

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: P1446567

Luminaire Tested: P3ART09R709730DE010 E3LSWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446567
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: P3ART09R709730DE010 E3LSWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3LSWW1H TRIM
Light Source: -
Ballast/Driver: -

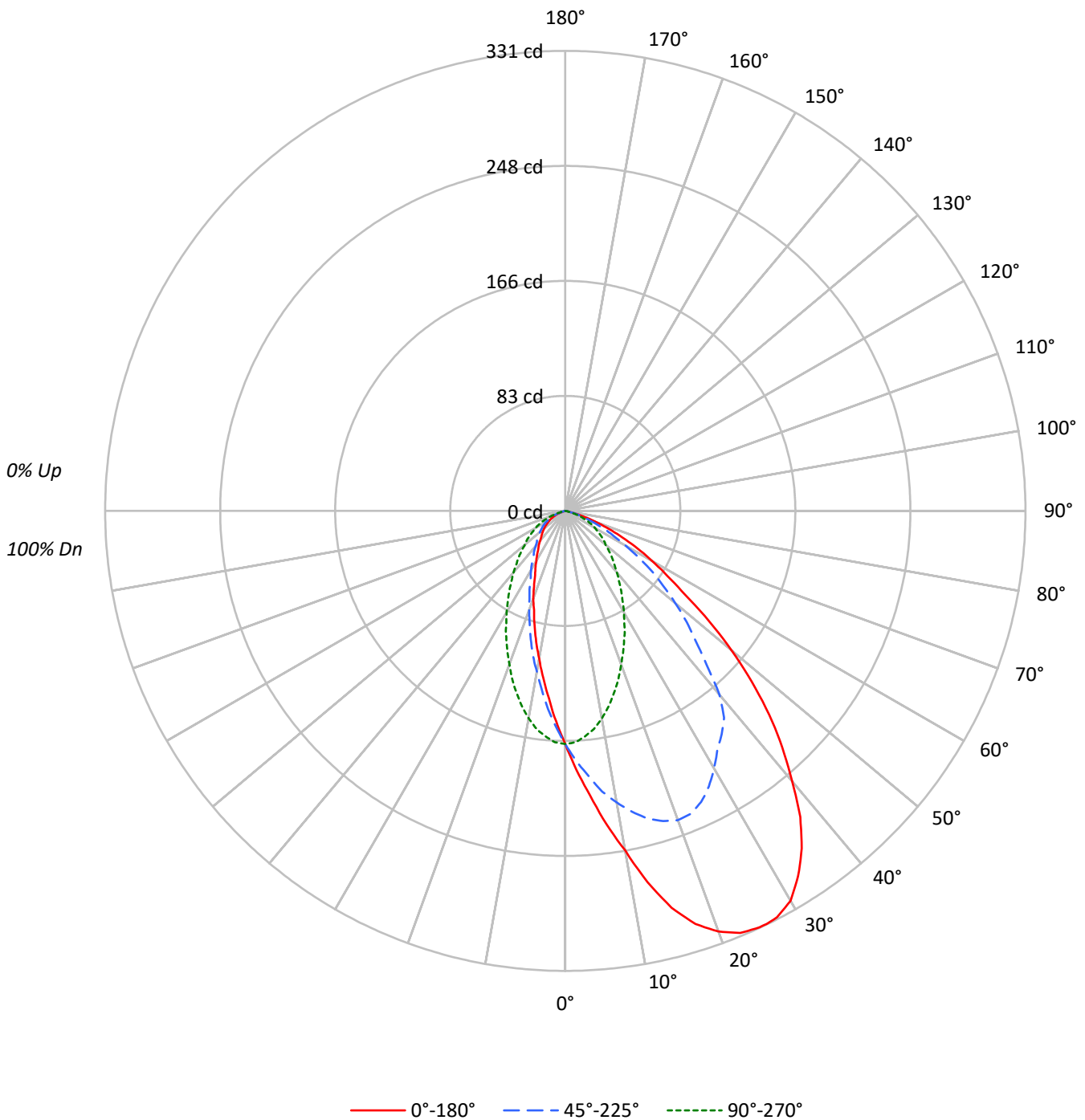
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 334.0 lumens
Efficiency: N/A
Efficacy: 30.1 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: P1446567
CATALOG NUMBER: P3ART09R709730DE010 E3LSWW1H

