

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 E3CLSWW1MW_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: P3ART05R70W2N902750DE010 E3CLSWW1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

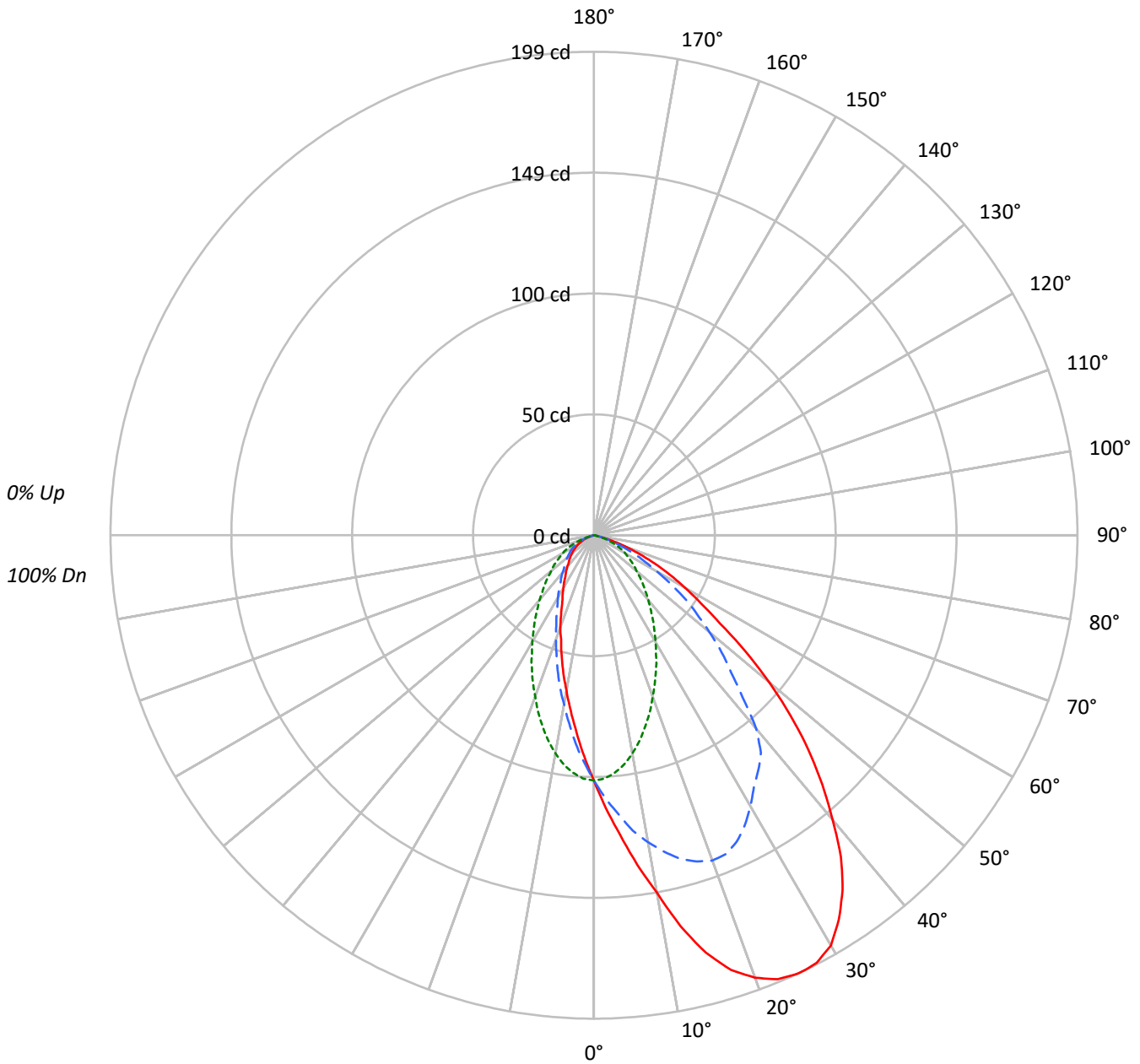
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 201.0 lumens
Efficiency: N/A
Efficacy: 34.1 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 E3CLSWW1MW_3000K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P#
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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 |
| 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° | 22125 | 22125 | 22125 | 22125 | 22125 |
| 5° | 27229 | 25358 | 21594 | 18952 | 17940 |
| 10° | 33266 | 28568 | 20307 | 15742 | 14473 |
| 15° | 40386 | 31328 | 18502 | 13076 | 11646 |
| 20° | 45224 | 33253 | 16498 | 10641 | 9451 |
| 25° | 48148 | 33655 | 14614 | 8831 | 7452 |
| 30° | 49375 | 32613 | 12837 | 7495 | 6355 |
| 35° | 47756 | 31588 | 11297 | 6398 | 5488 |
| 40° | 43739 | 29713 | 9962 | 5725 | 4895 |
| 45° | 38702 | 24747 | 8838 | 5303 | 4435 |
| 50° | 32101 | 21185 | 7778 | 4878 | 4094 |
| 55° | 24200 | 17662 | 7187 | 4588 | 3708 |
| 60° | 18990 | 13245 | 6491 | 4254 | 3245 |
| 65° | 14217 | 9755 | 5604 | 3528 | 2646 |
| 70° | 9168 | 6219 | 4039 | 2565 | 1475 |
| 75° | 3897 | 3389 | 1949 | 932 | 508 |
| 80° | 758 | 758 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 38702 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 9.6 | 4.8 |
| 10°-20° | 27.5 | 13.7 |
| 20°-30° | 40.3 | 20.0 |
| 30°-40° | 43.9 | 21.8 |
| 40°-50° | 38.0 | 18.9 |
| 50°-60° | 25.4 | 12.7 |
| 60°-70° | 13.1 | 6.5 |
| 70°-80° | 3.1 | 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° | 77.4 | 38.5 |
| 0°-40° | 121.3 | 60.3 |
| 0°-60° | 184.7 | 91.9 |
| 0°-90° | 201.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 201.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 101 | 101 | 101 | 101 | 101 | |
