

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: P3ART13R70B2750DE010 E3LSWW1GPH_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 (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART13R70B2750DE010 E3LSWW1GPH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 80CRI , E3LSWW1GPH TRIM
Light Source: -
Ballast/Driver: -

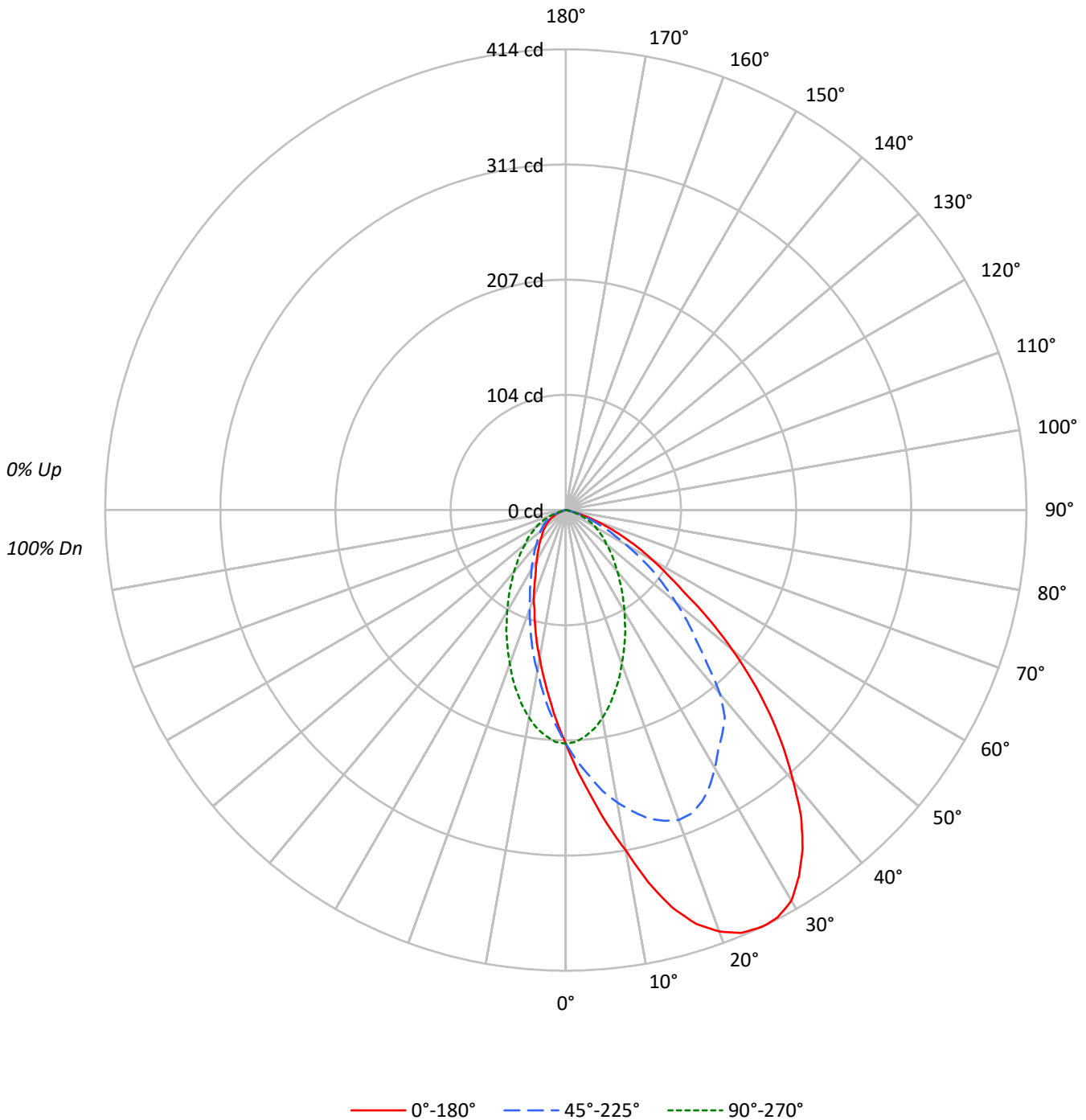
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 418.0 lumens
Efficiency: N/A
Efficacy: 21.9 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): 19.1
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: P3ART13R70B2750DE010 E3LSWW1GPH_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R70B2750DE010 E3LSWW1GPH_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 | 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° | 46005 | 46005 | 46005 | 46005 | 46005 |
| 5° | 56636 | 52718 | 44882 | 39401 | 37310 |
| 10° | 69159 | 59407 | 42239 | 32732 | 30104 |
| 15° | 83973 | 65131 | 38479 | 27174 | 24223 |
| 20° | 94065 | 69166 | 34303 | 22122 | 19648 |
| 25° | 100119 | 69996 | 30413 | 18364 | 15485 |
| 30° | 102674 | 67833 | 26713 | 15597 | 13217 |
| 35° | 99341 | 65692 | 23477 | 13331 | 11430 |
| 40° | 90942 | 61773 | 20696 | 11879 | 10191 |
| 45° | 80504 | 51478 | 18390 | 11040 | 9179 |
| 50° | 66727 | 44075 | 16170 | 10098 | 8494 |
| 55° | 50311 | 36701 | 14948 | 9519 | 7723 |
| 60° | 39514 | 27542 | 13508 | 8859 | 6754 |
| 65° | 29523 | 20288 | 11674 | 7368 | 5552 |
| 70° | 18978 | 12951 | 8335 | 5321 | 3013 |
| 75° | 8049 | 7032 | 3982 | 2033 | 1017 |
| 80° | 1515 | 1515 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 80504 cd/sqm



TEST NUMBER: P#

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 19.9 | 4.8 |
| 10°-20° | 57.3 | 13.7 |
| 20°-30° | 83.8 | 20.0 |
| 30°-40° | 91.3 | 21.8 |
| 40°-50° | 79.0 | 18.9 |
| 50°-60° | 52.9 | 12.7 |
| 60°-70° | 27.3 | 6.5 |
| 70°-80° | 6.5 | 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° | 161.0 | 38.5 |
| 0°-40° | 252.2 | 60.3 |
| 0°-60° | 384.1 | 91.9 |
