

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: P1446425

Luminaire Tested: P3ART09R709727DE010 E3LCWW1LI

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446425
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: P3ART09R709727DE010 E3LCWW1LI
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3LCWW1LI TRIM
Light Source: -
Ballast/Driver: -

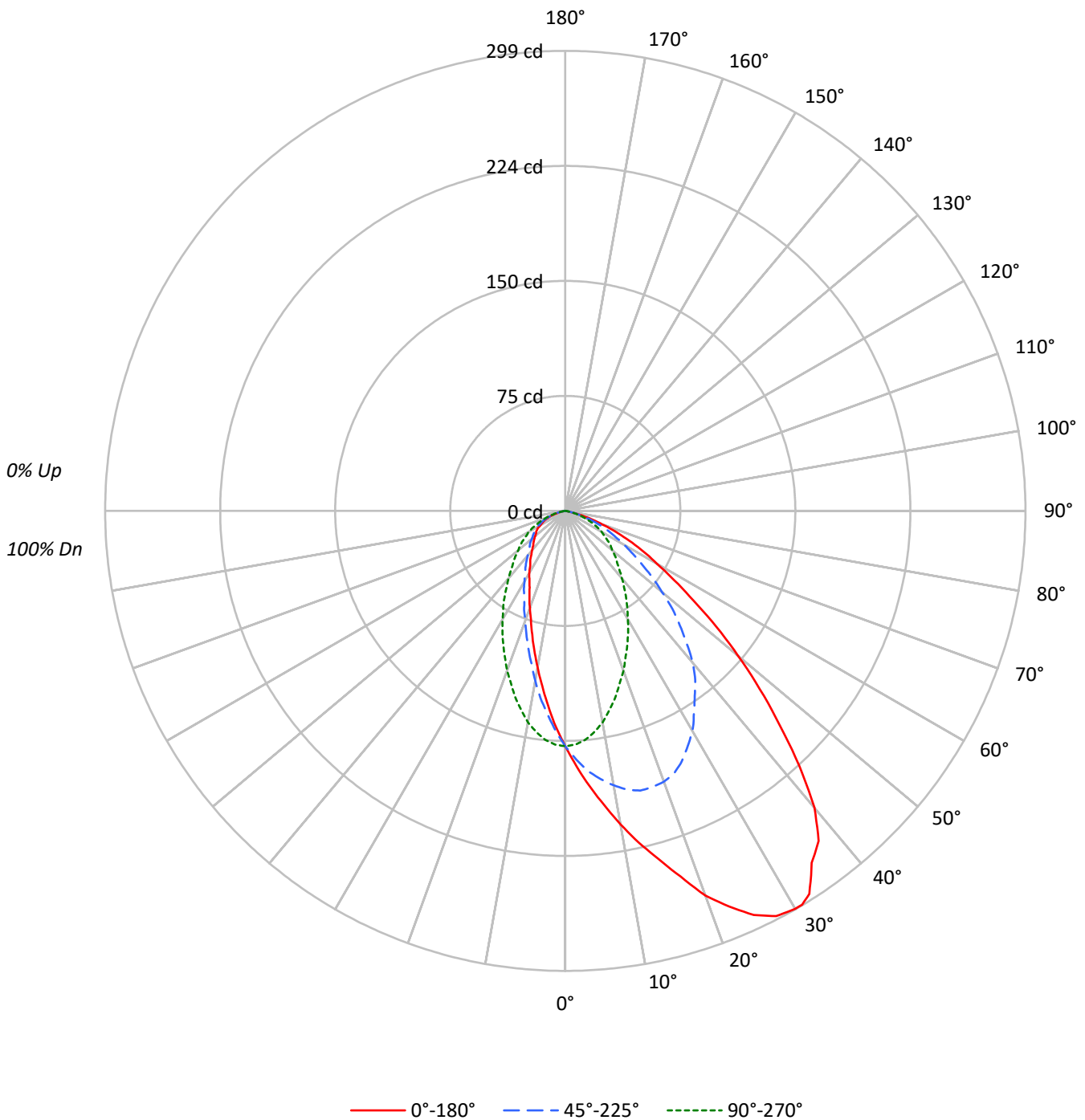
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 311.0 lumens
Efficiency: N/A
Efficacy: 28.0 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: P1446425
CATALOG NUMBER: P3ART09R709727DE010 E3LCWW1LI

