

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: P1446034

Luminaire Tested: P3ART09R709035DE010 E3LCWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446034
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: P3ART09R709035DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

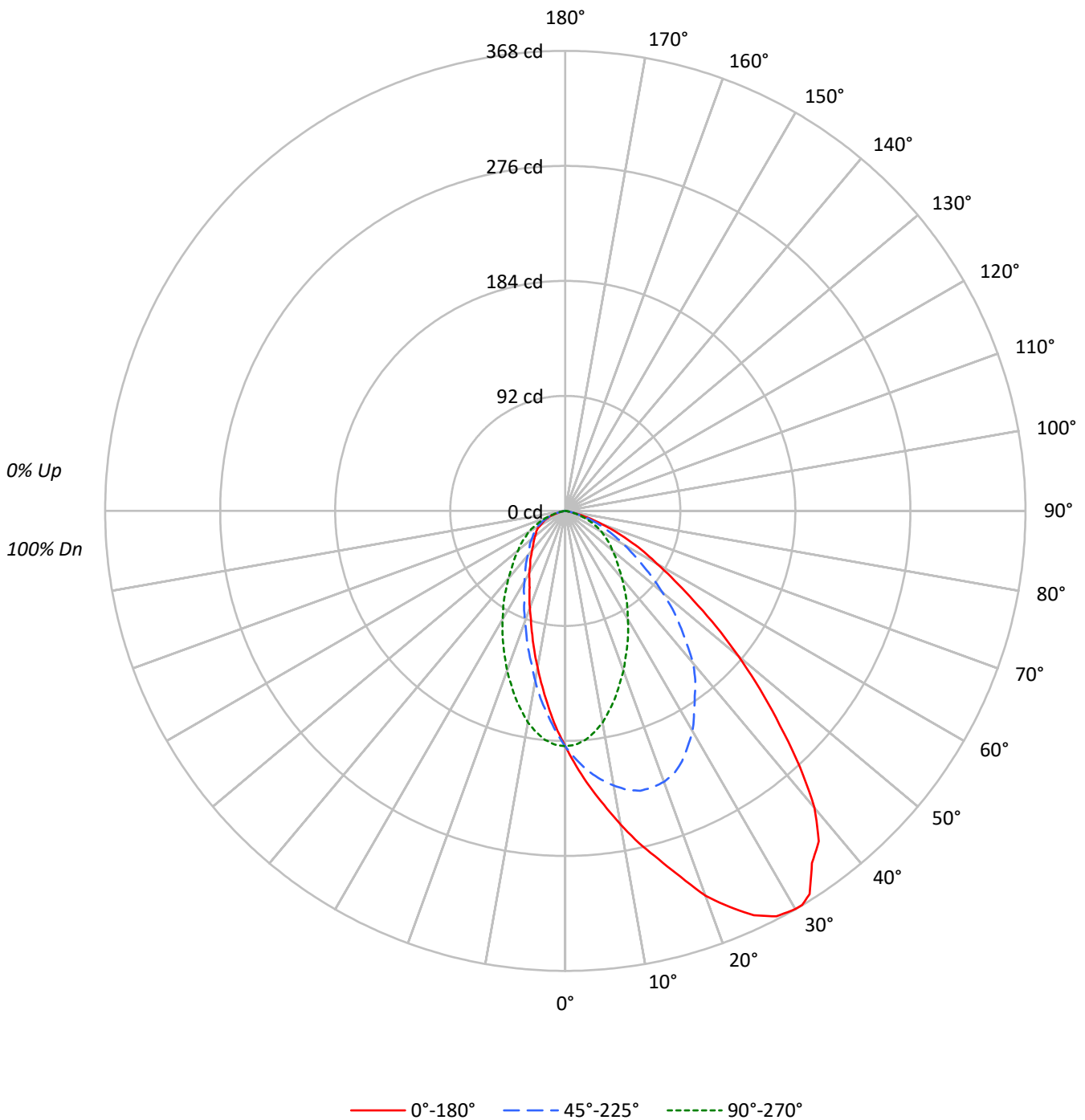
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 383.0 lumens
Efficiency: N/A
Efficacy: 34.5 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): 11.1
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: P1446034
CATALOG NUMBER: P3ART09R709035DE010 E3LCWW1H

