

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: P1445657

Luminaire Tested: P3ART09R709024DE010 E3LSWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445657
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: P3ART09R709024DE010 E3LSWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3LSWW1H TRIM
Light Source: -
Ballast/Driver: -

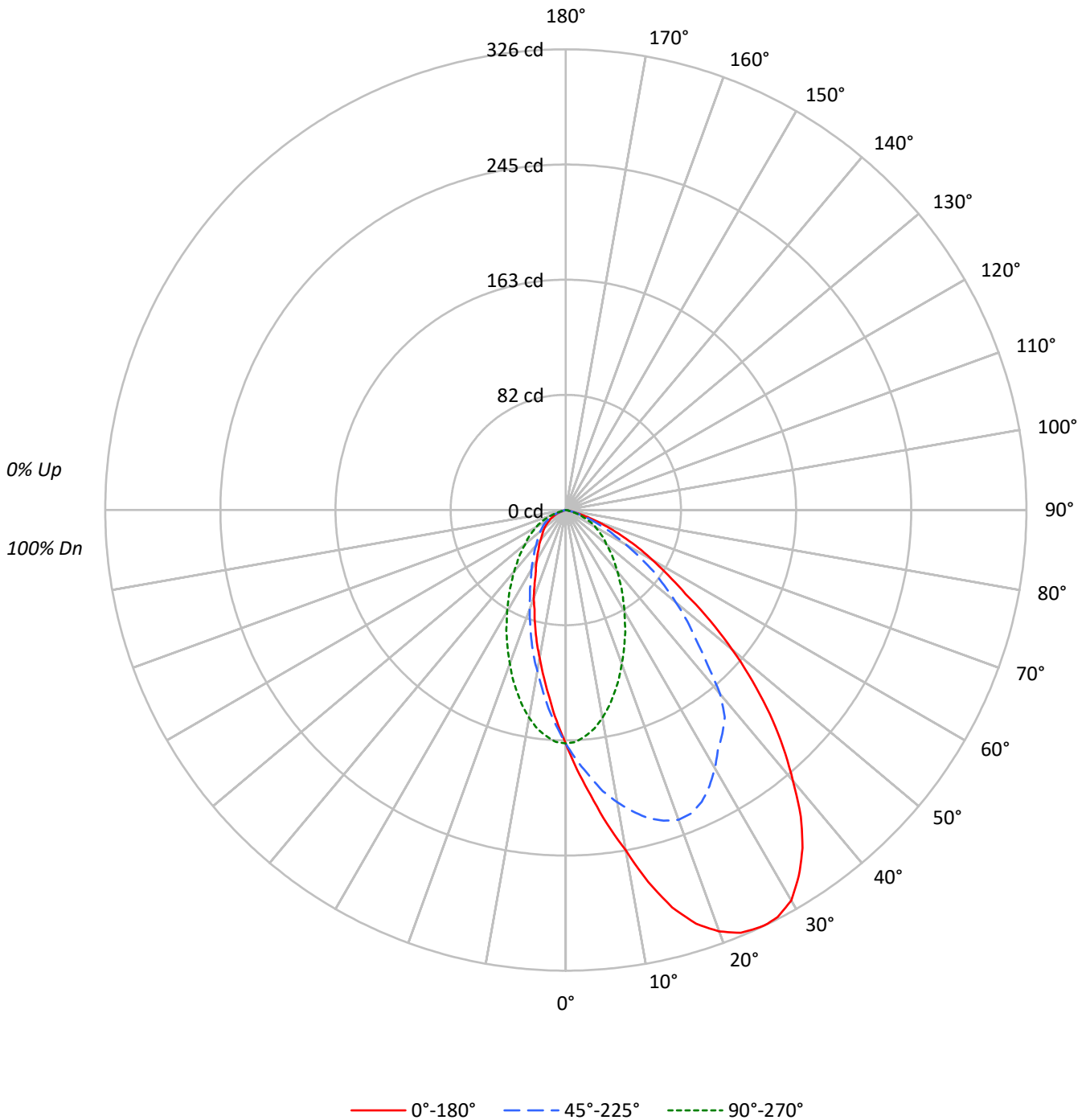
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 329.0 lumens
Efficiency: N/A
Efficacy: 29.6 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: P1445657
CATALOG NUMBER: P3ART09R709024DE010 E3LSWW1H

Luminous Intensity Polar Plot





TEST NUMBER: P1445657
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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 | 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 | 89 | 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° | 36225 | 36225 | 36225 | 36225 | 36225 |
| 5° | 44574 | 41492 | 35329 | 31015 | 29364 |
| 10° | 54441 | 46759 | 33244 | 25762 | 23691 |
| 15° | 66084 | 51260 | 30284 | 21385 | 19069 |
| 20° | 74043 | 54441 | 26999 | 17432 | 15471 |
| 25° | 78803 | 55092 | 23929 | 14444 | 12194 |
| 30° | 80797 | 53401 | 21016 | 12280 | 10407 |
| 35° | 78193 | 51718 | 18498 | 10494 | 8994 |
| 40° | 71591 | 48605 | 16288 | 9360 | 8015 |
| 45° | 63386 | 40500 | 14482 | 8683 | 7226 |
| 50° | 52536 | 34694 | 12725 | 7949 | 6686 |
| 55° | 39607 | 28902 | 11775 | 7493 | 6079 |
| 60° | 31094 | 21709 | 10657 | 6973 | 5307 |
| 65° | 23245 | 15981 | 9184 | 5811 | 4358 |
| 70° | 14938 | 10194 | 6604 | 4167 | 2372 |
| 75° | 6354 | 5507 | 3135 | 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: 63386 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 15.7 | 4.8 |
| 10°-20° | 45.1 | 13.7 |
| 20°-30° | 65.9 | 20.0 |
| 30°-40° | 71.8 | 21.8 |
| 40°-50° | 62.2 | 18.9 |
| 50°-60° | 41.6 | 12.7 |
| 60°-70° | 21.5 | 6.5 |
| 70°-80° | 5.1 | 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° | 126.7 | 38.5 |
| 0°-40° | 198.5 | 60.3 |
| 0°-60° | 302.4 | 91.9 |
