

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 E3LCWW1H

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: P3ART13R709835DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

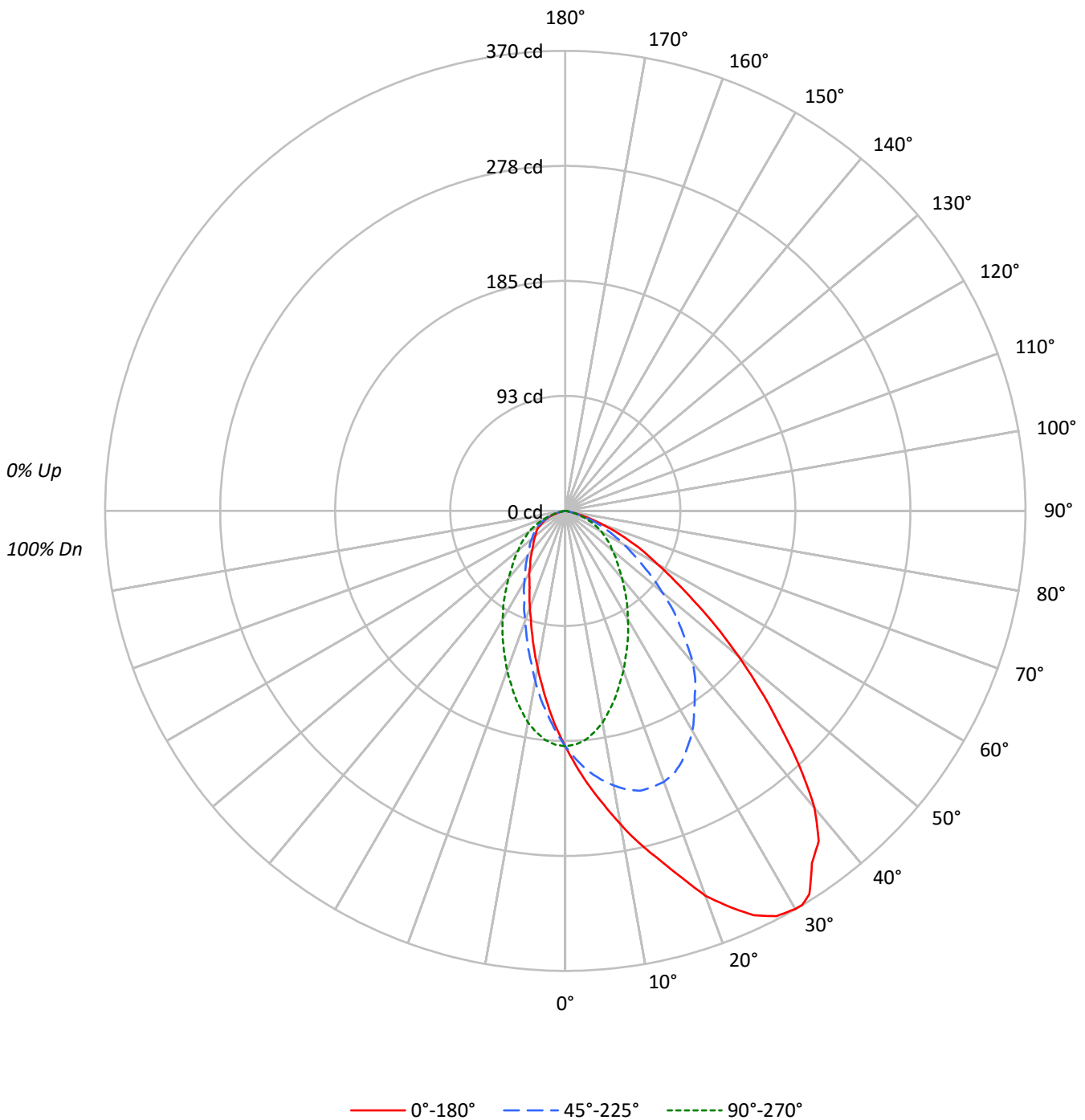
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 385.0 lumens
Efficiency: N/A
Efficacy: 26.6 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): 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 E3LCWW1H

Luminous Intensity Polar Plot





TEST NUMBER: P#
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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 | 0 |
| 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° | 41488 | 41488 | 41488 | 41488 | 41488 |
| 5° | 48888 | 46225 | 40700 | 36121 | 34669 |
| 10° | 57002 | 49921 | 38476 | 30928 | 28501 |
| 15° | 65812 | 52895 | 35256 | 26084 | 23337 |
| 20° | 76843 | 54115 | 31899 | 21959 | 19392 |
| 25° | 86811 | 53737 | 28574 | 18799 | 16404 |
| 30° | 93609 | 51805 | 25472 | 16610 | 14686 |
| 35° | 92541 | 48613 | 22834 | 14937 | 13170 |
| 40° | 89253 | 45714 | 20352 | 13454 | 11908 |
| 45° | 75636 | 40376 | 18327 | 12559 | 11195 |
| 50° | 61951 | 34694 | 16784 | 11940 | 10814 |
| 55° | 48094 | 28864 | 15904 | 11699 | 10857 |
| 60° | 37409 | 23989 | 14867 | 11534 | 10087 |
| 65° | 29523 | 19872 | 13075 | 10792 | 9651 |
| 70° | 20324 | 14746 | 10515 | 9104 | 8399 |
| 75° | 10167 | 8303 | 7456 | 6524 | 5592 |
| 80° | 1389 | 2778 | 4167 | 2778 | 1389 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 75636 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 17.7 | 4.6 |
| 10°-20° | 49.3 | 12.8 |
| 20°-30° | 72.7 | 18.9 |
| 30°-40° | 81.5 | 21.2 |
| 40°-50° | 71.6 | 18.6 |
| 50°-60° | 51.2 | 13.3 |
| 60°-70° | 30.4 | 7.9 |
| 70°-80° | 10.2 | 2.6 |
| 80°-90° | 0.5 | 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° | 139.7 | 36.3 |
| 0°-40° | 221.1 | 57.4 |
| 0°-60° | 344.0 | 89.3 |
| 0°-90° | 385.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 385.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 189 | 189 | 189 | 189 | 189 | |
| 5° | 222 | 210 | 185 | 164 | 158 | 22 |
| 15° | 290 | 233 | 155 | 115 | 103 | 84 |
