

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: P3ART13R70B2750DE010 E3LSWW1LI_3000K

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: P3ART13R70B2750DE010 E3LSWW1LI_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LSWW1LI TRIM
Light Source: -
Ballast/Driver: -

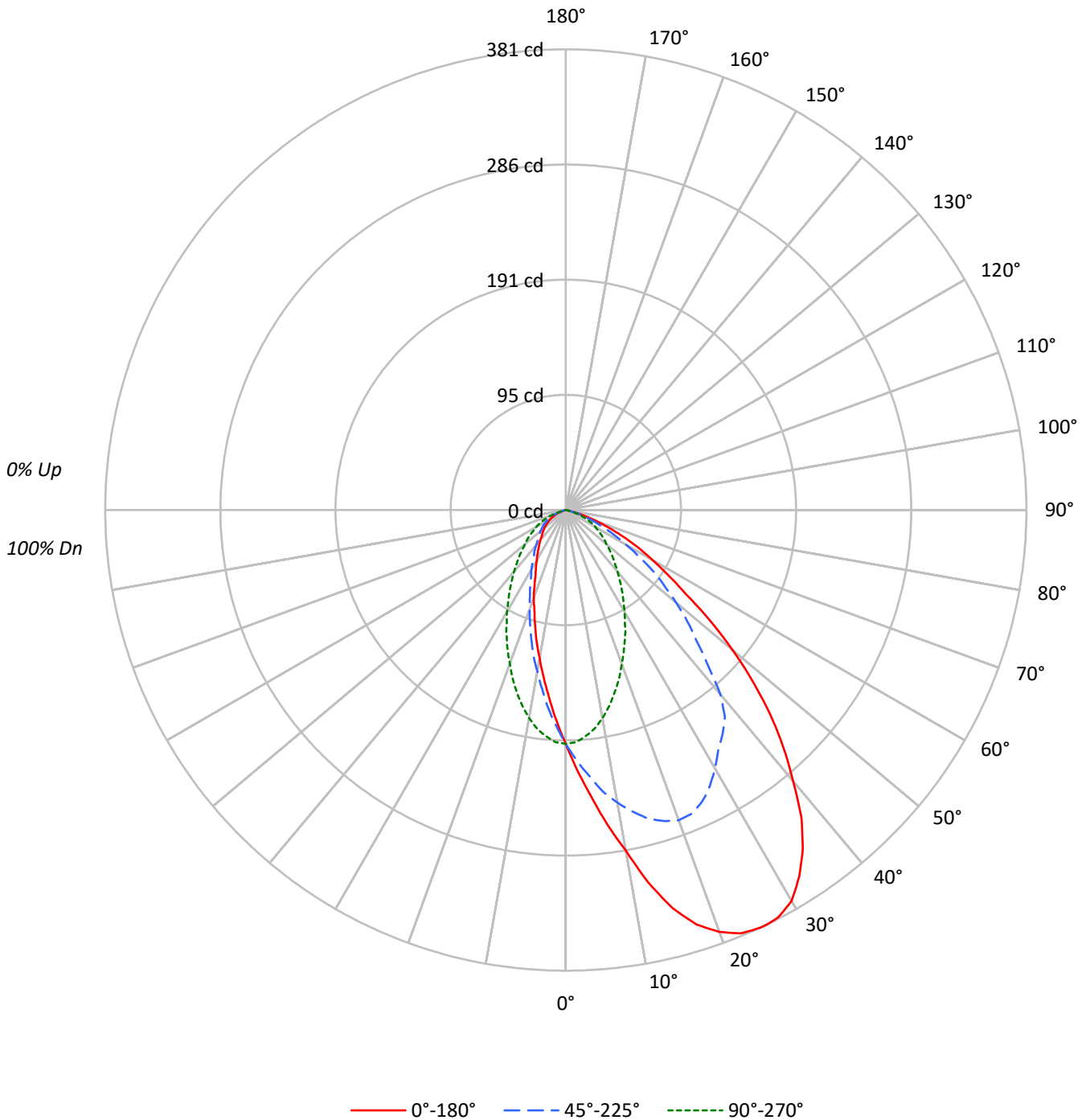
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 385.0 lumens
Efficiency: N/A
Efficacy: 20.2 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): 19.1
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: P3ART13R70B2750DE010 E3LSWW1LI_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R70B2750DE010 E3LSWW1LI_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 | 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° | 42387 | 42387 | 42387 | 42387 | 42387 |
| 5° | 52168 | 48558 | 41338 | 36298 | 34382 |
| 10° | 63704 | 54708 | 38899 | 30149 | 27722 |
| 15° | 77344 | 60000 | 35460 | 25040 | 22316 |
| 20° | 86644 | 63706 | 31596 | 20395 | 18085 |
| 25° | 92207 | 64455 | 27994 | 16912 | 14275 |
| 30° | 94572 | 62491 | 24611 | 14382 | 12154 |
| 35° | 91497 | 60498 | 21630 | 12287 | 10520 |
| 40° | 83757 | 56878 | 19064 | 10935 | 9389 |
| 45° | 74147 | 47416 | 16932 | 10172 | 8466 |
| 50° | 61473 | 40596 | 14908 | 9313 | 7812 |
| 55° | 46335 | 33796 | 13763 | 8755 | 7111 |
| 60° | 36401 | 25393 | 12455 | 8157 | 6228 |
| 65° | 27188 | 18679 | 10740 | 6797 | 5085 |
| 70° | 17503 | 11925 | 7694 | 4873 | 2821 |
| 75° | 7371 | 6439 | 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: 74147 cd/sqm



TEST NUMBER: P#

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 18.3 | 4.8 |
| 10°-20° | 52.8 | 13.7 |
| 20°-30° | 77.2 | 20.0 |
| 30°-40° | 84.1 | 21.8 |
| 40°-50° | 72.8 | 18.9 |
| 50°-60° | 48.7 | 12.7 |
| 60°-70° | 25.2 | 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° | 148.3 | 38.5 |
| 0°-40° | 232.3 | 60.3 |
| 0°-60° | 353.8 | 91.9 |
| 0°-90° | 385.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 385.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 193 | 193 | 193 | 193 | 193 | |