Luminous Intensity Polar Plot





TEST NUMBER: P1446567

CATALOG NUMBER: P3ART09R709730DE010 E3LSWW1H

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 | 100 | 100 | 100 | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 89 | 89 | 89 | 89 |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 90 | 85 | 91 | 87 | 83 | 88 | 85 | 81 | 85 | 82 | 80 | 78 | 78 | 78 | 78 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 | 68 | 68 | 68 |
| 4 | 88 | 78 | 70 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | 60 | 60 | 60 |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 62 | 57 | 68 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 53 | 53 | 53 | 53 |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 51 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 47 | 47 | 47 | 47 |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | 43 | 43 | 43 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 | 39 | 39 | 39 |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | 35 | 35 | 35 |
| 10 | 59 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | 32 | 32 | 32 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 36773 | 36773 | 36773 | 36773 | 36773 |
| 5° | 45256 | 42131 | 35857 | 31477 | 29826 |
| 10° | 55265 | 47450 | 33756 | 26163 | 24048 |
| 15° | 67106 | 52032 | 30761 | 21725 | 19364 |
| 20° | 75163 | 55258 | 27419 | 17688 | 15705 |
| 25° | 79988 | 55915 | 24292 | 14662 | 12388 |
| 30° | 82038 | 54211 | 21345 | 12483 | 10559 |
| 35° | 79371 | 52494 | 18765 | 10654 | 9128 |
| 40° | 72679 | 49350 | 16545 | 9504 | 8130 |
| 45° | 64348 | 41121 | 14699 | 8807 | 7350 |
| 50° | 53320 | 35240 | 12929 | 8085 | 6789 |
| 55° | 40218 | 29323 | 11966 | 7608 | 6155 |
| 60° | 31576 | 22016 | 10789 | 7061 | 5394 |
| 65° | 23608 | 16240 | 9340 | 5915 | 4410 |
| 70° | 15195 | 10322 | 6668 | 4231 | 2436 |
| 75° | 6439 | 5592 | 3219 | 1610 | 763 |
| 80° | 1137 | 1137 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 64348 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 15.9 | 4.8 |
| 10°-20° | 45.8 | 13.7 |
| 20°-30° | 66.9 | 20.0 |
| 30°-40° | 72.9 | 21.8 |
| 40°-50° | 63.1 | 18.9 |
| 50°-60° | 42.3 | 12.7 |
| 60°-70° | 21.8 | 6.5 |
| 70°-80° | 5.2 | 1.5 |
| 80°-90° | 0.0 | 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° | 128.6 | 38.5 |
| 0°-40° | 201.6 | 60.3 |
| 0°-60° | 307.0 | 91.9 |
| 0°-90° | 334.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 334.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 168 | 168 | 168 | 168 | 168 | |
| 5° | 206 | 191 | 163 | 143 | 136 | 21 |
| 15° | 296 | 229 | 136 | 96 | 85 | 84 |
| 25° | 331 | 231 | 100 | 61 | 51 | 152 |
| 35° | 296 | 196 | 70 | 40 | 34 | 184 |
| 45° | 208 | 133 | 47 | 28 | 24 | 159 |
| 55° | 105 | 77 | 31 | 20 | 16 | 97 |
| 65° | 46 | 31 | 18 | 11 | 8 | 46 |
| 75° | 8 | 7 | 4 | 2 | 1 | 10 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446567
 CATALOG NUMBER: P3ART09R709730DE010 E3LSWW1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 167.7 | 167.7 | 167.7 | 167.7 | 167.7 | 167.7 | 167.7 | 167.7 | 167.7 | 167.7 | 167.7 |