| 25° | 359 | 222 | 118 | 78 | 68 | 165 |
| 35° | 346 | 182 | 85 | 56 | 49 | 217 |
| 45° | 244 | 130 | 59 | 40 | 36 | 189 |
| 55° | 126 | 76 | 42 | 31 | 28 | 115 |
| 65° | 57 | 38 | 25 | 21 | 19 | 57 |
| 75° | 12 | 10 | 9 | 8 | 7 | 15 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R709835DE010 E3LCWW1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 189.2 | 189.2 | 189.2 | 189.2 | 189.2 | 189.2 | 189.2 | 189.2 | 189.2 | 189.2 | 189.2 |
| 2.5° | 205.7 | 205.7 | 205.7 | 203.5 | 203.5 | 200.2 | 198.0 | 194.7 | 192.5 | 189.2 | 188.1 |
| 5° | 222.1 | 222.1 | 219.9 | 217.7 | 214.4 | 210.0 | 204.6 | 199.1 | 192.5 | 187.1 | 184.9 |
| 7.5° | 238.5 | 239.6 | 236.3 | 231.9 | 225.3 | 217.7 | 210.0 | 201.3 | 191.4 | 183.8 | 179.4 |
| 10° | 256.0 | 256.0 | 251.6 | 245.0 | 235.2 | 224.2 | 212.2 | 200.2 | 188.1 | 177.2 | 172.8 |
| 12.5° | 273.5 | 272.4 | 266.9 | 257.1 | 245.0 | 229.7 | 213.3 | 198.0 | 183.8 | 170.6 | 164.1 |
| 15° | 289.9 | 289.9 | 282.2 | 270.2 | 252.7 | 233.0 | 213.3 | 193.6 | 177.2 | 161.9 | 155.3 |
| 17.5° | 308.5 | 308.5 | 298.6 | 280.0 | 258.2 | 233.0 | 210.0 | 188.1 | 169.6 | 153.1 | 145.5 |
| 20° | 329.3 | 328.2 | 313.9 | 288.8 | 260.3 | 231.9 | 205.7 | 181.6 | 160.8 | 143.3 | 136.7 |
| 22.5° | 344.6 | 343.5 | 327.1 | 296.4 | 261.4 | 228.6 | 198.0 | 172.8 | 152.1 | 134.5 | 126.9 |
| 25° | 358.8 | 356.6 | 338.0 | 299.7 | 259.3 | 222.1 | 190.3 | 163.0 | 143.3 | 125.8 | 118.1 |
| 27.5° | 367.5 | 366.5 | 345.7 | 298.6 | 253.8 | 213.3 | 180.5 | 154.2 | 133.5 | 116.0 | 109.4 |
| 30° | 369.7 | 370.8 | 345.7 | 293.2 | 245.0 | 204.6 | 170.6 | 144.4 | 123.6 | 108.3 | 100.6 |
| 31° | 369.7 | 370.8 | 343.5 | 289.9 | 241.8 | 200.2 | 166.3 | 141.1 | 119.2 | 103.9 | 97.4 |
| 32.5° | 365.4 | 363.2 | 340.2 | 284.4 | 234.1 | 192.5 | 160.8 | 135.6 | 113.8 | 98.5 | 93.0 |
| 35° | 345.7 | 346.8 | 329.3 | 272.4 | 223.2 | 181.6 | 149.9 | 124.7 | 103.9 | 90.8 | 85.3 |
| 37.5° | 334.7 | 334.7 | 303.0 | 256.0 | 211.1 | 171.7 | 136.7 | 112.7 | 95.2 | 83.1 | 77.7 |
| 40° | 311.8 | 308.5 | 278.9 | 238.5 | 196.9 | 159.7 | 129.1 | 105.0 | 87.5 | 75.5 | 71.1 |
| 42.5° | 278.9 | 275.7 | 252.7 | 223.2 | 178.3 | 144.4 | 122.5 | 93.0 | 78.8 | 68.9 | 64.5 |
