

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: P1298948

Luminaire Tested: P3AS13R70W2N902750DE010 E3LSWW1H_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1298948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R70W2N902750DE010 E3LSWW1H_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
E3LSWW1H TRIM
Light Source: -
Ballast/Driver: -

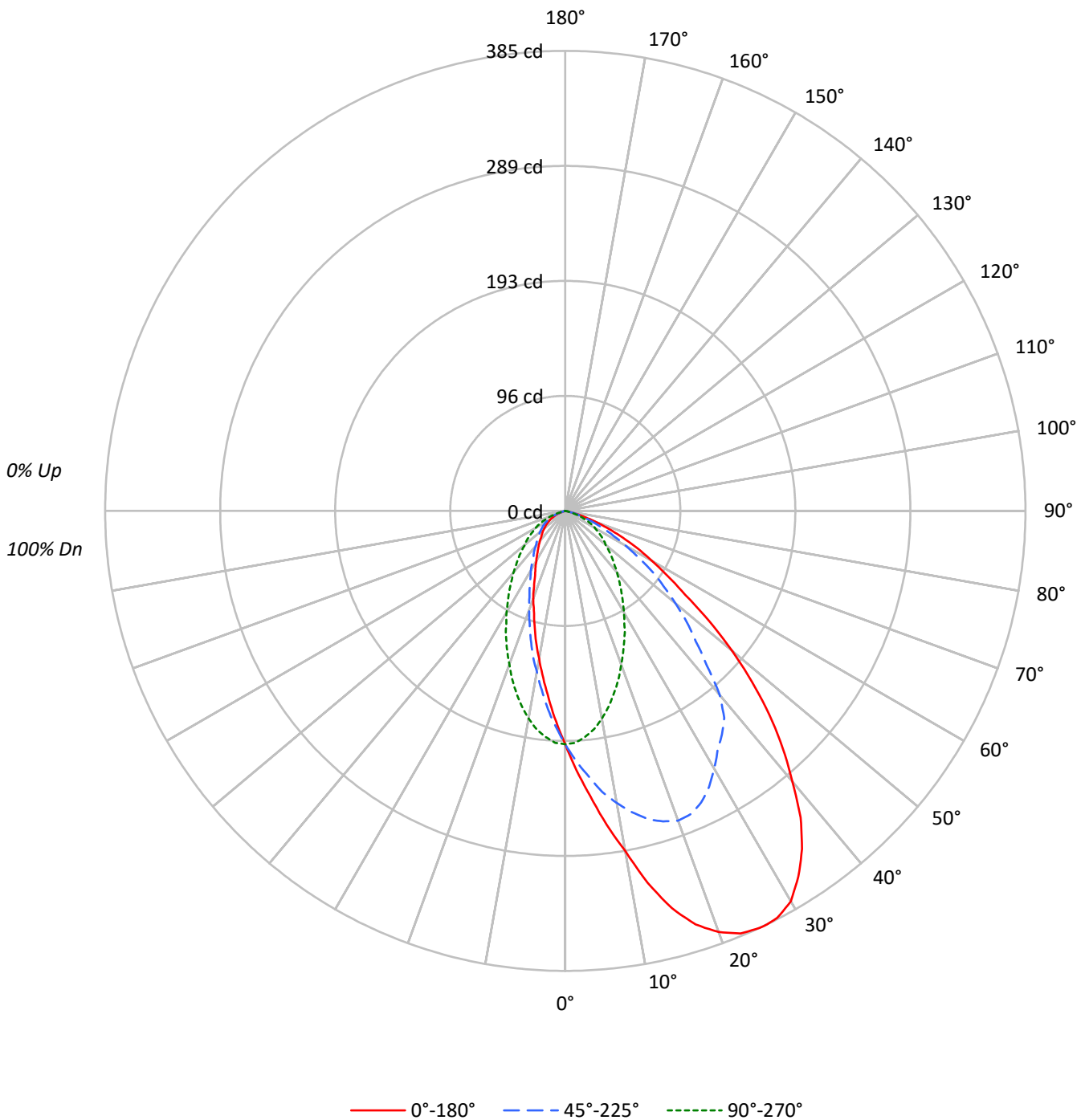
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 389.0 lumens
Efficiency: N/A
Efficacy: 31.6 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): 12.3
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: P1298948
CATALOG NUMBER: P3AS13R70W2N902750DE010 E3LSWW1H_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P1298948
 CATALOG NUMBER: P3AS13R70W2N902750DE010 E3LSWW1H_3000K

