

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: P1445771

Luminaire Tested: P3ART09R709027DE010 E3CLSWW1MW

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445771
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: P3ART09R709027DE010 E3CLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

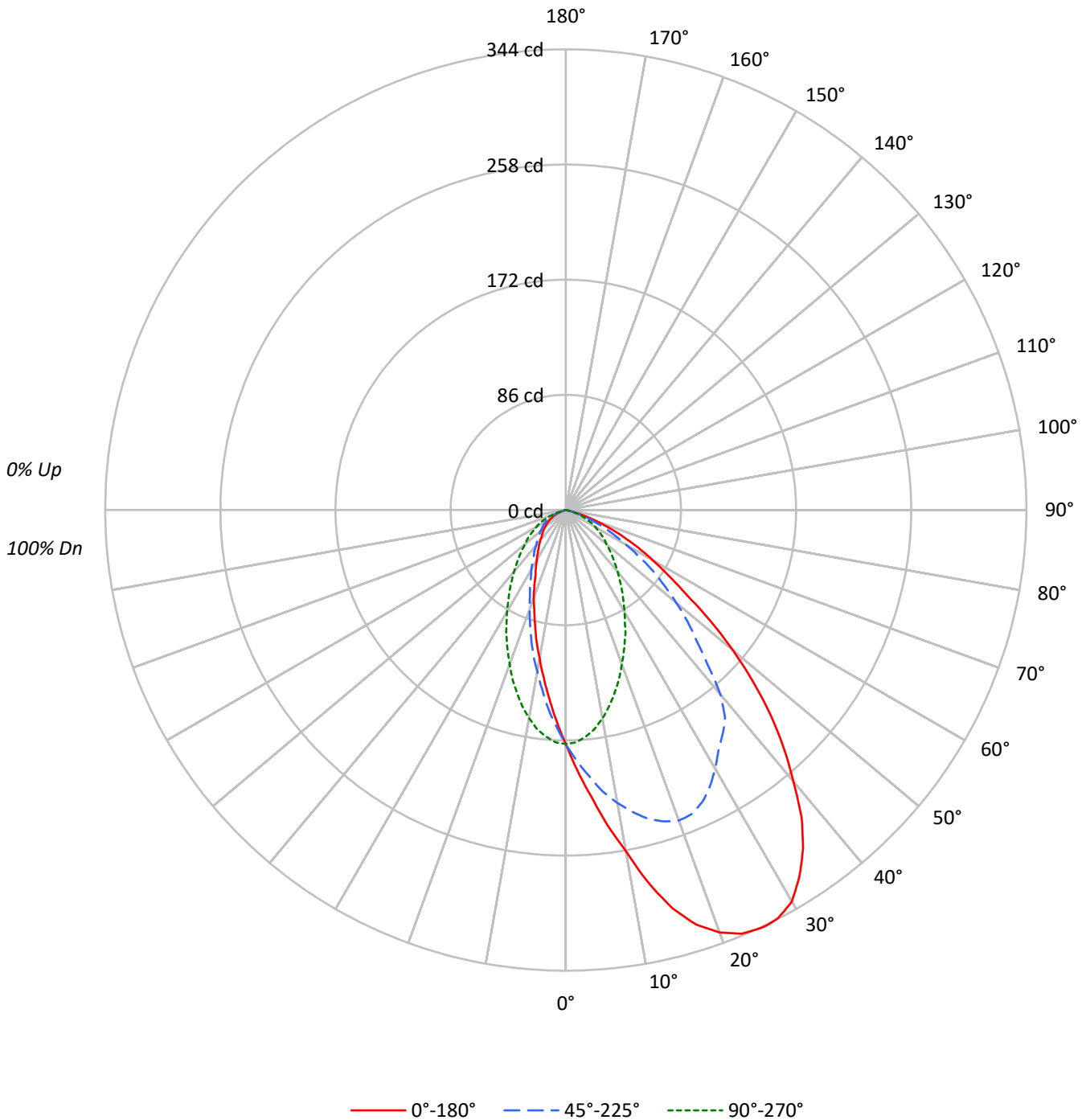
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 348.0 lumens
Efficiency: N/A
Efficacy: 31.4 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): 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: P1445771
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Luminous Intensity Polar Plot





