

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: P1445644

Luminaire Tested: P3ART09R709024DE010 E3LCWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445644
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: P3ART09R709024DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

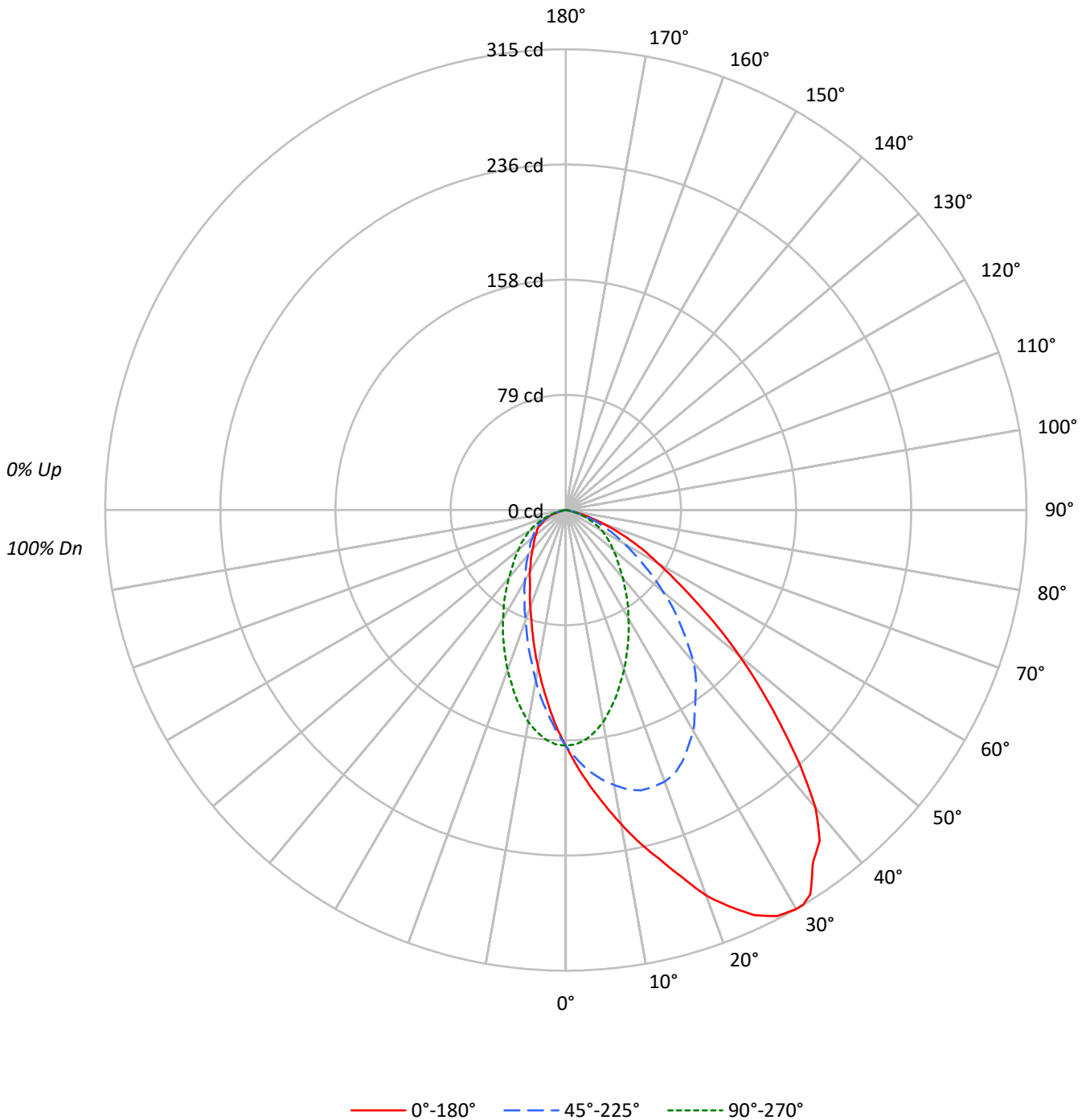
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 328.0 lumens
Efficiency: N/A
Efficacy: 29.6 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): 11.1
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: P1445644
CATALOG NUMBER: P3ART09R709024DE010 E3LCWW1H