| 5° | 124 | 115 | 98 | 86 | 82 | 13 |
| 15° | 178 | 138 | 82 | 58 | 51 | 50 |
| 25° | 199 | 139 | 60 | 36 | 31 | 91 |
| 35° | 178 | 118 | 42 | 24 | 20 | 111 |
| 45° | 125 | 80 | 28 | 17 | 14 | 96 |
| 55° | 63 | 46 | 19 | 12 | 10 | 59 |
| 65° | 27 | 19 | 11 | 7 | 5 | 28 |
| 75° | 5 | 4 | 2 | 1 | 1 | 6 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART05R70W2N902750DE010 E3CLSWW1MW_3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 |
| 2.5° | 112.3 | 111.7 | 111.7 | 110.6 | 109.5 | 108.3 | 106.6 | 104.9 | 103.2 | 101.5 | 100.3 |
| 5° | 123.7 | 124.3 | 123.7 | 121.4 | 118.6 | 115.2 | 111.7 | 107.7 | 103.8 | 100.3 | 98.1 |
| 7.5° | 136.8 | 136.8 | 135.1 | 132.3 | 128.3 | 122.6 | 116.9 | 110.0 | 103.8 | 98.1 | 95.2 |
| 10° | 149.4 | 149.4 | 146.5 | 142.0 | 135.7 | 128.3 | 120.3 | 111.2 | 102.6 | 94.6 | 91.2 |
| 12.5° | 164.8 | 164.2 | 160.8 | 153.4 | 144.2 | 133.4 | 122.6 | 111.2 | 100.9 | 91.2 | 86.7 |
| 15° | 177.9 | 177.3 | 172.7 | 163.6 | 151.6 | 138.0 | 123.1 | 110.0 | 97.5 | 86.7 | 81.5 |
| 17.5° | 187.6 | 186.4 | 181.3 | 171.6 | 157.9 | 140.8 | 123.7 | 107.7 | 93.5 | 81.5 | 76.4 |
| 20° | 193.8 | 193.3 | 187.6 | 176.2 | 161.3 | 142.5 | 123.1 | 104.9 | 89.5 | 76.4 | 70.7 |
| 22.5° | 197.8 | 196.7 | 191.0 | 178.4 | 161.3 | 142.0 | 120.9 | 100.9 | 84.4 | 71.3 | 65.6 |
| 25° | 199.0 | 198.4 | 191.5 | 177.9 | 159.6 | 139.1 | 117.4 | 96.9 | 79.2 | 66.1 | 60.4 |
| 26° | 199.0 | 198.4 | 191.5 | 177.3 | 158.5 | 137.4 | 115.7 | 95.2 | 77.5 | 63.8 | 58.7 |
| 27.5° | 198.4 | 197.8 | 190.4 | 175.6 | 156.2 | 134.5 | 112.3 | 91.8 | 74.1 | 61.0 | 55.3 |
| 30° | 195.0 | 193.8 | 186.4 | 171.6 | 151.1 | 128.8 | 106.6 | 86.7 | 69.0 | 55.9 | 50.7 |
| 32.5° | 187.6 | 186.4 | 178.4 | 164.8 | 145.4 | 122.6 | 100.3 | 81.0 | 63.8 | 50.7 | 46.2 |
| 35° | 178.4 | 177.3 | 169.3 | 156.2 | 137.4 | 118.0 | 93.5 | 74.7 | 58.1 | 46.7 | 42.2 |
| 37.5° | 167.0 | 165.3 | 158.5 | 144.8 | 127.7 | 112.9 | 87.8 | 68.4 | 53.0 | 42.2 | 38.2 |
