

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: P#

Luminaire Tested: P3ART09R70W2N902750DE010 E3LSWW1MW_3500K

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
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: P3ART09R70W2N902750DE010 E3LSWW1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3500K CCT AND, 90CRI ,
E3LSWW1MW TRIM
Light Source: -
Ballast/Driver: -

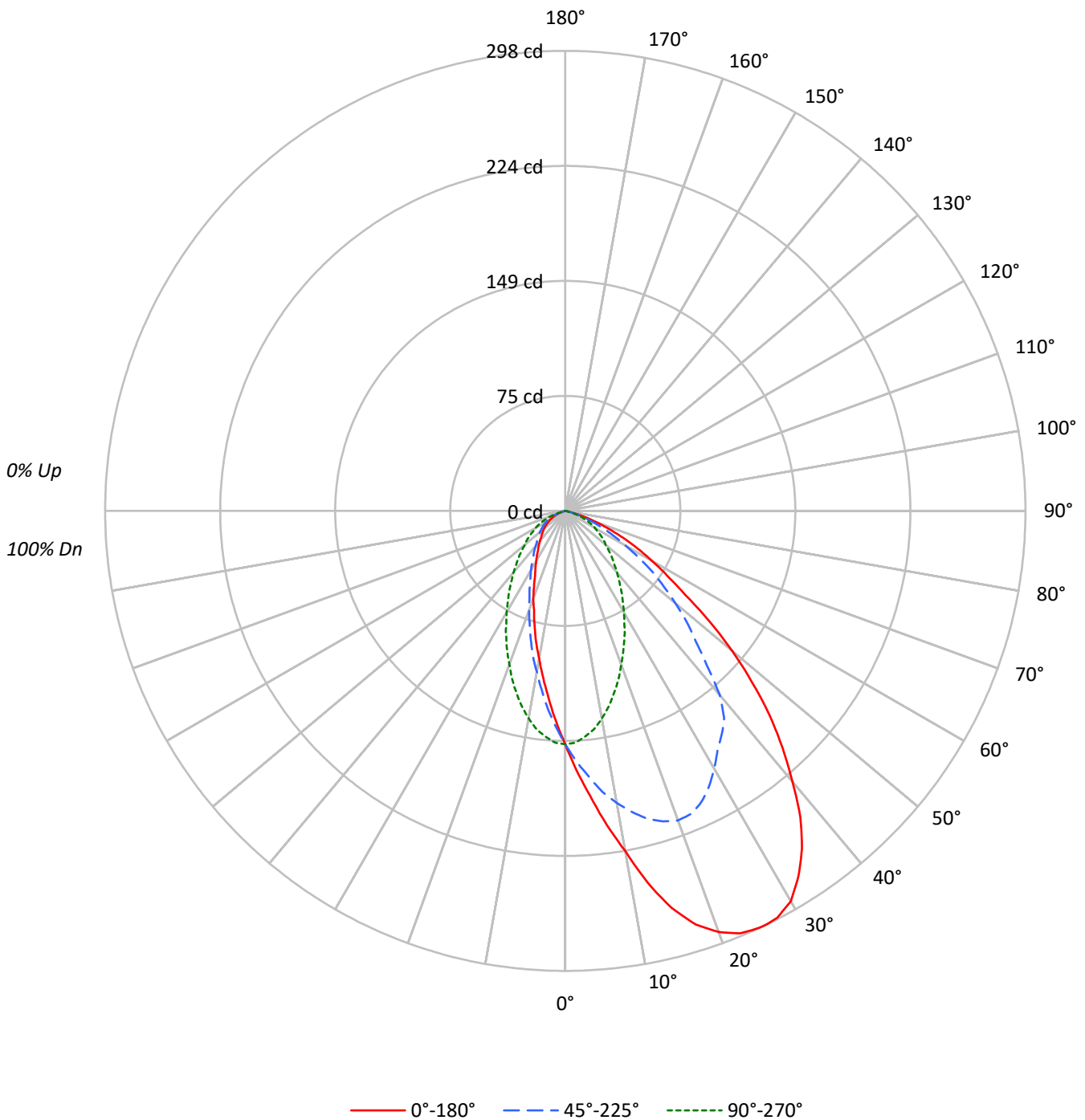
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 301.0 lumens
Efficiency: N/A
Efficacy: 33.4 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): 9
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: P#
CATALOG NUMBER: P3ART09R70W2N902750DE010 E3LSWW1MW_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART09R70W2N902750DE010 E3LSWW1MW_3500K

