52.0 | 47.8 | 45.7 | 43.7 | 43.7 | 43.7 |
| 52.5° | 70.7 | 64.4 | 58.2 | 52.0 | 47.8 | 43.7 | 41.6 | 39.5 | 39.5 | 39.5 |
| 55° | 64.4 | 58.2 | 52.0 | 47.8 | 43.7 | 39.5 | 37.4 | 35.3 | 35.3 | 35.3 |
| 57.5° | 58.2 | 52.0 | 47.8 | 43.7 | 39.5 | 37.4 | 33.3 | 33.3 | 31.2 | 31.2 |
| 60° | 52.0 | 45.7 | 41.6 | 39.5 | 35.3 | 33.3 | 29.1 | 27.0 | 27.0 | 27.0 |
| 62.5° | 43.7 | 41.6 | 37.4 | 33.3 | 29.1 | 27.0 | 24.9 | 22.9 | 22.9 | 22.9 |
| 65° | 37.4 | 35.3 | 31.2 | 27.0 | 24.9 | 22.9 | 20.8 | 18.7 | 18.7 | 18.7 |
| 67.5° | 31.2 | 27.0 | 24.9 | 22.9 | 20.8 | 18.7 | 16.6 | 14.6 | 12.5 | 14.6 |
| 70° | 22.9 | 20.8 | 18.7 | 16.6 | 14.6 | 12.5 | 10.4 | 10.4 | 8.3 | 8.3 |
| 72.5° | 14.6 | 12.5 | 12.5 | 10.4 | 8.3 | 8.3 | 6.2 | 6.2 | 4.2 | 4.2 |
| 75° | 8.3 | 8.3 | 6.2 | 6.2 | 4.2 | 4.2 | 2.1 | 2.1 | 2.1 | 2.1 |
| 77.5° | 4.2 | 2.1 | 2.1 | 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)