| 0°-90° | 329.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 329.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 165 | 165 | 165 | 165 | 165 | |
| 5° | 202 | 188 | 160 | 141 | 133 | 21 |
| 15° | 291 | 226 | 133 | 94 | 84 | 82 |
| 25° | 326 | 228 | 99 | 60 | 50 | 150 |
| 35° | 292 | 193 | 69 | 39 | 34 | 181 |
| 45° | 204 | 131 | 47 | 28 | 23 | 156 |
| 55° | 104 | 76 | 31 | 20 | 16 | 96 |
| 65° | 45 | 31 | 18 | 11 | 8 | 45 |
| 75° | 8 | 6 | 4 | 2 | 1 | 10 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1445657
 CATALOG NUMBER: P3ART09R709024DE010 E3LSWW1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 |
| 2.5° | 183.8 | 182.9 | 182.9 | 181.0 | 179.2 | 177.3 | 174.5 | 171.7 | 168.9 | 166.1 | 164.2 |
| 5° | 202.5 | 203.4 | 202.5 | 198.8 | 194.1 | 188.5 | 182.9 | 176.4 | 169.8 | 164.2 | 160.5 |
| 7.5° | 224.0 | 224.0 | 221.2 | 216.5 | 210.0 | 200.6 | 191.3 | 180.1 | 169.8 | 160.5 | 155.8 |
| 10° | 244.5 | 244.5 | 239.8 | 232.3 | 222.1 | 210.0 | 196.9 | 182.0 | 168.0 | 154.9 | 149.3 |
| 12.5° | 269.7 | 268.7 | 263.1 | 251.0 | 236.1 | 218.4 | 200.6 | 182.0 | 165.2 | 149.3 | 141.8 |
| 15° | 291.1 | 290.2 | 282.7 | 267.8 | 248.2 | 225.8 | 201.6 | 180.1 | 159.6 | 141.8 | 133.4 |
| 17.5° | 307.0 | 305.1 | 296.7 | 280.9 | 258.5 | 230.5 | 202.5 | 176.4 | 153.0 | 133.4 | 125.0 |
| 20° | 317.3 | 316.3 | 307.0 | 288.3 | 264.1 | 233.3 | 201.6 | 171.7 | 146.5 | 125.0 | 115.7 |
| 22.5° | 323.8 | 321.9 | 312.6 | 292.1 | 264.1 | 232.3 | 197.8 | 165.2 | 138.1 | 116.6 | 107.3 |
| 25° | 325.7 | 324.7 | 313.5 | 291.1 | 261.3 | 227.7 | 192.2 | 158.6 | 129.7 | 108.2 | 98.9 |
| 26° | 325.7 | 324.7 | 313.5 | 290.2 | 259.4 | 224.9 | 189.4 | 155.8 | 126.9 | 104.5 | 96.1 |
| 27.5° | 324.7 | 323.8 | 311.7 | 287.4 | 255.7 | 220.2 | 183.8 | 150.2 | 121.3 | 99.8 | 90.5 |
| 30° | 319.1 | 317.3 | 305.1 | 280.9 | 247.3 | 210.9 | 174.5 | 141.8 | 112.9 | 91.4 | 83.0 |
| 32.5° | 307.0 | 305.1 | 292.1 | 269.7 | 237.9 | 200.6 | 164.2 | 132.5 | 104.5 | 83.0 | 75.6 |
| 35° | 292.1 | 290.2 | 277.1 | 255.7 | 224.9 | 193.2 | 153.0 | 122.2 | 95.2 | 76.5 | 69.1 |