Luminous Intensity Polar Plot





TEST NUMBER: P1446425
 CATALOG NUMBER: P3ART09R709727DE010 E3LCWW1LI

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 | 100 | 100 |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | 88 | 88 |
| 2 | 102 | 95 | 90 | 85 | 100 | 93 | 88 | 84 | 90 | 86 | 82 | 87 | 83 | 80 | 84 | 81 | 78 | 76 | 76 | 76 |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 76 | 72 | 68 | 66 | 66 | 66 |
| 4 | 87 | 77 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 60 | 58 | 58 | 58 |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 59 | 54 | 64 | 58 | 54 | 62 | 57 | 53 | 51 | 51 | 51 |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 54 | 49 | 60 | 53 | 48 | 59 | 53 | 48 | 57 | 52 | 47 | 46 | 46 | 46 |
| 7 | 70 | 57 | 49 | 44 | 68 | 57 | 49 | 44 | 55 | 48 | 43 | 54 | 48 | 43 | 52 | 47 | 43 | 41 | 41 | 41 |
| 8 | 65 | 53 | 45 | 39 | 64 | 52 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 39 | 48 | 43 | 39 | 37 | 37 | 37 |
| 9 | 61 | 49 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 35 | 45 | 39 | 35 | 34 | 34 | 34 |
| 10 | 57 | 45 | 38 | 33 | 56 | 45 | 37 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 36 | 32 | 31 | 31 | 31 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 33528 | 33528 | 33528 | 33528 | 33528 |
| 5° | 39489 | 37354 | 32864 | 29166 | 27999 |
| 10° | 46047 | 40324 | 31084 | 24983 | 23023 |
| 15° | 53167 | 42724 | 28491 | 21067 | 18865 |
| 20° | 62072 | 43707 | 25786 | 17735 | 15681 |
| 25° | 70117 | 43406 | 23082 | 15170 | 13259 |
| 30° | 75632 | 41829 | 20585 | 13420 | 11850 |
| 35° | 74740 | 39270 | 18444 | 12073 | 10654 |
| 40° | 72078 | 36926 | 16431 | 10878 | 9618 |
| 45° | 61123 | 32624 | 14792 | 10141 | 9055 |
| 50° | 50045 | 28042 | 13577 | 9654 | 8733 |
| 55° | 38842 | 23321 | 12845 | 9443 | 8793 |
| 60° | 30217 | 19384 | 12017 | 9298 | 8157 |
| 65° | 23816 | 16033 | 10533 | 8717 | 7783 |
| 70° | 16413 | 11925 | 8527 | 7373 | 6796 |
| 75° | 8218 | 6778 | 6015 | 5253 | 4490 |
| 80° | 1137 | 2273 | 3410 | 2273 | 1137 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 61123 cd/sqm



