

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: P3ART05R70W2N902750DE010 E3CLSWW1MB_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 (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART05R70W2N902750DE010 E3CLSWW1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
E3CLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

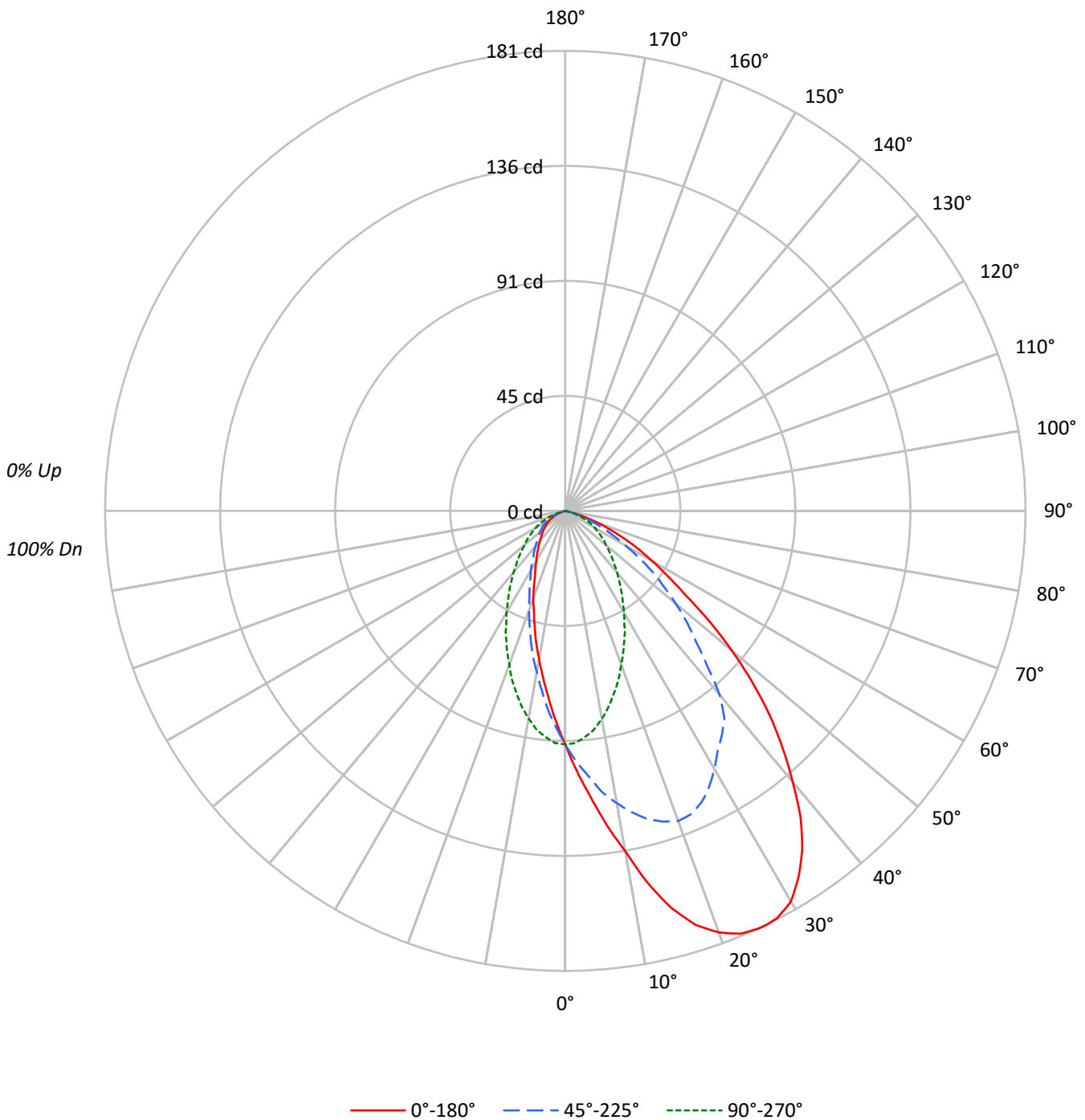
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 183.0 lumens
Efficiency: N/A
Efficacy: 31.0 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): 5.9
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: P3ART05R70W2N902750DE010 E3CLSWW1MB_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART05R70W2N902750DE010 E3CLSWW1MB_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 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 89 | | | | 89 |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 85 | 81 | 85 | 82 | 80 | 78 | | | | 78 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 | | | | 68 |
| 4 | 88 | 78 | 70 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | | | | 60 |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 62 | 57 | 68 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 53 | | | | 53 |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 51 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 47 | | | | 47 |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | | | | 43 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 | | | | 39 |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | | 35 |
| 10 | 59 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | | 32 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 20152 | 20152 | 20152 | 20152 | 20152 |
| 5° | 24785 | 23068 | 19657 | 17257 | 16333 |
| 10° | 30282 | 26007 | 18481 | 14340 | 13182 |
| 15° | 36754 | 28513 | 16845 | 11896 | 10602 |
| 20° | 41187 | 30289 | 15028 | 9684 | 8611 |
| 25° | 43817 | 30631 | 13307 | 8033 | 6775 |
| 30° | 44944 | 29701 | 11698 | 6836 | 5773 |
| 35° | 43500 | 28750 | 10279 | 5836 | 5006 |
| 40° | 39817 | 27051 | 9074 | 5210 | 4466 |
| 45° | 35259 | 22545 | 8063 | 4838 | 4031 |
| 50° | 29202 | 19309 | 7096 | 4435 | 3718 |
| 55° | 22021 | 16057 | 6537 | 4167 | 3364 |
| 60° | 17279 | 12060 | 5921 | 3859 | 2938 |