| 37.5° | 273.4 | 270.6 | 259.4 | 237.0 | 209.0 | 184.8 | 143.7 | 112.0 | 86.8 | 69.1 | 62.5 |
| 40° | 250.1 | 249.1 | 238.9 | 218.4 | 190.4 | 169.8 | 138.1 | 112.0 | 79.3 | 62.5 | 56.9 |
| 42.5° | 227.7 | 225.8 | 216.5 | 198.8 | 173.6 | 148.4 | 121.3 | 107.3 | 73.7 | 56.0 | 51.3 |
| 45° | 204.4 | 202.5 | 194.1 | 179.2 | 155.8 | 130.6 | 107.3 | 92.4 | 63.5 | 51.3 | 46.7 |
| 47.5° | 179.2 | 177.3 | 170.8 | 159.6 | 139.0 | 116.6 | 95.2 | 75.6 | 57.9 | 45.7 | 42.0 |
| 50° | 154.0 | 154.9 | 149.3 | 138.1 | 122.2 | 101.7 | 82.1 | 63.5 | 49.5 | 41.1 | 37.3 |
| 52.5° | 128.8 | 127.8 | 124.1 | 116.6 | 105.4 | 87.7 | 70.0 | 54.1 | 42.9 | 36.4 | 34.5 |
| 55° | 103.6 | 104.5 | 102.6 | 98.0 | 88.6 | 75.6 | 58.8 | 46.7 | 38.3 | 32.7 | 30.8 |
| 57.5° | 85.8 | 86.8 | 83.0 | 80.2 | 72.8 | 61.6 | 48.5 | 39.2 | 32.7 | 28.9 | 27.1 |
| 60° | 70.9 | 71.9 | 69.1 | 65.3 | 59.7 | 49.5 | 39.2 | 32.7 | 28.9 | 26.1 | 24.3 |
| 62.5° | 57.9 | 56.9 | 55.1 | 51.3 | 46.7 | 39.2 | 31.7 | 27.1 | 24.3 | 22.4 | 21.5 |
| 65° | 44.8 | 44.8 | 42.9 | 40.1 | 36.4 | 30.8 | 25.2 | 22.4 | 20.5 | 18.7 | 17.7 |
| 67.5° | 33.6 | 33.6 | 31.7 | 29.9 | 26.1 | 22.4 | 19.6 | 17.7 | 16.8 | 14.9 | 14.0 |
| 70° | 23.3 | 23.3 | 22.4 | 21.5 | 18.7 | 15.9 | 14.9 | 13.1 | 12.1 | 11.2 | 10.3 |
| 72.5° | 14.9 | 14.9 | 14.9 | 13.1 | 12.1 | 10.3 | 10.3 | 9.3 | 8.4 | 7.5 | 7.5 |
| 75° | 7.5 | 8.4 | 7.5 | 7.5 | 6.5 | 6.5 | 5.6 | 5.6 | 4.7 | 4.7 | 3.7 |
| 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: P1445657
 CATALOG NUMBER: P3ART09R709024DE010 E3LSWW1H

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 |
| 2.5° | 162.4 | 159.6 | 157.7 | 154.9 | 153.0 | 151.2 | 150.2 | 149.3 | 149.3 | 149.3 |
| 5° | 157.7 | 153.0 | 148.4 | 143.7 | 140.9 | 138.1 | 135.3 | 134.4 | 133.4 | 133.4 |
| 7.5° | 152.1 | 144.6 | 138.1 | 132.5 | 127.8 | 125.0 | 122.2 | 120.4 | 119.4 | 119.4 |
| 10° | 144.6 | 135.3 | 127.8 | 120.4 | 115.7 | 112.0 | 110.1 | 107.3 | 107.3 | 106.4 |
| 12.5° | 136.2 | 125.0 | 116.6 | 110.1 | 105.4 | 100.8 | 98.0 | 96.1 | 95.2 | 95.2 |
