

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: P1284263

Luminaire Tested: P3AS09R70B2750DE010 E3LSWW1H_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1284263
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: P3AS09R70B2750DE010 E3LSWW1H_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LSWW1H TRIM
Light Source: -
Ballast/Driver: -

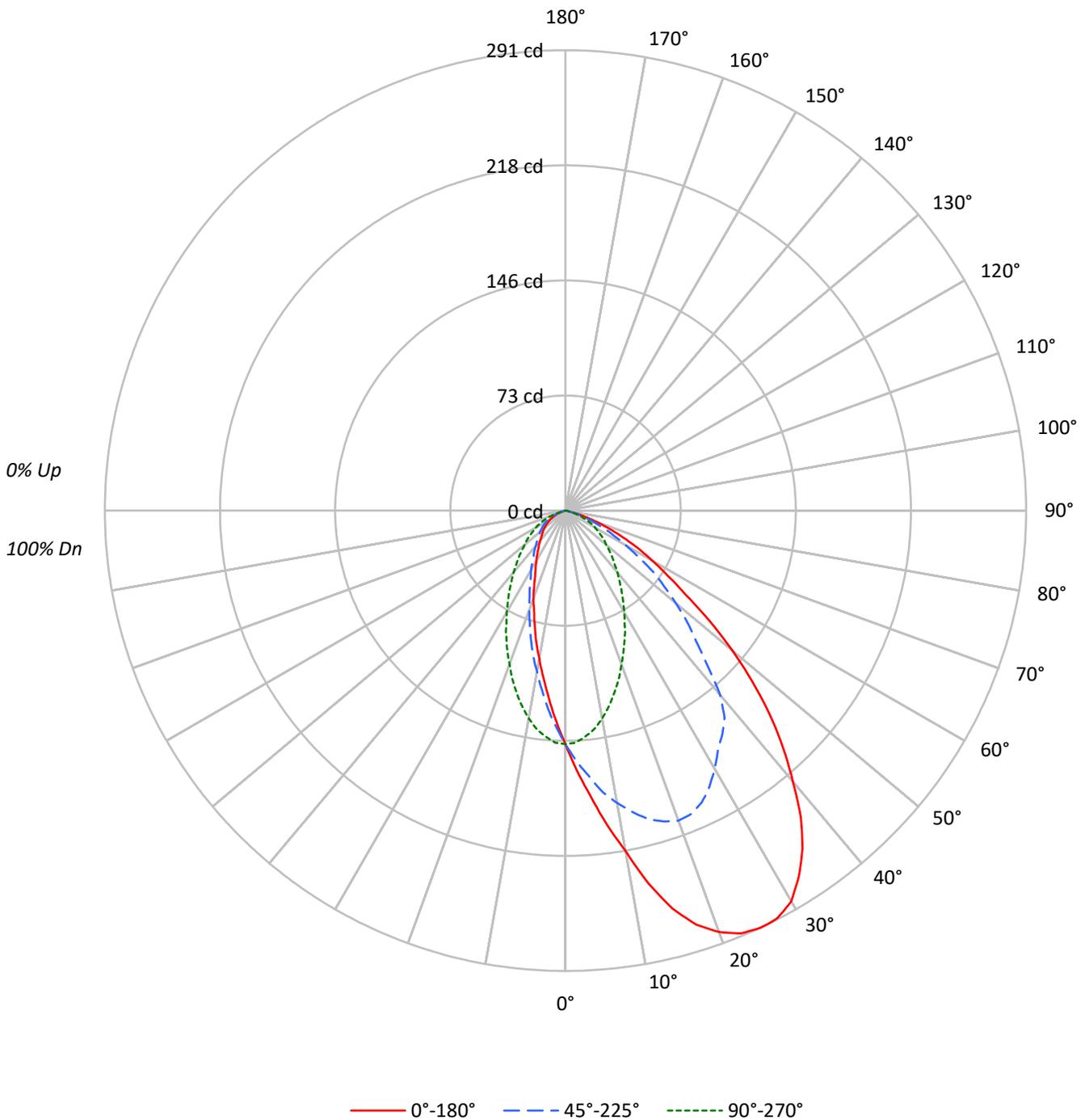
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 294.0 lumens
Efficiency: N/A
Efficacy: 22.4 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): 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: P1284263
CATALOG NUMBER: P3AS09R70B2750DE010 E3LSWW1H_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P1284263

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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 | 90 | 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° | 32366 | 32366 | 32366 | 32366 | 32366 |
| 5° | 39819 | 37068 | 31565 | 27713 | 26238 |
| 10° | 48652 | 41772 | 29703 | 23023 | 21175 |
| 15° | 59070 | 45812 | 27060 | 19115 | 17026 |
| 20° | 66156 | 48654 | 24129 | 15565 | 13815 |
| 25° | 70407 | 49237 | 21388 | 12920 | 10888 |
| 30° | 72214 | 47729 | 18788 | 10989 | 9293 |
| 35° | 69868 | 46204 | 16517 | 9369 | 8031 |
| 40° | 63977 | 43453 | 14570 | 8359 | 7156 |
| 45° | 56626 | 36190 | 12932 | 7753 | 6450 |
| 50° | 46941 | 31010 | 11394 | 7096 | 5970 |
| 55° | 35401 | 25806 | 10513 | 6690 | 5429 |
| 60° | 27805 | 19384 | 9517 | 6228 | 4736 |
| 65° | 20754 | 14269 | 8198 | 5189 | 3891 |
| 70° | 13336 | 9104 | 5898 | 3719 | 2116 |
| 75° | 5676 | 4914 | 2796 | 1440 | 678 |
| 80° | 1010 | 1010 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 56626 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 14.0 | 4.8 |
| 10°-20° | 40.3 | 13.7 |
| 20°-30° | 58.9 | 20.0 |
| 30°-40° | 64.2 | 21.8 |
| 40°-50° | 55.6 | 18.9 |
| 50°-60° | 37.2 | 12.7 |
| 60°-70° | 19.2 | 6.5 |
| 70°-80° | 4.5 | 1.5 |
| 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° | 113.2 | 38.5 |
| 0°-40° | 177.4 | 60.4 |
| 0°-60° | 270.2 | 91.9 |
