

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: P3ART09R70W2N902765DE010 E3LSWW1H_5000K

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: P3ART09R70W2N902765DE010 E3LSWW1H_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
E3LSWW1H TRIM
Light Source: -
Ballast/Driver: -

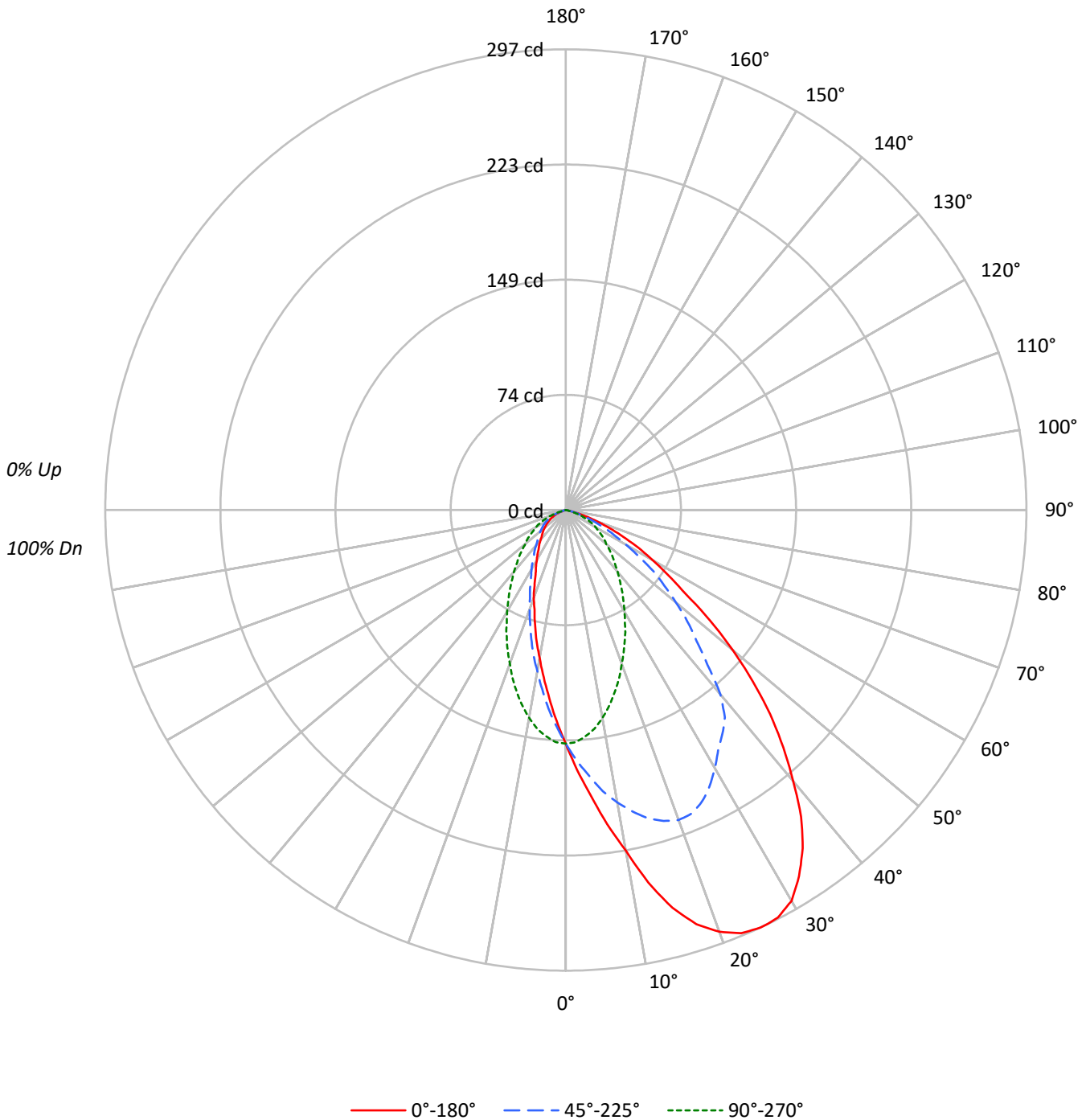
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 300.0 lumens
Efficiency: N/A
Efficacy: 33.3 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): 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: P3ART09R70W2N902765DE010 E3LSWW1H_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART09R70W2N902765DE010 E3LSWW1H_5000K

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° | 33024 | 33024 | 33024 | 33024 | 33024 |
| 5° | 40634 | 37838 | 32225 | 28285 | 26788 |
| 10° | 49632 | 42618 | 30304 | 23491 | 21598 |
| 15° | 60273 | 46743 | 27628 | 19501 | 17389 |
| 20° | 67509 | 49634 | 24619 | 15891 | 14095 |
| 25° | 71859 | 50229 | 21824 | 13186 | 11105 |
| 30° | 73682 | 48691 | 19168 | 11192 | 9470 |
| 35° | 71286 | 47141 | 16865 | 9557 | 8191 |
| 40° | 65265 | 44340 | 14856 | 8530 | 7299 |
| 45° | 57773 | 36934 | 13180 | 7908 | 6605 |
| 50° | 47896 | 31624 | 11599 | 7266 | 6106 |
| 55° | 36090 | 26341 | 10743 | 6843 | 5543 |
| 60° | 28375 | 19779 | 9692 | 6359 | 4868 |
| 65° | 21170 | 14580 | 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: 57773 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 14.3 | 4.8 |
| 10°-20° | 41.1 | 13.7 |
| 20°-30° | 60.1 | 20.0 |
| 30°-40° | 65.5 | 21.8 |
| 40°-50° | 56.7 | 18.9 |
| 50°-60° | 38.0 | 12.7 |
| 60°-70° | 19.6 | 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° | 115.5 | 38.5 |
| 0°-40° | 181.0 | 60.3 |
| 0°-60° | 275.7 | 91.9 |
