

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: P1446661

Luminaire Tested: P3ART05R709735DE010 E3LCWW1WMH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446661
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: P3ART05R709735DE010 E3LCWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

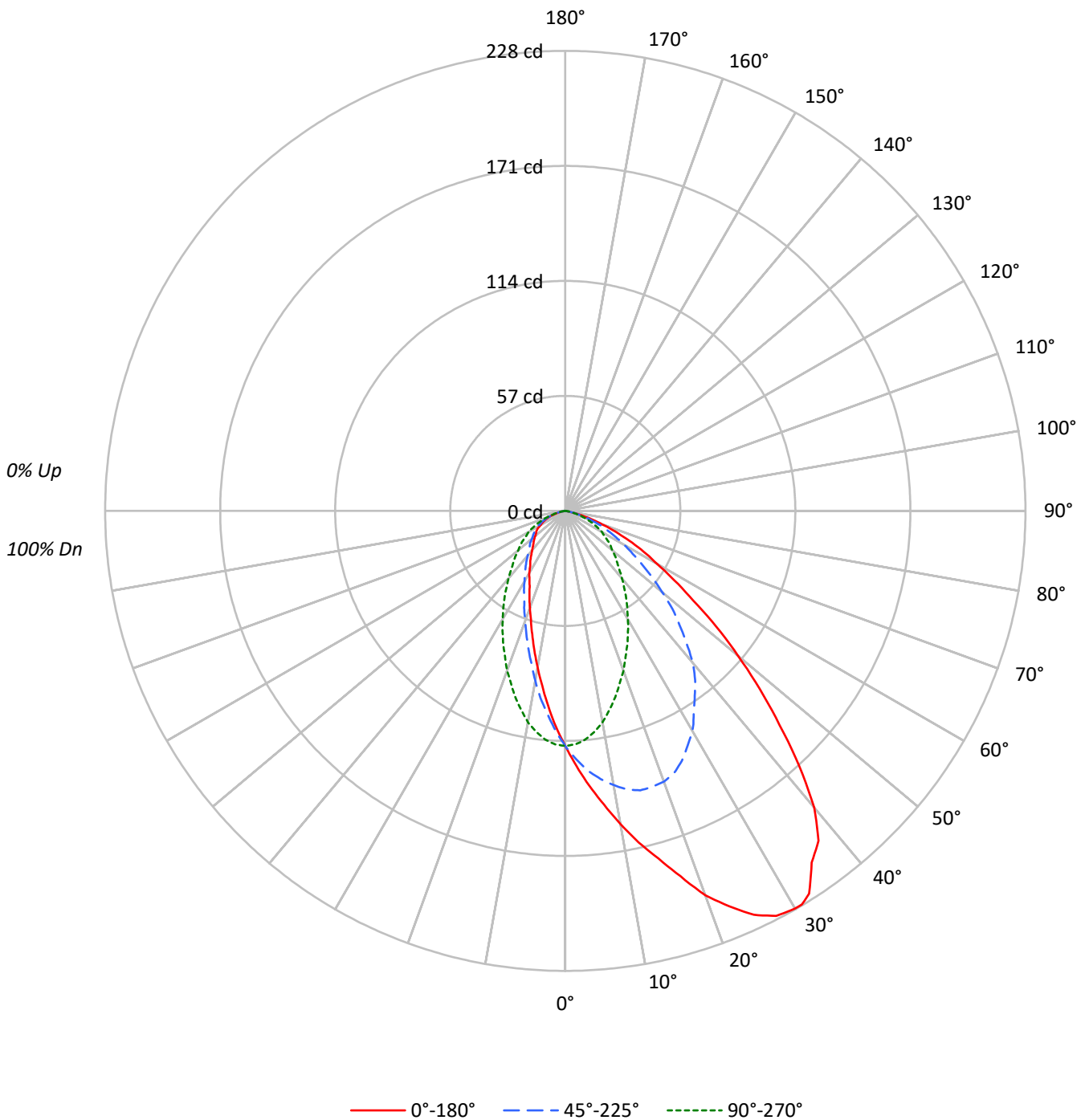
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 237.0 lumens
Efficiency: N/A
Efficacy: 32.9 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): 7.2
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