| 2.5° | 186.6 | 185.7 | 185.7 | 183.8 | 181.9 | 180.0 | 177.1 | 174.3 | 171.5 | 168.6 | 166.7 |
| 5° | 205.6 | 206.5 | 205.6 | 201.8 | 197.0 | 191.4 | 185.7 | 179.0 | 172.4 | 166.7 | 162.9 |
| 7.5° | 227.4 | 227.4 | 224.5 | 219.8 | 213.1 | 203.7 | 194.2 | 182.8 | 172.4 | 162.9 | 158.2 |
| 10° | 248.2 | 248.2 | 243.5 | 235.9 | 225.5 | 213.1 | 199.9 | 184.7 | 170.5 | 157.3 | 151.6 |
| 12.5° | 273.8 | 272.8 | 267.1 | 254.8 | 239.7 | 221.7 | 203.7 | 184.7 | 167.7 | 151.6 | 144.0 |
| 15° | 295.6 | 294.6 | 287.0 | 271.9 | 252.0 | 229.2 | 204.6 | 182.8 | 162.0 | 144.0 | 135.5 |
| 17.5° | 311.7 | 309.8 | 301.2 | 285.1 | 262.4 | 234.0 | 205.6 | 179.0 | 155.4 | 135.5 | 126.9 |
| 20° | 322.1 | 321.1 | 311.7 | 292.7 | 268.1 | 236.8 | 204.6 | 174.3 | 148.7 | 126.9 | 117.5 |
| 22.5° | 328.7 | 326.8 | 317.3 | 296.5 | 268.1 | 235.9 | 200.8 | 167.7 | 140.2 | 118.4 | 108.9 |
| 25° | 330.6 | 329.7 | 318.3 | 295.6 | 265.2 | 231.1 | 195.1 | 161.0 | 131.7 | 109.9 | 100.4 |
| 26° | 330.6 | 329.7 | 318.3 | 294.6 | 263.4 | 228.3 | 192.3 | 158.2 | 128.8 | 106.1 | 97.6 |
| 27.5° | 329.7 | 328.7 | 316.4 | 291.8 | 259.6 | 223.6 | 186.6 | 152.5 | 123.2 | 101.4 | 91.9 |
| 30° | 324.0 | 322.1 | 309.8 | 285.1 | 251.0 | 214.1 | 177.1 | 144.0 | 114.6 | 92.8 | 84.3 |
| 32.5° | 311.7 | 309.8 | 296.5 | 273.8 | 241.6 | 203.7 | 166.7 | 134.5 | 106.1 | 84.3 | 76.7 |
| 35° | 296.5 | 294.6 | 281.4 | 259.6 | 228.3 | 196.1 | 155.4 | 124.1 | 96.6 | 77.7 | 70.1 |
| 37.5° | 277.6 | 274.7 | 263.4 | 240.6 | 212.2 | 187.6 | 145.9 | 113.7 | 88.1 | 70.1 | 63.5 |
| 40° | 253.9 | 252.9 | 242.5 | 221.7 | 193.3 | 172.4 | 140.2 | 113.7 | 80.5 | 63.5 | 57.8 |
| 42.5° | 231.1 | 229.2 | 219.8 | 201.8 | 176.2 | 150.6 | 123.2 | 108.9 | 74.8 | 56.8 | 52.1 |
| 45° | 207.5 | 205.6 | 197.0 | 181.9 | 158.2 | 132.6 | 132.6 | 93.8 | 64.4 | 52.1 | 47.4 |
| 47.5° | 181.9 | 180.0 | 173.4 | 162.0 | 141.1 | 118.4 | 96.6 | 76.7 | 58.7 | 46.4 | 42.6 |
| 50° | 156.3 | 157.3 | 151.6 | 140.2 | 124.1 | 103.3 | 83.4 | 64.4 | 50.2 | 41.7 | 37.9 |
| 52.5° | 130.7 | 129.8 | 126.0 | 118.4 | 107.0 | 89.0 | 71.0 | 54.9 | 43.6 | 36.9 | 35.1 |
| 55° | 105.2 | 106.1 | 104.2 | 99.5 | 90.0 | 76.7 | 59.7 | 47.4 | 38.8 | 33.2 | 31.3 |
| 57.5° | 87.2 | 88.1 | 84.3 | 81.5 | 73.9 | 62.5 | 49.3 | 39.8 | 33.2 | 29.4 | 27.5 |
| 60° | 72.0 | 72.9 | 70.1 | 66.3 | 60.6 | 50.2 | 39.8 | 33.2 | 29.4 | 26.5 | 24.6 |
| 62.5° | 58.7 | 57.8 | 55.9 | 52.1 | 47.4 | 39.8 | 32.2 | 27.5 | 24.6 | 22.7 | 21.8 |
| 65° | 45.5 | 45.5 | 43.6 | 40.7 | 36.9 | 31.3 | 25.6 | 22.7 | 20.8 | 18.9 | 18.0 |
| 67.5° | 34.1 | 34.1 | 32.2 | 30.3 | 26.5 | 22.7 | 19.9 | 18.0 | 17.1 | 15.2 | 14.2 |
| 70° | 23.7 | 23.7 | 22.7 | 21.8 | 18.9 | 16.1 | 15.2 | 13.3 | 12.3 | 11.4 | 10.4 |
| 72.5° | 15.2 | 15.2 | 15.2 | 13.3 | 12.3 | 10.4 | 10.4 | 9.5 | 8.5 | 7.6 | 7.6 |
| 75° | 7.6 | 8.5 | 7.6 | 7.6 | 6.6 | 6.6 | 5.7 | 5.7 | 4.7 | 4.7 | 3.8 |
| 77.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 80° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 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: P1446567
 CATALOG NUMBER: P3ART09R709730DE010 E3LSWW1H