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° | 33133 | 33133 | 33133 | 33133 | 33133 |
| 5° | 40788 | 37970 | 32313 | 28373 | 26876 |
| 10° | 49810 | 42774 | 30416 | 23580 | 21665 |
| 15° | 60477 | 46902 | 27719 | 19569 | 17435 |
| 20° | 67743 | 49798 | 24712 | 15938 | 14141 |
| 25° | 72077 | 50398 | 21896 | 13210 | 11154 |
| 30° | 73935 | 48843 | 19243 | 11242 | 9520 |
| 35° | 71527 | 47301 | 16918 | 9610 | 8218 |
| 40° | 65494 | 44483 | 14914 | 8559 | 7328 |
| 45° | 57991 | 37058 | 13242 | 7939 | 6605 |
| 50° | 48067 | 31760 | 11633 | 7266 | 6106 |
| 55° | 36242 | 26455 | 10781 | 6843 | 5543 |
| 60° | 28463 | 19823 | 9736 | 6359 | 4868 |
| 65° | 21273 | 14632 | 8406 | 5292 | 3995 |
| 70° | 13656 | 9296 | 6027 | 3847 | 2180 |
| 75° | 5761 | 5083 | 2881 | 1440 | 763 |
| 80° | 1137 | 1137 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 57991 cd/sqm



