

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: P1445852

Luminaire Tested: P3ART02R709030DE010 E3LCWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445852
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: P3ART02R709030DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

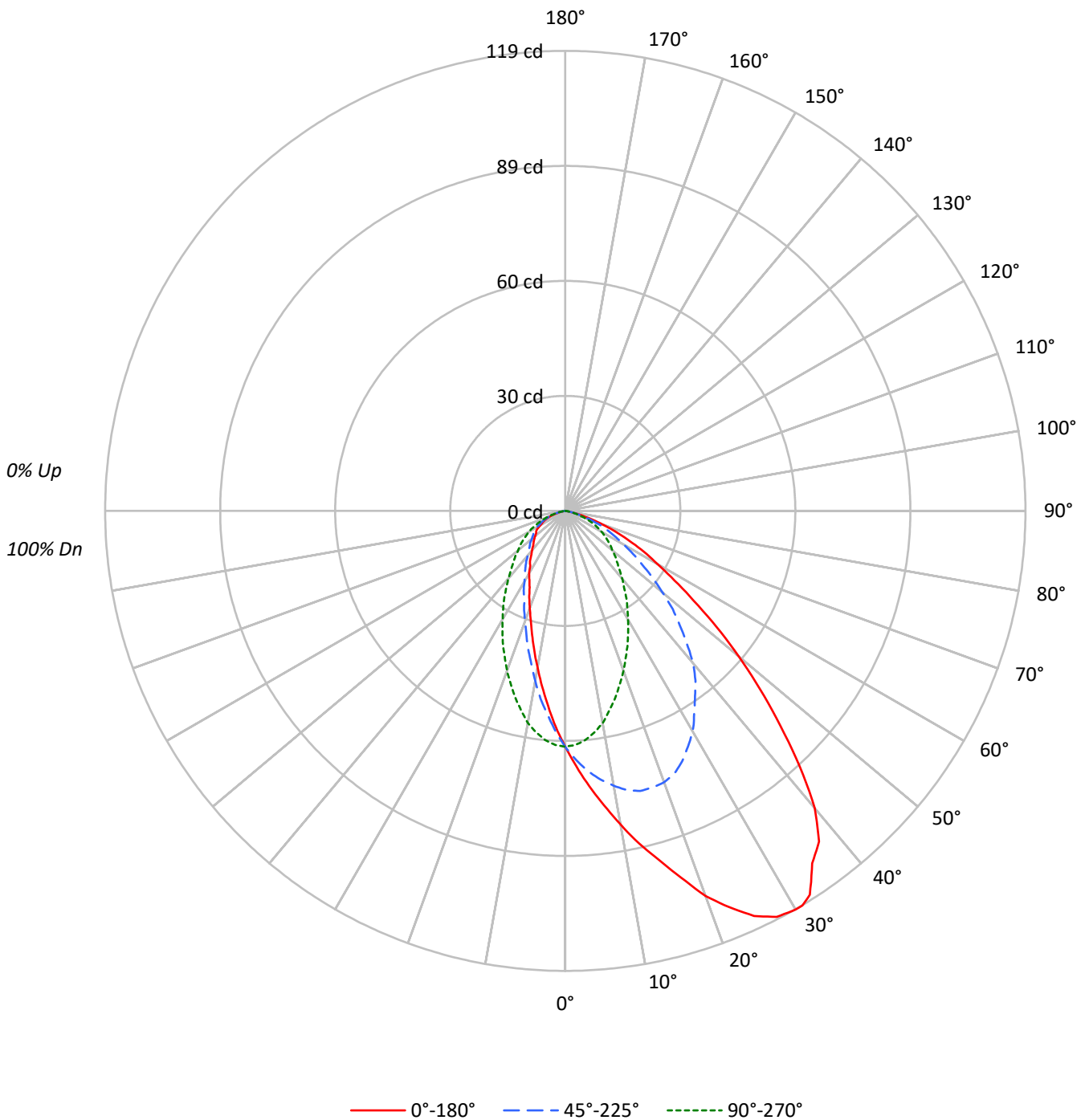
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 124.0 lumens
Efficiency: N/A
Efficacy: 34.4 lumens/watt
Spacing Criteria (0/90/45): 1.53 / 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

