

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: P3ART09R70B2750DE010 E3LCWW1WMH_2700K

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 (G1-2509-551-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART09R70B2750DE010 E3LCWW1WMH_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

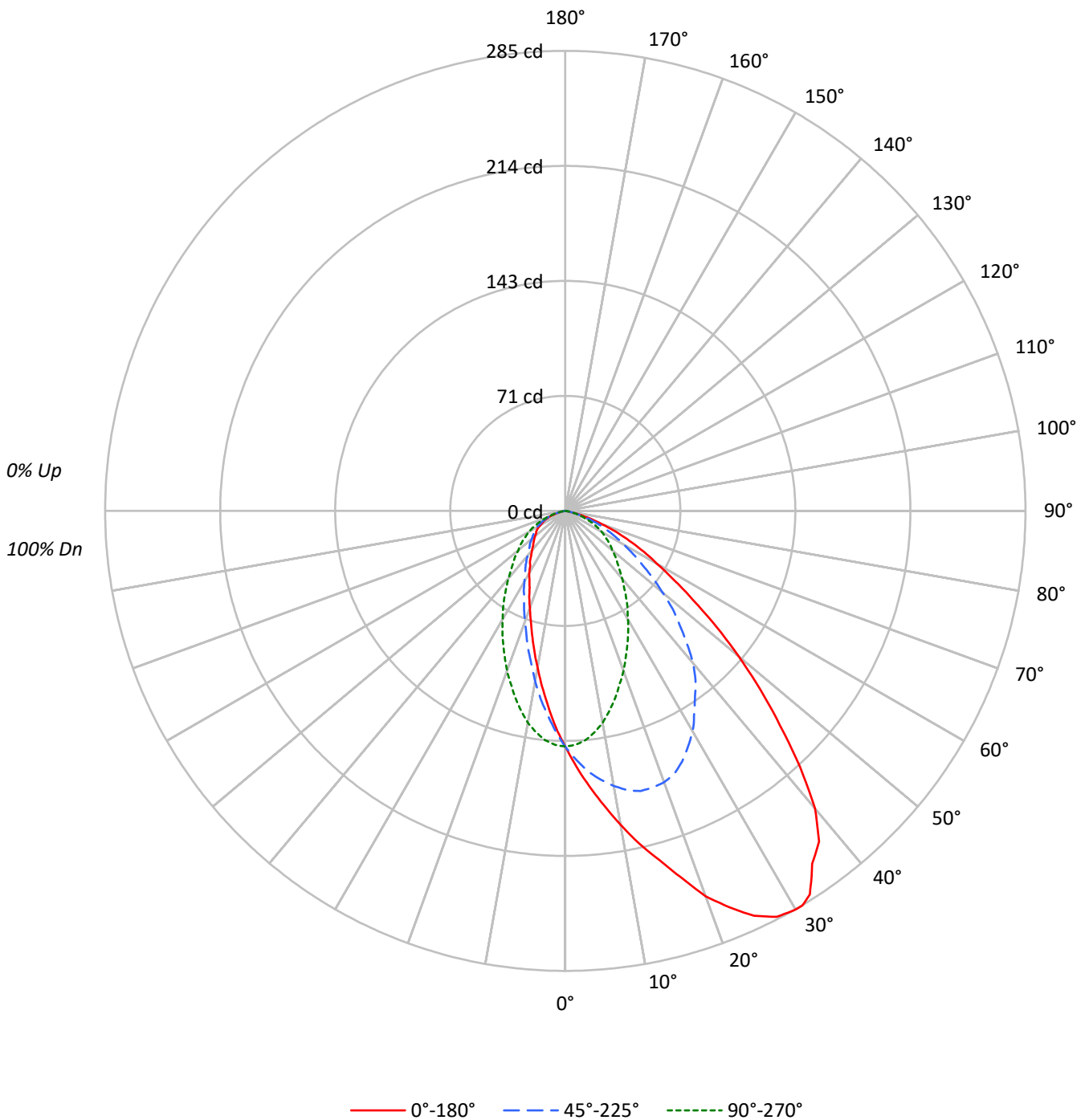
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 297.0 lumens
Efficiency: N/A
Efficacy: 22.7 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 13.1
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: P3ART09R70B2750DE010 E3LCWW1WMH_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART09R70B2750DE010 E3LCWW1WMH_2700K

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 | | |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | |
| 2 | 102 | 95 | 90 | 85 | 100 | 93 | 88 | 84 | 90 | 86 | 82 | 87 | 83 | 80 | 84 | 81 | 78 | 76 | | |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 76 | 72 | 68 | 66 | | |
| 4 | 87 | 77 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 60 | 58 | | |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 59 | 54 | 64 | 58 | 54 | 62 | 57 | 53 | 51 | | |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 54 | 49 | 60 | 53 | 48 | 59 | 53 | 48 | 57 | 52 | 47 | 46 | | |
| 7 | 70 | 57 | 49 | 44 | 68 | 57 | 49 | 44 | 55 | 48 | 43 | 54 | 48 | 43 | 52 | 47 | 43 | 41 | | |
| 8 | 65 | 53 | 45 | 39 | 64 | 52 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 39 | 48 | 43 | 39 | 37 | | |
| 9 | 61 | 49 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 35 | 45 | 39 | 35 | 34 | | |
| 10 | 57 | 45 | 38 | 33 | 56 | 45 | 37 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 36 | 32 | 31 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 32015 | 32015 | 32015 | 32015 | 32015 |
| 5° | 37706 | 35659 | 31389 | 27867 | 26744 |
| 10° | 43976 | 38521 | 29681 | 23870 | 21977 |
| 15° | 50761 | 40795 | 27197 | 20114 | 18002 |
