

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: P1446670

Luminaire Tested: P3ART05R709735DE010 E3LSWW1GPH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446670
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: P3ART05R709735DE010 E3LSWW1GPH
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3LSWW1GPH TRIM
Light Source: -
Ballast/Driver: -

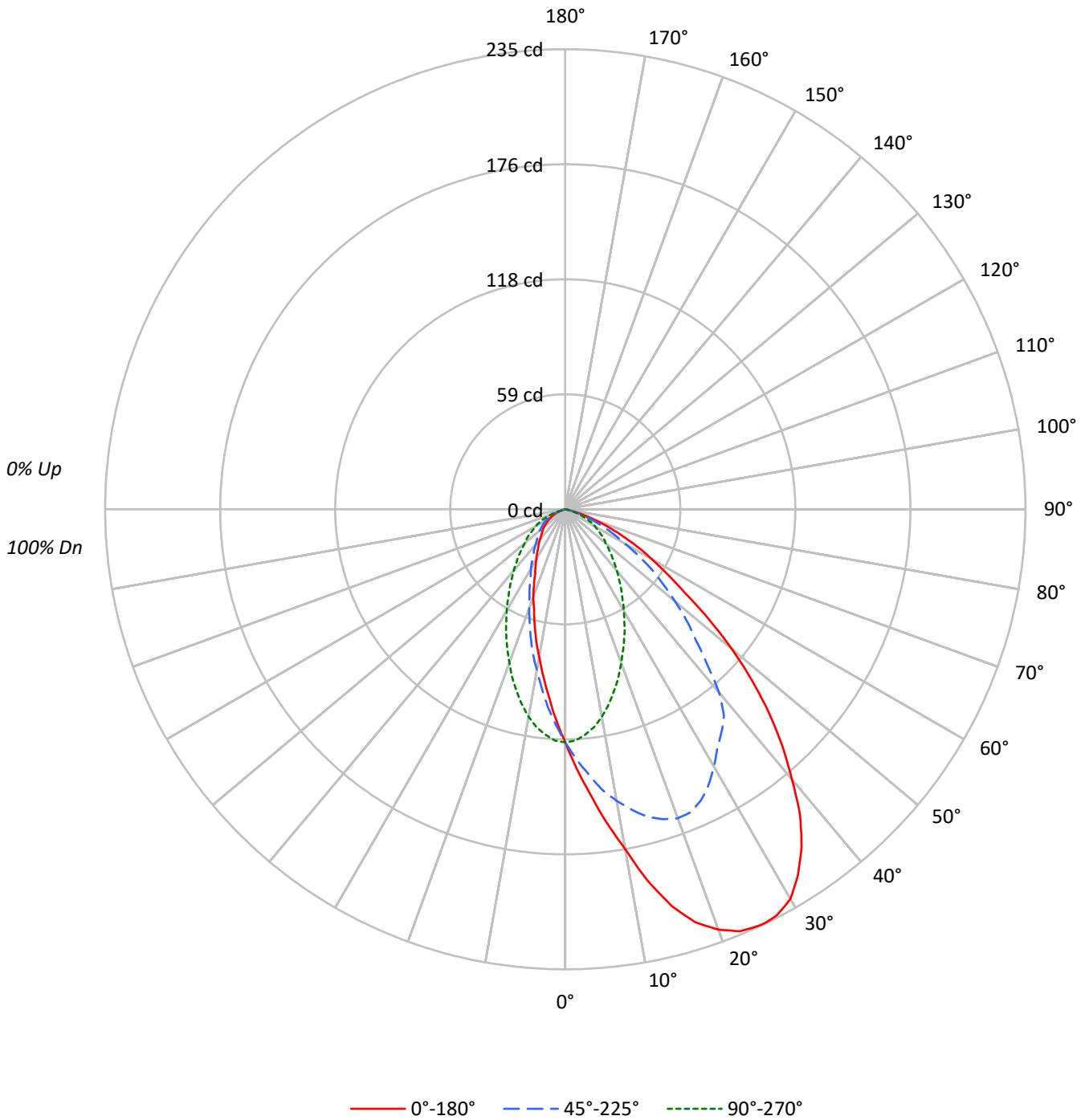
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 237.0 lumens
Efficiency: N/A
Efficacy: 32.9 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): 7.2
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: P1446670
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Luminous Intensity Polar Plot





TEST NUMBER: P1446670

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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° | 26094 | 26094 | 26094 | 26094 | 26094 |
| 5° | 32115 | 29892 | 25446 | 22342 | 21153 |
| 10° | 39211 | 33667 | 23959 | 18570 | 17056 |
| 15° | 47605 | 36936 | 21816 | 15414 | 13734 |
| 20° | 53321 | 39203 | 19462 | 12554 | 11131 |
| 25° | 56761 | 39680 | 17251 | 10404 | 8783 |
| 30° | 58211 | 38462 | 15142 | 8862 | 7495 |
| 35° | 56322 | 37236 | 13304 | 7549 | 6478 |
| 40° | 51554 | 35008 | 11736 | 6727 | 5782 |
| 45° | 45648 | 29181 | 10420 | 6264 | 5210 |
| 50° | 37832 | 25006 | 9177 | 5731 | 4810 |
| 55° | 28520 | 20797 | 8487 | 5390 | 4358 |
| 60° | 22410 | 15613 | 7675 | 5000 | 3815 |
| 65° | 16759 | 11519 | 6641 | 4203 | 3113 |
| 70° | 10771 | 7309 | 4744 | 3013 | 1731 |
| 75° | 4575 | 3982 | 2288 | 1101 | 593 |
| 80° | 884 | 884 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 45648 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 11.3 | 4.8 |
| 10°-20° | 32.5 | 13.7 |
| 20°-30° | 47.5 | 20.0 |
| 30°-40° | 51.7 | 21.8 |
| 40°-50° | 44.8 | 18.9 |
| 50°-60° | 30.0 | 12.7 |
| 60°-70° | 15.5 | 6.5 |
| 70°-80° | 3.7 | 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° | 91.3 | 38.5 |
| 0°-40° | 143.0 | 60.3 |
| 0°-60° | 217.8 | 91.9 |