TEST NUMBER: P1445852
CATALOG NUMBER: P3ART02R709030DE010 E3LCWW1H

Luminous Intensity Polar Plot





TEST NUMBER: P1445852

CATALOG NUMBER: P3ART02R709030DE010 E3LCWW1H

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 | 33 | | |
| 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° | 13376 | 13376 | 13376 | 13376 | 13376 |
| 5° | 15738 | 14880 | 13097 | 11622 | 11160 |
| 10° | 18347 | 16076 | 12402 | 9953 | 9174 |
| 15° | 21203 | 17026 | 11351 | 8400 | 7514 |
| 20° | 24735 | 17432 | 10268 | 7071 | 6254 |
| 25° | 27969 | 17299 | 9218 | 6049 | 5274 |
| 30° | 30157 | 16686 | 8204 | 5343 | 4735 |
| 35° | 29794 | 15660 | 7362 | 4818 | 4256 |
| 40° | 28740 | 14713 | 6555 | 4322 | 3836 |
| 45° | 24375 | 12994 | 5892 | 4031 | 3597 |
| 50° | 19957 | 11189 | 5424 | 3855 | 3480 |
| 55° | 15483 | 9290 | 5123 | 3785 | 3517 |
| 60° | 12060 | 7719 | 4780 | 3728 | 3245 |
| 65° | 9495 | 6382 | 4203 | 3476 | 3113 |
| 70° | 6540 | 4744 | 3398 | 2949 | 2693 |
| 75° | 3304 | 2711 | 2372 | 2118 | 1779 |
| 80° | 505 | 884 | 1389 | 884 | 505 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24375 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 5.7 | 4.6 |
| 10°-20° | 15.9 | 12.8 |
| 20°-30° | 23.4 | 18.9 |
| 30°-40° | 26.2 | 21.2 |
| 40°-50° | 23.1 | 18.6 |
| 50°-60° | 16.5 | 13.3 |
| 60°-70° | 9.8 | 7.9 |
| 70°-80° | 3.3 | 2.7 |
| 80°-90° | 0.2 | 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° | 45.0 | 36.3 |
| 0°-40° | 71.2 | 57.4 |
| 0°-60° | 110.8 | 89.3 |
| 0°-90° | 124.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 124.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 61 | 61 | 61 | 61 | 61 | |
| 5° | 72 | 68 | 60 | 53 | 51 | 7 |
| 15° | 93 | 75 | 50 | 37 | 33 | 27 |
| 25° | 116 | 72 | 38 | 25 | 22 | 53 |
| 35° | 111 | 58 | 28 | 18 | 16 | 70 |
| 45° | 79 | 42 | 19 | 13 | 12 | 61 |
| 55° | 40 | 24 | 13 | 10 | 9 | 37 |
| 65° | 18 | 12 | 8 | 7 | 6 | 18 |
| 75° | 4 | 3 | 3 | 2 | 2 | 5 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1445852
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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 0° | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| 2.5° | 66.2 | 66.2 | 66.2 | 65.5 | 65.5 | 64.5 | 63.8 | 62.7 | 62.0 | 61.0 | 60.6 |
| 5° | 71.5 | 71.5 | 70.8 | 70.1 | 69.1 | 67.6 | 65.9 | 64.1 | 62.0 | 60.2 | 59.5 |
| 7.5° | 76.8 | 77.2 | 76.1 | 74.7 | 72.6 | 70.1 | 67.6 | 64.8 | 61.7 | 59.2 | 57.8 |
| 10° | 82.4 | 82.4 | 81.0 | 78.9 | 75.7 | 72.2 | 68.3 | 64.5 | 60.6 | 57.1 | 55.7 |
| 12.5° | 88.1 | 87.7 | 86.0 | 82.8 | 78.9 | 74.0 | 68.7 | 63.8 | 59.2 | 55.0 | 52.8 |