| 0°-90° | 418.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 418.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 210 | 210 | 210 | 210 | 210 | |
| 5° | 257 | 240 | 204 | 179 | 170 | 26 |
| 15° | 370 | 287 | 170 | 120 | 107 | 105 |
| 25° | 414 | 289 | 126 | 76 | 64 | 190 |
| 35° | 371 | 245 | 88 | 50 | 43 | 230 |
| 45° | 260 | 166 | 59 | 36 | 30 | 199 |
| 55° | 132 | 96 | 39 | 25 | 20 | 122 |
| 65° | 57 | 39 | 22 | 14 | 11 | 57 |
| 75° | 10 | 8 | 5 | 2 | 1 | 12 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R70B2750DE010 E3LSWW1GPH_5000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 |
| 2.5° | 233.6 | 232.4 | 232.4 | 230.0 | 227.6 | 225.3 | 221.7 | 218.1 | 214.6 | 211.0 | 208.7 |
| 5° | 257.3 | 258.5 | 257.3 | 252.5 | 246.6 | 239.5 | 232.4 | 224.1 | 215.8 | 208.7 | 203.9 |
| 7.5° | 284.5 | 284.5 | 281.0 | 275.0 | 266.8 | 254.9 | 243.0 | 228.8 | 215.8 | 203.9 | 198.0 |
| 10° | 310.6 | 310.6 | 304.7 | 295.2 | 282.2 | 266.8 | 250.2 | 231.2 | 213.4 | 196.8 | 189.7 |
| 12.5° | 342.6 | 341.4 | 334.3 | 318.9 | 299.9 | 277.4 | 254.9 | 231.2 | 209.8 | 189.7 | 180.2 |
| 15° | 369.9 | 368.7 | 359.2 | 340.3 | 315.4 | 286.9 | 256.1 | 228.8 | 202.7 | 180.2 | 169.5 |
| 17.5° | 390.0 | 387.7 | 377.0 | 356.9 | 328.4 | 292.8 | 257.3 | 224.1 | 194.4 | 169.5 | 158.9 |
| 20° | 403.1 | 401.9 | 390.0 | 366.3 | 335.5 | 296.4 | 256.1 | 218.1 | 186.1 | 158.9 | 147.0 |
| 22.5° | 411.4 | 409.0 | 397.2 | 371.1 | 335.5 | 295.2 | 251.3 | 209.8 | 175.5 | 148.2 | 136.3 |
| 25° | 413.8 | 412.6 | 398.3 | 369.9 | 332.0 | 289.3 | 244.2 | 201.5 | 164.8 | 137.5 | 125.7 |
| 26° | 413.8 | 412.6 | 398.3 | 368.7 | 329.6 | 285.7 | 240.7 | 198.0 | 161.2 | 132.8 | 122.1 |
| 27.5° | 412.6 | 411.4 | 396.0 | 365.2 | 324.8 | 279.8 | 233.6 | 190.9 | 154.1 | 126.9 | 115.0 |
| 30° | 405.5 | 403.1 | 387.7 | 356.9 | 314.2 | 267.9 | 221.7 | 180.2 | 143.5 | 116.2 | 105.5 |
| 32.5° | 390.0 | 387.7 | 371.1 | 342.6 | 302.3 | 254.9 | 208.7 | 168.3 | 132.8 | 105.5 | 96.0 |
| 35° | 371.1 | 368.7 | 352.1 | 324.8 | 285.7 | 245.4 | 194.4 | 155.3 | 120.9 | 97.2 | 87.7 |
| 37.5° | 347.4 | 343.8 | 329.6 | 301.1 | 265.6 | 234.7 | 182.6 | 142.3 | 110.3 | 87.7 | 79.4 |
