

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: P1271501

Luminaire Tested: P3AS05R709827DE010 E3LSWW1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R709827DE010 E3LSWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3LSWW1H TRIM
Light Source: -
Ballast/Driver: -

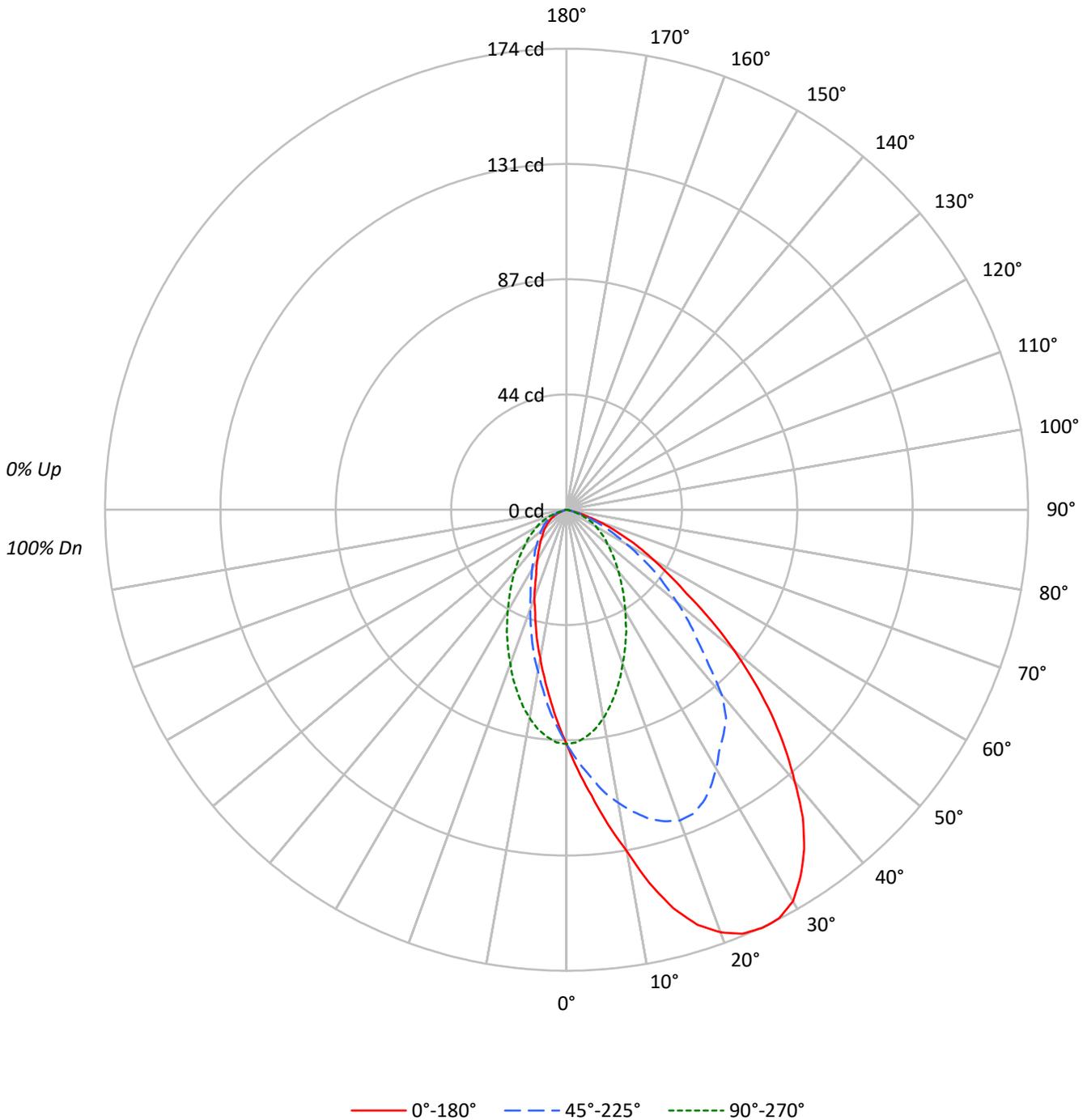
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 176.0 lumens
Efficiency: N/A
Efficacy: 24.5 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): 7.2
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: P1271501
CATALOG NUMBER: P3AS05R709827DE010 E3LSWW1H

Luminous Intensity Polar Plot





TEST NUMBER: P1271501
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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 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 89 | 89 | 89 |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 85 | 81 | 85 | 82 | 80 | 78 | 78 | 78 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 | 68 | 68 |
| 4 | 88 | 78 | 70 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | 60 | 60 |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 62 | 57 | 68 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 53 | 53 | 53 |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 50 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 47 | 47 | 47 |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | 43 | 43 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 | 39 | 39 |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | 35 | 35 |
| 10 | 59 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | 32 | 32 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 19384 | 19384 | 19384 | 19384 | 19384 |
| 5° | 23839 | 22188 | 18908 | 16597 | 15716 |
| 10° | 29124 | 25005 | 17791 | 13783 | 12670 |
| 15° | 35346 | 27424 | 16209 | 11442 | 10193 |
| 20° | 39600 | 29123 | 14445 | 9311 | 8261 |
| 25° | 42148 | 29469 | 12799 | 7718 | 6533 |
| 30° | 43222 | 28561 | 11242 | 6583 | 5570 |
| 35° | 41814 | 27653 | 9878 | 5622 | 4818 |
| 40° | 38300 | 26020 | 8731 | 5009 | 4294 |
| 45° | 33895 | 21677 | 7753 | 4652 | 3876 |
| 50° | 28110 | 18558 | 6823 | 4264 | 3582 |
| 55° | 21180 | 15445 | 6308 | 4014 | 3250 |
| 60° | 16621 | 11622 | 5701 | 3728 | 2851 |
