

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: P3ART17R70W2N902750DE010 E3LCWW1WMH_5000K

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: P3ART17R70W2N902750DE010 E3LCWW1WMH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

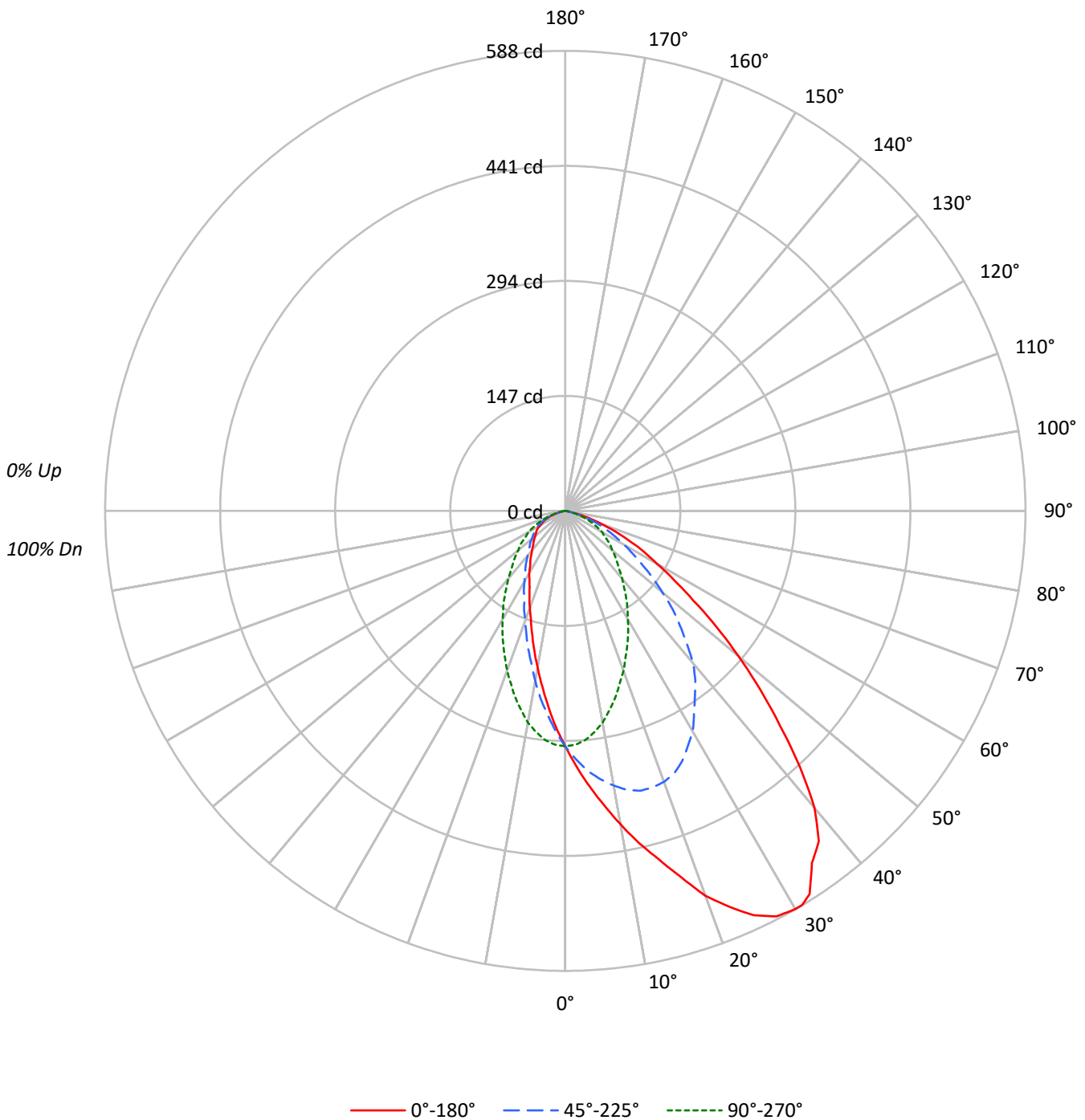
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 612.0 lumens
Efficiency: N/A
Efficacy: 31.5 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): 19.4
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: P3ART17R70W2N902750DE010 E3LCWW1WMH_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART17R70W2N902750DE010 E3LCWW1WMH_5000K

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° | 65960 | 65960 | 65960 | 65960 | 65960 |
| 5° | 77702 | 73497 | 64693 | 57407 | 55118 |
| 10° | 90602 | 79380 | 61166 | 49164 | 45290 |
| 15° | 104609 | 84087 | 56050 | 41453 | 37117 |
| 20° | 122137 | 86014 | 50731 | 34886 | 30849 |
| 25° | 137984 | 85408 | 45438 | 29881 | 26082 |
| 30° | 148808 | 82342 | 40513 | 26409 | 23345 |
| 35° | 147097 | 77283 | 36299 | 23744 | 20934 |
| 40° | 141866 | 72679 | 32346 | 21412 | 18921 |
| 45° | 120261 | 64162 | 29119 | 19940 | 17800 |
| 50° | 98487 | 55162 | 26677 | 18967 | 17193 |
| 55° | 76461 | 45877 | 25270 | 18618 | 17280 |
| 60° | 59469 | 38111 | 23638 | 18288 | 16007 |
| 65° | 46905 | 31599 | 20754 | 17122 | 15358 |
| 70° | 32313 | 23401 | 16734 | 14490 | 13400 |
| 75° | 16182 | 13217 | 11777 | 10336 | 8811 |
| 80° | 2147 | 4420 | 6566 | 4420 | 2147 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 120261 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 28.1 | 4.6 |
| 10°-20° | 78.4 | 12.8 |
| 20°-30° | 115.5 | 18.9 |
| 30°-40° | 129.5 | 21.2 |
| 40°-50° | 113.8 | 18.6 |
| 50°-60° | 81.5 | 13.3 |
| 60°-70° | 48.3 | 7.9 |
| 70°-80° | 16.2 | 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° | 222.0 | 36.3 |
| 0°-40° | 351.5 | 57.4 |
| 0°-60° | 546.8 | 89.3 |
| 0°-90° | 612.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 612.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 301 | 301 | 301 | 301 | 301 | |
| 5° | 353 | 334 | 294 | 261 | 250 | 35 |
| 15° | 461 | 370 | 247 | 183 | 164 | 133 |
| 25° | 570 | 353 | 188 | 124 | 108 | 262 |