Luminous Intensity Polar Plot





TEST NUMBER: P1445644

CATALOG NUMBER: P3ART09R709024DE010 E3LCWW1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | |
| RW | 70 | 50 | 30 | 10 | 70 | 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° | 35348 | 35348 | 35348 | 35348 | 35348 |
| 5° | 41646 | 39379 | 34669 | 30773 | 29540 |
| 10° | 48563 | 42529 | 32776 | 26363 | 24270 |
| 15° | 56073 | 45063 | 30034 | 22225 | 19887 |
| 20° | 65456 | 46111 | 27186 | 18692 | 16521 |
| 25° | 73964 | 45777 | 24340 | 16017 | 13985 |
| 30° | 79759 | 44133 | 21700 | 14154 | 12508 |
| 35° | 78835 | 41412 | 19461 | 12715 | 11216 |
| 40° | 76028 | 38959 | 17347 | 11479 | 10133 |
| 45° | 64441 | 34391 | 15599 | 10699 | 9551 |
| 50° | 52774 | 29577 | 14294 | 10166 | 9211 |
| 55° | 40983 | 24582 | 13534 | 9978 | 9252 |
| 60° | 31883 | 20437 | 12674 | 9824 | 8596 |
| 65° | 25165 | 16915 | 11104 | 9184 | 8198 |
| 70° | 17311 | 12566 | 8976 | 7758 | 7181 |
| 75° | 8727 | 7117 | 6354 | 5507 | 4745 |
| 80° | 1137 | 2399 | 3536 | 2399 | 1137 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 64441 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 15.1 | 4.6 |
| 10°-20° | 42.0 | 12.8 |
| 20°-30° | 61.9 | 18.9 |
| 30°-40° | 69.4 | 21.2 |
| 40°-50° | 61.0 | 18.6 |
| 50°-60° | 43.7 | 13.3 |
| 60°-70° | 25.9 | 7.9 |
| 70°-80° | 8.7 | 2.6 |
| 80°-90° | 0.4 | 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° | 119.0 | 36.3 |
| 0°-40° | 188.4 | 57.4 |
| 0°-60° | 293.1 | 89.3 |
| 0°-90° | 328.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 328.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 161 | 161 | 161 | 161 | 161 | |
| 5° | 189 | 179 | 158 | 140 | 134 | 19 |
| 15° | 247 | 198 | 132 | 98 | 88 | 71 |
| 25° | 306 | 189 | 101 | 66 | 58 | 141 |
| 35° | 294 | 155 | 73 | 48 | 42 | 185 |
| 45° | 208 | 111 | 50 | 34 | 31 | 161 |
| 55° | 107 | 64 | 35 | 26 | 24 | 98 |
| 65° | 48 | 33 | 21 | 18 | 16 | 48 |
| 75° | 10 | 8 | 8 | 6 | 6 | 12 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1445644
 CATALOG NUMBER: P3ART09R709024DE010 E3LCWW1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 161.2 | 161.2 | 161.2 | 161.2 | 161.2 | 161.2 | 161.2 | 161.2 | 161.2 | 161.2 | 161.2 |
| 2.5° | 175.2 | 175.2 | 175.2 | 173.3 | 173.3 | 170.5 | 168.7 | 165.9 | 164.0 | 161.2 | 160.3 |
| 5° | 189.2 | 189.2 | 187.3 | 185.5 | 182.7 | 178.9 | 174.3 | 169.6 | 164.0 | 159.4 | 157.5 |
| 7.5° | 203.2 | 204.1 | 201.3 | 197.6 | 192.0 | 185.5 | 178.9 | 171.5 | 163.1 | 156.6 | 152.8 |
| 10° | 218.1 | 218.1 | 214.3 | 208.8 | 200.4 | 191.0 | 180.8 | 170.5 | 160.3 | 151.0 | 147.2 |
| 12.5° | 233.0 | 232.1 | 227.4 | 219.0 | 208.8 | 195.7 | 181.7 | 168.7 | 156.6 | 145.4 | 139.8 |