| 65° | 12920 | 8873 | 5137 | 3217 | 2439 |
| 70° | 8335 | 5642 | 3654 | 2308 | 1346 |
| 75° | 3558 | 3050 | 1779 | 847 | 424 |
| 80° | 631 | 631 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 35259 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART05R70W2N902750DE010 E3CLSWW1MB_2700K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 8.7 | 4.8 |
| 10°-20° | 25.1 | 13.7 |
| 20°-30° | 36.7 | 20.0 |
| 30°-40° | 40.0 | 21.8 |
| 40°-50° | 34.6 | 18.9 |
| 50°-60° | 23.2 | 12.7 |
| 60°-70° | 12.0 | 6.5 |
| 70°-80° | 2.8 | 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° | 70.5 | 38.5 |
| 0°-40° | 110.4 | 60.3 |
| 0°-60° | 168.2 | 91.9 |
| 0°-90° | 183.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 183.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 92 | 92 | 92 | 92 | 92 | |
| 5° | 113 | 105 | 89 | 78 | 74 | 11 |
| 15° | 162 | 126 | 74 | 52 | 47 | 46 |
| 25° | 181 | 127 | 55 | 33 | 28 | 83 |
| 35° | 162 | 107 | 38 | 22 | 19 | 101 |
| 45° | 114 | 73 | 26 | 16 | 13 | 87 |
| 55° | 58 | 42 | 17 | 11 | 9 | 53 |
| 65° | 25 | 17 | 10 | 6 | 5 | 25 |
| 75° | 4 | 4 | 2 | 1 | 0 | 5 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART05R70W2N902750DE010 E3CLSWW1MB_2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 0° | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| 2.5° | 102.3 | 101.7 | 101.7 | 100.7 | 99.7 | 98.6 | 97.1 | 95.5 | 93.9 | 92.4 | 91.4 |
| 5° | 112.6 | 113.1 | 112.6 | 110.6 | 108.0 | 104.8 | 101.7 | 98.1 | 94.5 | 91.4 | 89.3 |
| 7.5° | 124.6 | 124.6 | 123.0 | 120.4 | 116.8 | 111.6 | 106.4 | 100.2 | 94.5 | 89.3 | 86.7 |
| 10° | 136.0 | 136.0 | 133.4 | 129.2 | 123.5 | 116.8 | 109.5 | 101.2 | 93.4 | 86.2 | 83.0 |
| 12.5° | 150.0 | 149.5 | 146.4 | 139.6 | 131.3 | 121.5 | 111.6 | 101.2 | 91.9 | 83.0 | 78.9 |
| 15° | 161.9 | 161.4 | 157.3 | 149.0 | 138.1 | 125.6 | 112.1 | 100.2 | 88.8 | 78.9 | 74.2 |
| 17.5° | 170.8 | 169.7 | 165.1 | 156.2 | 143.8 | 128.2 | 112.6 | 98.1 | 85.1 | 74.2 | 69.6 |
| 20° | 176.5 | 176.0 | 170.8 | 160.4 | 146.9 | 129.8 | 112.1 | 95.5 | 81.5 | 69.6 | 64.4 |
| 22.5° | 180.1 | 179.1 | 173.9 | 162.5 | 146.9 | 129.2 | 110.0 | 91.9 | 76.8 | 64.9 | 59.7 |
| 25° | 181.1 | 180.6 | 174.4 | 161.9 | 145.3 | 126.6 | 106.9 | 88.2 | 72.1 | 60.2 | 55.0 |
| 26° | 181.1 | 180.6 | 174.4 | 161.4 | 144.3 | 125.1 | 105.4 | 86.7 | 70.6 | 58.1 | 53.5 |