TEST NUMBER: P1446425
 CATALOG NUMBER: P3ART09R709727DE010 E3LCWW1LI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 14.3 | 4.6 |
| 10°-20° | 39.8 | 12.8 |
| 20°-30° | 58.7 | 18.9 |
| 30°-40° | 65.8 | 21.2 |
| 40°-50° | 57.8 | 18.6 |
| 50°-60° | 41.4 | 13.3 |
| 60°-70° | 24.5 | 7.9 |
| 70°-80° | 8.2 | 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° | 112.8 | 36.3 |
| 0°-40° | 178.6 | 57.4 |
| 0°-60° | 277.9 | 89.3 |
| 0°-90° | 311.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 311.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 153 | 153 | 153 | 153 | 153 | |
| 5° | 179 | 170 | 149 | 132 | 127 | 18 |
| 15° | 234 | 188 | 126 | 93 | 83 | 68 |
| 25° | 290 | 179 | 95 | 63 | 55 | 133 |
| 35° | 279 | 147 | 69 | 45 | 40 | 175 |
| 45° | 197 | 105 | 48 | 33 | 29 | 152 |
| 55° | 102 | 61 | 34 | 25 | 23 | 93 |
| 65° | 46 | 31 | 20 | 17 | 15 | 46 |
| 75° | 10 | 8 | 7 | 6 | 5 | 12 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446425
 CATALOG NUMBER: P3ART09R709727DE010 E3LCWW1LI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 152.9 | 152.9 | 152.9 | 152.9 | 152.9 | 152.9 | 152.9 | 152.9 | 152.9 | 152.9 | 152.9 |
| 2.5° | 166.1 | 166.1 | 166.1 | 164.4 | 164.4 | 161.7 | 159.9 | 157.3 | 155.5 | 152.9 | 152.0 |
| 5° | 179.4 | 179.4 | 177.6 | 175.8 | 173.2 | 169.7 | 165.2 | 160.8 | 155.5 | 151.1 | 149.3 |
| 7.5° | 192.6 | 193.5 | 190.9 | 187.3 | 182.0 | 175.8 | 169.7 | 162.6 | 154.6 | 148.5 | 144.9 |
| 10° | 206.8 | 206.8 | 203.2 | 197.9 | 190.0 | 181.1 | 171.4 | 161.7 | 152.0 | 143.1 | 139.6 |
| 12.5° | 220.9 | 220.0 | 215.6 | 207.7 | 197.9 | 185.6 | 172.3 | 159.9 | 148.5 | 137.8 | 132.5 |
| 15° | 234.2 | 234.2 | 228.0 | 218.3 | 204.1 | 188.2 | 172.3 | 156.4 | 143.1 | 130.8 | 125.5 |
| 17.5° | 249.2 | 249.2 | 241.2 | 226.2 | 208.5 | 188.2 | 169.7 | 152.0 | 137.0 | 123.7 | 117.5 |
| 20° | 266.0 | 265.1 | 253.6 | 233.3 | 210.3 | 187.3 | 166.1 | 146.7 | 129.9 | 115.8 | 110.5 |
| 22.5° | 278.3 | 277.5 | 264.2 | 239.5 | 211.2 | 184.7 | 159.9 | 139.6 | 122.8 | 108.7 | 102.5 |
| 25° | 289.8 | 288.1 | 273.0 | 242.1 | 209.4 | 179.4 | 153.8 | 131.7 | 115.8 | 101.6 | 95.4 |