| 40° | 317.7 | 316.5 | 303.5 | 277.4 | 241.9 | 215.8 | 175.5 | 142.3 | 100.8 | 79.4 | 72.3 |
| 42.5° | 289.3 | 286.9 | 275.0 | 252.5 | 220.5 | 188.5 | 154.1 | 136.3 | 93.7 | 71.1 | 65.2 |
| 45° | 259.6 | 257.3 | 246.6 | 227.6 | 198.0 | 166.0 | 166.0 | 117.4 | 80.6 | 65.2 | 59.3 |
| 47.5° | 227.6 | 225.3 | 217.0 | 202.7 | 176.6 | 148.2 | 120.9 | 96.0 | 73.5 | 58.1 | 53.4 |
| 50° | 195.6 | 196.8 | 189.7 | 175.5 | 155.3 | 129.2 | 104.3 | 80.6 | 62.8 | 52.2 | 47.4 |
| 52.5° | 163.6 | 162.4 | 157.7 | 148.2 | 134.0 | 111.4 | 88.9 | 68.8 | 54.5 | 46.2 | 43.9 |
| 55° | 131.6 | 132.8 | 130.4 | 124.5 | 112.6 | 96.0 | 74.7 | 59.3 | 48.6 | 41.5 | 39.1 |
| 57.5° | 109.1 | 110.3 | 105.5 | 102.0 | 92.5 | 78.2 | 61.6 | 49.8 | 41.5 | 36.8 | 34.4 |
| 60° | 90.1 | 91.3 | 87.7 | 83.0 | 75.9 | 62.8 | 49.8 | 41.5 | 36.8 | 33.2 | 30.8 |
| 62.5° | 73.5 | 72.3 | 69.9 | 65.2 | 59.3 | 49.8 | 40.3 | 34.4 | 30.8 | 28.5 | 27.3 |
| 65° | 56.9 | 56.9 | 54.5 | 51.0 | 46.2 | 39.1 | 32.0 | 28.5 | 26.1 | 23.7 | 22.5 |
| 67.5° | 42.7 | 42.7 | 40.3 | 37.9 | 33.2 | 28.5 | 24.9 | 22.5 | 21.3 | 19.0 | 17.8 |
| 70° | 29.6 | 29.6 | 28.5 | 27.3 | 23.7 | 20.2 | 19.0 | 16.6 | 15.4 | 14.2 | 13.0 |
| 72.5° | 19.0 | 19.0 | 19.0 | 16.6 | 15.4 | 13.0 | 13.0 | 11.9 | 10.7 | 9.5 | 9.5 |
| 75° | 9.5 | 10.7 | 9.5 | 9.5 | 8.3 | 8.3 | 7.1 | 7.1 | 5.9 | 5.9 | 4.7 |
| 77.5° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 80° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 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: P3ART13R70B2750DE010 E3LSWW1GPH_5000K

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 | 209.8 |
| 2.5° | 206.3 | 202.7 | 200.4 | 196.8 | 194.4 | 192.1 | 190.9 | 189.7 | 189.7 | 189.7 |
| 5° | 200.4 | 194.4 | 188.5 | 182.6 | 179.0 | 175.5 | 171.9 | 170.7 | 169.5 | 169.5 |
| 7.5° | 193.2 | 183.8 | 175.5 | 168.3 | 162.4 | 158.9 | 155.3 | 152.9 | 151.8 | 151.8 |
| 10° | 183.8 | 171.9 | 162.4 | 152.9 | 147.0 | 142.3 | 139.9 | 136.3 | 136.3 | 135.2 |
| 12.5° | 173.1 | 158.9 | 148.2 | 139.9 | 134.0 | 128.0 | 124.5 | 122.1 | 120.9 | 120.9 |
