

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: P1445985

Luminaire Tested: P3ART02R709035DE010 E3LCWW1WMH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445985
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: P3ART02R709035DE010 E3LCWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

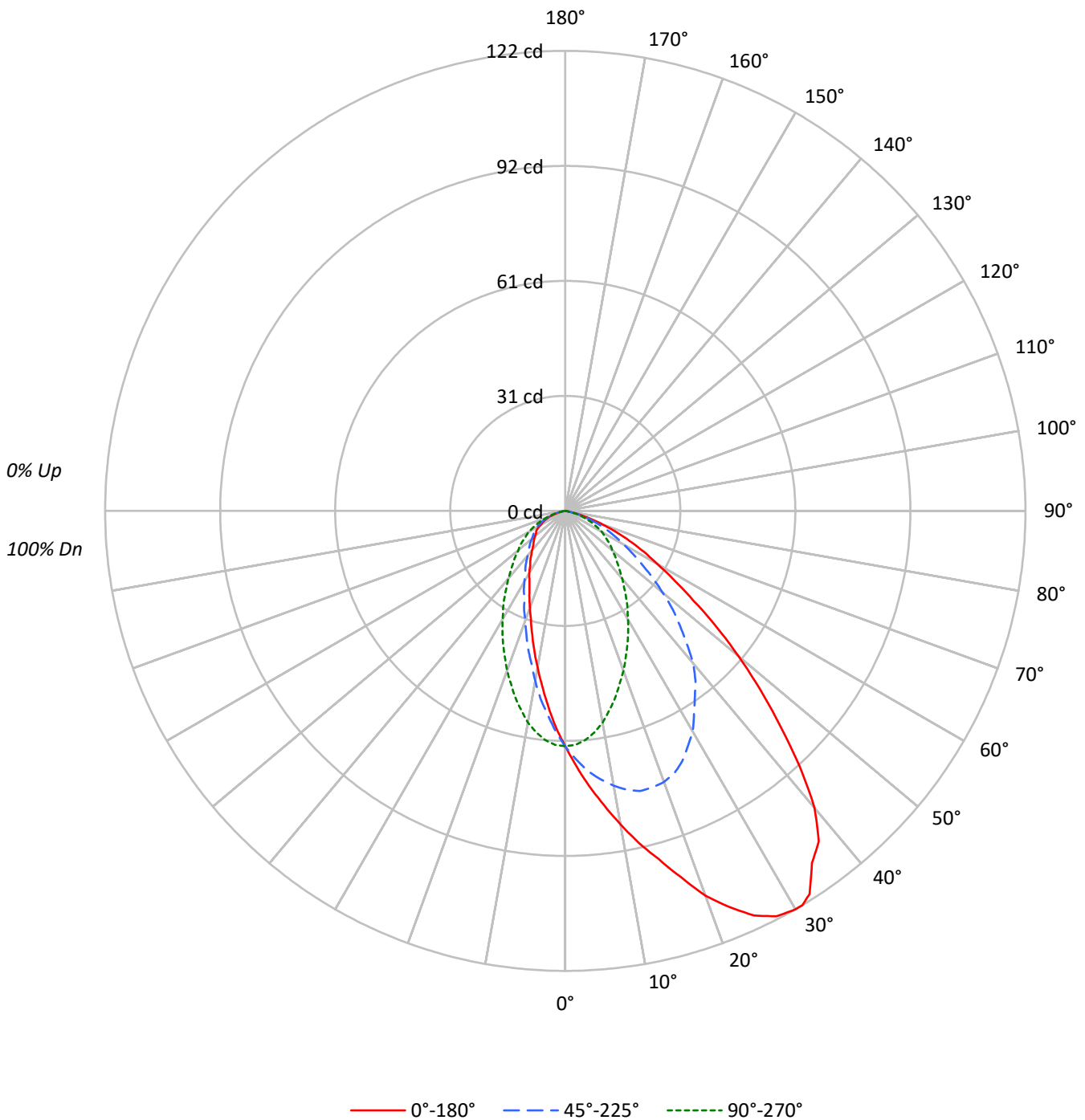
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 127.0 lumens
Efficiency: N/A
Efficacy: 35.3 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.88 / 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 (A_{in}): 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: P1445985
CATALOG NUMBER: P3ART02R709035DE010 E3LCWW1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P1445985

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 13683 | 13683 | 13683 | 13683 | 13683 |
| 5° | 16135 | 15254 | 13427 | 11908 | 11446 |
| 10° | 18793 | 16477 | 12692 | 10198 | 9396 |
| 15° | 21703 | 17458 | 11623 | 8604 | 7696 |
| 20° | 25342 | 17852 | 10524 | 7234 | 6394 |
| 25° | 28647 | 17735 | 9436 | 6194 | 5420 |
| 30° | 30891 | 17091 | 8406 | 5495 | 4836 |
| 35° | 30517 | 16035 | 7522 | 4926 | 4337 |
| 40° | 29427 | 15085 | 6727 | 4437 | 3922 |
| 45° | 24964 | 13304 | 6047 | 4155 | 3690 |
| 50° | 20434 | 11462 | 5526 | 3923 | 3582 |
| 55° | 15866 | 9519 | 5238 | 3861 | 3594 |
| 60° | 12324 | 7894 | 4912 | 3815 | 3333 |
| 65° | 9755 | 6538 | 4307 | 3580 | 3165 |
| 70° | 6732 | 4873 | 3462 | 3013 | 2757 |
| 75° | 3389 | 2711 | 2457 | 2118 | 1864 |
| 80° | 505 | 884 | 1389 | 884 | 505 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24964 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 5.8 | 4.6 |
| 10°-20° | 16.3 | 12.8 |
| 20°-30° | 24.0 | 18.9 |
| 30°-40° | 26.9 | 21.2 |
| 40°-50° | 23.6 | 18.6 |
| 50°-60° | 16.9 | 13.3 |
| 60°-70° | 10.0 | 7.9 |
| 70°-80° | 3.4 | 2.6 |
| 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° | 46.1 | 36.3 |
| 0°-40° | 72.9 | 57.4 |
| 0°-60° | 113.5 | 89.3 |