| 27.5° | 296.9 | 296.0 | 279.2 | 241.2 | 205.0 | 172.3 | 145.8 | 124.6 | 107.8 | 93.7 | 88.4 |
| 30° | 298.7 | 299.6 | 279.2 | 236.8 | 197.9 | 165.2 | 137.8 | 116.6 | 99.9 | 87.5 | 81.3 |
| 31° | 298.7 | 299.6 | 277.5 | 234.2 | 195.3 | 161.7 | 134.3 | 114.0 | 96.3 | 83.9 | 78.6 |
| 32.5° | 295.1 | 293.4 | 274.8 | 229.7 | 189.1 | 155.5 | 129.9 | 109.6 | 91.9 | 79.5 | 75.1 |
| 35° | 279.2 | 280.1 | 266.0 | 220.0 | 180.3 | 146.7 | 121.1 | 100.7 | 83.9 | 73.3 | 68.9 |
| 37.5° | 270.4 | 270.4 | 244.8 | 206.8 | 170.5 | 138.7 | 110.5 | 91.0 | 76.9 | 67.2 | 62.7 |
| 40° | 251.8 | 249.2 | 225.3 | 192.6 | 159.1 | 129.0 | 104.3 | 84.8 | 70.7 | 61.0 | 57.4 |
| 42.5° | 225.3 | 222.7 | 204.1 | 180.3 | 144.0 | 116.6 | 99.0 | 75.1 | 63.6 | 55.7 | 52.1 |
| 45° | 197.1 | 195.3 | 181.1 | 159.1 | 129.9 | 105.2 | 85.7 | 68.9 | 58.3 | 50.4 | 47.7 |
| 47.5° | 171.4 | 168.8 | 158.2 | 141.4 | 117.5 | 94.5 | 74.2 | 61.9 | 52.1 | 45.9 | 44.2 |
| 50° | 146.7 | 145.8 | 137.0 | 123.7 | 104.3 | 82.2 | 65.4 | 54.8 | 47.7 | 42.4 | 39.8 |
| 52.5° | 123.7 | 121.9 | 117.5 | 106.9 | 91.0 | 71.6 | 57.4 | 48.6 | 42.4 | 38.9 | 37.1 |
| 55° | 101.6 | 101.6 | 97.2 | 90.1 | 77.8 | 61.0 | 50.4 | 43.3 | 38.0 | 35.3 | 33.6 |
| 57.5° | 83.9 | 83.9 | 80.4 | 76.0 | 64.5 | 52.1 | 44.2 | 38.0 | 34.5 | 31.8 | 30.0 |
| 60° | 68.9 | 68.9 | 66.3 | 61.9 | 53.9 | 44.2 | 38.0 | 33.6 | 30.9 | 28.3 | 27.4 |
| 62.5° | 57.4 | 56.6 | 54.8 | 50.4 | 44.2 | 37.1 | 32.7 | 29.2 | 26.5 | 24.7 | 23.9 |
| 65° | 45.9 | 45.1 | 43.3 | 39.8 | 35.3 | 30.9 | 27.4 | 24.7 | 23.0 | 21.2 | 20.3 |
| 67.5° | 35.3 | 35.3 | 33.6 | 30.9 | 27.4 | 24.7 | 22.1 | 20.3 | 18.6 | 17.7 | 16.8 |
| 70° | 25.6 | 25.6 | 24.7 | 23.0 | 20.3 | 18.6 | 16.8 | 15.9 | 15.0 | 14.1 | 13.3 |
| 72.5° | 17.7 | 17.7 | 16.8 | 15.9 | 14.1 | 13.3 | 11.5 | 11.5 | 10.6 | 10.6 | 9.7 |
| 75° | 9.7 | 9.7 | 9.7 | 8.8 | 8.8 | 8.0 | 8.0 | 8.0 | 7.1 | 7.1 | 7.1 |
| 77.5° | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| 80° | 0.9 | 0.9 | 0.9 | 0.9 | 1.8 | 1.8 | 1.8 | 1.8 | 2.7 | 2.7 | 2.7 |
| 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 |