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 167.7 | 167.7 | 167.7 | 167.7 | 167.7 | 167.7 | 167.7 | 167.7 | 167.7 | 167.7 |
| 2.5° | 164.8 | 162.0 | 160.1 | 157.3 | 155.4 | 153.5 | 152.5 | 151.6 | 151.6 | 151.6 |
| 5° | 160.1 | 155.4 | 150.6 | 145.9 | 143.0 | 140.2 | 137.4 | 136.4 | 135.5 | 135.5 |
| 7.5° | 154.4 | 146.8 | 140.2 | 134.5 | 129.8 | 126.9 | 124.1 | 122.2 | 121.3 | 121.3 |
| 10° | 146.8 | 137.4 | 129.8 | 122.2 | 117.5 | 113.7 | 111.8 | 108.9 | 108.9 | 108.0 |
| 12.5° | 138.3 | 126.9 | 118.4 | 111.8 | 107.0 | 102.3 | 99.5 | 97.6 | 96.6 | 96.6 |
| 15° | 128.8 | 117.5 | 108.0 | 100.4 | 95.7 | 90.9 | 88.1 | 86.2 | 85.3 | 85.3 |
| 17.5° | 119.4 | 107.0 | 97.6 | 90.0 | 85.3 | 80.5 | 77.7 | 75.8 | 75.8 | 74.8 |
| 20° | 109.9 | 97.6 | 88.1 | 80.5 | 75.8 | 72.0 | 69.2 | 67.3 | 66.3 | 67.3 |
| 22.5° | 101.4 | 89.0 | 79.6 | 72.9 | 67.3 | 63.5 | 60.6 | 59.7 | 58.7 | 58.7 |
| 25° | 91.9 | 80.5 | 72.0 | 65.4 | 60.6 | 56.8 | 54.0 | 53.0 | 52.1 | 51.2 |
| 26° | 89.0 | 77.7 | 69.2 | 62.5 | 57.8 | 54.0 | 52.1 | 50.2 | 49.3 | 49.3 |
| 27.5° | 85.3 | 72.9 | 65.4 | 58.7 | 54.0 | 51.2 | 48.3 | 47.4 | 46.4 | 46.4 |
| 30° | 76.7 | 66.3 | 58.7 | 53.0 | 49.3 | 45.5 | 43.6 | 42.6 | 41.7 | 41.7 |
| 32.5° | 70.1 | 59.7 | 53.0 | 48.3 | 44.5 | 41.7 | 39.8 | 37.9 | 37.9 | 37.9 |
| 35° | 63.5 | 54.0 | 48.3 | 43.6 | 39.8 | 36.9 | 36.0 | 35.1 | 34.1 | 34.1 |
| 37.5° | 57.8 | 49.3 | 43.6 | 39.8 | 36.9 | 34.1 | 32.2 | 31.3 | 31.3 | 31.3 |
| 40° | 52.1 | 45.5 | 39.8 | 36.0 | 33.2 | 31.3 | 29.4 | 28.4 | 28.4 | 28.4 |
| 42.5° | 47.4 | 40.7 | 36.9 | 33.2 | 30.3 | 28.4 | 27.5 | 26.5 | 25.6 | 25.6 |
| 45° | 43.6 | 37.9 | 33.2 | 30.3 | 28.4 | 26.5 | 24.6 | 23.7 | 23.7 | 23.7 |
| 47.5° | 38.8 | 35.1 | 30.3 | 27.5 | 25.6 | 23.7 | 22.7 | 21.8 | 21.8 | 21.8 |
| 50° | 36.0 | 32.2 | 28.4 | 25.6 | 23.7 | 21.8 | 20.8 | 19.9 | 19.9 | 19.9 |
| 52.5° | 32.2 | 29.4 | 26.5 | 23.7 | 21.8 | 19.9 | 18.9 | 18.0 | 18.0 | 18.0 |
| 55° | 29.4 | 26.5 | 23.7 | 21.8 | 19.9 | 18.0 | 17.1 | 16.1 | 16.1 | 16.1 |
| 57.5° | 26.5 | 23.7 | 21.8 | 19.9 | 18.0 | 17.1 | 15.2 | 15.2 | 14.2 | 14.2 |
| 60° | 23.7 | 20.8 | 18.9 | 18.0 | 16.1 | 15.2 | 13.3 | 12.3 | 12.3 | 12.3 |
| 62.5° | 19.9 | 18.9 | 17.1 | 15.2 | 13.3 | 12.3 | 11.4 | 10.4 | 10.4 | 10.4 |
| 65° | 17.1 | 16.1 | 14.2 | 12.3 | 11.4 | 10.4 | 9.5 | 8.5 | 8.5 | 8.5 |
| 67.5° | 14.2 | 12.3 | 11.4 | 10.4 | 9.5 | 8.5 | 7.6 | 6.6 | 5.7 | 6.6 |
| 70° | 10.4 | 9.5 | 8.5 | 7.6 | 6.6 | 5.7 | 4.7 | 4.7 | 3.8 | 3.8 |
| 72.5° | 6.6 | 5.7 | 5.7 | 4.7 | 3.8 | 3.8 | 2.8 | 2.8 | 1.9 | 1.9 |
| 75° | 3.8 | 3.8 | 2.8 | 2.8 | 1.9 | 1.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 77.5° | 1.9 | 0.9 | 0.9 | 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)