| 5° | 237 | 221 | 188 | 165 | 156 | 24 |
| 15° | 341 | 264 | 156 | 110 | 98 | 97 |
| 25° | 381 | 266 | 116 | 70 | 59 | 175 |
| 35° | 342 | 226 | 81 | 46 | 39 | 212 |
| 45° | 239 | 153 | 55 | 33 | 27 | 183 |
| 55° | 121 | 88 | 36 | 23 | 19 | 112 |
| 65° | 52 | 36 | 21 | 13 | 10 | 53 |
| 75° | 9 | 8 | 4 | 2 | 1 | 11 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R70B2750DE010 E3LSWW1LI_3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 193.3 | 193.3 | 193.3 | 193.3 | 193.3 | 193.3 | 193.3 | 193.3 | 193.3 | 193.3 | 193.3 |
| 2.5° | 215.1 | 214.0 | 214.0 | 211.8 | 209.7 | 207.5 | 204.2 | 200.9 | 197.6 | 194.4 | 192.2 |
| 5° | 237.0 | 238.0 | 237.0 | 232.6 | 227.1 | 220.6 | 214.0 | 206.4 | 198.7 | 192.2 | 187.8 |
| 7.5° | 262.1 | 262.1 | 258.8 | 253.3 | 245.7 | 234.8 | 223.9 | 210.7 | 198.7 | 187.8 | 182.4 |
| 10° | 286.1 | 286.1 | 280.6 | 271.9 | 259.9 | 245.7 | 230.4 | 212.9 | 196.6 | 181.3 | 174.7 |
| 12.5° | 315.6 | 314.5 | 307.9 | 293.7 | 276.3 | 255.5 | 234.8 | 212.9 | 193.3 | 174.7 | 166.0 |
| 15° | 340.7 | 339.6 | 330.9 | 313.4 | 290.5 | 264.3 | 235.9 | 210.7 | 186.7 | 166.0 | 156.2 |
| 17.5° | 359.3 | 357.1 | 347.2 | 328.7 | 302.5 | 269.7 | 237.0 | 206.4 | 179.1 | 156.2 | 146.3 |
| 20° | 371.3 | 370.2 | 359.3 | 337.4 | 309.0 | 273.0 | 235.9 | 200.9 | 171.4 | 146.3 | 135.4 |
| 22.5° | 378.9 | 376.7 | 365.8 | 341.8 | 309.0 | 271.9 | 231.5 | 193.3 | 161.6 | 136.5 | 125.6 |
| 25° | 381.1 | 380.0 | 366.9 | 340.7 | 305.7 | 266.4 | 224.9 | 185.6 | 151.8 | 126.7 | 115.7 |
| 26° | 381.1 | 380.0 | 366.9 | 339.6 | 303.6 | 263.2 | 221.7 | 182.4 | 148.5 | 122.3 | 112.5 |
| 27.5° | 380.0 | 378.9 | 364.7 | 336.3 | 299.2 | 257.7 | 215.1 | 175.8 | 142.0 | 116.8 | 105.9 |
| 30° | 373.5 | 371.3 | 357.1 | 328.7 | 289.4 | 246.8 | 204.2 | 166.0 | 132.1 | 107.0 | 97.2 |
| 32.5° | 359.3 | 357.1 | 341.8 | 315.6 | 278.5 | 234.8 | 192.2 | 155.1 | 122.3 | 97.2 | 88.4 |
| 35° | 341.8 | 339.6 | 324.3 | 299.2 | 263.2 | 226.0 | 179.1 | 143.0 | 111.4 | 89.5 | 80.8 |