Luminous Intensity Polar Plot





TEST NUMBER: P1446034

CATALOG NUMBER: P3ART09R709035DE010 E3LCWW1H

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° | 41291 | 41291 | 41291 | 41291 | 41291 |
| 5° | 48624 | 45983 | 40480 | 35923 | 34493 |
| 10° | 56690 | 49676 | 38276 | 30772 | 28345 |
| 15° | 65471 | 52622 | 35074 | 25948 | 23224 |
| 20° | 76447 | 53835 | 31736 | 21842 | 19298 |
| 25° | 86352 | 53447 | 28429 | 18703 | 16332 |
| 30° | 93128 | 51527 | 25346 | 16534 | 14610 |
| 35° | 92059 | 48345 | 22727 | 14857 | 13117 |
| 40° | 88766 | 45485 | 20238 | 13397 | 11851 |
| 45° | 75264 | 40159 | 18234 | 12497 | 11133 |
| 50° | 61610 | 34523 | 16716 | 11872 | 10780 |
| 55° | 47826 | 28711 | 15827 | 11660 | 10819 |
| 60° | 37234 | 23858 | 14780 | 11446 | 10043 |
| 65° | 29368 | 19769 | 12972 | 10740 | 9599 |
| 70° | 20260 | 14682 | 10450 | 9040 | 8399 |
| 75° | 10167 | 8303 | 7371 | 6439 | 5507 |
| 80° | 1389 | 2778 | 4167 | 2778 | 1389 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 75264 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 17.6 | 4.6 |
| 10°-20° | 49.0 | 12.8 |
| 20°-30° | 72.3 | 18.9 |
| 30°-40° | 81.0 | 21.2 |
| 40°-50° | 71.2 | 18.6 |
| 50°-60° | 51.0 | 13.3 |
| 60°-70° | 30.2 | 7.9 |
| 70°-80° | 10.1 | 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° | 138.9 | 36.3 |
| 0°-40° | 220.0 | 57.4 |
| 0°-60° | 342.2 | 89.3 |
| 0°-90° | 383.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 383.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 188 | 188 | 188 | 188 | 188 | |
| 5° | 221 | 209 | 184 | 163 | 157 | 22 |
| 15° | 288 | 232 | 154 | 114 | 102 | 83 |
| 25° | 357 | 221 | 118 | 77 | 68 | 164 |
| 35° | 344 | 181 | 85 | 56 | 49 | 216 |
| 45° | 243 | 130 | 59 | 40 | 36 | 188 |
| 55° | 125 | 75 | 41 | 30 | 28 | 114 |
| 65° | 57 | 38 | 25 | 21 | 18 | 56 |
| 75° | 12 | 10 | 9 | 8 | 6 | 15 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446034
 CATALOG NUMBER: P3ART09R709035DE010 E3LCWW1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 188.3 | 188.3 | 188.3 | 188.3 | 188.3 | 188.3 | 188.3 | 188.3 | 188.3 | 188.3 | 188.3 |
| 2.5° | 204.6 | 204.6 | 204.6 | 202.4 | 202.4 | 199.1 | 197.0 | 193.7 | 191.5 | 188.3 | 187.2 |
| 5° | 220.9 | 220.9 | 218.7 | 216.6 | 213.3 | 208.9 | 203.5 | 198.1 | 191.5 | 186.1 | 183.9 |
| 7.5° | 237.2 | 238.3 | 235.1 | 230.7 | 224.2 | 216.6 | 208.9 | 200.2 | 190.4 | 182.8 | 178.5 |
| 10° | 254.6 | 254.6 | 250.3 | 243.8 | 234.0 | 223.1 | 211.1 | 199.1 | 187.2 | 176.3 | 171.9 |
| 12.5° | 272.1 | 271.0 | 265.5 | 255.7 | 243.8 | 228.5 | 212.2 | 197.0 | 182.8 | 169.8 | 163.2 |
