

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: P3ART13R709835DE010 E3LSWW1GPH

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: P3ART13R709835DE010 E3LSWW1GPH
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3LSWW1GPH TRIM
Light Source: -
Ballast/Driver: -

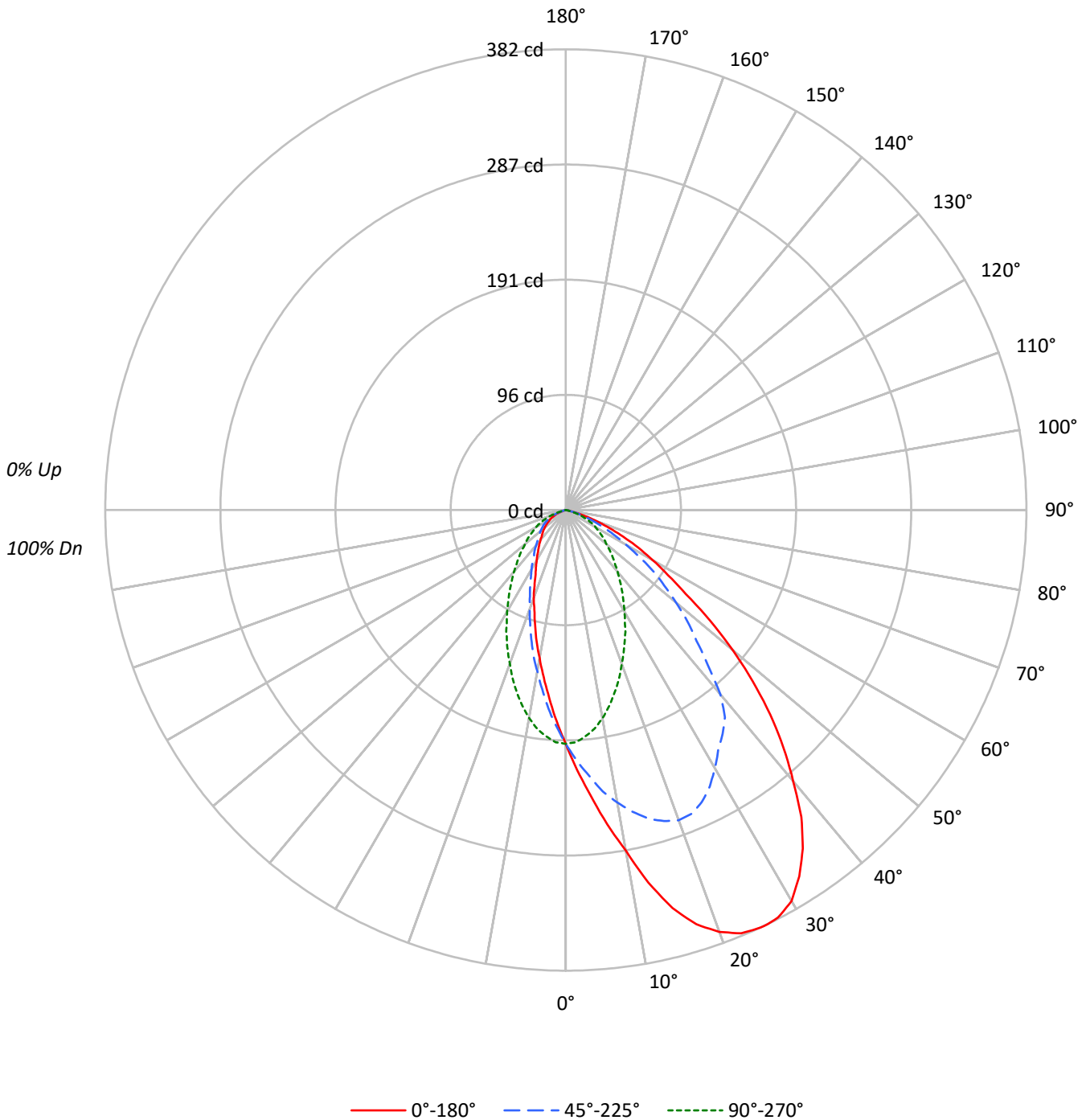
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 386.0 lumens
Efficiency: N/A
Efficacy: 26.6 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): 14.5
Input Voltage (V): NR
Input Current (A_{in}): 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: P3ART13R709835DE010 E3LSWW1GPH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART13R709835DE010 E3LSWW1GPH

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 42497 | 42497 | 42497 | 42497 | 42497 |
| 5° | 52300 | 48668 | 41448 | 36386 | 34471 |
| 10° | 63860 | 54842 | 39011 | 30238 | 27788 |
| 15° | 77549 | 60137 | 35551 | 25108 | 22361 |
| 20° | 86854 | 63869 | 31689 | 20442 | 18132 |
| 25° | 92449 | 64625 | 28066 | 16961 | 14299 |
| 30° | 94799 | 62643 | 24662 | 14407 | 12204 |
| 35° | 91738 | 60659 | 21683 | 12314 | 10547 |
| 40° | 83986 | 57050 | 19122 | 10963 | 9389 |
| 45° | 74364 | 47540 | 16963 | 10172 | 8497 |
| 50° | 61610 | 40698 | 14942 | 9347 | 7846 |
| 55° | 46450 | 33910 | 13801 | 8793 | 7111 |
| 60° | 36488 | 25437 | 12499 | 8157 | 6228 |
| 65° | 27292 | 18731 | 10792 | 6797 | 5137 |
| 70° | 17567 | 11925 | 7694 | 4937 | 2821 |
| 75° | 7456 | 6524 | 3728 | 1864 | 932 |
| 80° | 1389 | 1389 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 74364 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART13R709835DE010 E3LSWW1GPH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 18.4 | 4.8 |
| 10°-20° | 52.9 | 13.7 |
| 20°-30° | 77.4 | 20.0 |
| 30°-40° | 84.3 | 21.8 |
| 40°-50° | 72.9 | 18.9 |
| 50°-60° | 48.9 | 12.7 |
| 60°-70° | 25.2 | 6.5 |
| 70°-80° | 6.0 | 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° | 148.6 | 38.5 |
| 0°-40° | 232.9 | 60.3 |
| 0°-60° | 354.7 | 91.9 |