| 0°-90° | 300.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 300.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 151 | 151 | 151 | 151 | 151 | |
| 5° | 185 | 172 | 146 | 128 | 122 | 19 |
| 15° | 266 | 206 | 122 | 86 | 77 | 75 |
| 25° | 297 | 208 | 90 | 54 | 46 | 136 |
| 35° | 266 | 176 | 63 | 36 | 31 | 165 |
| 45° | 186 | 119 | 42 | 26 | 21 | 143 |
| 55° | 94 | 69 | 28 | 18 | 14 | 87 |
| 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: P3ART09R70W2N902765DE010 E3LSWW1H_5000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 |
| 2.5° | 167.6 | 166.8 | 166.8 | 165.1 | 163.4 | 161.7 | 159.1 | 156.6 | 154.0 | 151.5 | 149.8 |
| 5° | 184.6 | 185.5 | 184.6 | 181.2 | 177.0 | 171.9 | 166.8 | 160.8 | 154.9 | 149.8 | 146.4 |
| 7.5° | 204.2 | 204.2 | 201.7 | 197.4 | 191.4 | 182.9 | 174.4 | 164.2 | 154.9 | 146.4 | 142.1 |
| 10° | 222.9 | 222.9 | 218.7 | 211.9 | 202.5 | 191.4 | 179.5 | 165.9 | 153.2 | 141.2 | 136.1 |
| 12.5° | 245.9 | 245.1 | 239.9 | 228.9 | 215.3 | 199.1 | 182.9 | 165.9 | 150.6 | 136.1 | 129.3 |
| 15° | 265.5 | 264.6 | 257.8 | 244.2 | 226.3 | 205.9 | 183.8 | 164.2 | 145.5 | 129.3 | 121.7 |
| 17.5° | 279.9 | 278.2 | 270.6 | 256.1 | 235.7 | 210.2 | 184.6 | 160.8 | 139.5 | 121.7 | 114.0 |
| 20° | 289.3 | 288.4 | 279.9 | 262.9 | 240.8 | 212.7 | 183.8 | 156.6 | 133.6 | 114.0 | 105.5 |
| 22.5° | 295.3 | 293.6 | 285.0 | 266.3 | 240.8 | 211.9 | 180.4 | 150.6 | 125.9 | 106.4 | 97.9 |
| 25° | 297.0 | 296.1 | 285.9 | 265.5 | 238.2 | 207.6 | 175.3 | 144.6 | 118.3 | 98.7 | 90.2 |
| 26° | 297.0 | 296.1 | 285.9 | 264.6 | 236.5 | 205.1 | 172.7 | 142.1 | 115.7 | 95.3 | 87.6 |
| 27.5° | 296.1 | 295.3 | 284.2 | 262.1 | 233.1 | 200.8 | 167.6 | 137.0 | 110.6 | 91.0 | 82.5 |
| 30° | 291.0 | 289.3 | 278.2 | 256.1 | 225.5 | 192.3 | 159.1 | 129.3 | 103.0 | 83.4 | 75.7 |
| 32.5° | 279.9 | 278.2 | 266.3 | 245.9 | 217.0 | 182.9 | 149.8 | 120.8 | 95.3 | 75.7 | 68.9 |