| 15° | 93.4 | 93.4 | 90.9 | 87.0 | 81.4 | 75.0 | 68.7 | 62.4 | 57.1 | 52.1 | 50.0 |
| 17.5° | 99.4 | 99.4 | 96.2 | 90.2 | 83.1 | 75.0 | 67.6 | 60.6 | 54.6 | 49.3 | 46.9 |
| 20° | 106.0 | 105.7 | 101.1 | 93.0 | 83.9 | 74.7 | 66.2 | 58.5 | 51.8 | 46.2 | 44.0 |
| 22.5° | 111.0 | 110.6 | 105.3 | 95.5 | 84.2 | 73.6 | 63.8 | 55.7 | 49.0 | 43.3 | 40.9 |
| 25° | 115.6 | 114.9 | 108.9 | 96.5 | 83.5 | 71.5 | 61.3 | 52.5 | 46.2 | 40.5 | 38.1 |
| 27.5° | 118.4 | 118.0 | 111.3 | 96.2 | 81.7 | 68.7 | 58.1 | 49.7 | 43.0 | 37.3 | 35.2 |
| 30° | 119.1 | 119.4 | 111.3 | 94.4 | 78.9 | 65.9 | 55.0 | 46.5 | 39.8 | 34.9 | 32.4 |
| 31° | 119.1 | 119.4 | 110.6 | 93.4 | 77.9 | 64.5 | 53.6 | 45.4 | 38.4 | 33.5 | 31.4 |
| 32.5° | 117.7 | 117.0 | 109.6 | 91.6 | 75.4 | 62.0 | 51.8 | 43.7 | 36.6 | 31.7 | 29.9 |
| 35° | 111.3 | 111.7 | 106.0 | 87.7 | 71.9 | 58.5 | 48.3 | 40.2 | 33.5 | 29.2 | 27.5 |
| 37.5° | 107.8 | 107.8 | 97.6 | 82.4 | 68.0 | 55.3 | 44.0 | 36.3 | 30.7 | 26.8 | 25.0 |
| 40° | 100.4 | 99.4 | 89.8 | 76.8 | 63.4 | 51.4 | 41.6 | 33.8 | 28.2 | 24.3 | 22.9 |
| 42.5° | 89.8 | 88.8 | 81.4 | 71.9 | 57.4 | 46.5 | 39.5 | 29.9 | 25.4 | 22.2 | 20.8 |
| 45° | 78.6 | 77.9 | 72.2 | 63.4 | 51.8 | 41.9 | 34.2 | 27.5 | 23.3 | 20.1 | 19.0 |
| 47.5° | 68.3 | 67.3 | 63.1 | 56.4 | 46.9 | 37.7 | 29.6 | 24.7 | 20.8 | 18.3 | 17.6 |
| 50° | 58.5 | 58.1 | 54.6 | 49.3 | 41.6 | 32.8 | 26.1 | 21.8 | 19.0 | 16.9 | 15.9 |
| 52.5° | 49.3 | 48.6 | 46.9 | 42.6 | 36.3 | 28.5 | 22.9 | 19.4 | 16.9 | 15.5 | 14.8 |
| 55° | 40.5 | 40.5 | 38.8 | 35.9 | 31.0 | 24.3 | 20.1 | 17.3 | 15.1 | 14.1 | 13.4 |
| 57.5° | 33.5 | 33.5 | 32.1 | 30.3 | 25.7 | 20.8 | 17.6 | 15.1 | 13.7 | 12.7 | 12.0 |
| 60° | 27.5 | 27.5 | 26.4 | 24.7 | 21.5 | 17.6 | 15.1 | 13.4 | 12.3 | 11.3 | 10.9 |
| 62.5° | 22.9 | 22.5 | 21.8 | 20.1 | 17.6 | 14.8 | 13.0 | 11.6 | 10.6 | 9.9 | 9.5 |
| 65° | 18.3 | 18.0 | 17.3 | 15.9 | 14.1 | 12.3 | 10.9 | 9.9 | 9.2 | 8.5 | 8.1 |
| 67.5° | 14.1 | 14.1 | 13.4 | 12.3 | 10.9 | 9.9 | 8.8 | 8.1 | 7.4 | 7.0 | 6.7 |
| 70° | 10.2 | 10.2 | 9.9 | 9.2 | 8.1 | 7.4 | 6.7 | 6.3 | 6.0 | 5.6 | 5.3 |
| 72.5° | 7.0 | 7.0 | 6.7 | 6.3 | 5.6 | 5.3 | 4.6 | 4.6 | 4.2 | 4.2 | 3.9 |
| 75° | 3.9 | 3.9 | 3.9 | 3.5 | 3.5 | 3.2 | 3.2 | 3.2 | 2.8 | 2.8 | 2.8 |
| 77.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 80° | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 0.7 | 0.7 | 0.7 | 1.1 | 1.1 | 1.1 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 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° | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| 2.5° | 60.2 | 59.2 | 58.5 | 58.1 | 57.1 | 56.7 | 56.4 | 56.0 | 56.0 | 56.0 |