| 35° | 550 | 289 | 136 | 89 | 78 | 345 |
| 45° | 388 | 207 | 94 | 64 | 57 | 300 |
| 55° | 200 | 120 | 66 | 49 | 45 | 183 |
| 65° | 90 | 61 | 40 | 33 | 30 | 90 |
| 75° | 19 | 16 | 14 | 12 | 10 | 23 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART17R70W2N902750DE010 E3LCWW1WMH_5000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 300.8 | 300.8 | 300.8 | 300.8 | 300.8 | 300.8 | 300.8 | 300.8 | 300.8 | 300.8 | 300.8 |
| 2.5° | 326.9 | 326.9 | 326.9 | 323.4 | 323.4 | 318.2 | 314.7 | 309.5 | 306.0 | 300.8 | 299.1 |
| 5° | 353.0 | 353.0 | 349.5 | 346.0 | 340.8 | 333.9 | 325.2 | 316.5 | 306.0 | 297.3 | 293.9 |
| 7.5° | 379.1 | 380.8 | 375.6 | 368.6 | 358.2 | 346.0 | 333.9 | 320.0 | 304.3 | 292.1 | 285.2 |
| 10° | 406.9 | 406.9 | 399.9 | 389.5 | 373.9 | 356.5 | 337.3 | 318.2 | 299.1 | 281.7 | 274.7 |
| 12.5° | 434.7 | 433.0 | 424.3 | 408.6 | 389.5 | 365.2 | 339.1 | 314.7 | 292.1 | 271.3 | 260.8 |
| 15° | 460.8 | 460.8 | 448.6 | 429.5 | 401.7 | 370.4 | 339.1 | 307.8 | 281.7 | 257.4 | 246.9 |
| 17.5° | 490.4 | 490.4 | 474.7 | 445.1 | 410.4 | 370.4 | 333.9 | 299.1 | 269.5 | 243.4 | 231.3 |
| 20° | 523.4 | 521.7 | 499.1 | 459.1 | 413.8 | 368.6 | 326.9 | 288.7 | 255.6 | 227.8 | 217.4 |
| 22.5° | 547.7 | 546.0 | 519.9 | 471.2 | 415.6 | 363.4 | 314.7 | 274.7 | 241.7 | 213.9 | 201.7 |
| 25° | 570.3 | 566.9 | 537.3 | 476.4 | 412.1 | 353.0 | 302.6 | 259.1 | 227.8 | 200.0 | 187.8 |
| 27.5° | 584.3 | 582.5 | 549.5 | 474.7 | 403.4 | 339.1 | 286.9 | 245.2 | 212.1 | 184.3 | 173.9 |
| 30° | 587.7 | 589.5 | 549.5 | 466.0 | 389.5 | 325.2 | 271.3 | 229.5 | 196.5 | 172.1 | 160.0 |
| 31° | 587.7 | 589.5 | 546.0 | 460.8 | 384.3 | 318.2 | 264.3 | 224.3 | 189.5 | 165.2 | 154.8 |
| 32.5° | 580.8 | 577.3 | 540.8 | 452.1 | 372.1 | 306.0 | 255.6 | 215.6 | 180.8 | 156.5 | 147.8 |
| 35° | 549.5 | 551.2 | 523.4 | 433.0 | 354.7 | 288.7 | 238.2 | 198.2 | 165.2 | 144.3 | 135.6 |
| 37.5° | 532.1 | 532.1 | 481.7 | 406.9 | 335.6 | 273.0 | 217.4 | 179.1 | 151.3 | 132.2 | 123.5 |
| 40° | 495.6 | 490.4 | 443.4 | 379.1 | 313.0 | 253.9 | 205.2 | 166.9 | 139.1 | 120.0 | 113.0 |
| 42.5° | 443.4 | 438.2 | 401.7 | 354.7 | 283.4 | 229.5 | 194.8 | 147.8 | 125.2 | 109.5 | 102.6 |
