

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: P1446799

Luminaire Tested: P3ART05R709740DE010 E3LSWW1B

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446799
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: P3ART05R709740DE010 E3LSWW1B
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3LSWW1B TRIM
Light Source: -
Ballast/Driver: -

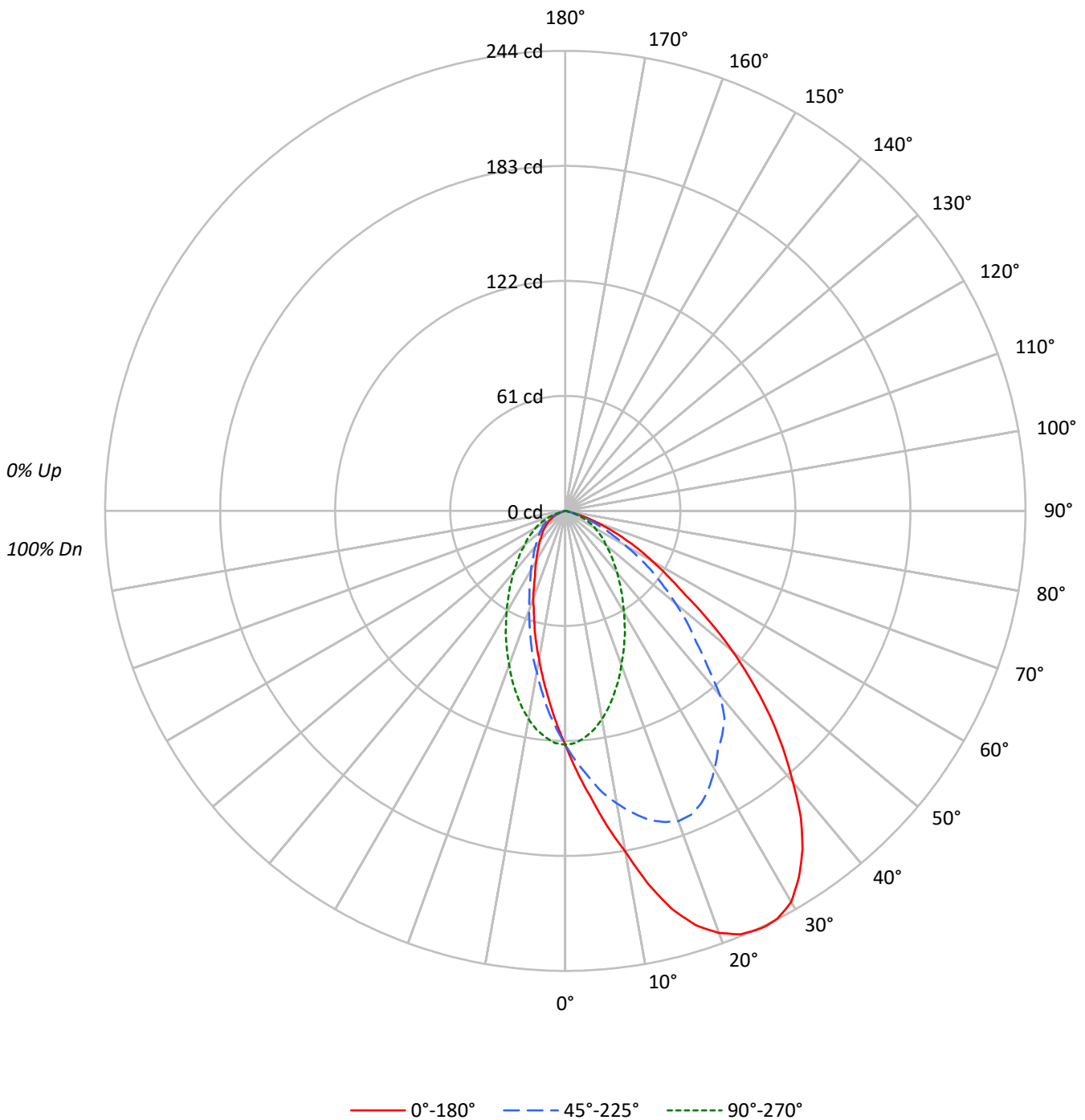
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 247.0 lumens
Efficiency: N/A
Efficacy: 34.3 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: P1446799
CATALOG NUMBER: P3ART05R709740DE010 E3LSWW1B