| 0°-90° | 294.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 294.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 148 | 148 | 148 | 148 | 148 | |
| 5° | 181 | 168 | 143 | 126 | 119 | 18 |
| 15° | 260 | 202 | 119 | 84 | 75 | 74 |
| 25° | 291 | 204 | 88 | 53 | 45 | 134 |
| 35° | 261 | 173 | 62 | 35 | 30 | 162 |
| 45° | 183 | 117 | 42 | 25 | 21 | 140 |
| 55° | 93 | 68 | 28 | 18 | 14 | 86 |
| 65° | 40 | 28 | 16 | 10 | 8 | 40 |
| 75° | 7 | 6 | 3 | 2 | 1 | 9 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1284263
 CATALOG NUMBER: P3AS09R70B2750DE010 E3LSWW1H_3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 |
| 2.5° | 164.3 | 163.4 | 163.4 | 161.8 | 160.1 | 158.4 | 155.9 | 153.4 | 150.9 | 148.4 | 146.8 |
| 5° | 180.9 | 181.8 | 180.9 | 177.6 | 173.4 | 168.4 | 163.4 | 157.6 | 151.8 | 146.8 | 143.4 |
| 7.5° | 200.1 | 200.1 | 197.6 | 193.5 | 187.6 | 179.3 | 170.9 | 160.9 | 151.8 | 143.4 | 139.3 |
| 10° | 218.5 | 218.5 | 214.3 | 207.6 | 198.5 | 187.6 | 175.9 | 162.6 | 150.1 | 138.4 | 133.4 |
| 12.5° | 241.0 | 240.2 | 235.1 | 224.3 | 211.0 | 195.1 | 179.3 | 162.6 | 147.6 | 133.4 | 126.7 |
| 15° | 260.2 | 259.3 | 252.7 | 239.3 | 221.8 | 201.8 | 180.1 | 160.9 | 142.6 | 126.7 | 119.2 |
| 17.5° | 274.3 | 272.7 | 265.2 | 251.0 | 231.0 | 206.0 | 180.9 | 157.6 | 136.8 | 119.2 | 111.7 |
| 20° | 283.5 | 282.7 | 274.3 | 257.7 | 236.0 | 208.5 | 180.1 | 153.4 | 130.9 | 111.7 | 103.4 |
| 22.5° | 289.3 | 287.7 | 279.3 | 261.0 | 236.0 | 207.6 | 176.8 | 147.6 | 123.4 | 104.2 | 95.9 |
| 25° | 291.0 | 290.2 | 280.2 | 260.2 | 233.5 | 203.5 | 171.8 | 141.8 | 115.9 | 96.7 | 88.4 |
| 26° | 291.0 | 290.2 | 280.2 | 259.3 | 231.8 | 201.0 | 169.3 | 139.3 | 113.4 | 93.4 | 85.9 |
| 27.5° | 290.2 | 289.3 | 278.5 | 256.8 | 228.5 | 196.8 | 164.3 | 134.3 | 108.4 | 89.2 | 80.9 |
| 30° | 285.2 | 283.5 | 272.7 | 251.0 | 221.0 | 188.5 | 155.9 | 126.7 | 100.9 | 81.7 | 74.2 |
| 32.5° | 274.3 | 272.7 | 261.0 | 241.0 | 212.6 | 179.3 | 146.8 | 118.4 | 93.4 | 74.2 | 67.5 |
| 35° | 261.0 | 259.3 | 247.7 | 228.5 | 201.0 | 172.6 | 136.8 | 109.2 | 85.1 | 68.4 | 61.7 |