| 0°-90° | 386.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 386.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 194 | 194 | 194 | 194 | 194 | |
| 5° | 238 | 221 | 188 | 165 | 157 | 24 |
| 15° | 342 | 265 | 157 | 111 | 98 | 97 |
| 25° | 382 | 267 | 116 | 70 | 59 | 176 |
| 35° | 343 | 227 | 81 | 46 | 39 | 212 |
| 45° | 240 | 153 | 55 | 33 | 27 | 184 |
| 55° | 122 | 89 | 36 | 23 | 19 | 112 |
| 65° | 53 | 36 | 21 | 13 | 10 | 53 |
| 75° | 9 | 8 | 4 | 2 | 1 | 11 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R709835DE010 E3LSWW1GPH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 |
| 2.5° | 215.7 | 214.6 | 214.6 | 212.4 | 210.2 | 208.0 | 204.7 | 201.4 | 198.2 | 194.9 | 192.7 |
| 5° | 237.6 | 238.7 | 237.6 | 233.2 | 227.7 | 221.1 | 214.6 | 206.9 | 199.3 | 192.7 | 188.3 |
| 7.5° | 262.8 | 262.8 | 259.5 | 254.0 | 246.3 | 235.4 | 224.4 | 211.3 | 199.3 | 188.3 | 182.8 |
| 10° | 286.8 | 286.8 | 281.4 | 272.6 | 260.6 | 246.3 | 231.0 | 213.5 | 197.1 | 181.7 | 175.2 |
| 12.5° | 316.4 | 315.3 | 308.7 | 294.5 | 277.0 | 256.2 | 235.4 | 213.5 | 193.8 | 175.2 | 166.4 |
| 15° | 341.6 | 340.5 | 331.7 | 314.2 | 291.2 | 264.9 | 236.5 | 211.3 | 187.2 | 166.4 | 156.6 |
| 17.5° | 360.2 | 358.0 | 348.1 | 329.5 | 303.3 | 270.4 | 237.6 | 206.9 | 179.5 | 156.6 | 146.7 |
| 20° | 372.2 | 371.1 | 360.2 | 338.3 | 309.8 | 273.7 | 236.5 | 201.4 | 171.9 | 146.7 | 135.8 |
| 22.5° | 379.9 | 377.7 | 366.8 | 342.7 | 309.8 | 272.6 | 232.1 | 193.8 | 162.0 | 136.8 | 125.9 |
| 25° | 382.1 | 381.0 | 367.9 | 341.6 | 306.5 | 267.1 | 225.5 | 186.1 | 152.2 | 127.0 | 116.0 |
| 26° | 382.1 | 381.0 | 367.9 | 340.5 | 304.4 | 263.8 | 222.2 | 182.8 | 148.9 | 122.6 | 112.8 |
| 27.5° | 381.0 | 379.9 | 365.7 | 337.2 | 300.0 | 258.4 | 215.7 | 176.3 | 142.3 | 117.1 | 106.2 |
| 30° | 374.4 | 372.2 | 358.0 | 329.5 | 290.1 | 247.4 | 204.7 | 166.4 | 132.5 | 107.3 | 97.4 |
| 32.5° | 360.2 | 358.0 | 342.7 | 316.4 | 279.2 | 235.4 | 192.7 | 155.5 | 122.6 | 97.4 | 88.7 |
| 35° | 342.7 | 340.5 | 325.2 | 300.0 | 263.8 | 226.6 | 179.5 | 143.4 | 111.7 | 89.8 | 81.0 |
| 37.5° | 320.8 | 317.5 | 304.4 | 278.1 | 245.2 | 216.8 | 168.6 | 131.4 | 101.8 | 81.0 | 73.4 |