TEST NUMBER: P1446425

CATALOG NUMBER: P3ART09R709727DE010 E3LCWW1LI

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 152.9 | 152.9 | 152.9 | 152.9 | 152.9 | 152.9 | 152.9 | 152.9 | 152.9 | 152.9 |
| 2.5° | 151.1 | 148.5 | 146.7 | 145.8 | 143.1 | 142.3 | 141.4 | 140.5 | 140.5 | 140.5 |
| 5° | 147.6 | 143.1 | 138.7 | 136.1 | 132.5 | 130.8 | 129.0 | 128.1 | 127.2 | 127.2 |
| 7.5° | 141.4 | 136.1 | 130.8 | 126.4 | 122.8 | 119.3 | 117.5 | 115.8 | 115.8 | 114.9 |
| 10° | 135.2 | 128.1 | 121.9 | 115.8 | 112.2 | 107.8 | 106.0 | 104.3 | 103.4 | 103.4 |
| 12.5° | 128.1 | 119.3 | 112.2 | 106.9 | 101.6 | 98.1 | 95.4 | 93.7 | 92.8 | 92.8 |
| 15° | 120.2 | 111.3 | 103.4 | 98.1 | 92.8 | 88.4 | 85.7 | 83.9 | 83.1 | 83.1 |
| 17.5° | 112.2 | 103.4 | 94.5 | 89.2 | 83.9 | 79.5 | 77.8 | 76.0 | 75.1 | 74.2 |
| 20° | 105.2 | 94.5 | 87.5 | 80.4 | 76.0 | 72.5 | 69.8 | 68.0 | 67.2 | 67.2 |
| 22.5° | 97.2 | 87.5 | 79.5 | 74.2 | 69.8 | 66.3 | 62.7 | 61.9 | 61.0 | 61.0 |
| 25° | 89.2 | 80.4 | 73.3 | 68.0 | 62.7 | 60.1 | 57.4 | 55.7 | 55.7 | 54.8 |
| 27.5° | 83.1 | 74.2 | 67.2 | 61.9 | 58.3 | 54.8 | 53.0 | 51.3 | 50.4 | 50.4 |
| 30° | 76.0 | 68.0 | 61.9 | 57.4 | 53.0 | 50.4 | 48.6 | 46.8 | 46.8 | 46.8 |
| 31° | 74.2 | 66.3 | 60.1 | 54.8 | 51.3 | 48.6 | 46.8 | 45.9 | 45.1 | 45.1 |
| 32.5° | 69.8 | 62.7 | 56.6 | 52.1 | 48.6 | 45.9 | 44.2 | 43.3 | 43.3 | 42.4 |
| 35° | 64.5 | 57.4 | 52.1 | 47.7 | 45.1 | 42.4 | 40.6 | 39.8 | 39.8 | 39.8 |
| 37.5° | 59.2 | 53.0 | 47.7 | 44.2 | 41.5 | 38.9 | 38.0 | 36.2 | 36.2 | 36.2 |
| 40° | 53.9 | 48.6 | 44.2 | 40.6 | 38.0 | 36.2 | 35.3 | 34.5 | 33.6 | 33.6 |
| 42.5° | 49.5 | 44.2 | 40.6 | 38.0 | 35.3 | 33.6 | 32.7 | 31.8 | 31.8 | 30.9 |
| 45° | 45.1 | 40.6 | 38.0 | 35.3 | 32.7 | 31.8 | 30.9 | 30.0 | 29.2 | 29.2 |
| 47.5° | 41.5 | 38.0 | 34.5 | 32.7 | 30.9 | 29.2 | 28.3 | 28.3 | 27.4 | 27.4 |
| 50° | 38.0 | 34.5 | 31.8 | 30.0 | 28.3 | 27.4 | 26.5 | 26.5 | 25.6 | 25.6 |
| 52.5° | 35.3 | 31.8 | 30.0 | 28.3 | 26.5 | 25.6 | 24.7 | 24.7 | 23.9 | 23.9 |
| 55° | 31.8 | 29.2 | 27.4 | 26.5 | 24.7 | 23.9 | 23.0 | 22.1 | 22.1 | 23.0 |
| 57.5° | 29.2 | 27.4 | 25.6 | 24.7 | 23.0 | 22.1 | 21.2 | 21.2 | 20.3 | 21.2 |
| 60° | 26.5 | 24.7 | 23.0 | 22.1 | 21.2 | 20.3 | 19.4 | 18.6 | 18.6 | 18.6 |
| 62.5° | 23.9 | 22.1 | 21.2 | 19.4 | 18.6 | 18.6 | 17.7 | 17.7 | 17.7 | 16.8 |
| 65° | 20.3 | 19.4 | 18.6 | 17.7 | 16.8 | 15.9 | 15.9 | 15.0 | 15.0 | 15.0 |
| 67.5° | 16.8 | 15.9 | 15.0 | 15.0 | 14.1 | 13.3 | 13.3 | 13.3 | 13.3 | 12.4 |
| 70° | 13.3 | 12.4 | 12.4 | 11.5 | 11.5 | 11.5 | 10.6 | 10.6 | 10.6 | 10.6 |
| 72.5° | 9.7 | 9.7 | 8.8 | 8.8 | 8.8 | 8.8 | 8.0 | 8.0 | 8.0 | 8.0 |
| 75° | 7.1 | 7.1 | 7.1 | 6.2 | 6.2 | 6.2 | 5.3 | 5.3 | 5.3 | 5.3 |
| 77.5° | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 80° | 2.7 | 2.7 | 2.7 | 2.7 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 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)