| 40° | 152.8 | 152.2 | 145.9 | 133.4 | 116.3 | 103.8 | 84.4 | 68.4 | 48.5 | 38.2 | 34.8 |
| 42.5° | 139.1 | 138.0 | 132.3 | 121.4 | 106.0 | 90.6 | 74.1 | 65.6 | 45.0 | 34.2 | 31.4 |
| 45° | 124.8 | 123.7 | 118.6 | 109.5 | 95.2 | 79.8 | 79.8 | 56.4 | 38.8 | 31.4 | 28.5 |
| 47.5° | 109.5 | 108.3 | 104.3 | 97.5 | 84.9 | 71.3 | 58.1 | 46.2 | 35.3 | 27.9 | 25.7 |
| 50° | 94.1 | 94.6 | 91.2 | 84.4 | 74.7 | 62.1 | 50.2 | 38.8 | 30.2 | 25.1 | 22.8 |
| 52.5° | 78.7 | 78.1 | 75.8 | 71.3 | 64.4 | 53.6 | 42.8 | 33.1 | 26.2 | 22.2 | 21.1 |
| 55° | 63.3 | 63.8 | 62.7 | 59.9 | 54.2 | 46.2 | 35.9 | 28.5 | 23.4 | 20.0 | 18.8 |
| 57.5° | 52.4 | 53.0 | 50.7 | 49.0 | 44.5 | 37.6 | 29.6 | 23.9 | 20.0 | 17.7 | 16.5 |
| 60° | 43.3 | 43.9 | 42.2 | 39.9 | 36.5 | 30.2 | 23.9 | 20.0 | 17.7 | 16.0 | 14.8 |
| 62.5° | 35.3 | 34.8 | 33.6 | 31.4 | 28.5 | 23.9 | 19.4 | 16.5 | 14.8 | 13.7 | 13.1 |
| 65° | 27.4 | 27.4 | 26.2 | 24.5 | 22.2 | 18.8 | 15.4 | 13.7 | 12.5 | 11.4 | 10.8 |
| 67.5° | 20.5 | 20.5 | 19.4 | 18.2 | 16.0 | 13.7 | 12.0 | 10.8 | 10.3 | 9.1 | 8.6 |
| 70° | 14.3 | 14.3 | 13.7 | 13.1 | 11.4 | 9.7 | 9.1 | 8.0 | 7.4 | 6.8 | 6.3 |
| 72.5° | 9.1 | 9.1 | 9.1 | 8.0 | 7.4 | 6.3 | 6.3 | 5.7 | 5.1 | 4.6 | 4.6 |
| 75° | 4.6 | 5.1 | 4.6 | 4.6 | 4.0 | 4.0 | 3.4 | 3.4 | 2.9 | 2.9 | 2.3 |
| 77.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 80° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 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° | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 |
| 2.5° | 99.2 | 97.5 | 96.3 | 94.6 | 93.5 | 92.4 | 91.8 | 91.2 | 91.2 | 91.2 |
| 5° | 96.3 | 93.5 | 90.6 | 87.8 | 86.1 | 84.4 | 82.7 | 82.1 | 81.5 | 81.5 |
| 7.5° | 92.9 | 88.4 | 84.4 | 81.0 | 78.1 | 76.4 | 74.7 | 73.5 | 73.0 | 73.0 |
| 10° | 88.4 | 82.7 | 78.1 | 73.5 | 70.7 | 68.4 | 67.3 | 65.6 | 65.6 | 65.0 |
| 12.5° | 83.2 | 76.4 | 71.3 | 67.3 | 64.4 | 61.6 | 59.9 | 58.7 | 58.1 | 58.1 |
| 15° | 77.5 | 70.7 | 65.0 | 60.4 | 57.6 | 54.7 | 53.0 | 51.9 | 51.3 | 51.3 |