| 15° | 126.9 | 115.7 | 106.4 | 98.9 | 94.2 | 89.6 | 86.8 | 84.9 | 84.0 | 84.0 |
| 17.5° | 117.6 | 105.4 | 96.1 | 88.6 | 84.0 | 79.3 | 76.5 | 74.7 | 74.7 | 73.7 |
| 20° | 108.2 | 96.1 | 86.8 | 79.3 | 74.7 | 70.9 | 68.1 | 66.3 | 65.3 | 66.3 |
| 22.5° | 99.8 | 87.7 | 78.4 | 71.9 | 66.3 | 62.5 | 59.7 | 58.8 | 57.9 | 57.9 |
| 25° | 90.5 | 79.3 | 70.9 | 64.4 | 59.7 | 56.0 | 53.2 | 52.3 | 51.3 | 50.4 |
| 26° | 87.7 | 76.5 | 68.1 | 61.6 | 56.9 | 53.2 | 51.3 | 49.5 | 48.5 | 48.5 |
| 27.5° | 84.0 | 71.9 | 64.4 | 57.9 | 53.2 | 50.4 | 47.6 | 46.7 | 45.7 | 45.7 |
| 30° | 75.6 | 65.3 | 57.9 | 52.3 | 48.5 | 44.8 | 42.9 | 42.0 | 41.1 | 41.1 |
| 32.5° | 69.1 | 58.8 | 52.3 | 47.6 | 43.9 | 41.1 | 39.2 | 37.3 | 37.3 | 37.3 |
| 35° | 62.5 | 53.2 | 47.6 | 42.9 | 39.2 | 36.4 | 35.5 | 34.5 | 33.6 | 33.6 |
| 37.5° | 56.9 | 48.5 | 42.9 | 39.2 | 36.4 | 33.6 | 31.7 | 30.8 | 30.8 | 30.8 |
| 40° | 51.3 | 44.8 | 39.2 | 35.5 | 32.7 | 30.8 | 28.9 | 28.0 | 28.0 | 28.0 |
| 42.5° | 46.7 | 40.1 | 36.4 | 32.7 | 29.9 | 28.0 | 27.1 | 26.1 | 25.2 | 25.2 |
| 45° | 42.9 | 37.3 | 32.7 | 29.9 | 28.0 | 26.1 | 24.3 | 23.3 | 23.3 | 23.3 |
| 47.5° | 38.3 | 34.5 | 29.9 | 27.1 | 25.2 | 23.3 | 22.4 | 21.5 | 21.5 | 21.5 |
| 50° | 35.5 | 31.7 | 28.0 | 25.2 | 23.3 | 21.5 | 20.5 | 19.6 | 19.6 | 19.6 |
| 52.5° | 31.7 | 28.9 | 26.1 | 23.3 | 21.5 | 19.6 | 18.7 | 17.7 | 17.7 | 17.7 |
| 55° | 28.9 | 26.1 | 23.3 | 21.5 | 19.6 | 17.7 | 16.8 | 15.9 | 15.9 | 15.9 |
| 57.5° | 26.1 | 23.3 | 21.5 | 19.6 | 17.7 | 16.8 | 14.9 | 14.9 | 14.0 | 14.0 |
| 60° | 23.3 | 20.5 | 18.7 | 17.7 | 15.9 | 14.9 | 13.1 | 12.1 | 12.1 | 12.1 |
| 62.5° | 19.6 | 18.7 | 16.8 | 14.9 | 13.1 | 12.1 | 11.2 | 10.3 | 10.3 | 10.3 |
| 65° | 16.8 | 15.9 | 14.0 | 12.1 | 11.2 | 10.3 | 9.3 | 8.4 | 8.4 | 8.4 |
| 67.5° | 14.0 | 12.1 | 11.2 | 10.3 | 9.3 | 8.4 | 7.5 | 6.5 | 5.6 | 6.5 |
| 70° | 10.3 | 9.3 | 8.4 | 7.5 | 6.5 | 5.6 | 4.7 | 4.7 | 3.7 | 3.7 |
| 72.5° | 6.5 | 5.6 | 5.6 | 4.7 | 3.7 | 3.7 | 2.8 | 2.8 | 1.9 | 1.9 |
| 75° | 3.7 | 3.7 | 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)