

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: P1445725

Luminaire Tested: P3ART02R709027DE010 E3LCWW1WMH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445725
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: P3ART02R709027DE010 E3LCWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

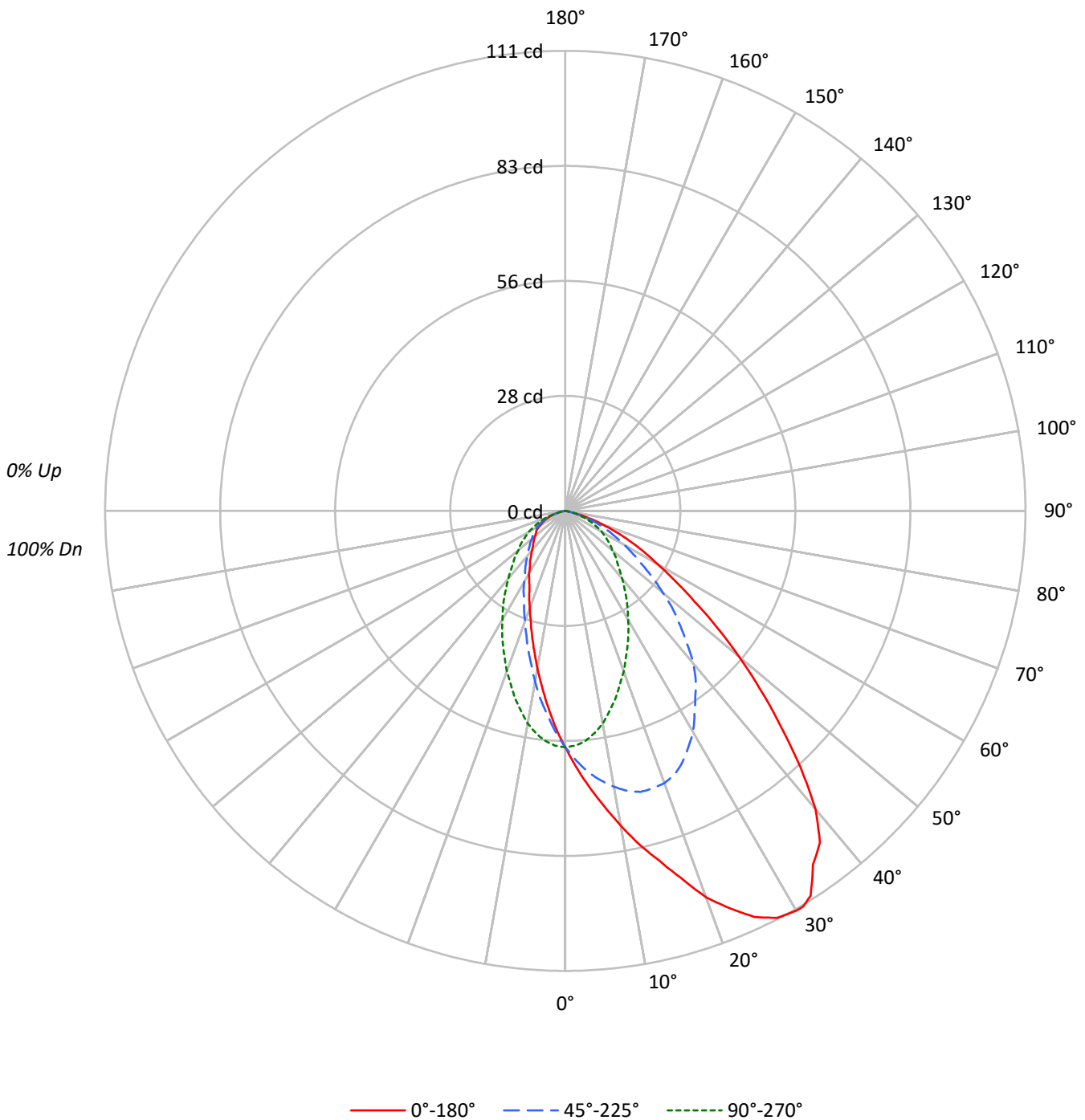
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 116.0 lumens
Efficiency: N/A
Efficacy: 32.2 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): 3.6
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

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Luminous Intensity Polar Plot





TEST NUMBER: P1445725
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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 | 100 | 100 | 100 | 100 |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | 88 | 88 | 88 |
| 2 | 102 | 95 | 90 | 85 | 100 | 93 | 88 | 84 | 90 | 86 | 82 | 87 | 83 | 80 | 84 | 81 | 78 | 76 | 76 | 76 | 76 |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 76 | 72 | 68 | 66 | 66 | 66 | 66 |
| 4 | 87 | 77 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 60 | 58 | 58 | 58 | 58 |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 59 | 54 | 64 | 58 | 54 | 62 | 57 | 53 | 51 | 51 | 51 | 51 |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 54 | 49 | 60 | 53 | 48 | 59 | 53 | 48 | 57 | 52 | 48 | 46 | 46 | 46 | 46 |
| 7 | 70 | 57 | 49 | 44 | 68 | 57 | 49 | 44 | 55 | 48 | 43 | 54 | 48 | 43 | 52 | 47 | 43 | 41 | 41 | 41 | 41 |
| 8 | 65 | 53 | 45 | 39 | 64 | 52 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 39 | 48 | 43 | 39 | 37 | 37 | 37 | 37 |
| 9 | 61 | 49 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 35 | 45 | 39 | 35 | 34 | 34 | 34 | 34 |