| 35° | 266.3 | 264.6 | 252.7 | 233.1 | 205.1 | 176.1 | 139.5 | 111.5 | 86.8 | 69.8 | 63.0 |
| 37.5° | 249.3 | 246.8 | 236.5 | 216.1 | 190.6 | 168.5 | 131.0 | 102.1 | 79.1 | 63.0 | 57.0 |
| 40° | 228.0 | 227.2 | 217.8 | 199.1 | 173.6 | 154.9 | 125.9 | 102.1 | 72.3 | 57.0 | 51.9 |
| 42.5° | 207.6 | 205.9 | 197.4 | 181.2 | 158.3 | 135.3 | 110.6 | 97.9 | 67.2 | 51.1 | 46.8 |
| 45° | 186.3 | 184.6 | 177.0 | 163.4 | 142.1 | 119.1 | 119.1 | 84.2 | 57.9 | 46.8 | 42.5 |
| 47.5° | 163.4 | 161.7 | 155.7 | 145.5 | 126.8 | 106.4 | 86.8 | 68.9 | 52.8 | 41.7 | 38.3 |
| 50° | 140.4 | 141.2 | 136.1 | 125.9 | 111.5 | 92.7 | 74.9 | 57.9 | 45.1 | 37.4 | 34.0 |
| 52.5° | 117.4 | 116.6 | 113.2 | 106.4 | 96.1 | 80.0 | 63.8 | 49.4 | 39.1 | 33.2 | 31.5 |
| 55° | 94.4 | 95.3 | 93.6 | 89.3 | 80.8 | 68.9 | 53.6 | 42.5 | 34.9 | 29.8 | 28.1 |
| 57.5° | 78.3 | 79.1 | 75.7 | 73.2 | 66.4 | 56.2 | 44.2 | 35.7 | 29.8 | 26.4 | 24.7 |
| 60° | 64.7 | 65.5 | 63.0 | 59.6 | 54.5 | 45.1 | 35.7 | 29.8 | 26.4 | 23.8 | 22.1 |
| 62.5° | 52.8 | 51.9 | 50.2 | 46.8 | 42.5 | 35.7 | 28.9 | 24.7 | 22.1 | 20.4 | 19.6 |
| 65° | 40.8 | 40.8 | 39.1 | 36.6 | 33.2 | 28.1 | 23.0 | 20.4 | 18.7 | 17.0 | 16.2 |
| 67.5° | 30.6 | 30.6 | 28.9 | 27.2 | 23.8 | 20.4 | 17.9 | 16.2 | 15.3 | 13.6 | 12.8 |
| 70° | 21.3 | 21.3 | 20.4 | 19.6 | 17.0 | 14.5 | 13.6 | 11.9 | 11.1 | 10.2 | 9.4 |
| 72.5° | 13.6 | 13.6 | 13.6 | 11.9 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 | 150.6 |
| 2.5° | 148.1 | 145.5 | 143.8 | 141.2 | 139.5 | 137.8 | 137.0 | 136.1 | 136.1 | 136.1 |
| 5° | 143.8 | 139.5 | 135.3 | 131.0 | 128.5 | 125.9 | 123.4 | 122.5 | 121.7 | 121.7 |
| 7.5° | 138.7 | 131.9 | 125.9 | 120.8 | 116.6 | 114.0 | 111.5 | 109.8 | 108.9 | 108.9 |
| 10° | 131.9 | 123.4 | 116.6 | 109.8 | 105.5 | 102.1 | 100.4 | 97.9 | 97.9 | 97.0 |