| 5° | 58.8 | 57.1 | 55.3 | 54.3 | 52.8 | 52.1 | 51.4 | 51.1 | 50.7 | 50.7 |
| 7.5° | 56.4 | 54.3 | 52.1 | 50.4 | 49.0 | 47.6 | 46.9 | 46.2 | 46.2 | 45.8 |
| 10° | 53.9 | 51.1 | 48.6 | 46.2 | 44.7 | 43.0 | 42.3 | 41.6 | 41.2 | 41.2 |
| 12.5° | 51.1 | 47.6 | 44.7 | 42.6 | 40.5 | 39.1 | 38.1 | 37.3 | 37.0 | 37.0 |
| 15° | 47.9 | 44.4 | 41.2 | 39.1 | 37.0 | 35.2 | 34.2 | 33.5 | 33.1 | 33.1 |
| 17.5° | 44.7 | 41.2 | 37.7 | 35.6 | 33.5 | 31.7 | 31.0 | 30.3 | 29.9 | 29.6 |
| 20° | 41.9 | 37.7 | 34.9 | 32.1 | 30.3 | 28.9 | 27.8 | 27.1 | 26.8 | 26.8 |
| 22.5° | 38.8 | 34.9 | 31.7 | 29.6 | 27.8 | 26.4 | 25.0 | 24.7 | 24.3 | 24.3 |
| 25° | 35.6 | 32.1 | 29.2 | 27.1 | 25.0 | 24.0 | 22.9 | 22.2 | 22.2 | 21.8 |
| 27.5° | 33.1 | 29.6 | 26.8 | 24.7 | 23.3 | 21.8 | 21.1 | 20.4 | 20.1 | 20.1 |
| 30° | 30.3 | 27.1 | 24.7 | 22.9 | 21.1 | 20.1 | 19.4 | 18.7 | 18.7 | 18.7 |
| 31° | 29.6 | 26.4 | 24.0 | 21.8 | 20.4 | 19.4 | 18.7 | 18.3 | 18.0 | 18.0 |
| 32.5° | 27.8 | 25.0 | 22.5 | 20.8 | 19.4 | 18.3 | 17.6 | 17.3 | 17.3 | 16.9 |
| 35° | 25.7 | 22.9 | 20.8 | 19.0 | 18.0 | 16.9 | 16.2 | 15.9 | 15.9 | 15.9 |
| 37.5° | 23.6 | 21.1 | 19.0 | 17.6 | 16.6 | 15.5 | 15.1 | 14.4 | 14.4 | 14.4 |
| 40° | 21.5 | 19.4 | 17.6 | 16.2 | 15.1 | 14.4 | 14.1 | 13.7 | 13.4 | 13.4 |
| 42.5° | 19.7 | 17.6 | 16.2 | 15.1 | 14.1 | 13.4 | 13.0 | 12.7 | 12.7 | 12.3 |
| 45° | 18.0 | 16.2 | 15.1 | 14.1 | 13.0 | 12.7 | 12.3 | 12.0 | 11.6 | 11.6 |
| 47.5° | 16.6 | 15.1 | 13.7 | 13.0 | 12.3 | 11.6 | 11.3 | 11.3 | 10.9 | 10.9 |
| 50° | 15.1 | 13.7 | 12.7 | 12.0 | 11.3 | 10.9 | 10.6 | 10.6 | 10.2 | 10.2 |
| 52.5° | 14.1 | 12.7 | 12.0 | 11.3 | 10.6 | 10.2 | 9.9 | 9.9 | 9.5 | 9.5 |
| 55° | 12.7 | 11.6 | 10.9 | 10.6 | 9.9 | 9.5 | 9.2 | 8.8 | 8.8 | 9.2 |
| 57.5° | 11.6 | 10.9 | 10.2 | 9.9 | 9.2 | 8.8 | 8.5 | 8.5 | 8.1 | 8.5 |
| 60° | 10.6 | 9.9 | 9.2 | 8.8 | 8.5 | 8.1 | 7.8 | 7.4 | 7.4 | 7.4 |
| 62.5° | 9.5 | 8.8 | 8.5 | 7.8 | 7.4 | 7.4 | 7.0 | 7.0 | 7.0 | 6.7 |
| 65° | 8.1 | 7.8 | 7.4 | 7.0 | 6.7 | 6.3 | 6.3 | 6.0 | 6.0 | 6.0 |
| 67.5° | 6.7 | 6.3 | 6.0 | 6.0 | 5.6 | 5.3 | 5.3 | 5.3 | 5.3 | 4.9 |
| 70° | 5.3 | 4.9 | 4.9 | 4.6 | 4.6 | 4.6 | 4.2 | 4.2 | 4.2 | 4.2 |
| 72.5° | 3.9 | 3.9 | 3.5 | 3.5 | 3.5 | 3.5 | 3.2 | 3.2 | 3.2 | 3.2 |
| 75° | 2.8 | 2.8 | 2.8 | 2.5 | 2.5 | 2.5 | 2.1 | 2.1 | 2.1 | 2.1 |
| 77.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 80° | 1.1 | 1.1 | 1.1 | 1.1 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.4 |
| 82.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 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)