TEST NUMBER: P1445771

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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 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 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 | 91 | 89 |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 85 | 81 | 85 | 82 | 80 | 80 | 80 | 80 | 78 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 70 | 70 | 70 | 68 |
| 4 | 88 | 78 | 70 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 62 | 62 | 62 | 60 |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 62 | 57 | 68 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 55 | 55 | 55 | 53 |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 51 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 49 | 49 | 49 | 47 |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 44 | 44 | 44 | 43 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 40 | 40 | 40 | 39 |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 37 | 37 | 37 | 35 |
| 10 | 59 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 34 | 34 | 34 | 32 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 38308 | 38308 | 38308 | 38308 | 38308 |
| 5° | 47149 | 43892 | 37376 | 32798 | 31059 |
| 10° | 57581 | 49454 | 35159 | 27254 | 25050 |
| 15° | 69898 | 54234 | 32032 | 22634 | 20159 |
| 20° | 78313 | 57592 | 28562 | 18435 | 16358 |
| 25° | 83352 | 58261 | 25308 | 15291 | 12896 |
| 30° | 85482 | 56490 | 22231 | 12989 | 10989 |
| 35° | 82690 | 54690 | 19542 | 11109 | 9503 |
| 40° | 75713 | 51411 | 17232 | 9876 | 8473 |
| 45° | 67046 | 42857 | 15319 | 9179 | 7660 |
| 50° | 55572 | 36707 | 13475 | 8426 | 7062 |
| 55° | 41901 | 30546 | 12463 | 7914 | 6423 |
| 60° | 32892 | 22937 | 11271 | 7368 | 5614 |
| 65° | 24594 | 16915 | 9755 | 6123 | 4618 |
| 70° | 15836 | 10771 | 6988 | 4424 | 2500 |
| 75° | 6693 | 5846 | 3304 | 1694 | 847 |
| 80° | 1263 | 1263 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 67046 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 16.6 | 4.8 |
| 10°-20° | 47.7 | 13.7 |
| 20°-30° | 69.7 | 20.0 |
| 30°-40° | 76.0 | 21.8 |
| 40°-50° | 65.8 | 18.9 |
| 50°-60° | 44.0 | 12.7 |
| 60°-70° | 22.8 | 6.5 |
| 70°-80° | 5.4 | 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° | 134.0 | 38.5 |
| 0°-40° | 210.0 | 60.3 |
| 0°-60° | 319.8 | 91.9 |
| 0°-90° | 348.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 348.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 175 | 175 | 175 | 175 | 175 | |
| 5° | 214 | 199 | 170 | 149 | 141 | 22 |
| 15° | 308 | 239 | 141 | 100 | 89 | 87 |
| 25° | 344 | 241 | 105 | 63 | 53 | 158 |
| 35° | 309 | 204 | 73 | 42 | 36 | 191 |
| 45° | 216 | 138 | 49 | 30 | 25 | 165 |
| 55° | 110 | 80 | 33 | 21 | 17 | 101 |
| 65° | 47 | 33 | 19 | 12 | 9 | 48 |
| 75° | 8 | 7 | 4 | 2 | 1 | 10 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1445771