| 10 | 57 | 45 | 38 | 33 | 56 | 45 | 37 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 36 | 32 | 31 | 31 | 31 | 31 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 12499 | 12499 | 12499 | 12499 | 12499 |
| 5° | 14726 | 13933 | 12261 | 10874 | 10456 |
| 10° | 17167 | 15052 | 11601 | 9330 | 8595 |
| 15° | 19819 | 15937 | 10624 | 7855 | 7037 |
| 20° | 23149 | 16311 | 9614 | 6604 | 5834 |
| 25° | 26155 | 16186 | 8613 | 5662 | 4936 |
| 30° | 28207 | 15597 | 7672 | 5013 | 4431 |
| 35° | 27894 | 14643 | 6880 | 4497 | 3962 |
| 40° | 26879 | 13769 | 6126 | 4065 | 3578 |
| 45° | 22793 | 12156 | 5520 | 3783 | 3380 |
| 50° | 18660 | 10473 | 5049 | 3582 | 3275 |
| 55° | 14489 | 8678 | 4779 | 3517 | 3288 |
| 60° | 11271 | 7236 | 4473 | 3465 | 3026 |
| 65° | 8873 | 5967 | 3943 | 3269 | 2906 |
| 70° | 6155 | 4424 | 3142 | 2757 | 2565 |
| 75° | 3050 | 2542 | 2203 | 1949 | 1694 |
| 80° | 379 | 884 | 1263 | 884 | 379 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22793 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 5.3 | 4.6 |
| 10°-20° | 14.9 | 12.8 |
| 20°-30° | 21.9 | 18.9 |
| 30°-40° | 24.5 | 21.2 |
| 40°-50° | 21.6 | 18.6 |
| 50°-60° | 15.4 | 13.3 |
| 60°-70° | 9.1 | 7.9 |
| 70°-80° | 3.1 | 2.6 |
| 80°-90° | 0.1 | 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° | 42.1 | 36.3 |
| 0°-40° | 66.6 | 57.4 |
| 0°-60° | 103.6 | 89.4 |
| 0°-90° | 116.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 116.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 57 | 57 | 57 | 57 | 57 | |
| 5° | 67 | 63 | 56 | 49 | 48 | 7 |
| 15° | 87 | 70 | 47 | 35 | 31 | 25 |
| 25° | 108 | 67 | 36 | 23 | 20 | 50 |
| 35° | 104 | 55 | 26 | 17 | 15 | 65 |
| 45° | 74 | 39 | 18 | 12 | 11 | 57 |
| 55° | 38 | 23 | 12 | 9 | 9 | 35 |
| 65° | 17 | 12 | 8 | 6 | 6 | 17 |
| 75° | 4 | 3 | 3 | 2 | 2 | 4 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1445725

CATALOG NUMBER: P3ART02R709027DE010 E3LCWW1WMH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 0° | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 |