| 20° | 59272 | 41747 | 24619 | 16941 | 14958 |
| 25° | 66972 | 41446 | 22042 | 14493 | 12654 |
| 30° | 72214 | 39956 | 19649 | 12812 | 11318 |
| 35° | 71394 | 37504 | 17614 | 11511 | 10172 |
| 40° | 68843 | 35266 | 15715 | 10391 | 9189 |
| 45° | 58363 | 31135 | 14141 | 9675 | 8621 |
| 50° | 47794 | 26780 | 12963 | 9211 | 8358 |
| 55° | 37084 | 22250 | 12272 | 9022 | 8372 |
| 60° | 28857 | 18507 | 11490 | 8903 | 7763 |
| 65° | 22778 | 15306 | 10066 | 8302 | 7420 |
| 70° | 15708 | 11348 | 8142 | 7052 | 6475 |
| 75° | 7879 | 6439 | 5761 | 4999 | 4321 |
| 80° | 1010 | 2147 | 3157 | 2147 | 1010 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 58363 cd/sqm



TEST NUMBER: P#
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 13.7 | 4.6 |
| 10°-20° | 38.0 | 12.8 |
| 20°-30° | 56.1 | 18.9 |
| 30°-40° | 62.8 | 21.2 |
| 40°-50° | 55.2 | 18.6 |
| 50°-60° | 39.5 | 13.3 |
| 60°-70° | 23.4 | 7.9 |
| 70°-80° | 7.9 | 2.6 |
| 80°-90° | 0.4 | 0.1 |
| 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° | 107.7 | 36.3 |
| 0°-40° | 170.6 | 57.4 |
| 0°-60° | 265.4 | 89.3 |
| 0°-90° | 297.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 297.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 146 | 146 | 146 | 146 | 146 | |
| 5° | 171 | 162 | 143 | 127 | 122 | 17 |
| 15° | 224 | 180 | 120 | 89 | 79 | 64 |
| 25° | 277 | 171 | 91 | 60 | 52 | 127 |
| 35° | 267 | 140 | 66 | 43 | 38 | 168 |
| 45° | 188 | 100 | 46 | 31 | 28 | 146 |
| 55° | 97 | 58 | 32 | 24 | 22 | 89 |
| 65° | 44 | 30 | 19 | 16 | 14 | 44 |
| 75° | 9 | 8 | 7 | 6 | 5 | 11 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART09R70B2750DE010 E3LCWW1WMH_2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 146.0 | 146.0 | 146.0 | 146.0 | 146.0 | 146.0 | 146.0 | 146.0 | 146.0 | 146.0 | 146.0 |
| 2.5° | 158.6 | 158.6 | 158.6 | 157.0 | 157.0 | 154.4 | 152.7 | 150.2 | 148.5 | 146.0 | 145.1 |
| 5° | 171.3 | 171.3 | 169.6 | 167.9 | 165.4 | 162.0 | 157.8 | 153.6 | 148.5 | 144.3 | 142.6 |