| 45° | 243.9 | 241.8 | 224.2 | 196.9 | 160.8 | 130.2 | 106.1 | 85.3 | 72.2 | 62.4 | 59.1 |
| 47.5° | 212.2 | 208.9 | 195.8 | 175.0 | 145.5 | 117.0 | 91.9 | 76.6 | 64.5 | 56.9 | 54.7 |
| 50° | 181.6 | 180.5 | 169.6 | 153.1 | 129.1 | 101.7 | 80.9 | 67.8 | 59.1 | 52.5 | 49.2 |
| 52.5° | 153.1 | 151.0 | 145.5 | 132.4 | 112.7 | 88.6 | 71.1 | 60.2 | 52.5 | 48.1 | 45.9 |
| 55° | 125.8 | 125.8 | 120.3 | 111.6 | 96.3 | 75.5 | 62.4 | 53.6 | 47.0 | 43.8 | 41.6 |
| 57.5° | 103.9 | 103.9 | 99.5 | 94.1 | 79.9 | 64.5 | 54.7 | 47.0 | 42.7 | 39.4 | 37.2 |
| 60° | 85.3 | 85.3 | 82.0 | 76.6 | 66.7 | 54.7 | 47.0 | 41.6 | 38.3 | 35.0 | 33.9 |
| 62.5° | 71.1 | 70.0 | 67.8 | 62.4 | 54.7 | 45.9 | 40.5 | 36.1 | 32.8 | 30.6 | 29.5 |
| 65° | 56.9 | 55.8 | 53.6 | 49.2 | 43.8 | 38.3 | 33.9 | 30.6 | 28.4 | 26.3 | 25.2 |
| 67.5° | 43.8 | 43.8 | 41.6 | 38.3 | 33.9 | 30.6 | 27.3 | 25.2 | 23.0 | 21.9 | 20.8 |
| 70° | 31.7 | 31.7 | 30.6 | 28.4 | 25.2 | 23.0 | 20.8 | 19.7 | 18.6 | 17.5 | 16.4 |
| 72.5° | 21.9 | 21.9 | 20.8 | 19.7 | 17.5 | 16.4 | 14.2 | 14.2 | 13.1 | 13.1 | 12.0 |
| 75° | 12.0 | 12.0 | 12.0 | 10.9 | 10.9 | 9.8 | 9.8 | 9.8 | 8.8 | 8.8 | 8.8 |
| 77.5° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 80° | 1.1 | 1.1 | 1.1 | 1.1 | 2.2 | 2.2 | 2.2 | 2.2 | 3.3 | 3.3 | 3.3 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 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 E3LCWW1H

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 189.2 | 189.2 | 189.2 | 189.2 | 189.2 | 189.2 | 189.2 | 189.2 | 189.2 | 189.2 |
| 2.5° | 187.1 | 183.8 | 181.6 | 180.5 | 177.2 | 176.1 | 175.0 | 173.9 | 173.9 | 173.9 |
| 5° | 182.7 | 177.2 | 171.7 | 168.5 | 164.1 | 161.9 | 159.7 | 158.6 | 157.5 | 157.5 |
| 7.5° | 175.0 | 168.5 | 161.9 | 156.4 | 152.1 | 147.7 | 145.5 | 143.3 | 143.3 | 142.2 |
| 10° | 167.4 | 158.6 | 151.0 | 143.3 | 138.9 | 133.5 | 131.3 | 129.1 | 128.0 | 128.0 |
| 12.5° | 158.6 | 147.7 | 138.9 | 132.4 | 125.8 | 121.4 | 118.1 | 116.0 | 114.9 | 114.9 |
| 15° | 148.8 | 137.8 | 128.0 | 121.4 | 114.9 | 109.4 | 106.1 | 103.9 | 102.8 | 102.8 |
| 17.5° | 138.9 | 128.0 | 117.0 | 110.5 | 103.9 | 98.5 | 96.3 | 94.1 | 93.0 | 91.9 |