| 37.5° | 244.3 | 241.8 | 231.8 | 211.8 | 186.8 | 165.1 | 128.4 | 100.1 | 77.5 | 61.7 | 55.9 |
| 40° | 223.5 | 222.6 | 213.5 | 195.1 | 170.1 | 151.8 | 123.4 | 100.1 | 70.9 | 55.9 | 50.9 |
| 42.5° | 203.5 | 201.8 | 193.5 | 177.6 | 155.1 | 132.6 | 108.4 | 95.9 | 65.9 | 50.0 | 45.9 |
| 45° | 182.6 | 180.9 | 173.4 | 160.1 | 139.3 | 116.7 | 116.7 | 82.6 | 56.7 | 45.9 | 41.7 |
| 47.5° | 160.1 | 158.4 | 152.6 | 142.6 | 124.2 | 104.2 | 85.1 | 67.5 | 51.7 | 40.9 | 37.5 |
| 50° | 137.6 | 138.4 | 133.4 | 123.4 | 109.2 | 90.9 | 73.4 | 56.7 | 44.2 | 36.7 | 33.4 |
| 52.5° | 115.1 | 114.2 | 110.9 | 104.2 | 94.2 | 78.4 | 62.5 | 48.4 | 38.4 | 32.5 | 30.9 |
| 55° | 92.6 | 93.4 | 91.7 | 87.6 | 79.2 | 67.5 | 52.5 | 41.7 | 34.2 | 29.2 | 27.5 |
| 57.5° | 76.7 | 77.5 | 74.2 | 71.7 | 65.0 | 55.0 | 43.4 | 35.0 | 29.2 | 25.8 | 24.2 |
| 60° | 63.4 | 64.2 | 61.7 | 58.4 | 53.4 | 44.2 | 35.0 | 29.2 | 25.8 | 23.3 | 21.7 |
| 62.5° | 51.7 | 50.9 | 49.2 | 45.9 | 41.7 | 35.0 | 28.4 | 24.2 | 21.7 | 20.0 | 19.2 |
| 65° | 40.0 | 40.0 | 38.4 | 35.9 | 32.5 | 27.5 | 22.5 | 20.0 | 18.3 | 16.7 | 15.8 |
| 67.5° | 30.0 | 30.0 | 28.4 | 26.7 | 23.3 | 20.0 | 17.5 | 15.8 | 15.0 | 13.3 | 12.5 |
| 70° | 20.8 | 20.8 | 20.0 | 19.2 | 16.7 | 14.2 | 13.3 | 11.7 | 10.8 | 10.0 | 9.2 |
| 72.5° | 13.3 | 13.3 | 13.3 | 11.7 | 10.8 | 9.2 | 9.2 | 8.3 | 7.5 | 6.7 | 6.7 |
| 75° | 6.7 | 7.5 | 6.7 | 6.7 | 5.8 | 5.8 | 5.0 | 5.0 | 4.2 | 4.2 | 3.3 |
| 77.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 80° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 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° | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 |
| 2.5° | 145.1 | 142.6 | 140.9 | 138.4 | 136.8 | 135.1 | 134.3 | 133.4 | 133.4 | 133.4 |
| 5° | 140.9 | 136.8 | 132.6 | 128.4 | 125.9 | 123.4 | 120.9 | 120.1 | 119.2 | 119.2 |
| 7.5° | 135.9 | 129.2 | 123.4 | 118.4 | 114.2 | 111.7 | 109.2 | 107.6 | 106.7 | 106.7 |
| 10° | 129.2 | 120.9 | 114.2 | 107.6 | 103.4 | 100.1 | 98.4 | 95.9 | 95.9 | 95.1 |
| 12.5° | 121.7 | 111.7 | 104.2 | 98.4 | 94.2 | 90.1 | 87.6 | 85.9 | 85.1 | 85.1 |