| 65° | 12453 | 8561 | 4929 | 3113 | 2335 |
| 70° | 8014 | 5450 | 3526 | 2244 | 1282 |
| 75° | 3389 | 2965 | 1694 | 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: 33895 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 8.4 | 4.8 |
| 10°-20° | 24.1 | 13.7 |
| 20°-30° | 35.3 | 20.0 |
| 30°-40° | 38.4 | 21.8 |
| 40°-50° | 33.3 | 18.9 |
| 50°-60° | 22.3 | 12.7 |
| 60°-70° | 11.5 | 6.5 |
| 70°-80° | 2.7 | 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° | 67.8 | 38.5 |
| 0°-40° | 106.2 | 60.3 |
| 0°-60° | 161.8 | 91.9 |
| 0°-90° | 176.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 176.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 88 | 88 | 88 | 88 | 88 | |
| 5° | 108 | 101 | 86 | 75 | 71 | 11 |
| 15° | 156 | 121 | 71 | 50 | 45 | 44 |
| 25° | 174 | 122 | 53 | 32 | 27 | 80 |
| 35° | 156 | 103 | 37 | 21 | 18 | 97 |
| 45° | 109 | 70 | 25 | 15 | 12 | 84 |
| 55° | 55 | 40 | 16 | 10 | 8 | 51 |
| 65° | 24 | 16 | 10 | 6 | 4 | 24 |
| 75° | 4 | 4 | 2 | 1 | 0 | 5 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1271501
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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| 0° | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| 2.5° | 98.3 | 97.8 | 97.8 | 96.8 | 95.8 | 94.8 | 93.3 | 91.8 | 90.4 | 88.9 | 87.9 |
| 5° | 108.3 | 108.8 | 108.3 | 106.3 | 103.8 | 100.8 | 97.8 | 94.3 | 90.9 | 87.9 | 85.9 |
| 7.5° | 119.8 | 119.8 | 118.3 | 115.8 | 112.3 | 107.3 | 102.3 | 96.3 | 90.9 | 85.9 | 83.4 |
| 10° | 130.8 | 130.8 | 128.3 | 124.3 | 118.8 | 112.3 | 105.3 | 97.3 | 89.9 | 82.9 | 79.9 |
| 12.5° | 144.3 | 143.8 | 140.8 | 134.3 | 126.3 | 116.8 | 107.3 | 97.3 | 88.4 | 79.9 | 75.9 |
| 15° | 155.7 | 155.2 | 151.3 | 143.3 | 132.8 | 120.8 | 107.8 | 96.3 | 85.4 | 75.9 | 71.4 |
| 17.5° | 164.2 | 163.2 | 158.7 | 150.3 | 138.3 | 123.3 | 108.3 | 94.3 | 81.9 | 71.4 | 66.9 |
| 20° | 169.7 | 169.2 | 164.2 | 154.2 | 141.3 | 124.8 | 107.8 | 91.8 | 78.4 | 66.9 | 61.9 |
| 22.5° | 173.2 | 172.2 | 167.2 | 156.2 | 141.3 | 124.3 | 105.8 | 88.4 | 73.9 | 62.4 | 57.4 |
| 25° | 174.2 | 173.7 | 167.7 | 155.7 | 139.8 | 121.8 | 102.8 | 84.9 | 69.4 | 57.9 | 52.9 |
| 26° | 174.2 | 173.7 | 167.7 | 155.2 | 138.8 | 120.3 | 101.3 | 83.4 | 67.9 | 55.9 | 51.4 |