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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 89 |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 85 | 81 | 85 | 82 | 80 | 78 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 |
| 4 | 88 | 78 | 70 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 60 |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 62 | 57 | 68 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 53 |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 51 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 47 |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 |
| 10 | 59 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 42826 | 42826 | 42826 | 42826 | 42826 |
| 5° | 52696 | 49064 | 41778 | 36672 | 34735 |
| 10° | 64372 | 55265 | 39300 | 30460 | 28011 |
| 15° | 78139 | 60613 | 35823 | 25290 | 22543 |
| 20° | 87531 | 64359 | 31923 | 20605 | 18272 |
| 25° | 93175 | 65133 | 28308 | 17082 | 14420 |
| 30° | 95534 | 63124 | 24865 | 14534 | 12280 |
| 35° | 92434 | 61141 | 21844 | 12394 | 10627 |
| 40° | 84644 | 57479 | 19265 | 11049 | 9475 |
| 45° | 74923 | 47912 | 17118 | 10265 | 8559 |
| 50° | 62088 | 41039 | 15044 | 9415 | 7914 |
| 55° | 46832 | 34178 | 13916 | 8869 | 7187 |
| 60° | 36795 | 25656 | 12587 | 8245 | 6271 |
| 65° | 27500 | 18887 | 10896 | 6849 | 5137 |
| 70° | 17695 | 12053 | 7758 | 4937 | 2821 |
| 75° | 7456 | 6524 | 3728 | 1864 | 932 |
| 80° | 1389 | 1389 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 74923 cd/sqm