| 45° | 387.8 | 384.3 | 356.5 | 313.0 | 255.6 | 206.9 | 168.7 | 135.6 | 114.8 | 99.1 | 93.9 |
| 47.5° | 337.3 | 332.1 | 311.3 | 278.2 | 231.3 | 186.1 | 146.1 | 121.7 | 102.6 | 90.4 | 86.9 |
| 50° | 288.7 | 286.9 | 269.5 | 243.4 | 205.2 | 161.7 | 128.7 | 107.8 | 93.9 | 83.5 | 78.2 |
| 52.5° | 243.4 | 240.0 | 231.3 | 210.4 | 179.1 | 140.8 | 113.0 | 95.6 | 83.5 | 76.5 | 73.0 |
| 55° | 200.0 | 200.0 | 191.3 | 177.4 | 153.0 | 120.0 | 99.1 | 85.2 | 74.8 | 69.6 | 66.1 |
| 57.5° | 165.2 | 165.2 | 158.2 | 149.5 | 126.9 | 102.6 | 86.9 | 74.8 | 67.8 | 62.6 | 59.1 |
| 60° | 135.6 | 135.6 | 130.4 | 121.7 | 106.1 | 86.9 | 74.8 | 66.1 | 60.9 | 55.6 | 53.9 |
| 62.5° | 113.0 | 111.3 | 107.8 | 99.1 | 86.9 | 73.0 | 64.3 | 57.4 | 52.2 | 48.7 | 46.9 |
| 65° | 90.4 | 88.7 | 85.2 | 78.2 | 69.6 | 60.9 | 53.9 | 48.7 | 45.2 | 41.7 | 40.0 |
| 67.5° | 69.6 | 69.6 | 66.1 | 60.9 | 53.9 | 48.7 | 43.5 | 40.0 | 36.5 | 34.8 | 33.0 |
| 70° | 50.4 | 50.4 | 48.7 | 45.2 | 40.0 | 36.5 | 33.0 | 31.3 | 29.6 | 27.8 | 26.1 |
| 72.5° | 34.8 | 34.8 | 33.0 | 31.3 | 27.8 | 26.1 | 22.6 | 22.6 | 20.9 | 20.9 | 19.1 |
| 75° | 19.1 | 19.1 | 19.1 | 17.4 | 17.4 | 15.6 | 15.6 | 15.6 | 13.9 | 13.9 | 13.9 |
| 77.5° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |
| 80° | 1.7 | 1.7 | 1.7 | 1.7 | 3.5 | 3.5 | 3.5 | 3.5 | 5.2 | 5.2 | 5.2 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 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#
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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 300.8 | 300.8 | 300.8 | 300.8 | 300.8 | 300.8 | 300.8 | 300.8 | 300.8 | 300.8 |
| 2.5° | 297.3 | 292.1 | 288.7 | 286.9 | 281.7 | 280.0 | 278.2 | 276.5 | 276.5 | 276.5 |
| 5° | 290.4 | 281.7 | 273.0 | 267.8 | 260.8 | 257.4 | 253.9 | 252.1 | 250.4 | 250.4 |
| 7.5° | 278.2 | 267.8 | 257.4 | 248.7 | 241.7 | 234.7 | 231.3 | 227.8 | 227.8 | 226.1 |
| 10° | 266.0 | 252.1 | 240.0 | 227.8 | 220.8 | 212.1 | 208.7 | 205.2 | 203.4 | 203.4 |
| 12.5° | 252.1 | 234.7 | 220.8 | 210.4 | 200.0 | 193.0 | 187.8 | 184.3 | 182.6 | 182.6 |
| 15° | 236.5 | 219.1 | 203.4 | 193.0 | 182.6 | 173.9 | 168.7 | 165.2 | 163.5 | 163.5 |
| 17.5° | 220.8 | 203.4 | 186.1 | 175.6 | 165.2 | 156.5 | 153.0 | 149.5 | 147.8 | 146.1 |