| 7.5° | 184.0 | 184.8 | 182.3 | 178.9 | 173.8 | 167.9 | 162.0 | 155.3 | 147.7 | 141.8 | 138.4 |
| 10° | 197.5 | 197.5 | 194.1 | 189.0 | 181.4 | 173.0 | 163.7 | 154.4 | 145.1 | 136.7 | 133.3 |
| 12.5° | 211.0 | 210.1 | 205.9 | 198.3 | 189.0 | 177.2 | 164.6 | 152.7 | 141.8 | 131.6 | 126.6 |
| 15° | 223.6 | 223.6 | 217.7 | 208.4 | 194.9 | 179.7 | 164.6 | 149.4 | 136.7 | 124.9 | 119.8 |
| 17.5° | 238.0 | 238.0 | 230.4 | 216.0 | 199.2 | 179.7 | 162.0 | 145.1 | 130.8 | 118.1 | 112.2 |
| 20° | 254.0 | 253.2 | 242.2 | 222.8 | 200.8 | 178.9 | 158.6 | 140.1 | 124.0 | 110.5 | 105.5 |
| 22.5° | 265.8 | 265.0 | 252.3 | 228.7 | 201.7 | 176.4 | 152.7 | 133.3 | 117.3 | 103.8 | 97.9 |
| 25° | 276.8 | 275.1 | 260.8 | 231.2 | 200.0 | 171.3 | 146.8 | 125.7 | 110.5 | 97.0 | 91.1 |
| 27.5° | 283.5 | 282.7 | 266.7 | 230.4 | 195.8 | 164.6 | 139.2 | 119.0 | 103.0 | 89.4 | 84.4 |
| 30° | 285.2 | 286.1 | 266.7 | 226.2 | 189.0 | 157.8 | 131.6 | 111.4 | 95.4 | 83.5 | 77.6 |
| 31° | 285.2 | 286.1 | 265.0 | 223.6 | 186.5 | 154.4 | 128.3 | 108.9 | 92.0 | 80.2 | 75.1 |
| 32.5° | 281.8 | 280.2 | 262.4 | 219.4 | 180.6 | 148.5 | 124.0 | 104.6 | 87.8 | 75.9 | 71.7 |
| 35° | 266.7 | 267.5 | 254.0 | 210.1 | 172.1 | 140.1 | 115.6 | 96.2 | 80.2 | 70.0 | 65.8 |
| 37.5° | 258.2 | 258.2 | 233.7 | 197.5 | 162.9 | 132.5 | 105.5 | 86.9 | 73.4 | 64.1 | 59.9 |
| 40° | 240.5 | 238.0 | 215.2 | 184.0 | 151.9 | 123.2 | 99.6 | 81.0 | 67.5 | 58.2 | 54.9 |
| 42.5° | 215.2 | 212.7 | 194.9 | 172.1 | 137.5 | 111.4 | 94.5 | 71.7 | 60.8 | 53.2 | 49.8 |
| 45° | 188.2 | 186.5 | 173.0 | 151.9 | 124.0 | 100.4 | 81.9 | 65.8 | 55.7 | 48.1 | 45.6 |
| 47.5° | 163.7 | 161.2 | 151.1 | 135.0 | 112.2 | 90.3 | 70.9 | 59.1 | 49.8 | 43.9 | 42.2 |
| 50° | 140.1 | 139.2 | 130.8 | 118.1 | 99.6 | 78.5 | 62.4 | 52.3 | 45.6 | 40.5 | 38.0 |
| 52.5° | 118.1 | 116.5 | 112.2 | 102.1 | 86.9 | 68.4 | 54.9 | 46.4 | 40.5 | 37.1 | 35.4 |