| 0°-90° | 237.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 237.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 119 | 119 | 119 | 119 | 119 | |
| 5° | 146 | 136 | 116 | 102 | 96 | 15 |
| 15° | 210 | 163 | 96 | 68 | 60 | 59 |
| 25° | 235 | 164 | 71 | 43 | 36 | 108 |
| 35° | 210 | 139 | 50 | 28 | 24 | 130 |
| 45° | 147 | 94 | 34 | 20 | 17 | 113 |
| 55° | 75 | 54 | 22 | 14 | 11 | 69 |
| 65° | 32 | 22 | 13 | 8 | 6 | 33 |
| 75° | 5 | 5 | 3 | 1 | 1 | 7 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446670

CATALOG NUMBER: P3ART05R709735DE010 E3LSWW1GPH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 |
| 2.5° | 132.4 | 131.8 | 131.8 | 130.4 | 129.1 | 127.7 | 125.7 | 123.7 | 121.7 | 119.7 | 118.3 |
| 5° | 145.9 | 146.5 | 145.9 | 143.2 | 139.8 | 135.8 | 131.8 | 127.0 | 122.3 | 118.3 | 115.6 |
| 7.5° | 161.3 | 161.3 | 159.3 | 155.9 | 151.2 | 144.5 | 137.8 | 129.7 | 122.3 | 115.6 | 112.3 |
| 10° | 176.1 | 176.1 | 172.8 | 167.4 | 160.0 | 151.2 | 141.8 | 131.1 | 121.0 | 111.6 | 107.6 |
| 12.5° | 194.3 | 193.6 | 189.6 | 180.8 | 170.1 | 157.3 | 144.5 | 131.1 | 119.0 | 107.6 | 102.2 |
| 15° | 209.7 | 209.1 | 203.7 | 192.9 | 178.8 | 162.7 | 145.2 | 129.7 | 114.9 | 102.2 | 96.1 |
| 17.5° | 221.2 | 219.8 | 213.8 | 202.3 | 186.2 | 166.0 | 145.9 | 127.0 | 110.2 | 96.1 | 90.1 |
| 20° | 228.5 | 227.9 | 221.2 | 207.7 | 190.2 | 168.0 | 145.2 | 123.7 | 105.5 | 90.1 | 83.4 |
| 22.5° | 233.3 | 231.9 | 225.2 | 210.4 | 190.2 | 167.4 | 142.5 | 119.0 | 99.5 | 84.0 | 77.3 |
| 25° | 234.6 | 233.9 | 225.9 | 209.7 | 188.2 | 164.0 | 138.5 | 114.3 | 93.4 | 78.0 | 71.3 |
| 26° | 234.6 | 233.9 | 225.9 | 209.1 | 186.9 | 162.0 | 136.5 | 112.3 | 91.4 | 75.3 | 69.2 |
| 27.5° | 233.9 | 233.3 | 224.5 | 207.0 | 184.2 | 158.6 | 132.4 | 108.2 | 87.4 | 71.9 | 65.2 |
| 30° | 229.9 | 228.5 | 219.8 | 202.3 | 178.1 | 151.9 | 125.7 | 102.2 | 81.3 | 65.9 | 59.8 |
| 32.5° | 221.2 | 219.8 | 210.4 | 194.3 | 171.4 | 144.5 | 118.3 | 95.5 | 75.3 | 59.8 | 54.4 |
| 35° | 210.4 | 209.1 | 199.6 | 184.2 | 162.0 | 139.1 | 110.2 | 88.1 | 68.6 | 55.1 | 49.7 |