TEST NUMBER: P1298948

CATALOG NUMBER: P3AS13R70W2N902750DE010 E3LSWW1H_3000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 18.5 | 4.8 |
| 10°-20° | 53.3 | 13.7 |
| 20°-30° | 78.0 | 20.0 |
| 30°-40° | 84.9 | 21.8 |
| 40°-50° | 73.5 | 18.9 |
| 50°-60° | 49.2 | 12.7 |
| 60°-70° | 25.4 | 6.5 |
| 70°-80° | 6.0 | 1.5 |
| 80°-90° | 0.1 | 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° | 149.8 | 38.5 |
| 0°-40° | 234.7 | 60.3 |
| 0°-60° | 357.5 | 91.9 |
| 0°-90° | 389.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 389.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 195 | 195 | 195 | 195 | 195 | |
| 5° | 239 | 223 | 190 | 167 | 158 | 24 |
| 15° | 344 | 267 | 158 | 111 | 99 | 98 |
| 25° | 385 | 269 | 117 | 71 | 60 | 177 |
| 35° | 345 | 228 | 82 | 46 | 40 | 214 |
| 45° | 242 | 154 | 55 | 33 | 28 | 185 |
| 55° | 122 | 89 | 36 | 23 | 19 | 113 |
| 65° | 53 | 36 | 21 | 13 | 10 | 53 |
| 75° | 9 | 8 | 4 | 2 | 1 | 12 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1298948
 CATALOG NUMBER: P3AS13R70W2N902750DE010 E3LSWW1H_3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 195.3 | 195.3 | 195.3 | 195.3 | 195.3 | 195.3 | 195.3 | 195.3 | 195.3 | 195.3 | 195.3 |
| 2.5° | 217.4 | 216.2 | 216.2 | 214.0 | 211.8 | 209.6 | 206.3 | 203.0 | 199.7 | 196.4 | 194.2 |
| 5° | 239.4 | 240.5 | 239.4 | 235.0 | 229.5 | 222.9 | 216.2 | 208.5 | 200.8 | 194.2 | 189.8 |
| 7.5° | 264.8 | 264.8 | 261.5 | 256.0 | 248.2 | 237.2 | 226.2 | 212.9 | 200.8 | 189.8 | 184.3 |
| 10° | 289.1 | 289.1 | 283.5 | 274.7 | 262.6 | 248.2 | 232.8 | 215.1 | 198.6 | 183.1 | 176.5 |
| 12.5° | 318.9 | 317.8 | 311.1 | 296.8 | 279.1 | 258.2 | 237.2 | 215.1 | 195.3 | 176.5 | 167.7 |
| 15° | 344.2 | 343.1 | 334.3 | 316.6 | 293.5 | 267.0 | 238.3 | 212.9 | 188.7 | 167.7 | 157.8 |
| 17.5° | 363.0 | 360.8 | 350.9 | 332.1 | 305.6 | 272.5 | 239.4 | 208.5 | 180.9 | 157.8 | 147.8 |
| 20° | 375.1 | 374.0 | 363.0 | 340.9 | 312.2 | 275.8 | 238.3 | 203.0 | 173.2 | 147.8 | 136.8 |
| 22.5° | 382.8 | 380.6 | 369.6 | 345.3 | 312.2 | 274.7 | 233.9 | 195.3 | 163.3 | 137.9 | 126.9 |
| 25° | 385.1 | 384.0 | 370.7 | 344.2 | 308.9 | 269.2 | 227.3 | 187.6 | 153.4 | 128.0 | 117.0 |
| 26° | 385.1 | 384.0 | 370.7 | 343.1 | 306.7 | 265.9 | 224.0 | 184.3 | 150.0 | 123.6 | 113.6 |
| 27.5° | 384.0 | 382.8 | 368.5 | 339.8 | 302.3 | 260.4 | 217.4 | 177.6 | 143.4 | 118.1 | 107.0 |
| 30° | 377.3 | 375.1 | 360.8 | 332.1 | 292.4 | 249.3 | 206.3 | 167.7 | 133.5 | 108.1 | 98.2 |
| 32.5° | 363.0 | 360.8 | 345.3 | 318.9 | 281.3 | 237.2 | 194.2 | 156.7 | 123.6 | 98.2 | 89.4 |
| 35° | 345.3 | 343.1 | 327.7 | 302.3 | 265.9 | 228.4 | 180.9 | 144.5 | 112.5 | 90.5 | 81.6 |
| 37.5° | 323.3 | 320.0 | 306.7 | 280.2 | 247.1 | 218.5 | 169.9 | 132.4 | 102.6 | 81.6 | 73.9 |
| 40° | 295.7 | 294.6 | 282.4 | 258.2 | 225.1 | 200.8 | 163.3 | 132.4 | 93.8 | 73.9 | 67.3 |
| 42.5° | 269.2 | 267.0 | 256.0 | 235.0 | 205.2 | 175.4 | 143.4 | 126.9 | 87.2 | 66.2 | 60.7 |
| 45° | 241.6 | 239.4 | 229.5 | 211.8 | 184.3 | 154.5 | 132.4 | 109.2 | 75.0 | 60.7 | 55.2 |
| 47.5° | 211.8 | 209.6 | 201.9 | 188.7 | 164.4 | 137.9 | 112.5 | 89.4 | 68.4 | 54.1 | 49.6 |
| 50° | 182.0 | 183.1 | 176.5 | 163.3 | 144.5 | 120.3 | 97.1 | 75.0 | 58.5 | 48.5 | 44.1 |
| 52.5° | 152.3 | 151.2 | 146.7 | 137.9 | 124.7 | 103.7 | 82.7 | 64.0 | 50.8 | 43.0 | 40.8 |
| 55° | 122.5 | 123.6 | 121.4 | 115.8 | 104.8 | 89.4 | 69.5 | 55.2 | 45.2 | 38.6 | 36.4 |
| 57.5° | 101.5 | 102.6 | 98.2 | 94.9 | 86.1 | 72.8 | 57.4 | 46.3 | 38.6 | 34.2 | 32.0 |
| 60° | 83.9 | 85.0 | 81.6 | 77.2 | 70.6 | 58.5 | 46.3 | 38.6 | 34.2 | 30.9 | 28.7 |
| 62.5° | 68.4 | 67.3 | 65.1 | 60.7 | 55.2 | 46.3 | 37.5 | 32.0 | 28.7 | 26.5 | 25.4 |
| 65° | 53.0 | 53.0 | 50.8 | 47.4 | 43.0 | 36.4 | 29.8 | 26.5 | 24.3 | 22.1 | 21.0 |
| 67.5° | 39.7 | 39.7 | 37.5 | 35.3 | 30.9 | 26.5 | 23.2 | 21.0 | 19.9 | 17.7 | 16.5 |
| 70° | 27.6 | 27.6 | 26.5 | 25.4 | 22.1 | 18.8 | 17.7 | 15.4 | 14.3 | 13.2 | 12.1 |
| 72.5° | 17.7 | 17.7 | 17.7 | 15.4 | 14.3 | 12.1 | 12.1 | 11.0 | 9.9 | 8.8 | 8.8 |
| 75° | 8.8 | 9.9 | 8.8 | 8.8 | 7.7 | 7.7 | 6.6 | 6.6 | 5.5 | 5.5 | 4.4 |
| 77.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 80° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 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: P1298948