| 15° | 247.0 | 247.0 | 240.4 | 230.2 | 215.3 | 198.5 | 181.7 | 165.0 | 151.0 | 137.9 | 132.3 |
| 17.5° | 262.8 | 262.8 | 254.4 | 238.6 | 219.9 | 198.5 | 178.9 | 160.3 | 144.5 | 130.5 | 123.9 |
| 20° | 280.5 | 279.6 | 267.5 | 246.0 | 221.8 | 197.6 | 175.2 | 154.7 | 137.0 | 122.1 | 116.5 |
| 22.5° | 293.6 | 292.6 | 278.7 | 252.6 | 222.7 | 194.8 | 168.7 | 147.2 | 129.5 | 114.6 | 108.1 |
| 25° | 305.7 | 303.8 | 288.0 | 255.4 | 220.9 | 189.2 | 162.2 | 138.9 | 122.1 | 107.2 | 100.6 |
| 27.5° | 313.1 | 312.2 | 294.5 | 254.4 | 216.2 | 181.7 | 153.8 | 131.4 | 113.7 | 98.8 | 93.2 |
| 30° | 315.0 | 315.9 | 294.5 | 249.8 | 208.8 | 174.3 | 145.4 | 123.0 | 105.3 | 92.3 | 85.7 |
| 31° | 315.0 | 315.9 | 292.6 | 247.0 | 206.0 | 170.5 | 141.7 | 120.2 | 101.6 | 88.5 | 82.9 |
| 32.5° | 311.3 | 309.4 | 289.8 | 242.3 | 199.4 | 164.0 | 137.0 | 115.6 | 96.9 | 83.9 | 79.2 |
| 35° | 294.5 | 295.4 | 280.5 | 232.1 | 190.1 | 154.7 | 127.7 | 106.2 | 88.5 | 77.4 | 72.7 |
| 37.5° | 285.2 | 285.2 | 258.1 | 218.1 | 179.9 | 146.3 | 116.5 | 96.0 | 81.1 | 70.8 | 66.2 |
| 40° | 265.6 | 262.8 | 237.6 | 203.2 | 167.7 | 136.1 | 110.0 | 89.5 | 74.6 | 64.3 | 60.6 |
| 42.5° | 237.6 | 234.8 | 215.3 | 190.1 | 151.9 | 123.0 | 104.4 | 79.2 | 67.1 | 58.7 | 55.0 |
| 45° | 207.8 | 206.0 | 191.0 | 167.7 | 137.0 | 110.9 | 90.4 | 72.7 | 61.5 | 53.1 | 50.3 |
| 47.5° | 180.8 | 178.0 | 166.8 | 149.1 | 123.9 | 99.7 | 78.3 | 65.2 | 55.0 | 48.5 | 46.6 |
| 50° | 154.7 | 153.8 | 144.5 | 130.5 | 110.0 | 86.7 | 69.0 | 57.8 | 50.3 | 44.7 | 41.9 |
| 52.5° | 130.5 | 128.6 | 123.9 | 112.8 | 96.0 | 75.5 | 60.6 | 51.3 | 44.7 | 41.0 | 39.1 |
| 55° | 107.2 | 107.2 | 102.5 | 95.1 | 82.0 | 64.3 | 53.1 | 45.7 | 40.1 | 37.3 | 35.4 |
| 57.5° | 88.5 | 88.5 | 84.8 | 80.1 | 68.0 | 55.0 | 46.6 | 40.1 | 36.3 | 33.5 | 31.7 |
| 60° | 72.7 | 72.7 | 69.9 | 65.2 | 56.8 | 46.6 | 40.1 | 35.4 | 32.6 | 29.8 | 28.9 |
| 62.5° | 60.6 | 59.6 | 57.8 | 53.1 | 46.6 | 39.1 | 34.5 | 30.8 | 28.0 | 26.1 | 25.2 |
| 65° | 48.5 | 47.5 | 45.7 | 41.9 | 37.3 | 32.6 | 28.9 | 26.1 | 24.2 | 22.4 | 21.4 |
| 67.5° | 37.3 | 37.3 | 35.4 | 32.6 | 28.9 | 26.1 | 23.3 | 21.4 | 19.6 | 18.6 | 17.7 |
| 70° | 27.0 | 27.0 | 26.1 | 24.2 | 21.4 | 19.6 | 17.7 | 16.8 | 15.8 | 14.9 | 14.0 |
| 72.5° | 18.6 | 18.6 | 17.7 | 16.8 | 14.9 | 14.0 | 12.1 | 12.1 | 11.2 | 11.2 | 10.3 |
| 75° | 10.3 | 10.3 | 10.3 | 9.3 | 9.3 | 8.4 | 8.4 | 8.4 | 7.5 | 7.5 | 7.5 |
| 77.5° | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| 80° | 0.9 | 0.9 | 0.9 | 0.9 | 1.9 | 1.9 | 1.9 | 1.9 | 2.8 | 2.8 | 2.8 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 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 |