| 17.5° | 71.8 | 64.4 | 58.7 | 54.2 | 51.3 | 48.5 | 46.7 | 45.6 | 45.6 | 45.0 |
| 20° | 66.1 | 58.7 | 53.0 | 48.5 | 45.6 | 43.3 | 41.6 | 40.5 | 39.9 | 40.5 |
| 22.5° | 61.0 | 53.6 | 47.9 | 43.9 | 40.5 | 38.2 | 36.5 | 35.9 | 35.3 | 35.3 |
| 25° | 55.3 | 48.5 | 43.3 | 39.3 | 36.5 | 34.2 | 32.5 | 31.9 | 31.4 | 30.8 |
| 26° | 53.6 | 46.7 | 41.6 | 37.6 | 34.8 | 32.5 | 31.4 | 30.2 | 29.6 | 29.6 |
| 27.5° | 51.3 | 43.9 | 39.3 | 35.3 | 32.5 | 30.8 | 29.1 | 28.5 | 27.9 | 27.9 |
| 30° | 46.2 | 39.9 | 35.3 | 31.9 | 29.6 | 27.4 | 26.2 | 25.7 | 25.1 | 25.1 |
| 32.5° | 42.2 | 35.9 | 31.9 | 29.1 | 26.8 | 25.1 | 23.9 | 22.8 | 22.8 | 22.8 |
| 35° | 38.2 | 32.5 | 29.1 | 26.2 | 23.9 | 22.2 | 21.7 | 21.1 | 20.5 | 20.5 |
| 37.5° | 34.8 | 29.6 | 26.2 | 23.9 | 22.2 | 20.5 | 19.4 | 18.8 | 18.8 | 18.8 |
| 40° | 31.4 | 27.4 | 23.9 | 21.7 | 20.0 | 18.8 | 17.7 | 17.1 | 17.1 | 17.1 |
| 42.5° | 28.5 | 24.5 | 22.2 | 20.0 | 18.2 | 17.1 | 16.5 | 16.0 | 15.4 | 15.4 |
| 45° | 26.2 | 22.8 | 20.0 | 18.2 | 17.1 | 16.0 | 14.8 | 14.3 | 14.3 | 14.3 |
| 47.5° | 23.4 | 21.1 | 18.2 | 16.5 | 15.4 | 14.3 | 13.7 | 13.1 | 13.1 | 13.1 |
| 50° | 21.7 | 19.4 | 17.1 | 15.4 | 14.3 | 13.1 | 12.5 | 12.0 | 12.0 | 12.0 |
| 52.5° | 19.4 | 17.7 | 16.0 | 14.3 | 13.1 | 12.0 | 11.4 | 10.8 | 10.8 | 10.8 |
| 55° | 17.7 | 16.0 | 14.3 | 13.1 | 12.0 | 10.8 | 10.3 | 9.7 | 9.7 | 9.7 |
| 57.5° | 16.0 | 14.3 | 13.1 | 12.0 | 10.8 | 10.3 | 9.1 | 9.1 | 8.6 | 8.6 |
| 60° | 14.3 | 12.5 | 11.4 | 10.8 | 9.7 | 9.1 | 8.0 | 7.4 | 7.4 | 7.4 |
| 62.5° | 12.0 | 11.4 | 10.3 | 9.1 | 8.0 | 7.4 | 6.8 | 6.3 | 6.3 | 6.3 |
| 65° | 10.3 | 9.7 | 8.6 | 7.4 | 6.8 | 6.3 | 5.7 | 5.1 | 5.1 | 5.1 |
| 67.5° | 8.6 | 7.4 | 6.8 | 6.3 | 5.7 | 5.1 | 4.6 | 4.0 | 3.4 | 4.0 |
| 70° | 6.3 | 5.7 | 5.1 | 4.6 | 4.0 | 3.4 | 2.9 | 2.9 | 2.3 | 2.3 |
| 72.5° | 4.0 | 3.4 | 3.4 | 2.9 | 2.3 | 2.3 | 1.7 | 1.7 | 1.1 | 1.1 |
| 75° | 2.3 | 2.3 | 1.7 | 1.7 | 1.1 | 1.1 | 0.6 | 0.6 | 0.6 | 0.6 |
| 77.5° | 1.1 | 0.6 | 0.6 | 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)