| 37.5° | 197.0 | 194.9 | 186.9 | 170.7 | 150.6 | 133.1 | 103.5 | 80.7 | 62.5 | 49.7 | 45.0 |
| 40° | 180.1 | 179.5 | 172.1 | 157.3 | 137.1 | 122.3 | 99.5 | 80.7 | 57.1 | 45.0 | 41.0 |
| 42.5° | 164.0 | 162.7 | 155.9 | 143.2 | 125.0 | 106.9 | 87.4 | 77.3 | 53.1 | 40.3 | 37.0 |
| 45° | 147.2 | 145.9 | 139.8 | 129.1 | 112.3 | 94.1 | 94.1 | 66.5 | 45.7 | 37.0 | 33.6 |
| 47.5° | 129.1 | 127.7 | 123.0 | 114.9 | 100.2 | 84.0 | 68.6 | 54.4 | 41.7 | 32.9 | 30.2 |
| 50° | 110.9 | 111.6 | 107.6 | 99.5 | 88.1 | 73.3 | 59.2 | 45.7 | 35.6 | 29.6 | 26.9 |
| 52.5° | 92.8 | 92.1 | 89.4 | 84.0 | 76.0 | 63.2 | 50.4 | 39.0 | 30.9 | 26.2 | 24.9 |
| 55° | 74.6 | 75.3 | 73.9 | 70.6 | 63.9 | 54.4 | 42.3 | 33.6 | 27.6 | 23.5 | 22.2 |
| 57.5° | 61.8 | 62.5 | 59.8 | 57.8 | 52.4 | 44.4 | 35.0 | 28.2 | 23.5 | 20.8 | 19.5 |
| 60° | 51.1 | 51.8 | 49.7 | 47.1 | 43.0 | 35.6 | 28.2 | 23.5 | 20.8 | 18.8 | 17.5 |
| 62.5° | 41.7 | 41.0 | 39.7 | 37.0 | 33.6 | 28.2 | 22.9 | 19.5 | 17.5 | 16.1 | 15.5 |
| 65° | 32.3 | 32.3 | 30.9 | 28.9 | 26.2 | 22.2 | 18.1 | 16.1 | 14.8 | 13.4 | 12.8 |
| 67.5° | 24.2 | 24.2 | 22.9 | 21.5 | 18.8 | 16.1 | 14.1 | 12.8 | 12.1 | 10.8 | 10.1 |
| 70° | 16.8 | 16.8 | 16.1 | 15.5 | 13.4 | 11.4 | 10.8 | 9.4 | 8.7 | 8.1 | 7.4 |
| 72.5° | 10.8 | 10.8 | 10.8 | 9.4 | 8.7 | 7.4 | 7.4 | 6.7 | 6.0 | 5.4 | 5.4 |
| 75° | 5.4 | 6.0 | 5.4 | 5.4 | 4.7 | 4.7 | 4.0 | 4.0 | 3.4 | 3.4 | 2.7 |
| 77.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 80° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 |
| 2.5° | 117.0 | 114.9 | 113.6 | 111.6 | 110.2 | 108.9 | 108.2 | 107.6 | 107.6 | 107.6 |
| 5° | 113.6 | 110.2 | 106.9 | 103.5 | 101.5 | 99.5 | 97.5 | 96.8 | 96.1 | 96.1 |
| 7.5° | 109.6 | 104.2 | 99.5 | 95.5 | 92.1 | 90.1 | 88.1 | 86.7 | 86.0 | 86.0 |
| 10° | 104.2 | 97.5 | 92.1 | 86.7 | 83.4 | 80.7 | 79.3 | 77.3 | 77.3 | 76.6 |
| 12.5° | 98.1 | 90.1 | 84.0 | 79.3 | 76.0 | 72.6 | 70.6 | 69.2 | 68.6 | 68.6 |
| 15° | 91.4 | 83.4 | 76.6 | 71.3 | 67.9 | 64.5 | 62.5 | 61.2 | 60.5 | 60.5 |