| 27.5° | 180.6 | 180.1 | 173.4 | 159.9 | 142.2 | 122.5 | 102.3 | 83.6 | 67.5 | 55.5 | 50.3 |
| 30° | 177.5 | 176.5 | 169.7 | 156.2 | 137.5 | 117.3 | 97.1 | 78.9 | 62.8 | 50.9 | 46.2 |
| 32.5° | 170.8 | 169.7 | 162.5 | 150.0 | 132.4 | 111.6 | 91.4 | 73.7 | 58.1 | 46.2 | 42.0 |
| 35° | 162.5 | 161.4 | 154.2 | 142.2 | 125.1 | 107.4 | 85.1 | 68.0 | 52.9 | 42.6 | 38.4 |
| 37.5° | 152.1 | 150.5 | 144.3 | 131.8 | 116.3 | 102.8 | 79.9 | 62.3 | 48.3 | 38.4 | 34.8 |
| 40° | 139.1 | 138.6 | 132.9 | 121.5 | 105.9 | 94.5 | 76.8 | 62.3 | 44.1 | 34.8 | 31.7 |
| 42.5° | 126.6 | 125.6 | 120.4 | 110.6 | 96.5 | 82.5 | 67.5 | 59.7 | 41.0 | 31.1 | 28.5 |
| 45° | 113.7 | 112.6 | 108.0 | 99.7 | 86.7 | 72.7 | 72.7 | 51.4 | 35.3 | 28.5 | 26.0 |
| 47.5° | 99.7 | 98.6 | 95.0 | 88.8 | 77.3 | 64.9 | 52.9 | 42.0 | 32.2 | 25.4 | 23.4 |
| 50° | 85.6 | 86.2 | 83.0 | 76.8 | 68.0 | 56.6 | 45.7 | 35.3 | 27.5 | 22.8 | 20.8 |
| 52.5° | 71.6 | 71.1 | 69.0 | 64.9 | 58.7 | 48.8 | 38.9 | 30.1 | 23.9 | 20.2 | 19.2 |
| 55° | 57.6 | 58.1 | 57.1 | 54.5 | 49.3 | 42.0 | 32.7 | 26.0 | 21.3 | 18.2 | 17.1 |
| 57.5° | 47.8 | 48.3 | 46.2 | 44.6 | 40.5 | 34.3 | 27.0 | 21.8 | 18.2 | 16.1 | 15.1 |
| 60° | 39.4 | 40.0 | 38.4 | 36.3 | 33.2 | 27.5 | 21.8 | 18.2 | 16.1 | 14.5 | 13.5 |
| 62.5° | 32.2 | 31.7 | 30.6 | 28.5 | 26.0 | 21.8 | 17.6 | 15.1 | 13.5 | 12.5 | 11.9 |
| 65° | 24.9 | 24.9 | 23.9 | 22.3 | 20.2 | 17.1 | 14.0 | 12.5 | 11.4 | 10.4 | 9.9 |
| 67.5° | 18.7 | 18.7 | 17.6 | 16.6 | 14.5 | 12.5 | 10.9 | 9.9 | 9.3 | 8.3 | 7.8 |
| 70° | 13.0 | 13.0 | 12.5 | 11.9 | 10.4 | 8.8 | 8.3 | 7.3 | 6.7 | 6.2 | 5.7 |
| 72.5° | 8.3 | 8.3 | 8.3 | 7.3 | 6.7 | 5.7 | 5.7 | 5.2 | 4.7 | 4.2 | 4.2 |
| 75° | 4.2 | 4.7 | 4.2 | 4.2 | 3.6 | 3.6 | 3.1 | 3.1 | 2.6 | 2.6 | 2.1 |
| 77.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 80° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 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: P3ART05R70W2N902750DE010 E3CLSWW1MB_2700K

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 0° | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| 2.5° | 90.3 | 88.8 | 87.7 | 86.2 | 85.1 | 84.1 | 83.6 | 83.0 | 83.0 | 83.0 |
| 5° | 87.7 | 85.1 | 82.5 | 79.9 | 78.4 | 76.8 | 75.3 | 74.7 | 74.2 | 74.2 |