| 0°-90° | 127.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 127.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 62 | 62 | 62 | 62 | 62 | |
| 5° | 73 | 69 | 61 | 54 | 52 | 7 |
| 15° | 96 | 77 | 51 | 38 | 34 | 28 |
| 25° | 118 | 73 | 39 | 26 | 22 | 54 |
| 35° | 114 | 60 | 28 | 18 | 16 | 72 |
| 45° | 80 | 43 | 20 | 13 | 12 | 62 |
| 55° | 42 | 25 | 14 | 10 | 9 | 38 |
| 65° | 19 | 13 | 8 | 7 | 6 | 19 |
| 75° | 4 | 3 | 3 | 2 | 2 | 5 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1445985
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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 0° | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| 2.5° | 67.8 | 67.8 | 67.8 | 67.1 | 67.1 | 66.0 | 65.3 | 64.2 | 63.5 | 62.4 | 62.1 |
| 5° | 73.3 | 73.3 | 72.5 | 71.8 | 70.7 | 69.3 | 67.5 | 65.7 | 63.5 | 61.7 | 61.0 |
| 7.5° | 78.7 | 79.0 | 77.9 | 76.5 | 74.3 | 71.8 | 69.3 | 66.4 | 63.1 | 60.6 | 59.2 |
| 10° | 84.4 | 84.4 | 83.0 | 80.8 | 77.6 | 74.0 | 70.0 | 66.0 | 62.1 | 58.5 | 57.0 |
| 12.5° | 90.2 | 89.8 | 88.0 | 84.8 | 80.8 | 75.8 | 70.4 | 65.3 | 60.6 | 56.3 | 54.1 |
| 15° | 95.6 | 95.6 | 93.1 | 89.1 | 83.4 | 76.9 | 70.4 | 63.9 | 58.5 | 53.4 | 51.2 |
| 17.5° | 101.8 | 101.8 | 98.5 | 92.4 | 85.2 | 76.9 | 69.3 | 62.1 | 55.9 | 50.5 | 48.0 |
| 20° | 108.6 | 108.3 | 103.6 | 95.3 | 85.9 | 76.5 | 67.8 | 59.9 | 53.0 | 47.3 | 45.1 |
| 22.5° | 113.7 | 113.3 | 107.9 | 97.8 | 86.2 | 75.4 | 65.3 | 57.0 | 50.2 | 44.4 | 41.9 |
| 25° | 118.4 | 117.6 | 111.5 | 98.9 | 85.5 | 73.3 | 62.8 | 53.8 | 47.3 | 41.5 | 39.0 |
| 27.5° | 121.2 | 120.9 | 114.0 | 98.5 | 83.7 | 70.4 | 59.5 | 50.9 | 44.0 | 38.2 | 36.1 |
| 30° | 122.0 | 122.3 | 114.0 | 96.7 | 80.8 | 67.5 | 56.3 | 47.6 | 40.8 | 35.7 | 33.2 |
| 31° | 122.0 | 122.3 | 113.3 | 95.6 | 79.7 | 66.0 | 54.8 | 46.5 | 39.3 | 34.3 | 32.1 |
| 32.5° | 120.5 | 119.8 | 112.2 | 93.8 | 77.2 | 63.5 | 53.0 | 44.7 | 37.5 | 32.5 | 30.7 |
| 35° | 114.0 | 114.4 | 108.6 | 89.8 | 73.6 | 59.9 | 49.4 | 41.1 | 34.3 | 29.9 | 28.1 |