Luminous Intensity Polar Plot





TEST NUMBER: P1446799
 CATALOG NUMBER: P3ART05R709740DE010 E3LSWW1B

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 27191 | 27191 | 27191 | 27191 | 27191 |
| 5° | 33458 | 31147 | 26524 | 23289 | 22056 |
| 10° | 40859 | 35092 | 24961 | 19349 | 17791 |
| 15° | 49626 | 38479 | 22747 | 16073 | 14325 |
| 20° | 55585 | 40860 | 20278 | 13068 | 11598 |
| 25° | 59157 | 41349 | 17977 | 10839 | 9146 |
| 30° | 60668 | 40082 | 15775 | 9217 | 7799 |
| 35° | 58705 | 38815 | 13866 | 7870 | 6746 |
| 40° | 53729 | 36497 | 12223 | 7013 | 6011 |
| 45° | 47571 | 30422 | 10854 | 6512 | 5427 |
| 50° | 39436 | 26063 | 9552 | 5970 | 5015 |
| 55° | 29743 | 21677 | 8831 | 5620 | 4549 |
| 60° | 23331 | 16271 | 7982 | 5219 | 3991 |
| 65° | 17434 | 11986 | 6901 | 4358 | 3269 |
| 70° | 11220 | 7629 | 4937 | 3142 | 1795 |
| 75° | 4745 | 4151 | 2372 | 1186 | 593 |
| 80° | 884 | 884 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 47571 cd/sqm



TEST NUMBER: P1446799

CATALOG NUMBER: P3ART05R709740DE010 E3LSWW1B

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 11.8 | 4.8 |
| 10°-20° | 33.9 | 13.7 |
| 20°-30° | 49.5 | 20.0 |
| 30°-40° | 53.9 | 21.8 |
| 40°-50° | 46.7 | 18.9 |
| 50°-60° | 31.3 | 12.7 |
| 60°-70° | 16.1 | 6.5 |
| 70°-80° | 3.8 | 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° | 95.1 | 38.5 |
| 0°-40° | 149.0 | 60.4 |
| 0°-60° | 227.0 | 91.9 |
| 0°-90° | 247.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 247.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 124 | 124 | 124 | 124 | 124 | |
| 5° | 152 | 142 | 120 | 106 | 100 | 15 |
| 15° | 219 | 170 | 100 | 71 | 63 | 62 |
| 25° | 244 | 171 | 74 | 45 | 38 | 112 |
| 35° | 219 | 145 | 52 | 29 | 25 | 136 |
| 45° | 153 | 98 | 35 | 21 | 18 | 117 |
| 55° | 78 | 57 | 23 | 15 | 12 | 72 |
| 65° | 34 | 23 | 13 | 8 | 6 | 34 |
| 75° | 6 | 5 | 3 | 1 | 1 | 7 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446799
 CATALOG NUMBER: P3ART05R709740DE010 E3LSWW1B