CATALOG NUMBER: P3ART09R709027DE010 E3CLSWW1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 174.7 | 174.7 | 174.7 | 174.7 | 174.7 | 174.7 | 174.7 | 174.7 | 174.7 | 174.7 | 174.7 |
| 2.5° | 194.4 | 193.5 | 193.5 | 191.5 | 189.5 | 187.5 | 184.6 | 181.6 | 178.7 | 175.7 | 173.7 |
| 5° | 214.2 | 215.2 | 214.2 | 210.2 | 205.3 | 199.4 | 193.5 | 186.5 | 179.6 | 173.7 | 169.8 |
| 7.5° | 236.9 | 236.9 | 233.9 | 229.0 | 222.1 | 212.2 | 202.3 | 190.5 | 179.6 | 169.8 | 164.8 |
| 10° | 258.6 | 258.6 | 253.7 | 245.8 | 234.9 | 222.1 | 208.3 | 192.5 | 177.7 | 163.8 | 157.9 |
| 12.5° | 285.2 | 284.3 | 278.3 | 265.5 | 249.7 | 231.0 | 212.2 | 192.5 | 174.7 | 157.9 | 150.0 |
| 15° | 307.9 | 307.0 | 299.1 | 283.3 | 262.5 | 238.9 | 213.2 | 190.5 | 168.8 | 150.0 | 141.1 |
| 17.5° | 324.7 | 322.8 | 313.9 | 297.1 | 273.4 | 243.8 | 214.2 | 186.5 | 161.9 | 141.1 | 132.3 |
| 20° | 335.6 | 334.6 | 324.7 | 305.0 | 279.3 | 246.8 | 213.2 | 181.6 | 155.0 | 132.3 | 122.4 |
| 22.5° | 342.5 | 340.5 | 330.7 | 308.9 | 279.3 | 245.8 | 209.2 | 174.7 | 146.1 | 123.4 | 113.5 |
| 25° | 344.5 | 343.5 | 331.6 | 307.9 | 276.4 | 240.8 | 203.3 | 167.8 | 137.2 | 114.5 | 104.6 |
| 26° | 344.5 | 343.5 | 331.6 | 307.0 | 274.4 | 237.9 | 200.4 | 164.8 | 134.2 | 110.5 | 101.7 |
| 27.5° | 343.5 | 342.5 | 329.7 | 304.0 | 270.4 | 232.9 | 194.4 | 158.9 | 128.3 | 105.6 | 95.7 |
| 30° | 337.6 | 335.6 | 322.8 | 297.1 | 261.6 | 223.1 | 184.6 | 150.0 | 119.4 | 96.7 | 87.8 |
| 32.5° | 324.7 | 322.8 | 308.9 | 285.2 | 251.7 | 212.2 | 173.7 | 140.2 | 110.5 | 87.8 | 79.9 |
| 35° | 308.9 | 307.0 | 293.1 | 270.4 | 237.9 | 204.3 | 161.9 | 129.3 | 100.7 | 80.9 | 73.0 |
| 37.5° | 289.2 | 286.2 | 274.4 | 250.7 | 221.1 | 195.4 | 152.0 | 118.4 | 91.8 | 73.0 | 66.1 |
| 40° | 264.5 | 263.5 | 252.7 | 231.0 | 201.4 | 179.6 | 146.1 | 118.4 | 83.9 | 66.1 | 60.2 |
| 42.5° | 240.8 | 238.9 | 229.0 | 210.2 | 183.6 | 156.9 | 128.3 | 113.5 | 78.0 | 59.2 | 54.3 |
| 45° | 216.2 | 214.2 | 205.3 | 189.5 | 164.8 | 138.2 | 138.2 | 97.7 | 67.1 | 54.3 | 49.4 |
| 47.5° | 189.5 | 187.5 | 180.6 | 168.8 | 147.1 | 123.4 | 100.7 | 79.9 | 61.2 | 48.4 | 44.4 |
| 50° | 162.9 | 163.8 | 157.9 | 146.1 | 129.3 | 107.6 | 86.9 | 67.1 | 52.3 | 43.4 | 39.5 |
| 52.5° | 136.2 | 135.2 | 131.3 | 123.4 | 111.5 | 92.8 | 74.0 | 57.2 | 45.4 | 38.5 | 36.5 |
| 55° | 109.6 | 110.5 | 108.6 | 103.6 | 93.8 | 79.9 | 62.2 | 49.4 | 40.5 | 34.5 | 32.6 |
| 57.5° | 90.8 | 91.8 | 87.8 | 84.9 | 77.0 | 65.1 | 51.3 | 41.5 | 34.5 | 30.6 | 28.6 |
| 60° | 75.0 | 76.0 | 73.0 | 69.1 | 63.2 | 52.3 | 41.5 | 34.5 | 30.6 | 27.6 | 25.7 |
| 62.5° | 61.2 | 60.2 | 58.2 | 54.3 | 49.4 | 41.5 | 33.6 | 28.6 | 25.7 | 23.7 | 22.7 |
| 65° | 47.4 | 47.4 | 45.4 | 42.4 | 38.5 | 32.6 | 26.6 | 23.7 | 21.7 | 19.7 | 18.8 |
| 67.5° | 35.5 | 35.5 | 33.6 | 31.6 | 27.6 | 23.7 | 20.7 | 18.8 | 17.8 | 15.8 | 14.8 |
| 70° | 24.7 | 24.7 | 23.7 | 22.7 | 19.7 | 16.8 | 15.8 | 13.8 | 12.8 | 11.8 | 10.9 |
| 72.5° | 15.8 | 15.8 | 15.8 | 13.8 | 12.8 | 10.9 | 10.9 | 9.9 | 8.9 | 7.9 | 7.9 |
| 75° | 7.9 | 8.9 | 7.9 | 7.9 | 6.9 | 6.9 | 5.9 | 5.9 | 4.9 | 4.9 | 3.9 |
| 77.5° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 80° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 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 | 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: P1445771