| 37.5° | 110.4 | 110.4 | 100.0 | 84.4 | 69.6 | 56.7 | 45.1 | 37.2 | 31.4 | 27.4 | 25.6 |
| 40° | 102.8 | 101.8 | 92.0 | 78.7 | 65.0 | 52.7 | 42.6 | 34.6 | 28.9 | 24.9 | 23.5 |
| 42.5° | 92.0 | 90.9 | 83.4 | 73.6 | 58.8 | 47.6 | 40.4 | 30.7 | 26.0 | 22.7 | 21.3 |
| 45° | 80.5 | 79.7 | 74.0 | 65.0 | 53.0 | 42.9 | 35.0 | 28.1 | 23.8 | 20.6 | 19.5 |
| 47.5° | 70.0 | 68.9 | 64.6 | 57.7 | 48.0 | 38.6 | 30.3 | 25.3 | 21.3 | 18.8 | 18.0 |
| 50° | 59.9 | 59.5 | 55.9 | 50.5 | 42.6 | 33.6 | 26.7 | 22.4 | 19.5 | 17.3 | 16.2 |
| 52.5° | 50.5 | 49.8 | 48.0 | 43.7 | 37.2 | 29.2 | 23.5 | 19.8 | 17.3 | 15.9 | 15.2 |
| 55° | 41.5 | 41.5 | 39.7 | 36.8 | 31.8 | 24.9 | 20.6 | 17.7 | 15.5 | 14.4 | 13.7 |
| 57.5° | 34.3 | 34.3 | 32.8 | 31.0 | 26.3 | 21.3 | 18.0 | 15.5 | 14.1 | 13.0 | 12.3 |
| 60° | 28.1 | 28.1 | 27.1 | 25.3 | 22.0 | 18.0 | 15.5 | 13.7 | 12.6 | 11.5 | 11.2 |
| 62.5° | 23.5 | 23.1 | 22.4 | 20.6 | 18.0 | 15.2 | 13.4 | 11.9 | 10.8 | 10.1 | 9.7 |
| 65° | 18.8 | 18.4 | 17.7 | 16.2 | 14.4 | 12.6 | 11.2 | 10.1 | 9.4 | 8.7 | 8.3 |
| 67.5° | 14.4 | 14.4 | 13.7 | 12.6 | 11.2 | 10.1 | 9.0 | 8.3 | 7.6 | 7.2 | 6.9 |
| 70° | 10.5 | 10.5 | 10.1 | 9.4 | 8.3 | 7.6 | 6.9 | 6.5 | 6.1 | 5.8 | 5.4 |
| 72.5° | 7.2 | 7.2 | 6.9 | 6.5 | 5.8 | 5.4 | 4.7 | 4.7 | 4.3 | 4.3 | 4.0 |
| 75° | 4.0 | 4.0 | 4.0 | 3.6 | 3.6 | 3.2 | 3.2 | 3.2 | 2.9 | 2.9 | 2.9 |
| 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 |



TEST NUMBER: P1445985

CATALOG NUMBER: P3ART02R709035DE010 E3LCWW1WMH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 0° | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| 2.5° | 61.7 | 60.6 | 59.9 | 59.5 | 58.5 | 58.1 | 57.7 | 57.4 | 57.4 | 57.4 |
| 5° | 60.3 | 58.5 | 56.7 | 55.6 | 54.1 | 53.4 | 52.7 | 52.3 | 52.0 | 52.0 |
| 7.5° | 57.7 | 55.6 | 53.4 | 51.6 | 50.2 | 48.7 | 48.0 | 47.3 | 47.3 | 46.9 |
| 10° | 55.2 | 52.3 | 49.8 | 47.3 | 45.8 | 44.0 | 43.3 | 42.6 | 42.2 | 42.2 |
| 12.5° | 52.3 | 48.7 | 45.8 | 43.7 | 41.5 | 40.1 | 39.0 | 38.2 | 37.9 | 37.9 |