| 15° | 288.4 | 288.4 | 280.8 | 268.8 | 251.4 | 231.8 | 212.2 | 192.6 | 176.3 | 161.1 | 154.5 |
| 17.5° | 306.9 | 306.9 | 297.1 | 278.6 | 256.8 | 231.8 | 208.9 | 187.2 | 168.7 | 152.3 | 144.7 |
| 20° | 327.6 | 326.5 | 312.3 | 287.3 | 259.0 | 230.7 | 204.6 | 180.6 | 160.0 | 142.6 | 136.0 |
| 22.5° | 342.8 | 341.7 | 325.4 | 294.9 | 260.1 | 227.4 | 197.0 | 171.9 | 151.3 | 133.8 | 126.2 |
| 25° | 356.9 | 354.8 | 336.3 | 298.2 | 257.9 | 220.9 | 189.3 | 162.1 | 142.6 | 125.1 | 117.5 |
| 27.5° | 365.6 | 364.6 | 343.9 | 297.1 | 252.5 | 212.2 | 179.6 | 153.4 | 132.8 | 115.4 | 108.8 |
| 30° | 367.8 | 368.9 | 343.9 | 291.6 | 243.8 | 203.5 | 169.8 | 143.6 | 123.0 | 107.7 | 100.1 |
| 31° | 367.8 | 368.9 | 341.7 | 288.4 | 240.5 | 199.1 | 165.4 | 140.4 | 118.6 | 103.4 | 96.9 |
| 32.5° | 363.5 | 361.3 | 338.4 | 282.9 | 232.9 | 191.5 | 160.0 | 134.9 | 113.2 | 97.9 | 92.5 |
| 35° | 343.9 | 345.0 | 327.6 | 271.0 | 222.0 | 180.6 | 149.1 | 124.1 | 103.4 | 90.3 | 84.9 |
| 37.5° | 333.0 | 333.0 | 301.4 | 254.6 | 210.0 | 170.8 | 136.0 | 112.1 | 94.7 | 82.7 | 77.3 |
| 40° | 310.1 | 306.9 | 277.5 | 237.2 | 195.9 | 158.9 | 128.4 | 104.5 | 87.1 | 75.1 | 70.7 |
| 42.5° | 277.5 | 274.2 | 251.4 | 222.0 | 177.4 | 143.6 | 121.9 | 92.5 | 78.4 | 68.6 | 64.2 |
| 45° | 242.7 | 240.5 | 223.1 | 195.9 | 160.0 | 129.5 | 105.6 | 84.9 | 71.8 | 62.0 | 58.8 |
| 47.5° | 211.1 | 207.8 | 194.8 | 174.1 | 144.7 | 116.4 | 91.4 | 76.2 | 64.2 | 56.6 | 54.4 |
| 50° | 180.6 | 179.6 | 168.7 | 152.3 | 128.4 | 101.2 | 80.5 | 67.5 | 58.8 | 52.2 | 49.0 |
| 52.5° | 152.3 | 150.2 | 144.7 | 131.7 | 112.1 | 88.1 | 70.7 | 59.9 | 52.2 | 47.9 | 45.7 |
| 55° | 125.1 | 125.1 | 119.7 | 111.0 | 95.8 | 75.1 | 62.0 | 53.3 | 46.8 | 43.5 | 41.4 |
| 57.5° | 103.4 | 103.4 | 99.0 | 93.6 | 79.4 | 64.2 | 54.4 | 46.8 | 42.4 | 39.2 | 37.0 |
| 60° | 84.9 | 84.9 | 81.6 | 76.2 | 66.4 | 54.4 | 46.8 | 41.4 | 38.1 | 34.8 | 33.7 |
| 62.5° | 70.7 | 69.6 | 67.5 | 62.0 | 54.4 | 45.7 | 40.3 | 35.9 | 32.6 | 30.5 | 29.4 |
| 65° | 56.6 | 55.5 | 53.3 | 49.0 | 43.5 | 38.1 | 33.7 | 30.5 | 28.3 | 26.1 | 25.0 |
| 67.5° | 43.5 | 43.5 | 41.4 | 38.1 | 33.7 | 30.5 | 27.2 | 25.0 | 22.9 | 21.8 | 20.7 |
| 70° | 31.6 | 31.6 | 30.5 | 28.3 | 25.0 | 22.9 | 20.7 | 19.6 | 18.5 | 17.4 | 16.3 |
| 72.5° | 21.8 | 21.8 | 20.7 | 19.6 | 17.4 | 16.3 | 14.1 | 14.1 | 13.1 | 13.1 | 12.0 |
| 75° | 12.0 | 12.0 | 12.0 | 10.9 | 10.9 | 9.8 | 9.8 | 9.8 | 8.7 | 8.7 | 8.7 |
| 77.5° | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 |
| 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: P1446034
 CATALOG NUMBER: P3ART09R709035DE010 E3LCWW1H