CATALOG NUMBER: P3ART09R709027DE010 E3CLSWW1MW

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 174.7 | 174.7 | 174.7 | 174.7 | 174.7 | 174.7 | 174.7 | 174.7 | 174.7 | 174.7 |
| 2.5° | 171.7 | 168.8 | 166.8 | 163.8 | 161.9 | 159.9 | 158.9 | 157.9 | 157.9 | 157.9 |
| 5° | 166.8 | 161.9 | 156.9 | 152.0 | 149.0 | 146.1 | 143.1 | 142.1 | 141.1 | 141.1 |
| 7.5° | 160.9 | 153.0 | 146.1 | 140.2 | 135.2 | 132.3 | 129.3 | 127.3 | 126.3 | 126.3 |
| 10° | 153.0 | 143.1 | 135.2 | 127.3 | 122.4 | 118.4 | 116.5 | 113.5 | 113.5 | 112.5 |
| 12.5° | 144.1 | 132.3 | 123.4 | 116.5 | 111.5 | 106.6 | 103.6 | 101.7 | 100.7 | 100.7 |
| 15° | 134.2 | 122.4 | 112.5 | 104.6 | 99.7 | 94.8 | 91.8 | 89.8 | 88.8 | 88.8 |
| 17.5° | 124.4 | 111.5 | 101.7 | 93.8 | 88.8 | 83.9 | 80.9 | 79.0 | 79.0 | 78.0 |
| 20° | 114.5 | 101.7 | 91.8 | 83.9 | 79.0 | 75.0 | 72.1 | 70.1 | 69.1 | 70.1 |
| 22.5° | 105.6 | 92.8 | 82.9 | 76.0 | 70.1 | 66.1 | 63.2 | 62.2 | 61.2 | 61.2 |
| 25° | 95.7 | 83.9 | 75.0 | 68.1 | 63.2 | 59.2 | 56.3 | 55.3 | 54.3 | 53.3 |
| 26° | 92.8 | 80.9 | 72.1 | 65.1 | 60.2 | 56.3 | 54.3 | 52.3 | 51.3 | 51.3 |
| 27.5° | 88.8 | 76.0 | 68.1 | 61.2 | 56.3 | 53.3 | 50.3 | 49.4 | 48.4 | 48.4 |
| 30° | 79.9 | 69.1 | 61.2 | 55.3 | 51.3 | 47.4 | 45.4 | 44.4 | 43.4 | 43.4 |
| 32.5° | 73.0 | 62.2 | 55.3 | 50.3 | 46.4 | 43.4 | 41.5 | 39.5 | 39.5 | 39.5 |
| 35° | 66.1 | 56.3 | 50.3 | 45.4 | 41.5 | 38.5 | 37.5 | 36.5 | 35.5 | 35.5 |
| 37.5° | 60.2 | 51.3 | 45.4 | 41.5 | 38.5 | 35.5 | 33.6 | 32.6 | 32.6 | 32.6 |
| 40° | 54.3 | 47.4 | 41.5 | 37.5 | 34.5 | 32.6 | 30.6 | 29.6 | 29.6 | 29.6 |
| 42.5° | 49.4 | 42.4 | 38.5 | 34.5 | 31.6 | 29.6 | 28.6 | 27.6 | 26.6 | 26.6 |
| 45° | 45.4 | 39.5 | 34.5 | 31.6 | 29.6 | 27.6 | 25.7 | 24.7 | 24.7 | 24.7 |
| 47.5° | 40.5 | 36.5 | 31.6 | 28.6 | 26.6 | 24.7 | 23.7 | 22.7 | 22.7 | 22.7 |
| 50° | 37.5 | 33.6 | 29.6 | 26.6 | 24.7 | 22.7 | 21.7 | 20.7 | 20.7 | 20.7 |
| 52.5° | 33.6 | 30.6 | 27.6 | 24.7 | 22.7 | 20.7 | 19.7 | 18.8 | 18.8 | 18.8 |
| 55° | 30.6 | 27.6 | 24.7 | 22.7 | 20.7 | 18.8 | 17.8 | 16.8 | 16.8 | 16.8 |
| 57.5° | 27.6 | 24.7 | 22.7 | 20.7 | 18.8 | 17.8 | 15.8 | 15.8 | 14.8 | 14.8 |
| 60° | 24.7 | 21.7 | 19.7 | 18.8 | 16.8 | 15.8 | 13.8 | 12.8 | 12.8 | 12.8 |
| 62.5° | 20.7 | 19.7 | 17.8 | 15.8 | 13.8 | 12.8 | 11.8 | 10.9 | 10.9 | 10.9 |
| 65° | 17.8 | 16.8 | 14.8 | 12.8 | 11.8 | 10.9 | 9.9 | 8.9 | 8.9 | 8.9 |
| 67.5° | 14.8 | 12.8 | 11.8 | 10.9 | 9.9 | 8.9 | 7.9 | 6.9 | 5.9 | 6.9 |
| 70° | 10.9 | 9.9 | 8.9 | 7.9 | 6.9 | 5.9 | 4.9 | 4.9 | 3.9 | 3.9 |
| 72.5° | 6.9 | 5.9 | 5.9 | 4.9 | 3.9 | 3.9 | 3.0 | 3.0 | 2.0 | 2.0 |
| 75° | 3.9 | 3.9 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 77.5° | 2.0 | 1.0 | 1.0 | 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)