| 15° | 49.1 | 45.5 | 42.2 | 40.1 | 37.9 | 36.1 | 35.0 | 34.3 | 33.9 | 33.9 |
| 17.5° | 45.8 | 42.2 | 38.6 | 36.4 | 34.3 | 32.5 | 31.8 | 31.0 | 30.7 | 30.3 |
| 20° | 42.9 | 38.6 | 35.7 | 32.8 | 31.0 | 29.6 | 28.5 | 27.8 | 27.4 | 27.4 |
| 22.5° | 39.7 | 35.7 | 32.5 | 30.3 | 28.5 | 27.1 | 25.6 | 25.3 | 24.9 | 24.9 |
| 25° | 36.4 | 32.8 | 29.9 | 27.8 | 25.6 | 24.5 | 23.5 | 22.7 | 22.7 | 22.4 |
| 27.5° | 33.9 | 30.3 | 27.4 | 25.3 | 23.8 | 22.4 | 21.7 | 20.9 | 20.6 | 20.6 |
| 30° | 31.0 | 27.8 | 25.3 | 23.5 | 21.7 | 20.6 | 19.8 | 19.1 | 19.1 | 19.1 |
| 31° | 30.3 | 27.1 | 24.5 | 22.4 | 20.9 | 19.8 | 19.1 | 18.8 | 18.4 | 18.4 |
| 32.5° | 28.5 | 25.6 | 23.1 | 21.3 | 19.8 | 18.8 | 18.0 | 17.7 | 17.7 | 17.3 |
| 35° | 26.3 | 23.5 | 21.3 | 19.5 | 18.4 | 17.3 | 16.6 | 16.2 | 16.2 | 16.2 |
| 37.5° | 24.2 | 21.7 | 19.5 | 18.0 | 17.0 | 15.9 | 15.5 | 14.8 | 14.8 | 14.8 |
| 40° | 22.0 | 19.8 | 18.0 | 16.6 | 15.5 | 14.8 | 14.4 | 14.1 | 13.7 | 13.7 |
| 42.5° | 20.2 | 18.0 | 16.6 | 15.5 | 14.4 | 13.7 | 13.4 | 13.0 | 13.0 | 12.6 |
| 45° | 18.4 | 16.6 | 15.5 | 14.4 | 13.4 | 13.0 | 12.6 | 12.3 | 11.9 | 11.9 |
| 47.5° | 17.0 | 15.5 | 14.1 | 13.4 | 12.6 | 11.9 | 11.5 | 11.5 | 11.2 | 11.2 |
| 50° | 15.5 | 14.1 | 13.0 | 12.3 | 11.5 | 11.2 | 10.8 | 10.8 | 10.5 | 10.5 |
| 52.5° | 14.4 | 13.0 | 12.3 | 11.5 | 10.8 | 10.5 | 10.1 | 10.1 | 9.7 | 9.7 |
| 55° | 13.0 | 11.9 | 11.2 | 10.8 | 10.1 | 9.7 | 9.4 | 9.0 | 9.0 | 9.4 |
| 57.5° | 11.9 | 11.2 | 10.5 | 10.1 | 9.4 | 9.0 | 8.7 | 8.7 | 8.3 | 8.7 |
| 60° | 10.8 | 10.1 | 9.4 | 9.0 | 8.7 | 8.3 | 7.9 | 7.6 | 7.6 | 7.6 |
| 62.5° | 9.7 | 9.0 | 8.7 | 7.9 | 7.6 | 7.6 | 7.2 | 7.2 | 7.2 | 6.9 |
| 65° | 8.3 | 7.9 | 7.6 | 7.2 | 6.9 | 6.5 | 6.5 | 6.1 | 6.1 | 6.1 |
| 67.5° | 6.9 | 6.5 | 6.1 | 6.1 | 5.8 | 5.4 | 5.4 | 5.4 | 5.4 | 5.1 |
| 70° | 5.4 | 5.1 | 5.1 | 4.7 | 4.7 | 4.7 | 4.3 | 4.3 | 4.3 | 4.3 |
| 72.5° | 4.0 | 4.0 | 3.6 | 3.6 | 3.6 | 3.6 | 3.2 | 3.2 | 3.2 | 3.2 |
| 75° | 2.9 | 2.9 | 2.9 | 2.5 | 2.5 | 2.5 | 2.2 | 2.2 | 2.2 | 2.2 |
| 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)