| 40° | 293.4 | 292.3 | 280.3 | 256.2 | 223.3 | 199.3 | 162.0 | 131.4 | 93.1 | 73.4 | 66.8 |
| 42.5° | 267.1 | 264.9 | 254.0 | 233.2 | 203.6 | 174.1 | 142.3 | 125.9 | 86.5 | 65.7 | 60.2 |
| 45° | 239.8 | 237.6 | 227.7 | 210.2 | 182.8 | 153.3 | 125.3 | 108.4 | 74.4 | 60.2 | 54.7 |
| 47.5° | 210.2 | 208.0 | 200.3 | 187.2 | 163.1 | 136.8 | 111.7 | 88.7 | 67.9 | 53.6 | 49.3 |
| 50° | 180.6 | 181.7 | 175.2 | 162.0 | 143.4 | 119.3 | 96.3 | 74.4 | 58.0 | 48.2 | 43.8 |
| 52.5° | 151.1 | 150.0 | 145.6 | 136.8 | 123.7 | 102.9 | 82.1 | 63.5 | 50.4 | 42.7 | 40.5 |
| 55° | 121.5 | 122.6 | 120.4 | 115.0 | 104.0 | 88.7 | 69.0 | 54.7 | 44.9 | 38.3 | 36.1 |
| 57.5° | 100.7 | 101.8 | 97.4 | 94.2 | 85.4 | 72.3 | 56.9 | 46.0 | 38.3 | 33.9 | 31.7 |
| 60° | 83.2 | 84.3 | 81.0 | 76.6 | 70.1 | 58.0 | 46.0 | 38.3 | 33.9 | 30.7 | 28.5 |
| 62.5° | 67.9 | 66.8 | 64.6 | 60.2 | 54.7 | 46.0 | 37.2 | 31.7 | 28.5 | 26.3 | 25.2 |
| 65° | 52.6 | 52.6 | 50.4 | 47.1 | 42.7 | 36.1 | 29.6 | 26.3 | 24.1 | 21.9 | 20.8 |
| 67.5° | 39.4 | 39.4 | 37.2 | 35.0 | 30.7 | 26.3 | 23.0 | 20.8 | 19.7 | 17.5 | 16.4 |
| 70° | 27.4 | 27.4 | 26.3 | 25.2 | 21.9 | 18.6 | 17.5 | 15.3 | 14.2 | 13.1 | 12.0 |
| 72.5° | 17.5 | 17.5 | 17.5 | 15.3 | 14.2 | 12.0 | 12.0 | 10.9 | 9.9 | 8.8 | 8.8 |
| 75° | 8.8 | 9.9 | 8.8 | 8.8 | 7.7 | 7.7 | 6.6 | 6.6 | 5.5 | 5.5 | 4.4 |
| 77.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 80° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 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: P3ART13R709835DE010 E3LSWW1GPH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 |
| 2.5° | 190.5 | 187.2 | 185.0 | 181.7 | 179.5 | 177.4 | 176.3 | 175.2 | 175.2 | 175.2 |
| 5° | 185.0 | 179.5 | 174.1 | 168.6 | 165.3 | 162.0 | 158.7 | 157.7 | 156.6 | 156.6 |
| 7.5° | 178.5 | 169.7 | 162.0 | 155.5 | 150.0 | 146.7 | 143.4 | 141.2 | 140.1 | 140.1 |
| 10° | 169.7 | 158.7 | 150.0 | 141.2 | 135.8 | 131.4 | 129.2 | 125.9 | 125.9 | 124.8 |
| 12.5° | 159.8 | 146.7 | 136.8 | 129.2 | 123.7 | 118.2 | 115.0 | 112.8 | 111.7 | 111.7 |
| 15° | 148.9 | 135.8 | 124.8 | 116.0 | 110.6 | 105.1 | 101.8 | 99.6 | 98.5 | 98.5 |