| 27.5° | 173.7 | 173.2 | 166.7 | 153.7 | 136.8 | 117.8 | 98.3 | 80.4 | 64.9 | 53.4 | 48.4 |
| 30° | 170.7 | 169.7 | 163.2 | 150.3 | 132.3 | 112.8 | 93.3 | 75.9 | 60.4 | 48.9 | 44.4 |
| 32.5° | 164.2 | 163.2 | 156.2 | 144.3 | 127.3 | 107.3 | 87.9 | 70.9 | 55.9 | 44.4 | 40.4 |
| 35° | 156.2 | 155.2 | 148.3 | 136.8 | 120.3 | 103.3 | 81.9 | 65.4 | 50.9 | 40.9 | 36.9 |
| 37.5° | 146.3 | 144.8 | 138.8 | 126.8 | 111.8 | 98.8 | 76.9 | 59.9 | 46.4 | 36.9 | 33.4 |
| 40° | 133.8 | 133.3 | 127.8 | 116.8 | 101.8 | 90.9 | 73.9 | 59.9 | 42.4 | 33.4 | 30.5 |
| 42.5° | 121.8 | 120.8 | 115.8 | 106.3 | 92.8 | 79.4 | 64.9 | 57.4 | 39.4 | 30.0 | 27.5 |
| 45° | 109.3 | 108.3 | 103.8 | 95.8 | 83.4 | 69.9 | 69.9 | 49.4 | 33.9 | 27.5 | 25.0 |
| 47.5° | 95.8 | 94.8 | 91.4 | 85.4 | 74.4 | 62.4 | 50.9 | 40.4 | 30.9 | 24.5 | 22.5 |
| 50° | 82.4 | 82.9 | 79.9 | 73.9 | 65.4 | 54.4 | 43.9 | 33.9 | 26.5 | 22.0 | 20.0 |
| 52.5° | 68.9 | 68.4 | 66.4 | 62.4 | 56.4 | 46.9 | 37.4 | 29.0 | 23.0 | 19.5 | 18.5 |
| 55° | 55.4 | 55.9 | 54.9 | 52.4 | 47.4 | 40.4 | 31.4 | 25.0 | 20.5 | 17.5 | 16.5 |
| 57.5° | 45.9 | 46.4 | 44.4 | 42.9 | 38.9 | 32.9 | 26.0 | 21.0 | 17.5 | 15.5 | 14.5 |
| 60° | 37.9 | 38.4 | 36.9 | 34.9 | 31.9 | 26.5 | 21.0 | 17.5 | 15.5 | 14.0 | 13.0 |
| 62.5° | 30.9 | 30.5 | 29.5 | 27.5 | 25.0 | 21.0 | 17.0 | 14.5 | 13.0 | 12.0 | 11.5 |
| 65° | 24.0 | 24.0 | 23.0 | 21.5 | 19.5 | 16.5 | 13.5 | 12.0 | 11.0 | 10.0 | 9.5 |
| 67.5° | 18.0 | 18.0 | 17.0 | 16.0 | 14.0 | 12.0 | 10.5 | 9.5 | 9.0 | 8.0 | 7.5 |
| 70° | 12.5 | 12.5 | 12.0 | 11.5 | 10.0 | 8.5 | 8.0 | 7.0 | 6.5 | 6.0 | 5.5 |
| 72.5° | 8.0 | 8.0 | 8.0 | 7.0 | 6.5 | 5.5 | 5.5 | 5.0 | 4.5 | 4.0 | 4.0 |
| 75° | 4.0 | 4.5 | 4.0 | 4.0 | 3.5 | 3.5 | 3.0 | 3.0 | 2.5 | 2.5 | 2.0 |
| 77.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 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: P1271501
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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 0° | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| 2.5° | 86.9 | 85.4 | 84.4 | 82.9 | 81.9 | 80.9 | 80.4 | 79.9 | 79.9 | 79.9 |
| 5° | 84.4 | 81.9 | 79.4 | 76.9 | 75.4 | 73.9 | 72.4 | 71.9 | 71.4 | 71.4 |