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 188.3 | 188.3 | 188.3 | 188.3 | 188.3 | 188.3 | 188.3 | 188.3 | 188.3 | 188.3 |
| 2.5° | 186.1 | 182.8 | 180.6 | 179.6 | 176.3 | 175.2 | 174.1 | 173.0 | 173.0 | 173.0 |
| 5° | 181.7 | 176.3 | 170.8 | 167.6 | 163.2 | 161.1 | 158.9 | 157.8 | 156.7 | 156.7 |
| 7.5° | 174.1 | 167.6 | 161.1 | 155.6 | 151.3 | 146.9 | 144.7 | 142.6 | 142.6 | 141.5 |
| 10° | 166.5 | 157.8 | 150.2 | 142.6 | 138.2 | 132.8 | 130.6 | 128.4 | 127.3 | 127.3 |
| 12.5° | 157.8 | 146.9 | 138.2 | 131.7 | 125.1 | 120.8 | 117.5 | 115.4 | 114.3 | 114.3 |
| 15° | 148.0 | 137.1 | 127.3 | 120.8 | 114.3 | 108.8 | 105.6 | 103.4 | 102.3 | 102.3 |
| 17.5° | 138.2 | 127.3 | 116.4 | 109.9 | 103.4 | 97.9 | 95.8 | 93.6 | 92.5 | 91.4 |
| 20° | 129.5 | 116.4 | 107.7 | 99.0 | 93.6 | 89.2 | 86.0 | 83.8 | 82.7 | 82.7 |
| 22.5° | 119.7 | 107.7 | 97.9 | 91.4 | 86.0 | 81.6 | 77.3 | 76.2 | 75.1 | 75.1 |
| 25° | 109.9 | 99.0 | 90.3 | 83.8 | 77.3 | 74.0 | 70.7 | 68.6 | 68.6 | 67.5 |
| 27.5° | 102.3 | 91.4 | 82.7 | 76.2 | 71.8 | 67.5 | 65.3 | 63.1 | 62.0 | 62.0 |
| 30° | 93.6 | 83.8 | 76.2 | 70.7 | 65.3 | 62.0 | 59.9 | 57.7 | 57.7 | 57.7 |
| 31° | 91.4 | 81.6 | 74.0 | 67.5 | 63.1 | 59.9 | 57.7 | 56.6 | 55.5 | 55.5 |
| 32.5° | 86.0 | 77.3 | 69.6 | 64.2 | 59.9 | 56.6 | 54.4 | 53.3 | 53.3 | 52.2 |
| 35° | 79.4 | 70.7 | 64.2 | 58.8 | 55.5 | 52.2 | 50.1 | 49.0 | 49.0 | 49.0 |
| 37.5° | 72.9 | 65.3 | 58.8 | 54.4 | 51.1 | 47.9 | 46.8 | 44.6 | 44.6 | 44.6 |
| 40° | 66.4 | 59.9 | 54.4 | 50.1 | 46.8 | 44.6 | 43.5 | 42.4 | 41.4 | 41.4 |
| 42.5° | 60.9 | 54.4 | 50.1 | 46.8 | 43.5 | 41.4 | 40.3 | 39.2 | 39.2 | 38.1 |
| 45° | 55.5 | 50.1 | 46.8 | 43.5 | 40.3 | 39.2 | 38.1 | 37.0 | 35.9 | 35.9 |
| 47.5° | 51.1 | 46.8 | 42.4 | 40.3 | 38.1 | 35.9 | 34.8 | 34.8 | 33.7 | 33.7 |
| 50° | 46.8 | 42.4 | 39.2 | 37.0 | 34.8 | 33.7 | 32.6 | 32.6 | 31.6 | 31.6 |
| 52.5° | 43.5 | 39.2 | 37.0 | 34.8 | 32.6 | 31.6 | 30.5 | 30.5 | 29.4 | 29.4 |
| 55° | 39.2 | 35.9 | 33.7 | 32.6 | 30.5 | 29.4 | 28.3 | 27.2 | 27.2 | 28.3 |
| 57.5° | 35.9 | 33.7 | 31.6 | 30.5 | 28.3 | 27.2 | 26.1 | 26.1 | 25.0 | 26.1 |
| 60° | 32.6 | 30.5 | 28.3 | 27.2 | 26.1 | 25.0 | 23.9 | 22.9 | 22.9 | 22.9 |
| 62.5° | 29.4 | 27.2 | 26.1 | 23.9 | 22.9 | 22.9 | 21.8 | 21.8 | 21.8 | 20.7 |
| 65° | 25.0 | 23.9 | 22.9 | 21.8 | 20.7 | 19.6 | 19.6 | 18.5 | 18.5 | 18.5 |
| 67.5° | 20.7 | 19.6 | 18.5 | 18.5 | 17.4 | 16.3 | 16.3 | 16.3 | 16.3 | 15.2 |
| 70° | 16.3 | 15.2 | 15.2 | 14.1 | 14.1 | 14.1 | 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° | 8.7 | 8.7 | 8.7 | 7.6 | 7.6 | 7.6 | 6.5 | 6.5 | 6.5 | 6.5 |
| 77.5° | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 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)