| 37.5° | 319.9 | 316.7 | 303.6 | 277.4 | 244.6 | 216.2 | 168.2 | 131.0 | 101.6 | 80.8 | 73.2 |
| 40° | 292.6 | 291.6 | 279.5 | 255.5 | 222.8 | 198.7 | 161.6 | 131.0 | 92.8 | 73.2 | 66.6 |
| 42.5° | 266.4 | 264.3 | 253.3 | 232.6 | 203.1 | 173.6 | 142.0 | 125.6 | 86.3 | 65.5 | 60.1 |
| 45° | 239.1 | 237.0 | 227.1 | 209.7 | 182.4 | 152.9 | 129.9 | 108.1 | 74.3 | 60.1 | 54.6 |
| 47.5° | 209.7 | 207.5 | 199.8 | 186.7 | 162.7 | 136.5 | 111.4 | 88.4 | 67.7 | 53.5 | 49.1 |
| 50° | 180.2 | 181.3 | 174.7 | 161.6 | 143.0 | 119.0 | 96.1 | 74.3 | 57.9 | 48.0 | 43.7 |
| 52.5° | 150.7 | 149.6 | 145.2 | 136.5 | 123.4 | 102.6 | 81.9 | 63.3 | 50.2 | 42.6 | 40.4 |
| 55° | 121.2 | 122.3 | 120.1 | 114.7 | 103.7 | 88.4 | 68.8 | 54.6 | 44.8 | 38.2 | 36.0 |
| 57.5° | 100.5 | 101.6 | 97.2 | 93.9 | 85.2 | 72.1 | 56.8 | 45.9 | 38.2 | 33.9 | 31.7 |
| 60° | 83.0 | 84.1 | 80.8 | 76.4 | 69.9 | 57.9 | 45.9 | 38.2 | 33.9 | 30.6 | 28.4 |
| 62.5° | 67.7 | 66.6 | 64.4 | 60.1 | 54.6 | 45.9 | 37.1 | 31.7 | 28.4 | 26.2 | 25.1 |
| 65° | 52.4 | 52.4 | 50.2 | 47.0 | 42.6 | 36.0 | 29.5 | 26.2 | 24.0 | 21.8 | 20.7 |
| 67.5° | 39.3 | 39.3 | 37.1 | 34.9 | 30.6 | 26.2 | 22.9 | 20.7 | 19.7 | 17.5 | 16.4 |
| 70° | 27.3 | 27.3 | 26.2 | 25.1 | 21.8 | 18.6 | 17.5 | 15.3 | 14.2 | 13.1 | 12.0 |
| 72.5° | 17.5 | 17.5 | 17.5 | 15.3 | 14.2 | 12.0 | 12.0 | 10.9 | 9.8 | 8.7 | 8.7 |
| 75° | 8.7 | 9.8 | 8.7 | 8.7 | 7.6 | 7.6 | 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: P#
 CATALOG NUMBER: P3ART13R70B2750DE010 E3LSWW1LI_3000K

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 193.3 | 193.3 | 193.3 | 193.3 | 193.3 | 193.3 | 193.3 | 193.3 | 193.3 | 193.3 |
| 2.5° | 190.0 | 186.7 | 184.5 | 181.3 | 179.1 | 176.9 | 175.8 | 174.7 | 174.7 | 174.7 |
| 5° | 184.5 | 179.1 | 173.6 | 168.2 | 164.9 | 161.6 | 158.3 | 157.2 | 156.2 | 156.2 |
| 7.5° | 178.0 | 169.3 | 161.6 | 155.1 | 149.6 | 146.3 | 143.0 | 140.9 | 139.8 | 139.8 |
| 10° | 169.3 | 158.3 | 149.6 | 140.9 | 135.4 | 131.0 | 128.9 | 125.6 | 125.6 | 124.5 |