| 17.5° | 137.9 | 123.7 | 112.8 | 104.0 | 98.5 | 93.1 | 89.8 | 87.6 | 87.6 | 86.5 |
| 20° | 127.0 | 112.8 | 101.8 | 93.1 | 87.6 | 83.2 | 79.9 | 77.7 | 76.6 | 77.7 |
| 22.5° | 117.1 | 102.9 | 92.0 | 84.3 | 77.7 | 73.4 | 70.1 | 69.0 | 67.9 | 67.9 |
| 25° | 106.2 | 93.1 | 83.2 | 75.5 | 70.1 | 65.7 | 62.4 | 61.3 | 60.2 | 59.1 |
| 26° | 102.9 | 89.8 | 79.9 | 72.3 | 66.8 | 62.4 | 60.2 | 58.0 | 56.9 | 56.9 |
| 27.5° | 98.5 | 84.3 | 75.5 | 67.9 | 62.4 | 59.1 | 55.8 | 54.7 | 53.6 | 53.6 |
| 30° | 88.7 | 76.6 | 67.9 | 61.3 | 56.9 | 52.6 | 50.4 | 49.3 | 48.2 | 48.2 |
| 32.5° | 81.0 | 69.0 | 61.3 | 55.8 | 51.5 | 48.2 | 46.0 | 43.8 | 43.8 | 43.8 |
| 35° | 73.4 | 62.4 | 55.8 | 50.4 | 46.0 | 42.7 | 41.6 | 40.5 | 39.4 | 39.4 |
| 37.5° | 66.8 | 56.9 | 50.4 | 46.0 | 42.7 | 39.4 | 37.2 | 36.1 | 36.1 | 36.1 |
| 40° | 60.2 | 52.6 | 46.0 | 41.6 | 38.3 | 36.1 | 33.9 | 32.8 | 32.8 | 32.8 |
| 42.5° | 54.7 | 47.1 | 42.7 | 38.3 | 35.0 | 32.8 | 31.7 | 30.7 | 29.6 | 29.6 |
| 45° | 50.4 | 43.8 | 38.3 | 35.0 | 32.8 | 30.7 | 28.5 | 27.4 | 27.4 | 27.4 |
| 47.5° | 44.9 | 40.5 | 35.0 | 31.7 | 29.6 | 27.4 | 26.3 | 25.2 | 25.2 | 25.2 |
| 50° | 41.6 | 37.2 | 32.8 | 29.6 | 27.4 | 25.2 | 24.1 | 23.0 | 23.0 | 23.0 |
| 52.5° | 37.2 | 33.9 | 30.7 | 27.4 | 25.2 | 23.0 | 21.9 | 20.8 | 20.8 | 20.8 |
| 55° | 33.9 | 30.7 | 27.4 | 25.2 | 23.0 | 20.8 | 19.7 | 18.6 | 18.6 | 18.6 |
| 57.5° | 30.7 | 27.4 | 25.2 | 23.0 | 20.8 | 19.7 | 17.5 | 17.5 | 16.4 | 16.4 |
| 60° | 27.4 | 24.1 | 21.9 | 20.8 | 18.6 | 17.5 | 15.3 | 14.2 | 14.2 | 14.2 |
| 62.5° | 23.0 | 21.9 | 19.7 | 17.5 | 15.3 | 14.2 | 13.1 | 12.0 | 12.0 | 12.0 |
| 65° | 19.7 | 18.6 | 16.4 | 14.2 | 13.1 | 12.0 | 10.9 | 9.9 | 9.9 | 9.9 |
| 67.5° | 16.4 | 14.2 | 13.1 | 12.0 | 10.9 | 9.9 | 8.8 | 7.7 | 6.6 | 7.7 |
| 70° | 12.0 | 10.9 | 9.9 | 8.8 | 7.7 | 6.6 | 5.5 | 5.5 | 4.4 | 4.4 |
| 72.5° | 7.7 | 6.6 | 6.6 | 5.5 | 4.4 | 4.4 | 3.3 | 3.3 | 2.2 | 2.2 |
| 75° | 4.4 | 4.4 | 3.3 | 3.3 | 2.2 | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 |
| 77.5° | 2.2 | 1.1 | 1.1 | 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)