| 17.5° | 84.7 | 76.0 | 69.2 | 63.9 | 60.5 | 57.1 | 55.1 | 53.8 | 53.8 | 53.1 |
| 20° | 78.0 | 69.2 | 62.5 | 57.1 | 53.8 | 51.1 | 49.1 | 47.7 | 47.1 | 47.7 |
| 22.5° | 71.9 | 63.2 | 56.5 | 51.8 | 47.7 | 45.0 | 43.0 | 42.3 | 41.7 | 41.7 |
| 25° | 65.2 | 57.1 | 51.1 | 46.4 | 43.0 | 40.3 | 38.3 | 37.6 | 37.0 | 36.3 |
| 26° | 63.2 | 55.1 | 49.1 | 44.4 | 41.0 | 38.3 | 37.0 | 35.6 | 35.0 | 35.0 |
| 27.5° | 60.5 | 51.8 | 46.4 | 41.7 | 38.3 | 36.3 | 34.3 | 33.6 | 32.9 | 32.9 |
| 30° | 54.4 | 47.1 | 41.7 | 37.6 | 35.0 | 32.3 | 30.9 | 30.2 | 29.6 | 29.6 |
| 32.5° | 49.7 | 42.3 | 37.6 | 34.3 | 31.6 | 29.6 | 28.2 | 26.9 | 26.9 | 26.9 |
| 35° | 45.0 | 38.3 | 34.3 | 30.9 | 28.2 | 26.2 | 25.5 | 24.9 | 24.2 | 24.2 |
| 37.5° | 41.0 | 35.0 | 30.9 | 28.2 | 26.2 | 24.2 | 22.9 | 22.2 | 22.2 | 22.2 |
| 40° | 37.0 | 32.3 | 28.2 | 25.5 | 23.5 | 22.2 | 20.8 | 20.2 | 20.2 | 20.2 |
| 42.5° | 33.6 | 28.9 | 26.2 | 23.5 | 21.5 | 20.2 | 19.5 | 18.8 | 18.1 | 18.1 |
| 45° | 30.9 | 26.9 | 23.5 | 21.5 | 20.2 | 18.8 | 17.5 | 16.8 | 16.8 | 16.8 |
| 47.5° | 27.6 | 24.9 | 21.5 | 19.5 | 18.1 | 16.8 | 16.1 | 15.5 | 15.5 | 15.5 |
| 50° | 25.5 | 22.9 | 20.2 | 18.1 | 16.8 | 15.5 | 14.8 | 14.1 | 14.1 | 14.1 |
| 52.5° | 22.9 | 20.8 | 18.8 | 16.8 | 15.5 | 14.1 | 13.4 | 12.8 | 12.8 | 12.8 |
| 55° | 20.8 | 18.8 | 16.8 | 15.5 | 14.1 | 12.8 | 12.1 | 11.4 | 11.4 | 11.4 |
| 57.5° | 18.8 | 16.8 | 15.5 | 14.1 | 12.8 | 12.1 | 10.8 | 10.8 | 10.1 | 10.1 |
| 60° | 16.8 | 14.8 | 13.4 | 12.8 | 11.4 | 10.8 | 9.4 | 8.7 | 8.7 | 8.7 |
| 62.5° | 14.1 | 13.4 | 12.1 | 10.8 | 9.4 | 8.7 | 8.1 | 7.4 | 7.4 | 7.4 |
| 65° | 12.1 | 11.4 | 10.1 | 8.7 | 8.1 | 7.4 | 6.7 | 6.0 | 6.0 | 6.0 |
| 67.5° | 10.1 | 8.7 | 8.1 | 7.4 | 6.7 | 6.0 | 5.4 | 4.7 | 4.0 | 4.7 |
| 70° | 7.4 | 6.7 | 6.0 | 5.4 | 4.7 | 4.0 | 3.4 | 3.4 | 2.7 | 2.7 |
| 72.5° | 4.7 | 4.0 | 4.0 | 3.4 | 2.7 | 2.7 | 2.0 | 2.0 | 1.3 | 1.3 |
| 75° | 2.7 | 2.7 | 2.0 | 2.0 | 1.3 | 1.3 | 0.7 | 0.7 | 0.7 | 0.7 |
| 77.5° | 1.3 | 0.7 | 0.7 | 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)