| 15° | 161.2 | 147.0 | 135.2 | 125.7 | 119.7 | 113.8 | 110.3 | 107.9 | 106.7 | 106.7 |
| 17.5° | 149.4 | 134.0 | 122.1 | 112.6 | 106.7 | 100.8 | 97.2 | 94.8 | 94.8 | 93.7 |
| 20° | 137.5 | 122.1 | 110.3 | 100.8 | 94.8 | 90.1 | 86.5 | 84.2 | 83.0 | 84.2 |
| 22.5° | 126.9 | 111.4 | 99.6 | 91.3 | 84.2 | 79.4 | 75.9 | 74.7 | 73.5 | 73.5 |
| 25° | 115.0 | 100.8 | 90.1 | 81.8 | 75.9 | 71.1 | 67.6 | 66.4 | 65.2 | 64.0 |
| 26° | 111.4 | 97.2 | 86.5 | 78.2 | 72.3 | 67.6 | 65.2 | 62.8 | 61.6 | 61.6 |
| 27.5° | 106.7 | 91.3 | 81.8 | 73.5 | 67.6 | 64.0 | 60.5 | 59.3 | 58.1 | 58.1 |
| 30° | 96.0 | 83.0 | 73.5 | 66.4 | 61.6 | 56.9 | 54.5 | 53.4 | 52.2 | 52.2 |
| 32.5° | 87.7 | 74.7 | 66.4 | 60.5 | 55.7 | 52.2 | 49.8 | 47.4 | 47.4 | 47.4 |
| 35° | 79.4 | 67.6 | 60.5 | 54.5 | 49.8 | 46.2 | 45.1 | 43.9 | 42.7 | 42.7 |
| 37.5° | 72.3 | 61.6 | 54.5 | 49.8 | 46.2 | 42.7 | 40.3 | 39.1 | 39.1 | 39.1 |
| 40° | 65.2 | 56.9 | 49.8 | 45.1 | 41.5 | 39.1 | 36.8 | 35.6 | 35.6 | 35.6 |
| 42.5° | 59.3 | 51.0 | 46.2 | 41.5 | 37.9 | 35.6 | 34.4 | 33.2 | 32.0 | 32.0 |
| 45° | 54.5 | 47.4 | 41.5 | 37.9 | 35.6 | 33.2 | 30.8 | 29.6 | 29.6 | 29.6 |
| 47.5° | 48.6 | 43.9 | 37.9 | 34.4 | 32.0 | 29.6 | 28.5 | 27.3 | 27.3 | 27.3 |
| 50° | 45.1 | 40.3 | 35.6 | 32.0 | 29.6 | 27.3 | 26.1 | 24.9 | 24.9 | 24.9 |
| 52.5° | 40.3 | 36.8 | 33.2 | 29.6 | 27.3 | 24.9 | 23.7 | 22.5 | 22.5 | 22.5 |
| 55° | 36.8 | 33.2 | 29.6 | 27.3 | 24.9 | 22.5 | 21.3 | 20.2 | 20.2 | 20.2 |
| 57.5° | 33.2 | 29.6 | 27.3 | 24.9 | 22.5 | 21.3 | 19.0 | 19.0 | 17.8 | 17.8 |
| 60° | 29.6 | 26.1 | 23.7 | 22.5 | 20.2 | 19.0 | 16.6 | 15.4 | 15.4 | 15.4 |
| 62.5° | 24.9 | 23.7 | 21.3 | 19.0 | 16.6 | 15.4 | 14.2 | 13.0 | 13.0 | 13.0 |
| 65° | 21.3 | 20.2 | 17.8 | 15.4 | 14.2 | 13.0 | 11.9 | 10.7 | 10.7 | 10.7 |
| 67.5° | 17.8 | 15.4 | 14.2 | 13.0 | 11.9 | 10.7 | 9.5 | 8.3 | 7.1 | 8.3 |
| 70° | 13.0 | 11.9 | 10.7 | 9.5 | 8.3 | 7.1 | 5.9 | 5.9 | 4.7 | 4.7 |
| 72.5° | 8.3 | 7.1 | 7.1 | 5.9 | 4.7 | 4.7 | 3.6 | 3.6 | 2.4 | 2.4 |
| 75° | 4.7 | 4.7 | 3.6 | 3.6 | 2.4 | 2.4 | 1.2 | 1.2 | 1.2 | 1.2 |
| 77.5° | 2.4 | 1.2 | 1.2 | 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)