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 CATALOG NUMBER: P3ART09R709024DE010 E3LCWW1H

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 161.2 | 161.2 | 161.2 | 161.2 | 161.2 | 161.2 | 161.2 | 161.2 | 161.2 | 161.2 |
| 2.5° | 159.4 | 156.6 | 154.7 | 153.8 | 151.0 | 150.0 | 149.1 | 148.2 | 148.2 | 148.2 |
| 5° | 155.6 | 151.0 | 146.3 | 143.5 | 139.8 | 137.9 | 136.1 | 135.1 | 134.2 | 134.2 |
| 7.5° | 149.1 | 143.5 | 137.9 | 133.3 | 129.5 | 125.8 | 123.9 | 122.1 | 122.1 | 121.2 |
| 10° | 142.6 | 135.1 | 128.6 | 122.1 | 118.4 | 113.7 | 111.8 | 110.0 | 109.0 | 109.0 |
| 12.5° | 135.1 | 125.8 | 118.4 | 112.8 | 107.2 | 103.4 | 100.6 | 98.8 | 97.9 | 97.9 |
| 15° | 126.7 | 117.4 | 109.0 | 103.4 | 97.9 | 93.2 | 90.4 | 88.5 | 87.6 | 87.6 |
| 17.5° | 118.4 | 109.0 | 99.7 | 94.1 | 88.5 | 83.9 | 82.0 | 80.1 | 79.2 | 78.3 |
| 20° | 110.9 | 99.7 | 92.3 | 84.8 | 80.1 | 76.4 | 73.6 | 71.8 | 70.8 | 70.8 |
| 22.5° | 102.5 | 92.3 | 83.9 | 78.3 | 73.6 | 69.9 | 66.2 | 65.2 | 64.3 | 64.3 |
| 25° | 94.1 | 84.8 | 77.4 | 71.8 | 66.2 | 63.4 | 60.6 | 58.7 | 58.7 | 57.8 |
| 27.5° | 87.6 | 78.3 | 70.8 | 65.2 | 61.5 | 57.8 | 55.9 | 54.1 | 53.1 | 53.1 |
| 30° | 80.1 | 71.8 | 65.2 | 60.6 | 55.9 | 53.1 | 51.3 | 49.4 | 49.4 | 49.4 |
| 31° | 78.3 | 69.9 | 63.4 | 57.8 | 54.1 | 51.3 | 49.4 | 48.5 | 47.5 | 47.5 |
| 32.5° | 73.6 | 66.2 | 59.6 | 55.0 | 51.3 | 48.5 | 46.6 | 45.7 | 45.7 | 44.7 |
| 35° | 68.0 | 60.6 | 55.0 | 50.3 | 47.5 | 44.7 | 42.9 | 41.9 | 41.9 | 41.9 |
| 37.5° | 62.4 | 55.9 | 50.3 | 46.6 | 43.8 | 41.0 | 40.1 | 38.2 | 38.2 | 38.2 |
| 40° | 56.8 | 51.3 | 46.6 | 42.9 | 40.1 | 38.2 | 37.3 | 36.3 | 35.4 | 35.4 |
| 42.5° | 52.2 | 46.6 | 42.9 | 40.1 | 37.3 | 35.4 | 34.5 | 33.5 | 33.5 | 32.6 |
| 45° | 47.5 | 42.9 | 40.1 | 37.3 | 34.5 | 33.5 | 32.6 | 31.7 | 30.8 | 30.8 |
| 47.5° | 43.8 | 40.1 | 36.3 | 34.5 | 32.6 | 30.8 | 29.8 | 29.8 | 28.9 | 28.9 |
| 50° | 40.1 | 36.3 | 33.5 | 31.7 | 29.8 | 28.9 | 28.0 | 28.0 | 27.0 | 27.0 |
| 52.5° | 37.3 | 33.5 | 31.7 | 29.8 | 28.0 | 27.0 | 26.1 | 26.1 | 25.2 | 25.2 |
| 55° | 33.5 | 30.8 | 28.9 | 28.0 | 26.1 | 25.2 | 24.2 | 23.3 | 23.3 | 24.2 |
| 57.5° | 30.8 | 28.9 | 27.0 | 26.1 | 24.2 | 23.3 | 22.4 | 22.4 | 21.4 | 22.4 |
| 60° | 28.0 | 26.1 | 24.2 | 23.3 | 22.4 | 21.4 | 20.5 | 19.6 | 19.6 | 19.6 |
| 62.5° | 25.2 | 23.3 | 22.4 | 20.5 | 19.6 | 19.6 | 18.6 | 18.6 | 18.6 | 17.7 |
| 65° | 21.4 | 20.5 | 19.6 | 18.6 | 17.7 | 16.8 | 16.8 | 15.8 | 15.8 | 15.8 |
| 67.5° | 17.7 | 16.8 | 15.8 | 15.8 | 14.9 | 14.0 | 14.0 | 14.0 | 14.0 | 13.0 |
| 70° | 14.0 | 13.0 | 13.0 | 12.1 | 12.1 | 12.1 | 11.2 | 11.2 | 11.2 | 11.2 |
| 72.5° | 10.3 | 10.3 | 9.3 | 9.3 | 9.3 | 9.3 | 8.4 | 8.4 | 8.4 | 8.4 |
| 75° | 7.5 | 7.5 | 7.5 | 6.5 | 6.5 | 6.5 | 5.6 | 5.6 | 5.6 | 5.6 |
| 77.5° | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 80° | 2.8 | 2.8 | 2.8 | 2.8 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 0.9 |
| 82.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 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)