| 7.5° | 81.4 | 77.4 | 73.9 | 70.9 | 68.4 | 66.9 | 65.4 | 64.4 | 63.9 | 63.9 |
| 10° | 77.4 | 72.4 | 68.4 | 64.4 | 61.9 | 59.9 | 58.9 | 57.4 | 57.4 | 56.9 |
| 12.5° | 72.9 | 66.9 | 62.4 | 58.9 | 56.4 | 53.9 | 52.4 | 51.4 | 50.9 | 50.9 |
| 15° | 67.9 | 61.9 | 56.9 | 52.9 | 50.4 | 47.9 | 46.4 | 45.4 | 44.9 | 44.9 |
| 17.5° | 62.9 | 56.4 | 51.4 | 47.4 | 44.9 | 42.4 | 40.9 | 39.9 | 39.9 | 39.4 |
| 20° | 57.9 | 51.4 | 46.4 | 42.4 | 39.9 | 37.9 | 36.4 | 35.4 | 34.9 | 35.4 |
| 22.5° | 53.4 | 46.9 | 41.9 | 38.4 | 35.4 | 33.4 | 31.9 | 31.4 | 30.9 | 30.9 |
| 25° | 48.4 | 42.4 | 37.9 | 34.4 | 31.9 | 30.0 | 28.5 | 28.0 | 27.5 | 27.0 |
| 26° | 46.9 | 40.9 | 36.4 | 32.9 | 30.5 | 28.5 | 27.5 | 26.5 | 26.0 | 26.0 |
| 27.5° | 44.9 | 38.4 | 34.4 | 30.9 | 28.5 | 27.0 | 25.5 | 25.0 | 24.5 | 24.5 |
| 30° | 40.4 | 34.9 | 30.9 | 28.0 | 26.0 | 24.0 | 23.0 | 22.5 | 22.0 | 22.0 |
| 32.5° | 36.9 | 31.4 | 28.0 | 25.5 | 23.5 | 22.0 | 21.0 | 20.0 | 20.0 | 20.0 |
| 35° | 33.4 | 28.5 | 25.5 | 23.0 | 21.0 | 19.5 | 19.0 | 18.5 | 18.0 | 18.0 |
| 37.5° | 30.5 | 26.0 | 23.0 | 21.0 | 19.5 | 18.0 | 17.0 | 16.5 | 16.5 | 16.5 |
| 40° | 27.5 | 24.0 | 21.0 | 19.0 | 17.5 | 16.5 | 15.5 | 15.0 | 15.0 | 15.0 |
| 42.5° | 25.0 | 21.5 | 19.5 | 17.5 | 16.0 | 15.0 | 14.5 | 14.0 | 13.5 | 13.5 |
| 45° | 23.0 | 20.0 | 17.5 | 16.0 | 15.0 | 14.0 | 13.0 | 12.5 | 12.5 | 12.5 |
| 47.5° | 20.5 | 18.5 | 16.0 | 14.5 | 13.5 | 12.5 | 12.0 | 11.5 | 11.5 | 11.5 |
| 50° | 19.0 | 17.0 | 15.0 | 13.5 | 12.5 | 11.5 | 11.0 | 10.5 | 10.5 | 10.5 |
| 52.5° | 17.0 | 15.5 | 14.0 | 12.5 | 11.5 | 10.5 | 10.0 | 9.5 | 9.5 | 9.5 |
| 55° | 15.5 | 14.0 | 12.5 | 11.5 | 10.5 | 9.5 | 9.0 | 8.5 | 8.5 | 8.5 |
| 57.5° | 14.0 | 12.5 | 11.5 | 10.5 | 9.5 | 9.0 | 8.0 | 8.0 | 7.5 | 7.5 |
| 60° | 12.5 | 11.0 | 10.0 | 9.5 | 8.5 | 8.0 | 7.0 | 6.5 | 6.5 | 6.5 |
| 62.5° | 10.5 | 10.0 | 9.0 | 8.0 | 7.0 | 6.5 | 6.0 | 5.5 | 5.5 | 5.5 |
| 65° | 9.0 | 8.5 | 7.5 | 6.5 | 6.0 | 5.5 | 5.0 | 4.5 | 4.5 | 4.5 |
| 67.5° | 7.5 | 6.5 | 6.0 | 5.5 | 5.0 | 4.5 | 4.0 | 3.5 | 3.0 | 3.5 |
| 70° | 5.5 | 5.0 | 4.5 | 4.0 | 3.5 | 3.0 | 2.5 | 2.5 | 2.0 | 2.0 |
| 72.5° | 3.5 | 3.0 | 3.0 | 2.5 | 2.0 | 2.0 | 1.5 | 1.5 | 1.0 | 1.0 |
| 75° | 2.0 | 2.0 | 1.5 | 1.5 | 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)