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 |
| 2.5° | 138.0 | 137.3 | 137.3 | 135.9 | 134.5 | 133.1 | 131.0 | 128.9 | 126.8 | 124.7 | 123.3 |
| 5° | 152.0 | 152.7 | 152.0 | 149.2 | 145.7 | 141.5 | 137.3 | 132.4 | 127.5 | 123.3 | 120.5 |
| 7.5° | 168.1 | 168.1 | 166.0 | 162.5 | 157.6 | 150.6 | 143.6 | 135.2 | 127.5 | 120.5 | 117.0 |
| 10° | 183.5 | 183.5 | 180.0 | 174.4 | 166.7 | 157.6 | 147.8 | 136.6 | 126.1 | 116.3 | 112.1 |
| 12.5° | 202.5 | 201.8 | 197.6 | 188.4 | 177.2 | 163.9 | 150.6 | 136.6 | 124.0 | 112.1 | 106.5 |
| 15° | 218.6 | 217.9 | 212.3 | 201.1 | 186.3 | 169.5 | 151.3 | 135.2 | 119.8 | 106.5 | 100.2 |
| 17.5° | 230.5 | 229.1 | 222.8 | 210.9 | 194.1 | 173.0 | 152.0 | 132.4 | 114.9 | 100.2 | 93.9 |
| 20° | 238.2 | 237.5 | 230.5 | 216.5 | 198.3 | 175.1 | 151.3 | 128.9 | 110.0 | 93.9 | 86.9 |
| 22.5° | 243.1 | 241.7 | 234.7 | 219.3 | 198.3 | 174.4 | 148.5 | 124.0 | 103.7 | 87.6 | 80.6 |
| 25° | 244.5 | 243.8 | 235.4 | 218.6 | 196.2 | 170.9 | 144.3 | 119.1 | 97.4 | 81.3 | 74.3 |
| 26° | 244.5 | 243.8 | 235.4 | 217.9 | 194.8 | 168.8 | 142.2 | 117.0 | 95.3 | 78.5 | 72.2 |
| 27.5° | 243.8 | 243.1 | 234.0 | 215.8 | 192.0 | 165.3 | 138.0 | 112.8 | 91.1 | 75.0 | 68.0 |
| 30° | 239.6 | 238.2 | 229.1 | 210.9 | 185.6 | 158.3 | 131.0 | 106.5 | 84.8 | 68.7 | 62.3 |
| 32.5° | 230.5 | 229.1 | 219.3 | 202.5 | 178.6 | 150.6 | 123.3 | 99.5 | 78.5 | 62.3 | 56.7 |
| 35° | 219.3 | 217.9 | 208.1 | 192.0 | 168.8 | 145.0 | 114.9 | 91.8 | 71.5 | 57.4 | 51.8 |
| 37.5° | 205.3 | 203.2 | 194.8 | 177.9 | 156.9 | 138.7 | 107.9 | 84.1 | 65.2 | 51.8 | 46.9 |
| 40° | 187.7 | 187.0 | 179.3 | 163.9 | 142.9 | 127.5 | 103.7 | 84.1 | 59.5 | 46.9 | 42.7 |
| 42.5° | 170.9 | 169.5 | 162.5 | 149.2 | 130.3 | 111.4 | 91.1 | 80.6 | 55.3 | 42.0 | 38.5 |
| 45° | 153.4 | 152.0 | 145.7 | 134.5 | 117.0 | 98.1 | 98.1 | 69.4 | 47.6 | 38.5 | 35.0 |
| 47.5° | 134.5 | 133.1 | 128.2 | 119.8 | 104.4 | 87.6 | 71.5 | 56.7 | 43.4 | 34.3 | 31.5 |
| 50° | 115.6 | 116.3 | 112.1 | 103.7 | 91.8 | 76.4 | 61.6 | 47.6 | 37.1 | 30.8 | 28.0 |
| 52.5° | 96.7 | 96.0 | 93.2 | 87.6 | 79.2 | 65.9 | 52.5 | 40.6 | 32.2 | 27.3 | 25.9 |
| 55° | 77.8 | 78.5 | 77.1 | 73.6 | 66.6 | 56.7 | 44.1 | 35.0 | 28.7 | 24.5 | 23.1 |
| 57.5° | 64.5 | 65.2 | 62.3 | 60.2 | 54.6 | 46.2 | 36.4 | 29.4 | 24.5 | 21.7 | 20.3 |
| 60° | 53.2 | 53.9 | 51.8 | 49.0 | 44.8 | 37.1 | 29.4 | 24.5 | 21.7 | 19.6 | 18.2 |
| 62.5° | 43.4 | 42.7 | 41.3 | 38.5 | 35.0 | 29.4 | 23.8 | 20.3 | 18.2 | 16.8 | 16.1 |
| 65° | 33.6 | 33.6 | 32.2 | 30.1 | 27.3 | 23.1 | 18.9 | 16.8 | 15.4 | 14.0 | 13.3 |
| 67.5° | 25.2 | 25.2 | 23.8 | 22.4 | 19.6 | 16.8 | 14.7 | 13.3 | 12.6 | 11.2 | 10.5 |
| 70° | 17.5 | 17.5 | 16.8 | 16.1 | 14.0 | 11.9 | 11.2 | 9.8 | 9.1 | 8.4 | 7.7 |
| 72.5° | 11.2 | 11.2 | 11.2 | 9.8 | 9.1 | 7.7 | 7.7 | 7.0 | 6.3 | 5.6 | 5.6 |
| 75° | 5.6 | 6.3 | 5.6 | 5.6 | 4.9 | 4.9 | 4.2 | 4.2 | 3.5 | 3.5 | 2.8 |
| 77.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 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 |