| 20° | 130.2 | 117.0 | 108.3 | 99.5 | 94.1 | 89.7 | 86.4 | 84.2 | 83.1 | 83.1 |
| 22.5° | 120.3 | 108.3 | 98.5 | 91.9 | 86.4 | 82.0 | 77.7 | 76.6 | 75.5 | 75.5 |
| 25° | 110.5 | 99.5 | 90.8 | 84.2 | 77.7 | 74.4 | 71.1 | 68.9 | 68.9 | 67.8 |
| 27.5° | 102.8 | 91.9 | 83.1 | 76.6 | 72.2 | 67.8 | 65.6 | 63.4 | 62.4 | 62.4 |
| 30° | 94.1 | 84.2 | 76.6 | 71.1 | 65.6 | 62.4 | 60.2 | 58.0 | 58.0 | 58.0 |
| 31° | 91.9 | 82.0 | 74.4 | 67.8 | 63.4 | 60.2 | 58.0 | 56.9 | 55.8 | 55.8 |
| 32.5° | 86.4 | 77.7 | 70.0 | 64.5 | 60.2 | 56.9 | 54.7 | 53.6 | 53.6 | 52.5 |
| 35° | 79.9 | 71.1 | 64.5 | 59.1 | 55.8 | 52.5 | 50.3 | 49.2 | 49.2 | 49.2 |
| 37.5° | 73.3 | 65.6 | 59.1 | 54.7 | 51.4 | 48.1 | 47.0 | 44.8 | 44.8 | 44.8 |
| 40° | 66.7 | 60.2 | 54.7 | 50.3 | 47.0 | 44.8 | 43.8 | 42.7 | 41.6 | 41.6 |
| 42.5° | 61.3 | 54.7 | 50.3 | 47.0 | 43.8 | 41.6 | 40.5 | 39.4 | 39.4 | 38.3 |
| 45° | 55.8 | 50.3 | 47.0 | 43.8 | 40.5 | 39.4 | 38.3 | 37.2 | 36.1 | 36.1 |
| 47.5° | 51.4 | 47.0 | 42.7 | 40.5 | 38.3 | 36.1 | 35.0 | 35.0 | 33.9 | 33.9 |
| 50° | 47.0 | 42.7 | 39.4 | 37.2 | 35.0 | 33.9 | 32.8 | 32.8 | 31.7 | 31.7 |
| 52.5° | 43.8 | 39.4 | 37.2 | 35.0 | 32.8 | 31.7 | 30.6 | 30.6 | 29.5 | 29.5 |
| 55° | 39.4 | 36.1 | 33.9 | 32.8 | 30.6 | 29.5 | 28.4 | 27.3 | 27.3 | 28.4 |
| 57.5° | 36.1 | 33.9 | 31.7 | 30.6 | 28.4 | 27.3 | 26.3 | 26.3 | 25.2 | 26.3 |
| 60° | 32.8 | 30.6 | 28.4 | 27.3 | 26.3 | 25.2 | 24.1 | 23.0 | 23.0 | 23.0 |
| 62.5° | 29.5 | 27.3 | 26.3 | 24.1 | 23.0 | 23.0 | 21.9 | 21.9 | 21.9 | 20.8 |
| 65° | 25.2 | 24.1 | 23.0 | 21.9 | 20.8 | 19.7 | 19.7 | 18.6 | 18.6 | 18.6 |
| 67.5° | 20.8 | 19.7 | 18.6 | 18.6 | 17.5 | 16.4 | 16.4 | 16.4 | 16.4 | 15.3 |
| 70° | 16.4 | 15.3 | 15.3 | 14.2 | 14.2 | 14.2 | 13.1 | 13.1 | 13.1 | 13.1 |
| 72.5° | 12.0 | 12.0 | 10.9 | 10.9 | 10.9 | 10.9 | 9.8 | 9.8 | 9.8 | 9.8 |
| 75° | 8.8 | 8.8 | 8.8 | 7.7 | 7.7 | 7.7 | 6.6 | 6.6 | 6.6 | 6.6 |
| 77.5° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| 80° | 3.3 | 3.3 | 3.3 | 3.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.1 |
| 82.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 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)