| 2.5° | 62.0 | 62.0 | 62.0 | 61.3 | 61.3 | 60.3 | 59.7 | 58.7 | 58.0 | 57.0 | 56.7 |
| 5° | 66.9 | 66.9 | 66.2 | 65.6 | 64.6 | 63.3 | 61.6 | 60.0 | 58.0 | 56.4 | 55.7 |
| 7.5° | 71.9 | 72.2 | 71.2 | 69.9 | 67.9 | 65.6 | 63.3 | 60.6 | 57.7 | 55.4 | 54.1 |
| 10° | 77.1 | 77.1 | 75.8 | 73.8 | 70.9 | 67.6 | 63.9 | 60.3 | 56.7 | 53.4 | 52.1 |
| 12.5° | 82.4 | 82.1 | 80.4 | 77.5 | 73.8 | 69.2 | 64.3 | 59.7 | 55.4 | 51.4 | 49.4 |
| 15° | 87.3 | 87.3 | 85.0 | 81.4 | 76.1 | 70.2 | 64.3 | 58.3 | 53.4 | 48.8 | 46.8 |
| 17.5° | 92.9 | 92.9 | 90.0 | 84.4 | 77.8 | 70.2 | 63.3 | 56.7 | 51.1 | 46.1 | 43.8 |
| 20° | 99.2 | 98.9 | 94.6 | 87.0 | 78.4 | 69.9 | 62.0 | 54.7 | 48.4 | 43.2 | 41.2 |
| 22.5° | 103.8 | 103.5 | 98.5 | 89.3 | 78.8 | 68.9 | 59.7 | 52.1 | 45.8 | 40.5 | 38.2 |
| 25° | 108.1 | 107.4 | 101.8 | 90.3 | 78.1 | 66.9 | 57.3 | 49.1 | 43.2 | 37.9 | 35.6 |
| 27.5° | 110.7 | 110.4 | 104.2 | 90.0 | 76.5 | 64.3 | 54.4 | 46.5 | 40.2 | 34.9 | 33.0 |
| 30° | 111.4 | 111.7 | 104.2 | 88.3 | 73.8 | 61.6 | 51.4 | 43.5 | 37.2 | 32.6 | 30.3 |
| 31° | 111.4 | 111.7 | 103.5 | 87.3 | 72.8 | 60.3 | 50.1 | 42.5 | 35.9 | 31.3 | 29.3 |
| 32.5° | 110.1 | 109.4 | 102.5 | 85.7 | 70.5 | 58.0 | 48.4 | 40.9 | 34.3 | 29.7 | 28.0 |
| 35° | 104.2 | 104.5 | 99.2 | 82.1 | 67.2 | 54.7 | 45.2 | 37.6 | 31.3 | 27.4 | 25.7 |
| 37.5° | 100.9 | 100.9 | 91.3 | 77.1 | 63.6 | 51.7 | 41.2 | 33.9 | 28.7 | 25.0 | 23.4 |
| 40° | 93.9 | 92.9 | 84.0 | 71.9 | 59.3 | 48.1 | 38.9 | 31.6 | 26.4 | 22.7 | 21.4 |
| 42.5° | 84.0 | 83.1 | 76.1 | 67.2 | 53.7 | 43.5 | 36.9 | 28.0 | 23.7 | 20.8 | 19.4 |
| 45° | 73.5 | 72.8 | 67.6 | 59.3 | 48.4 | 39.2 | 32.0 | 25.7 | 21.8 | 18.8 | 17.8 |
| 47.5° | 63.9 | 63.0 | 59.0 | 52.7 | 43.8 | 35.3 | 27.7 | 23.1 | 19.4 | 17.1 | 16.5 |
| 50° | 54.7 | 54.4 | 51.1 | 46.1 | 38.9 | 30.7 | 24.4 | 20.4 | 17.8 | 15.8 | 14.8 |