TEST NUMBER: P1446799
 CATALOG NUMBER: P3ART05R709740DE010 E3LSWW1B

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 |
| 2.5° | 121.9 | 119.8 | 118.4 | 116.3 | 114.9 | 113.5 | 112.8 | 112.1 | 112.1 | 112.1 |
| 5° | 118.4 | 114.9 | 111.4 | 107.9 | 105.8 | 103.7 | 101.6 | 100.9 | 100.2 | 100.2 |
| 7.5° | 114.2 | 108.6 | 103.7 | 99.5 | 96.0 | 93.9 | 91.8 | 90.4 | 89.7 | 89.7 |
| 10° | 108.6 | 101.6 | 96.0 | 90.4 | 86.9 | 84.1 | 82.7 | 80.6 | 80.6 | 79.9 |
| 12.5° | 102.3 | 93.9 | 87.6 | 82.7 | 79.2 | 75.7 | 73.6 | 72.2 | 71.5 | 71.5 |
| 15° | 95.3 | 86.9 | 79.9 | 74.3 | 70.8 | 67.3 | 65.2 | 63.8 | 63.1 | 63.1 |
| 17.5° | 88.3 | 79.2 | 72.2 | 66.6 | 63.1 | 59.5 | 57.4 | 56.0 | 56.0 | 55.3 |
| 20° | 81.3 | 72.2 | 65.2 | 59.5 | 56.0 | 53.2 | 51.1 | 49.7 | 49.0 | 49.7 |
| 22.5° | 75.0 | 65.9 | 58.8 | 53.9 | 49.7 | 46.9 | 44.8 | 44.1 | 43.4 | 43.4 |
| 25° | 68.0 | 59.5 | 53.2 | 48.3 | 44.8 | 42.0 | 39.9 | 39.2 | 38.5 | 37.8 |
| 26° | 65.9 | 57.4 | 51.1 | 46.2 | 42.7 | 39.9 | 38.5 | 37.1 | 36.4 | 36.4 |
| 27.5° | 63.1 | 53.9 | 48.3 | 43.4 | 39.9 | 37.8 | 35.7 | 35.0 | 34.3 | 34.3 |
| 30° | 56.7 | 49.0 | 43.4 | 39.2 | 36.4 | 33.6 | 32.2 | 31.5 | 30.8 | 30.8 |
| 32.5° | 51.8 | 44.1 | 39.2 | 35.7 | 32.9 | 30.8 | 29.4 | 28.0 | 28.0 | 28.0 |
| 35° | 46.9 | 39.9 | 35.7 | 32.2 | 29.4 | 27.3 | 26.6 | 25.9 | 25.2 | 25.2 |
| 37.5° | 42.7 | 36.4 | 32.2 | 29.4 | 27.3 | 25.2 | 23.8 | 23.1 | 23.1 | 23.1 |
| 40° | 38.5 | 33.6 | 29.4 | 26.6 | 24.5 | 23.1 | 21.7 | 21.0 | 21.0 | 21.0 |
| 42.5° | 35.0 | 30.1 | 27.3 | 24.5 | 22.4 | 21.0 | 20.3 | 19.6 | 18.9 | 18.9 |
| 45° | 32.2 | 28.0 | 24.5 | 22.4 | 21.0 | 19.6 | 18.2 | 17.5 | 17.5 | 17.5 |
| 47.5° | 28.7 | 25.9 | 22.4 | 20.3 | 18.9 | 17.5 | 16.8 | 16.1 | 16.1 | 16.1 |
| 50° | 26.6 | 23.8 | 21.0 | 18.9 | 17.5 | 16.1 | 15.4 | 14.7 | 14.7 | 14.7 |
| 52.5° | 23.8 | 21.7 | 19.6 | 17.5 | 16.1 | 14.7 | 14.0 | 13.3 | 13.3 | 13.3 |
| 55° | 21.7 | 19.6 | 17.5 | 16.1 | 14.7 | 13.3 | 12.6 | 11.9 | 11.9 | 11.9 |
| 57.5° | 19.6 | 17.5 | 16.1 | 14.7 | 13.3 | 12.6 | 11.2 | 11.2 | 10.5 | 10.5 |
| 60° | 17.5 | 15.4 | 14.0 | 13.3 | 11.9 | 11.2 | 9.8 | 9.1 | 9.1 | 9.1 |
| 62.5° | 14.7 | 14.0 | 12.6 | 11.2 | 9.8 | 9.1 | 8.4 | 7.7 | 7.7 | 7.7 |
| 65° | 12.6 | 11.9 | 10.5 | 9.1 | 8.4 | 7.7 | 7.0 | 6.3 | 6.3 | 6.3 |
| 67.5° | 10.5 | 9.1 | 8.4 | 7.7 | 7.0 | 6.3 | 5.6 | 4.9 | 4.2 | 4.9 |
| 70° | 7.7 | 7.0 | 6.3 | 5.6 | 4.9 | 4.2 | 3.5 | 3.5 | 2.8 | 2.8 |
| 72.5° | 4.9 | 4.2 | 4.2 | 3.5 | 2.8 | 2.8 | 2.1 | 2.1 | 1.4 | 1.4 |
| 75° | 2.8 | 2.8 | 2.1 | 2.1 | 1.4 | 1.4 | 0.7 | 0.7 | 0.7 | 0.7 |
| 77.5° | 1.4 | 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)