| 20° | 206.9 | 186.1 | 172.1 | 158.2 | 149.5 | 142.6 | 137.4 | 133.9 | 132.2 | 132.2 |
| 22.5° | 191.3 | 172.1 | 156.5 | 146.1 | 137.4 | 130.4 | 123.5 | 121.7 | 120.0 | 120.0 |
| 25° | 175.6 | 158.2 | 144.3 | 133.9 | 123.5 | 118.2 | 113.0 | 109.5 | 109.5 | 107.8 |
| 27.5° | 163.5 | 146.1 | 132.2 | 121.7 | 114.8 | 107.8 | 104.3 | 100.9 | 99.1 | 99.1 |
| 30° | 149.5 | 133.9 | 121.7 | 113.0 | 104.3 | 99.1 | 95.6 | 92.2 | 92.2 | 92.2 |
| 31° | 146.1 | 130.4 | 118.2 | 107.8 | 100.9 | 95.6 | 92.2 | 90.4 | 88.7 | 88.7 |
| 32.5° | 137.4 | 123.5 | 111.3 | 102.6 | 95.6 | 90.4 | 86.9 | 85.2 | 85.2 | 83.5 |
| 35° | 126.9 | 113.0 | 102.6 | 93.9 | 88.7 | 83.5 | 80.0 | 78.2 | 78.2 | 78.2 |
| 37.5° | 116.5 | 104.3 | 93.9 | 86.9 | 81.7 | 76.5 | 74.8 | 71.3 | 71.3 | 71.3 |
| 40° | 106.1 | 95.6 | 86.9 | 80.0 | 74.8 | 71.3 | 69.6 | 67.8 | 66.1 | 66.1 |
| 42.5° | 97.4 | 86.9 | 80.0 | 74.8 | 69.6 | 66.1 | 64.3 | 62.6 | 62.6 | 60.9 |
| 45° | 88.7 | 80.0 | 74.8 | 69.6 | 64.3 | 62.6 | 60.9 | 59.1 | 57.4 | 57.4 |
| 47.5° | 81.7 | 74.8 | 67.8 | 64.3 | 60.9 | 57.4 | 55.6 | 55.6 | 53.9 | 53.9 |
| 50° | 74.8 | 67.8 | 62.6 | 59.1 | 55.6 | 53.9 | 52.2 | 52.2 | 50.4 | 50.4 |
| 52.5° | 69.6 | 62.6 | 59.1 | 55.6 | 52.2 | 50.4 | 48.7 | 48.7 | 46.9 | 46.9 |
| 55° | 62.6 | 57.4 | 53.9 | 52.2 | 48.7 | 46.9 | 45.2 | 43.5 | 43.5 | 45.2 |
| 57.5° | 57.4 | 53.9 | 50.4 | 48.7 | 45.2 | 43.5 | 41.7 | 41.7 | 40.0 | 41.7 |
| 60° | 52.2 | 48.7 | 45.2 | 43.5 | 41.7 | 40.0 | 38.3 | 36.5 | 36.5 | 36.5 |
| 62.5° | 46.9 | 43.5 | 41.7 | 38.3 | 36.5 | 36.5 | 34.8 | 34.8 | 34.8 | 33.0 |
| 65° | 40.0 | 38.3 | 36.5 | 34.8 | 33.0 | 31.3 | 31.3 | 29.6 | 29.6 | 29.6 |
| 67.5° | 33.0 | 31.3 | 29.6 | 29.6 | 27.8 | 26.1 | 26.1 | 26.1 | 26.1 | 24.3 |
| 70° | 26.1 | 24.3 | 24.3 | 22.6 | 22.6 | 22.6 | 20.9 | 20.9 | 20.9 | 20.9 |
| 72.5° | 19.1 | 19.1 | 17.4 | 17.4 | 17.4 | 17.4 | 15.6 | 15.6 | 15.6 | 15.6 |
| 75° | 13.9 | 13.9 | 13.9 | 12.2 | 12.2 | 12.2 | 10.4 | 10.4 | 10.4 | 10.4 |
| 77.5° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 80° | 5.2 | 5.2 | 5.2 | 5.2 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 1.7 |
| 82.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 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)