| 55° | 97.0 | 97.0 | 92.8 | 86.1 | 74.3 | 58.2 | 48.1 | 41.3 | 36.3 | 33.8 | 32.1 |
| 57.5° | 80.2 | 80.2 | 76.8 | 72.6 | 61.6 | 49.8 | 42.2 | 36.3 | 32.9 | 30.4 | 28.7 |
| 60° | 65.8 | 65.8 | 63.3 | 59.1 | 51.5 | 42.2 | 36.3 | 32.1 | 29.5 | 27.0 | 26.2 |
| 62.5° | 54.9 | 54.0 | 52.3 | 48.1 | 42.2 | 35.4 | 31.2 | 27.8 | 25.3 | 23.6 | 22.8 |
| 65° | 43.9 | 43.0 | 41.3 | 38.0 | 33.8 | 29.5 | 26.2 | 23.6 | 21.9 | 20.3 | 19.4 |
| 67.5° | 33.8 | 33.8 | 32.1 | 29.5 | 26.2 | 23.6 | 21.1 | 19.4 | 17.7 | 16.9 | 16.0 |
| 70° | 24.5 | 24.5 | 23.6 | 21.9 | 19.4 | 17.7 | 16.0 | 15.2 | 14.3 | 13.5 | 12.7 |
| 72.5° | 16.9 | 16.9 | 16.0 | 15.2 | 13.5 | 12.7 | 11.0 | 11.0 | 10.1 | 10.1 | 9.3 |
| 75° | 9.3 | 9.3 | 9.3 | 8.4 | 8.4 | 7.6 | 7.6 | 7.6 | 6.8 | 6.8 | 6.8 |
| 77.5° | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 80° | 0.8 | 0.8 | 0.8 | 0.8 | 1.7 | 1.7 | 1.7 | 1.7 | 2.5 | 2.5 | 2.5 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 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: P3ART09R70B2750DE010 E3LCWW1WMH_2700K

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 146.0 | 146.0 | 146.0 | 146.0 | 146.0 | 146.0 | 146.0 | 146.0 | 146.0 | 146.0 |
| 2.5° | 144.3 | 141.8 | 140.1 | 139.2 | 136.7 | 135.9 | 135.0 | 134.2 | 134.2 | 134.2 |
| 5° | 140.9 | 136.7 | 132.5 | 130.0 | 126.6 | 124.9 | 123.2 | 122.4 | 121.5 | 121.5 |
| 7.5° | 135.0 | 130.0 | 124.9 | 120.7 | 117.3 | 113.9 | 112.2 | 110.5 | 110.5 | 109.7 |
| 10° | 129.1 | 122.4 | 116.5 | 110.5 | 107.2 | 103.0 | 101.3 | 99.6 | 98.7 | 98.7 |
| 12.5° | 122.4 | 113.9 | 107.2 | 102.1 | 97.0 | 93.7 | 91.1 | 89.4 | 88.6 | 88.6 |
| 15° | 114.8 | 106.3 | 98.7 | 93.7 | 88.6 | 84.4 | 81.9 | 80.2 | 79.3 | 79.3 |
| 17.5° | 107.2 | 98.7 | 90.3 | 85.2 | 80.2 | 75.9 | 74.3 | 72.6 | 71.7 | 70.9 |
| 20° | 100.4 | 90.3 | 83.5 | 76.8 | 72.6 | 69.2 | 66.7 | 65.0 | 64.1 | 64.1 |
| 22.5° | 92.8 | 83.5 | 75.9 | 70.9 | 66.7 | 63.3 | 59.9 | 59.1 | 58.2 | 58.2 |
| 25° | 85.2 | 76.8 | 70.0 | 65.0 | 59.9 | 57.4 | 54.9 | 53.2 | 53.2 | 52.3 |