CATALOG NUMBER: P3AS13R70W2N902750DE010 E3LSWW1H_3000K

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 195.3 | 195.3 | 195.3 | 195.3 | 195.3 | 195.3 | 195.3 | 195.3 | 195.3 | 195.3 |
| 2.5° | 192.0 | 188.7 | 186.5 | 183.1 | 180.9 | 178.7 | 177.6 | 176.5 | 176.5 | 176.5 |
| 5° | 186.5 | 180.9 | 175.4 | 169.9 | 166.6 | 163.3 | 160.0 | 158.9 | 157.8 | 157.8 |
| 7.5° | 179.8 | 171.0 | 163.3 | 156.7 | 151.2 | 147.8 | 144.5 | 142.3 | 141.2 | 141.2 |
| 10° | 171.0 | 160.0 | 151.2 | 142.3 | 136.8 | 132.4 | 130.2 | 126.9 | 126.9 | 125.8 |
| 12.5° | 161.1 | 147.8 | 137.9 | 130.2 | 124.7 | 119.2 | 115.8 | 113.6 | 112.5 | 112.5 |
| 15° | 150.0 | 136.8 | 125.8 | 117.0 | 111.4 | 105.9 | 102.6 | 100.4 | 99.3 | 99.3 |
| 17.5° | 139.0 | 124.7 | 113.6 | 104.8 | 99.3 | 93.8 | 90.5 | 88.3 | 88.3 | 87.2 |
| 20° | 128.0 | 113.6 | 102.6 | 93.8 | 88.3 | 83.9 | 80.5 | 78.3 | 77.2 | 78.3 |
| 22.5° | 118.1 | 103.7 | 92.7 | 85.0 | 78.3 | 73.9 | 70.6 | 69.5 | 68.4 | 68.4 |
| 25° | 107.0 | 93.8 | 83.9 | 76.1 | 70.6 | 66.2 | 62.9 | 61.8 | 60.7 | 59.6 |
| 26° | 103.7 | 90.5 | 80.5 | 72.8 | 67.3 | 62.9 | 60.7 | 58.5 | 57.4 | 57.4 |
| 27.5° | 99.3 | 85.0 | 76.1 | 68.4 | 62.9 | 59.6 | 56.3 | 55.2 | 54.1 | 54.1 |
| 30° | 89.4 | 77.2 | 68.4 | 61.8 | 57.4 | 53.0 | 50.8 | 49.6 | 48.5 | 48.5 |
| 32.5° | 81.6 | 69.5 | 61.8 | 56.3 | 51.9 | 48.5 | 46.3 | 44.1 | 44.1 | 44.1 |
| 35° | 73.9 | 62.9 | 56.3 | 50.8 | 46.3 | 43.0 | 41.9 | 40.8 | 39.7 | 39.7 |
| 37.5° | 67.3 | 57.4 | 50.8 | 46.3 | 43.0 | 39.7 | 37.5 | 36.4 | 36.4 | 36.4 |
| 40° | 60.7 | 53.0 | 46.3 | 41.9 | 38.6 | 36.4 | 34.2 | 33.1 | 33.1 | 33.1 |
| 42.5° | 55.2 | 47.4 | 43.0 | 38.6 | 35.3 | 33.1 | 32.0 | 30.9 | 29.8 | 29.8 |
| 45° | 50.8 | 44.1 | 38.6 | 35.3 | 33.1 | 30.9 | 28.7 | 27.6 | 27.6 | 27.6 |
| 47.5° | 45.2 | 40.8 | 35.3 | 32.0 | 29.8 | 27.6 | 26.5 | 25.4 | 25.4 | 25.4 |
| 50° | 41.9 | 37.5 | 33.1 | 29.8 | 27.6 | 25.4 | 24.3 | 23.2 | 23.2 | 23.2 |
| 52.5° | 37.5 | 34.2 | 30.9 | 27.6 | 25.4 | 23.2 | 22.1 | 21.0 | 21.0 | 21.0 |
| 55° | 34.2 | 30.9 | 27.6 | 25.4 | 23.2 | 21.0 | 19.9 | 18.8 | 18.8 | 18.8 |
| 57.5° | 30.9 | 27.6 | 25.4 | 23.2 | 21.0 | 19.9 | 17.7 | 17.7 | 16.5 | 16.5 |
| 60° | 27.6 | 24.3 | 22.1 | 21.0 | 18.8 | 17.7 | 15.4 | 14.3 | 14.3 | 14.3 |
| 62.5° | 23.2 | 22.1 | 19.9 | 17.7 | 15.4 | 14.3 | 13.2 | 12.1 | 12.1 | 12.1 |
| 65° | 19.9 | 18.8 | 16.5 | 14.3 | 13.2 | 12.1 | 11.0 | 9.9 | 9.9 | 9.9 |
| 67.5° | 16.5 | 14.3 | 13.2 | 12.1 | 11.0 | 9.9 | 8.8 | 7.7 | 6.6 | 7.7 |
| 70° | 12.1 | 11.0 | 9.9 | 8.8 | 7.7 | 6.6 | 5.5 | 5.5 | 4.4 | 4.4 |
| 72.5° | 7.7 | 6.6 | 6.6 | 5.5 | 4.4 | 4.4 | 3.3 | 3.3 | 2.2 | 2.2 |
| 75° | 4.4 | 4.4 | 3.3 | 3.3 | 2.2 | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 |
| 77.5° | 2.2 | 1.1 | 1.1 | 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)