| 52.5° | 46.1 | 45.5 | 43.8 | 39.9 | 33.9 | 26.7 | 21.4 | 18.1 | 15.8 | 14.5 | 13.8 |
| 55° | 37.9 | 37.9 | 36.3 | 33.6 | 29.0 | 22.7 | 18.8 | 16.1 | 14.2 | 13.2 | 12.5 |
| 57.5° | 31.3 | 31.3 | 30.0 | 28.3 | 24.1 | 19.4 | 16.5 | 14.2 | 12.9 | 11.9 | 11.2 |
| 60° | 25.7 | 25.7 | 24.7 | 23.1 | 20.1 | 16.5 | 14.2 | 12.5 | 11.5 | 10.5 | 10.2 |
| 62.5° | 21.4 | 21.1 | 20.4 | 18.8 | 16.5 | 13.8 | 12.2 | 10.9 | 9.9 | 9.2 | 8.9 |
| 65° | 17.1 | 16.8 | 16.1 | 14.8 | 13.2 | 11.5 | 10.2 | 9.2 | 8.6 | 7.9 | 7.6 |
| 67.5° | 13.2 | 13.2 | 12.5 | 11.5 | 10.2 | 9.2 | 8.2 | 7.6 | 6.9 | 6.6 | 6.3 |
| 70° | 9.6 | 9.6 | 9.2 | 8.6 | 7.6 | 6.9 | 6.3 | 5.9 | 5.6 | 5.3 | 4.9 |
| 72.5° | 6.6 | 6.6 | 6.3 | 5.9 | 5.3 | 4.9 | 4.3 | 4.3 | 4.0 | 4.0 | 3.6 |
| 75° | 3.6 | 3.6 | 3.6 | 3.3 | 3.3 | 3.0 | 3.0 | 3.0 | 2.6 | 2.6 | 2.6 |
| 77.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 80° | 0.3 | 0.3 | 0.3 | 0.3 | 0.7 | 0.7 | 0.7 | 0.7 | 1.0 | 1.0 | 1.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 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° | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 |
| 2.5° | 56.4 | 55.4 | 54.7 | 54.4 | 53.4 | 53.1 | 52.7 | 52.4 | 52.4 | 52.4 |
| 5° | 55.0 | 53.4 | 51.7 | 50.8 | 49.4 | 48.8 | 48.1 | 47.8 | 47.5 | 47.5 |
| 7.5° | 52.7 | 50.8 | 48.8 | 47.1 | 45.8 | 44.5 | 43.8 | 43.2 | 43.2 | 42.8 |
| 10° | 50.4 | 47.8 | 45.5 | 43.2 | 41.9 | 40.2 | 39.6 | 38.9 | 38.6 | 38.6 |
| 12.5° | 47.8 | 44.5 | 41.9 | 39.9 | 37.9 | 36.6 | 35.6 | 34.9 | 34.6 | 34.6 |
| 15° | 44.8 | 41.5 | 38.6 | 36.6 | 34.6 | 33.0 | 32.0 | 31.3 | 31.0 | 31.0 |
| 17.5° | 41.9 | 38.6 | 35.3 | 33.3 | 31.3 | 29.7 | 29.0 | 28.3 | 28.0 | 27.7 |
| 20° | 39.2 | 35.3 | 32.6 | 30.0 | 28.3 | 27.0 | 26.0 | 25.4 | 25.0 | 25.0 |
| 22.5° | 36.3 | 32.6 | 29.7 | 27.7 | 26.0 | 24.7 | 23.4 | 23.1 | 22.7 | 22.7 |