| 7.5° | 84.6 | 80.5 | 76.8 | 73.7 | 71.1 | 69.6 | 68.0 | 67.0 | 66.4 | 66.4 |
| 10° | 80.5 | 75.3 | 71.1 | 67.0 | 64.4 | 62.3 | 61.2 | 59.7 | 59.7 | 59.2 |
| 12.5° | 75.8 | 69.6 | 64.9 | 61.2 | 58.7 | 56.1 | 54.5 | 53.5 | 52.9 | 52.9 |
| 15° | 70.6 | 64.4 | 59.2 | 55.0 | 52.4 | 49.8 | 48.3 | 47.2 | 46.7 | 46.7 |
| 17.5° | 65.4 | 58.7 | 53.5 | 49.3 | 46.7 | 44.1 | 42.6 | 41.5 | 41.5 | 41.0 |
| 20° | 60.2 | 53.5 | 48.3 | 44.1 | 41.5 | 39.4 | 37.9 | 36.9 | 36.3 | 36.9 |
| 22.5° | 55.5 | 48.8 | 43.6 | 40.0 | 36.9 | 34.8 | 33.2 | 32.7 | 32.2 | 32.2 |
| 25° | 50.3 | 44.1 | 39.4 | 35.8 | 33.2 | 31.1 | 29.6 | 29.1 | 28.5 | 28.0 |
| 26° | 48.8 | 42.6 | 37.9 | 34.3 | 31.7 | 29.6 | 28.5 | 27.5 | 27.0 | 27.0 |
| 27.5° | 46.7 | 40.0 | 35.8 | 32.2 | 29.6 | 28.0 | 26.5 | 26.0 | 25.4 | 25.4 |
| 30° | 42.0 | 36.3 | 32.2 | 29.1 | 27.0 | 24.9 | 23.9 | 23.4 | 22.8 | 22.8 |
| 32.5° | 38.4 | 32.7 | 29.1 | 26.5 | 24.4 | 22.8 | 21.8 | 20.8 | 20.8 | 20.8 |
| 35° | 34.8 | 29.6 | 26.5 | 23.9 | 21.8 | 20.2 | 19.7 | 19.2 | 18.7 | 18.7 |
| 37.5° | 31.7 | 27.0 | 23.9 | 21.8 | 20.2 | 18.7 | 17.6 | 17.1 | 17.1 | 17.1 |
| 40° | 28.5 | 24.9 | 21.8 | 19.7 | 18.2 | 17.1 | 16.1 | 15.6 | 15.6 | 15.6 |
| 42.5° | 26.0 | 22.3 | 20.2 | 18.2 | 16.6 | 15.6 | 15.1 | 14.5 | 14.0 | 14.0 |
| 45° | 23.9 | 20.8 | 18.2 | 16.6 | 15.6 | 14.5 | 13.5 | 13.0 | 13.0 | 13.0 |
| 47.5° | 21.3 | 19.2 | 16.6 | 15.1 | 14.0 | 13.0 | 12.5 | 11.9 | 11.9 | 11.9 |
| 50° | 19.7 | 17.6 | 15.6 | 14.0 | 13.0 | 11.9 | 11.4 | 10.9 | 10.9 | 10.9 |
| 52.5° | 17.6 | 16.1 | 14.5 | 13.0 | 11.9 | 10.9 | 10.4 | 9.9 | 9.9 | 9.9 |
| 55° | 16.1 | 14.5 | 13.0 | 11.9 | 10.9 | 9.9 | 9.3 | 8.8 | 8.8 | 8.8 |
| 57.5° | 14.5 | 13.0 | 11.9 | 10.9 | 9.9 | 9.3 | 8.3 | 8.3 | 7.8 | 7.8 |
| 60° | 13.0 | 11.4 | 10.4 | 9.9 | 8.8 | 8.3 | 7.3 | 6.7 | 6.7 | 6.7 |
| 62.5° | 10.9 | 10.4 | 9.3 | 8.3 | 7.3 | 6.7 | 6.2 | 5.7 | 5.7 | 5.7 |
| 65° | 9.3 | 8.8 | 7.8 | 6.7 | 6.2 | 5.7 | 5.2 | 4.7 | 4.7 | 4.7 |
| 67.5° | 7.8 | 6.7 | 6.2 | 5.7 | 5.2 | 4.7 | 4.2 | 3.6 | 3.1 | 3.6 |
| 70° | 5.7 | 5.2 | 4.7 | 4.2 | 3.6 | 3.1 | 2.6 | 2.6 | 2.1 | 2.1 |
| 72.5° | 3.6 | 3.1 | 3.1 | 2.6 | 2.1 | 2.1 | 1.6 | 1.6 | 1.0 | 1.0 |
| 75° | 2.1 | 2.1 | 1.6 | 1.6 | 1.0 | 1.0 | 0.5 | 0.5 | 0.5 | 0.5 |
| 77.5° | 1.0 | 0.5 | 0.5 | 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)