| 15° | 113.4 | 103.4 | 95.1 | 88.4 | 84.2 | 80.1 | 77.5 | 75.9 | 75.0 | 75.0 |
| 17.5° | 105.1 | 94.2 | 85.9 | 79.2 | 75.0 | 70.9 | 68.4 | 66.7 | 66.7 | 65.9 |
| 20° | 96.7 | 85.9 | 77.5 | 70.9 | 66.7 | 63.4 | 60.9 | 59.2 | 58.4 | 59.2 |
| 22.5° | 89.2 | 78.4 | 70.0 | 64.2 | 59.2 | 55.9 | 53.4 | 52.5 | 51.7 | 51.7 |
| 25° | 80.9 | 70.9 | 63.4 | 57.5 | 53.4 | 50.0 | 47.5 | 46.7 | 45.9 | 45.0 |
| 26° | 78.4 | 68.4 | 60.9 | 55.0 | 50.9 | 47.5 | 45.9 | 44.2 | 43.4 | 43.4 |
| 27.5° | 75.0 | 64.2 | 57.5 | 51.7 | 47.5 | 45.0 | 42.5 | 41.7 | 40.9 | 40.9 |
| 30° | 67.5 | 58.4 | 51.7 | 46.7 | 43.4 | 40.0 | 38.4 | 37.5 | 36.7 | 36.7 |
| 32.5° | 61.7 | 52.5 | 46.7 | 42.5 | 39.2 | 36.7 | 35.0 | 33.4 | 33.4 | 33.4 |
| 35° | 55.9 | 47.5 | 42.5 | 38.4 | 35.0 | 32.5 | 31.7 | 30.9 | 30.0 | 30.0 |
| 37.5° | 50.9 | 43.4 | 38.4 | 35.0 | 32.5 | 30.0 | 28.4 | 27.5 | 27.5 | 27.5 |
| 40° | 45.9 | 40.0 | 35.0 | 31.7 | 29.2 | 27.5 | 25.8 | 25.0 | 25.0 | 25.0 |
| 42.5° | 41.7 | 35.9 | 32.5 | 29.2 | 26.7 | 25.0 | 24.2 | 23.3 | 22.5 | 22.5 |
| 45° | 38.4 | 33.4 | 29.2 | 26.7 | 25.0 | 23.3 | 21.7 | 20.8 | 20.8 | 20.8 |
| 47.5° | 34.2 | 30.9 | 26.7 | 24.2 | 22.5 | 20.8 | 20.0 | 19.2 | 19.2 | 19.2 |
| 50° | 31.7 | 28.4 | 25.0 | 22.5 | 20.8 | 19.2 | 18.3 | 17.5 | 17.5 | 17.5 |
| 52.5° | 28.4 | 25.8 | 23.3 | 20.8 | 19.2 | 17.5 | 16.7 | 15.8 | 15.8 | 15.8 |
| 55° | 25.8 | 23.3 | 20.8 | 19.2 | 17.5 | 15.8 | 15.0 | 14.2 | 14.2 | 14.2 |
| 57.5° | 23.3 | 20.8 | 19.2 | 17.5 | 15.8 | 15.0 | 13.3 | 13.3 | 12.5 | 12.5 |
| 60° | 20.8 | 18.3 | 16.7 | 15.8 | 14.2 | 13.3 | 11.7 | 10.8 | 10.8 | 10.8 |
| 62.5° | 17.5 | 16.7 | 15.0 | 13.3 | 11.7 | 10.8 | 10.0 | 9.2 | 9.2 | 9.2 |
| 65° | 15.0 | 14.2 | 12.5 | 10.8 | 10.0 | 9.2 | 8.3 | 7.5 | 7.5 | 7.5 |
| 67.5° | 12.5 | 10.8 | 10.0 | 9.2 | 8.3 | 7.5 | 6.7 | 5.8 | 5.0 | 5.8 |
| 70° | 9.2 | 8.3 | 7.5 | 6.7 | 5.8 | 5.0 | 4.2 | 4.2 | 3.3 | 3.3 |
| 72.5° | 5.8 | 5.0 | 5.0 | 4.2 | 3.3 | 3.3 | 2.5 | 2.5 | 1.7 | 1.7 |
| 75° | 3.3 | 3.3 | 2.5 | 2.5 | 1.7 | 1.7 | 0.8 | 0.8 | 0.8 | 0.8 |
| 77.5° | 1.7 | 0.8 | 0.8 | 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)