| 25° | 33.3 | 30.0 | 27.4 | 25.4 | 23.4 | 22.4 | 21.4 | 20.8 | 20.8 | 20.4 |
| 27.5° | 31.0 | 27.7 | 25.0 | 23.1 | 21.8 | 20.4 | 19.8 | 19.1 | 18.8 | 18.8 |
| 30° | 28.3 | 25.4 | 23.1 | 21.4 | 19.8 | 18.8 | 18.1 | 17.5 | 17.5 | 17.5 |
| 31° | 27.7 | 24.7 | 22.4 | 20.4 | 19.1 | 18.1 | 17.5 | 17.1 | 16.8 | 16.8 |
| 32.5° | 26.0 | 23.4 | 21.1 | 19.4 | 18.1 | 17.1 | 16.5 | 16.1 | 16.1 | 15.8 |
| 35° | 24.1 | 21.4 | 19.4 | 17.8 | 16.8 | 15.8 | 15.2 | 14.8 | 14.8 | 14.8 |
| 37.5° | 22.1 | 19.8 | 17.8 | 16.5 | 15.5 | 14.5 | 14.2 | 13.5 | 13.5 | 13.5 |
| 40° | 20.1 | 18.1 | 16.5 | 15.2 | 14.2 | 13.5 | 13.2 | 12.9 | 12.5 | 12.5 |
| 42.5° | 18.5 | 16.5 | 15.2 | 14.2 | 13.2 | 12.5 | 12.2 | 11.9 | 11.9 | 11.5 |
| 45° | 16.8 | 15.2 | 14.2 | 13.2 | 12.2 | 11.9 | 11.5 | 11.2 | 10.9 | 10.9 |
| 47.5° | 15.5 | 14.2 | 12.9 | 12.2 | 11.5 | 10.9 | 10.5 | 10.5 | 10.2 | 10.2 |
| 50° | 14.2 | 12.9 | 11.9 | 11.2 | 10.5 | 10.2 | 9.9 | 9.9 | 9.6 | 9.6 |
| 52.5° | 13.2 | 11.9 | 11.2 | 10.5 | 9.9 | 9.6 | 9.2 | 9.2 | 8.9 | 8.9 |
| 55° | 11.9 | 10.9 | 10.2 | 9.9 | 9.2 | 8.9 | 8.6 | 8.2 | 8.2 | 8.6 |
| 57.5° | 10.9 | 10.2 | 9.6 | 9.2 | 8.6 | 8.2 | 7.9 | 7.9 | 7.6 | 7.9 |
| 60° | 9.9 | 9.2 | 8.6 | 8.2 | 7.9 | 7.6 | 7.3 | 6.9 | 6.9 | 6.9 |
| 62.5° | 8.9 | 8.2 | 7.9 | 7.3 | 6.9 | 6.9 | 6.6 | 6.6 | 6.6 | 6.3 |
| 65° | 7.6 | 7.3 | 6.9 | 6.6 | 6.3 | 5.9 | 5.9 | 5.6 | 5.6 | 5.6 |
| 67.5° | 6.3 | 5.9 | 5.6 | 5.6 | 5.3 | 4.9 | 4.9 | 4.9 | 4.9 | 4.6 |
| 70° | 4.9 | 4.6 | 4.6 | 4.3 | 4.3 | 4.3 | 4.0 | 4.0 | 4.0 | 4.0 |
| 72.5° | 3.6 | 3.6 | 3.3 | 3.3 | 3.3 | 3.3 | 3.0 | 3.0 | 3.0 | 3.0 |
| 75° | 2.6 | 2.6 | 2.6 | 2.3 | 2.3 | 2.3 | 2.0 | 2.0 | 2.0 | 2.0 |
| 77.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 80° | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.3 |
| 82.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 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)