| 27.5° | 79.3 | 70.9 | 64.1 | 59.1 | 55.7 | 52.3 | 50.6 | 48.9 | 48.1 | 48.1 |
| 30° | 72.6 | 65.0 | 59.1 | 54.9 | 50.6 | 48.1 | 46.4 | 44.7 | 44.7 | 44.7 |
| 31° | 70.9 | 63.3 | 57.4 | 52.3 | 48.9 | 46.4 | 44.7 | 43.9 | 43.0 | 43.0 |
| 32.5° | 66.7 | 59.9 | 54.0 | 49.8 | 46.4 | 43.9 | 42.2 | 41.3 | 41.3 | 40.5 |
| 35° | 61.6 | 54.9 | 49.8 | 45.6 | 43.0 | 40.5 | 38.8 | 38.0 | 38.0 | 38.0 |
| 37.5° | 56.5 | 50.6 | 45.6 | 42.2 | 39.7 | 37.1 | 36.3 | 34.6 | 34.6 | 34.6 |
| 40° | 51.5 | 46.4 | 42.2 | 38.8 | 36.3 | 34.6 | 33.8 | 32.9 | 32.1 | 32.1 |
| 42.5° | 47.3 | 42.2 | 38.8 | 36.3 | 33.8 | 32.1 | 31.2 | 30.4 | 30.4 | 29.5 |
| 45° | 43.0 | 38.8 | 36.3 | 33.8 | 31.2 | 30.4 | 29.5 | 28.7 | 27.8 | 27.8 |
| 47.5° | 39.7 | 36.3 | 32.9 | 31.2 | 29.5 | 27.8 | 27.0 | 27.0 | 26.2 | 26.2 |
| 50° | 36.3 | 32.9 | 30.4 | 28.7 | 27.0 | 26.2 | 25.3 | 25.3 | 24.5 | 24.5 |
| 52.5° | 33.8 | 30.4 | 28.7 | 27.0 | 25.3 | 24.5 | 23.6 | 23.6 | 22.8 | 22.8 |
| 55° | 30.4 | 27.8 | 26.2 | 25.3 | 23.6 | 22.8 | 21.9 | 21.1 | 21.1 | 21.9 |
| 57.5° | 27.8 | 26.2 | 24.5 | 23.6 | 21.9 | 21.1 | 20.3 | 20.3 | 19.4 | 20.3 |
| 60° | 25.3 | 23.6 | 21.9 | 21.1 | 20.3 | 19.4 | 18.6 | 17.7 | 17.7 | 17.7 |
| 62.5° | 22.8 | 21.1 | 20.3 | 18.6 | 17.7 | 17.7 | 16.9 | 16.9 | 16.9 | 16.0 |
| 65° | 19.4 | 18.6 | 17.7 | 16.9 | 16.0 | 15.2 | 15.2 | 14.3 | 14.3 | 14.3 |
| 67.5° | 16.0 | 15.2 | 14.3 | 14.3 | 13.5 | 12.7 | 12.7 | 12.7 | 12.7 | 11.8 |
| 70° | 12.7 | 11.8 | 11.8 | 11.0 | 11.0 | 11.0 | 10.1 | 10.1 | 10.1 | 10.1 |
| 72.5° | 9.3 | 9.3 | 8.4 | 8.4 | 8.4 | 8.4 | 7.6 | 7.6 | 7.6 | 7.6 |
| 75° | 6.8 | 6.8 | 6.8 | 5.9 | 5.9 | 5.9 | 5.1 | 5.1 | 5.1 | 5.1 |
| 77.5° | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 80° | 2.5 | 2.5 | 2.5 | 2.5 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 0.8 |
| 82.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 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)