| 12.5° | 124.2 | 114.0 | 106.4 | 100.4 | 96.1 | 91.9 | 89.3 | 87.6 | 86.8 | 86.8 |
| 15° | 115.7 | 105.5 | 97.0 | 90.2 | 85.9 | 81.7 | 79.1 | 77.4 | 76.6 | 76.6 |
| 17.5° | 107.2 | 96.1 | 87.6 | 80.8 | 76.6 | 72.3 | 69.8 | 68.1 | 68.1 | 67.2 |
| 20° | 98.7 | 87.6 | 79.1 | 72.3 | 68.1 | 64.7 | 62.1 | 60.4 | 59.6 | 60.4 |
| 22.5° | 91.0 | 80.0 | 71.5 | 65.5 | 60.4 | 57.0 | 54.5 | 53.6 | 52.8 | 52.8 |
| 25° | 82.5 | 72.3 | 64.7 | 58.7 | 54.5 | 51.1 | 48.5 | 47.6 | 46.8 | 45.9 |
| 26° | 80.0 | 69.8 | 62.1 | 56.2 | 51.9 | 48.5 | 46.8 | 45.1 | 44.2 | 44.2 |
| 27.5° | 76.6 | 65.5 | 58.7 | 52.8 | 48.5 | 45.9 | 43.4 | 42.5 | 41.7 | 41.7 |
| 30° | 68.9 | 59.6 | 52.8 | 47.6 | 44.2 | 40.8 | 39.1 | 38.3 | 37.4 | 37.4 |
| 32.5° | 63.0 | 53.6 | 47.6 | 43.4 | 40.0 | 37.4 | 35.7 | 34.0 | 34.0 | 34.0 |
| 35° | 57.0 | 48.5 | 43.4 | 39.1 | 35.7 | 33.2 | 32.3 | 31.5 | 30.6 | 30.6 |
| 37.5° | 51.9 | 44.2 | 39.1 | 35.7 | 33.2 | 30.6 | 28.9 | 28.1 | 28.1 | 28.1 |
| 40° | 46.8 | 40.8 | 35.7 | 32.3 | 29.8 | 28.1 | 26.4 | 25.5 | 25.5 | 25.5 |
| 42.5° | 42.5 | 36.6 | 33.2 | 29.8 | 27.2 | 25.5 | 24.7 | 23.8 | 23.0 | 23.0 |
| 45° | 39.1 | 34.0 | 29.8 | 27.2 | 25.5 | 23.8 | 22.1 | 21.3 | 21.3 | 21.3 |
| 47.5° | 34.9 | 31.5 | 27.2 | 24.7 | 23.0 | 21.3 | 20.4 | 19.6 | 19.6 | 19.6 |
| 50° | 32.3 | 28.9 | 25.5 | 23.0 | 21.3 | 19.6 | 18.7 | 17.9 | 17.9 | 17.9 |
| 52.5° | 28.9 | 26.4 | 23.8 | 21.3 | 19.6 | 17.9 | 17.0 | 16.2 | 16.2 | 16.2 |
| 55° | 26.4 | 23.8 | 21.3 | 19.6 | 17.9 | 16.2 | 15.3 | 14.5 | 14.5 | 14.5 |
| 57.5° | 23.8 | 21.3 | 19.6 | 17.9 | 16.2 | 15.3 | 13.6 | 13.6 | 12.8 | 12.8 |
| 60° | 21.3 | 18.7 | 17.0 | 16.2 | 14.5 | 13.6 | 11.9 | 11.1 | 11.1 | 11.1 |
| 62.5° | 17.9 | 17.0 | 15.3 | 13.6 | 11.9 | 11.1 | 10.2 | 9.4 | 9.4 | 9.4 |
| 65° | 15.3 | 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)