TEST NUMBER: P#

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 14.3 | 4.8 |
| 10°-20° | 41.3 | 13.7 |
| 20°-30° | 60.3 | 20.0 |
| 30°-40° | 65.7 | 21.8 |
| 40°-50° | 56.9 | 18.9 |
| 50°-60° | 38.1 | 12.7 |
| 60°-70° | 19.7 | 6.5 |
| 70°-80° | 4.7 | 1.6 |
| 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° | 115.9 | 38.5 |
| 0°-40° | 181.6 | 60.3 |
| 0°-60° | 276.6 | 91.9 |
| 0°-90° | 301.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 301.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 151 | 151 | 151 | 151 | 151 | |
| 5° | 185 | 172 | 147 | 129 | 122 | 19 |
| 15° | 266 | 207 | 122 | 86 | 77 | 75 |
| 25° | 298 | 208 | 90 | 55 | 46 | 137 |
| 35° | 267 | 177 | 63 | 36 | 31 | 165 |
| 45° | 187 | 120 | 43 | 26 | 21 | 143 |
| 55° | 95 | 69 | 28 | 18 | 14 | 88 |
| 65° | 41 | 28 | 16 | 10 | 8 | 41 |
| 75° | 7 | 6 | 3 | 2 | 1 | 9 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART09R70W2N902750DE010 E3LSWW1MW_3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 151.1 | 151.1 | 151.1 | 151.1 | 151.1 | 151.1 | 151.1 | 151.1 | 151.1 | 151.1 | 151.1 |
| 2.5° | 168.2 | 167.3 | 167.3 | 165.6 | 163.9 | 162.2 | 159.6 | 157.1 | 154.5 | 152.0 | 150.3 |
| 5° | 185.3 | 186.1 | 185.3 | 181.8 | 177.6 | 172.5 | 167.3 | 161.4 | 155.4 | 150.3 | 146.8 |
| 7.5° | 204.9 | 204.9 | 202.3 | 198.1 | 192.1 | 183.5 | 175.0 | 164.8 | 155.4 | 146.8 | 142.6 |
| 10° | 223.7 | 223.7 | 219.4 | 212.6 | 203.2 | 192.1 | 180.1 | 166.5 | 153.7 | 141.7 | 136.6 |
| 12.5° | 246.7 | 245.9 | 240.7 | 229.6 | 216.0 | 199.8 | 183.5 | 166.5 | 151.1 | 136.6 | 129.8 |
| 15° | 266.4 | 265.5 | 258.7 | 245.0 | 227.1 | 206.6 | 184.4 | 164.8 | 146.0 | 129.8 | 122.1 |
| 17.5° | 280.9 | 279.2 | 271.5 | 257.0 | 236.5 | 210.9 | 185.3 | 161.4 | 140.0 | 122.1 | 114.4 |
| 20° | 290.3 | 289.4 | 280.9 | 263.8 | 241.6 | 213.4 | 184.4 | 157.1 | 134.0 | 114.4 | 105.9 |
| 22.5° | 296.2 | 294.5 | 286.0 | 267.2 | 241.6 | 212.6 | 181.0 | 151.1 | 126.3 | 106.7 | 98.2 |
| 25° | 297.9 | 297.1 | 286.8 | 266.4 | 239.0 | 208.3 | 175.9 | 145.1 | 118.7 | 99.0 | 90.5 |
| 26° | 297.9 | 297.1 | 286.8 | 265.5 | 237.3 | 205.7 | 173.3 | 142.6 | 116.1 | 95.6 | 87.9 |
| 27.5° | 297.1 | 296.2 | 285.1 | 262.9 | 233.9 | 201.5 | 168.2 | 137.4 | 111.0 | 91.3 | 82.8 |
| 30° | 292.0 | 290.3 | 279.2 | 257.0 | 226.2 | 192.9 | 159.6 | 129.8 | 103.3 | 83.7 | 76.0 |
| 32.5° | 280.9 | 279.2 | 267.2 | 246.7 | 217.7 | 183.5 | 150.3 | 121.2 | 95.6 | 76.0 | 69.2 |
| 35° | 267.2 | 265.5 | 253.6 | 233.9 | 205.7 | 176.7 | 140.0 | 111.8 | 87.1 | 70.0 | 63.2 |
| 37.5° | 250.1 | 247.6 | 237.3 | 216.8 | 191.2 | 169.0 | 131.5 | 102.4 | 79.4 | 63.2 | 57.2 |
| 40° | 228.8 | 227.9 | 218.6 | 199.8 | 174.2 | 155.4 | 126.3 | 102.4 | 72.6 | 57.2 | 52.1 |
| 42.5° | 208.3 | 206.6 | 198.1 | 181.8 | 158.8 | 135.7 | 111.0 | 98.2 | 67.4 | 51.2 | 47.0 |
| 45° | 187.0 | 185.3 | 177.6 | 163.9 | 142.6 | 119.5 | 119.5 | 84.5 | 58.1 | 47.0 | 42.7 |
| 47.5° | 163.9 | 162.2 | 156.2 | 146.0 | 127.2 | 106.7 | 87.1 | 69.2 | 52.9 | 41.8 | 38.4 |
| 50° | 140.9 | 141.7 | 136.6 | 126.3 | 111.8 | 93.1 | 75.1 | 58.1 | 45.2 | 37.6 | 34.1 |
| 52.5° | 117.8 | 117.0 | 113.5 | 106.7 | 96.5 | 80.2 | 64.0 | 49.5 | 39.3 | 33.3 | 31.6 |
| 55° | 94.8 | 95.6 | 93.9 | 89.6 | 81.1 | 69.2 | 53.8 | 42.7 | 35.0 | 29.9 | 28.2 |
| 57.5° | 78.5 | 79.4 | 76.0 | 73.4 | 66.6 | 56.3 | 44.4 | 35.9 | 29.9 | 26.5 | 24.8 |
| 60° | 64.9 | 65.7 | 63.2 | 59.8 | 54.6 | 45.2 | 35.9 | 29.9 | 26.5 | 23.9 | 22.2 |
| 62.5° | 52.9 | 52.1 | 50.4 | 47.0 | 42.7 | 35.9 | 29.0 | 24.8 | 22.2 | 20.5 | 19.6 |
| 65° | 41.0 | 41.0 | 39.3 | 36.7 | 33.3 | 28.2 | 23.1 | 20.5 | 18.8 | 17.1 | 16.2 |
| 67.5° | 30.7 | 30.7 | 29.0 | 27.3 | 23.9 | 20.5 | 17.9 | 16.2 | 15.4 | 13.7 | 12.8 |
| 70° | 21.3 | 21.3 | 20.5 | 19.6 | 17.1 | 14.5 | 13.7 | 12.0 | 11.1 | 10.2 | 9.4 |
| 72.5° | 13.7 | 13.7 | 13.7 | 12.0 | 11.1 | 9.4 | 9.4 | 8.5 | 7.7 | 6.8 | 6.8 |
| 75° | 6.8 | 7.7 | 6.8 | 6.8 | 6.0 | 6.0 | 5.1 | 5.1 | 4.3 | 4.3 | 3.4 |
| 77.5° | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 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: P#
 CATALOG NUMBER: P3ART09R70W2N902750DE010 E3LSWW1MW_3500K