| 12.5° | 159.4 | 146.3 | 136.5 | 128.9 | 123.4 | 117.9 | 114.7 | 112.5 | 111.4 | 111.4 |
| 15° | 148.5 | 135.4 | 124.5 | 115.7 | 110.3 | 104.8 | 101.6 | 99.4 | 98.3 | 98.3 |
| 17.5° | 137.6 | 123.4 | 112.5 | 103.7 | 98.3 | 92.8 | 89.5 | 87.4 | 87.4 | 86.3 |
| 20° | 126.7 | 112.5 | 101.6 | 92.8 | 87.4 | 83.0 | 79.7 | 77.5 | 76.4 | 77.5 |
| 22.5° | 116.8 | 102.6 | 91.7 | 84.1 | 77.5 | 73.2 | 69.9 | 68.8 | 67.7 | 67.7 |
| 25° | 105.9 | 92.8 | 83.0 | 75.3 | 69.9 | 65.5 | 62.2 | 61.1 | 60.1 | 59.0 |
| 26° | 102.6 | 89.5 | 79.7 | 72.1 | 66.6 | 62.2 | 60.1 | 57.9 | 56.8 | 56.8 |
| 27.5° | 98.3 | 84.1 | 75.3 | 67.7 | 62.2 | 59.0 | 55.7 | 54.6 | 53.5 | 53.5 |
| 30° | 88.4 | 76.4 | 67.7 | 61.1 | 56.8 | 52.4 | 50.2 | 49.1 | 48.0 | 48.0 |
| 32.5° | 80.8 | 68.8 | 61.1 | 55.7 | 51.3 | 48.0 | 45.9 | 43.7 | 43.7 | 43.7 |
| 35° | 73.2 | 62.2 | 55.7 | 50.2 | 45.9 | 42.6 | 41.5 | 40.4 | 39.3 | 39.3 |
| 37.5° | 66.6 | 56.8 | 50.2 | 45.9 | 42.6 | 39.3 | 37.1 | 36.0 | 36.0 | 36.0 |
| 40° | 60.1 | 52.4 | 45.9 | 41.5 | 38.2 | 36.0 | 33.9 | 32.8 | 32.8 | 32.8 |
| 42.5° | 54.6 | 47.0 | 42.6 | 38.2 | 34.9 | 32.8 | 31.7 | 30.6 | 29.5 | 29.5 |
| 45° | 50.2 | 43.7 | 38.2 | 34.9 | 32.8 | 30.6 | 28.4 | 27.3 | 27.3 | 27.3 |
| 47.5° | 44.8 | 40.4 | 34.9 | 31.7 | 29.5 | 27.3 | 26.2 | 25.1 | 25.1 | 25.1 |
| 50° | 41.5 | 37.1 | 32.8 | 29.5 | 27.3 | 25.1 | 24.0 | 22.9 | 22.9 | 22.9 |
| 52.5° | 37.1 | 33.9 | 30.6 | 27.3 | 25.1 | 22.9 | 21.8 | 20.7 | 20.7 | 20.7 |
| 55° | 33.9 | 30.6 | 27.3 | 25.1 | 22.9 | 20.7 | 19.7 | 18.6 | 18.6 | 18.6 |
| 57.5° | 30.6 | 27.3 | 25.1 | 22.9 | 20.7 | 19.7 | 17.5 | 17.5 | 16.4 | 16.4 |
| 60° | 27.3 | 24.0 | 21.8 | 20.7 | 18.6 | 17.5 | 15.3 | 14.2 | 14.2 | 14.2 |
| 62.5° | 22.9 | 21.8 | 19.7 | 17.5 | 15.3 | 14.2 | 13.1 | 12.0 | 12.0 | 12.0 |
| 65° | 19.7 | 18.6 | 16.4 | 14.2 | 13.1 | 12.0 | 10.9 | 9.8 | 9.8 | 9.8 |
| 67.5° | 16.4 | 14.2 | 13.1 | 12.0 | 10.9 | 9.8 | 8.7 | 7.6 | 6.6 | 7.6 |
| 70° | 12.0 | 10.9 | 9.8 | 8.7 | 7.6 | 6.6 | 5.5 | 5.5 | 4.4 | 4.4 |
| 72.5° | 7.6 | 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)