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 151.1 | 151.1 | 151.1 | 151.1 | 151.1 | 151.1 | 151.1 | 151.1 | 151.1 | 151.1 |
| 2.5° | 148.5 | 146.0 | 144.3 | 141.7 | 140.0 | 138.3 | 137.4 | 136.6 | 136.6 | 136.6 |
| 5° | 144.3 | 140.0 | 135.7 | 131.5 | 128.9 | 126.3 | 123.8 | 122.9 | 122.1 | 122.1 |
| 7.5° | 139.2 | 132.3 | 126.3 | 121.2 | 117.0 | 114.4 | 111.8 | 110.1 | 109.3 | 109.3 |
| 10° | 132.3 | 123.8 | 117.0 | 110.1 | 105.9 | 102.4 | 100.7 | 98.2 | 98.2 | 97.3 |
| 12.5° | 124.6 | 114.4 | 106.7 | 100.7 | 96.5 | 92.2 | 89.6 | 87.9 | 87.1 | 87.1 |
| 15° | 116.1 | 105.9 | 97.3 | 90.5 | 86.2 | 82.0 | 79.4 | 77.7 | 76.8 | 76.8 |
| 17.5° | 107.6 | 96.5 | 87.9 | 81.1 | 76.8 | 72.6 | 70.0 | 68.3 | 68.3 | 67.4 |
| 20° | 99.0 | 87.9 | 79.4 | 72.6 | 68.3 | 64.9 | 62.3 | 60.6 | 59.8 | 60.6 |
| 22.5° | 91.3 | 80.2 | 71.7 | 65.7 | 60.6 | 57.2 | 54.6 | 53.8 | 52.9 | 52.9 |
| 25° | 82.8 | 72.6 | 64.9 | 58.9 | 54.6 | 51.2 | 48.7 | 47.8 | 47.0 | 46.1 |
| 26° | 80.2 | 70.0 | 62.3 | 56.3 | 52.1 | 48.7 | 47.0 | 45.2 | 44.4 | 44.4 |
| 27.5° | 76.8 | 65.7 | 58.9 | 52.9 | 48.7 | 46.1 | 43.5 | 42.7 | 41.8 | 41.8 |
| 30° | 69.2 | 59.8 | 52.9 | 47.8 | 44.4 | 41.0 | 39.3 | 38.4 | 37.6 | 37.6 |
| 32.5° | 63.2 | 53.8 | 47.8 | 43.5 | 40.1 | 37.6 | 35.9 | 34.1 | 34.1 | 34.1 |
| 35° | 57.2 | 48.7 | 43.5 | 39.3 | 35.9 | 33.3 | 32.4 | 31.6 | 30.7 | 30.7 |
| 37.5° | 52.1 | 44.4 | 39.3 | 35.9 | 33.3 | 30.7 | 29.0 | 28.2 | 28.2 | 28.2 |
| 40° | 47.0 | 41.0 | 35.9 | 32.4 | 29.9 | 28.2 | 26.5 | 25.6 | 25.6 | 25.6 |
| 42.5° | 42.7 | 36.7 | 33.3 | 29.9 | 27.3 | 25.6 | 24.8 | 23.9 | 23.1 | 23.1 |
| 45° | 39.3 | 34.1 | 29.9 | 27.3 | 25.6 | 23.9 | 22.2 | 21.3 | 21.3 | 21.3 |
| 47.5° | 35.0 | 31.6 | 27.3 | 24.8 | 23.1 | 21.3 | 20.5 | 19.6 | 19.6 | 19.6 |
| 50° | 32.4 | 29.0 | 25.6 | 23.1 | 21.3 | 19.6 | 18.8 | 17.9 | 17.9 | 17.9 |
| 52.5° | 29.0 | 26.5 | 23.9 | 21.3 | 19.6 | 17.9 | 17.1 | 16.2 | 16.2 | 16.2 |
| 55° | 26.5 | 23.9 | 21.3 | 19.6 | 17.9 | 16.2 | 15.4 | 14.5 | 14.5 | 14.5 |
| 57.5° | 23.9 | 21.3 | 19.6 | 17.9 | 16.2 | 15.4 | 13.7 | 13.7 | 12.8 | 12.8 |
| 60° | 21.3 | 18.8 | 17.1 | 16.2 | 14.5 | 13.7 | 12.0 | 11.1 | 11.1 | 11.1 |
| 62.5° | 17.9 | 17.1 | 15.4 | 13.7 | 12.0 | 11.1 | 10.2 | 9.4 | 9.4 | 9.4 |
| 65° | 15.4 | 14.5 | 12.8 | 11.1 | 10.2 | 9.4 | 8.5 | 7.7 | 7.7 | 7.7 |
| 67.5° | 12.8 | 11.1 | 10.2 | 9.4 | 8.5 | 7.7 | 6.8 | 6.0 | 5.1 | 6.0 |
| 70° | 9.4 | 8.5 | 7.7 | 6.8 | 6.0 | 5.1 | 4.3 | 4.3 | 3.4 | 3.4 |
| 72.5° | 6.0 | 5.1 | 5.1 | 4.3 | 3.4 | 3.4 | 2.6 | 2.6 | 1.7 | 1.7 |
| 75° | 3.4 | 3.4 | 2.6 | 2.6 | 1.7 | 1.7 | 0.9 | 0.9 | 0.9 | 0.9 |
| 77.5° | 1.7 | 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)