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Luminous Intensity Polar Plot





TEST NUMBER: P1446661

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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° | 25546 | 25546 | 25546 | 25546 | 25546 |
| 5° | 30090 | 28461 | 25049 | 22232 | 21351 |
| 10° | 35092 | 30728 | 23691 | 19038 | 17546 |
| 15° | 40500 | 32554 | 21703 | 16050 | 14370 |
| 20° | 47301 | 33323 | 19648 | 13511 | 11948 |
| 25° | 53447 | 33074 | 17590 | 11565 | 10089 |
| 30° | 57629 | 31878 | 15699 | 10229 | 9039 |
| 35° | 56965 | 29928 | 14054 | 9182 | 8111 |
| 40° | 54931 | 28138 | 12538 | 8301 | 7328 |
| 45° | 46578 | 24840 | 11288 | 7722 | 6884 |
| 50° | 38139 | 21355 | 10337 | 7335 | 6652 |
| 55° | 29590 | 17777 | 9787 | 7226 | 6690 |
| 60° | 23024 | 14780 | 9166 | 7105 | 6184 |
| 65° | 18160 | 12245 | 8042 | 6641 | 5915 |
| 70° | 12502 | 9040 | 6475 | 5642 | 5193 |
| 75° | 6270 | 5168 | 4575 | 3982 | 3389 |
| 80° | 884 | 1642 | 2526 | 1642 | 884 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 46578 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 10.9 | 4.6 |
| 10°-20° | 30.3 | 12.8 |
| 20°-30° | 44.7 | 18.9 |
| 30°-40° | 50.1 | 21.2 |
| 40°-50° | 44.1 | 18.6 |
| 50°-60° | 31.5 | 13.3 |
| 60°-70° | 18.7 | 7.9 |
| 70°-80° | 6.3 | 2.6 |
| 80°-90° | 0.3 | 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° | 86.0 | 36.3 |
| 0°-40° | 136.1 | 57.4 |
| 0°-60° | 211.8 | 89.3 |
| 0°-90° | 237.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 237.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 116 | 116 | 116 | 116 | 116 | |
| 5° | 137 | 129 | 114 | 101 | 97 | 14 |
| 15° | 178 | 143 | 96 | 71 | 63 | 51 |
| 25° | 221 | 137 | 73 | 48 | 42 | 102 |
| 35° | 213 | 112 | 52 | 34 | 30 | 134 |
| 45° | 150 | 80 | 36 | 25 | 22 | 116 |
| 55° | 77 | 46 | 26 | 19 | 18 | 71 |
| 65° | 35 | 24 | 16 | 13 | 11 | 35 |
| 75° | 7 | 6 | 5 | 5 | 4 | 9 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446661

CATALOG NUMBER: P3ART05R709735DE010 E3LCWW1WMH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 |
| 2.5° | 126.6 | 126.6 | 126.6 | 125.2 | 125.2 | 123.2 | 121.9 | 119.9 | 118.5 | 116.5 | 115.8 |
| 5° | 136.7 | 136.7 | 135.4 | 134.0 | 132.0 | 129.3 | 125.9 | 122.6 | 118.5 | 115.1 | 113.8 |
| 7.5° | 146.8 | 147.5 | 145.5 | 142.8 | 138.7 | 134.0 | 129.3 | 123.9 | 117.8 | 113.1 | 110.4 |
| 10° | 157.6 | 157.6 | 154.9 | 150.8 | 144.8 | 138.0 | 130.6 | 123.2 | 115.8 | 109.1 | 106.4 |
| 12.5° | 168.3 | 167.7 | 164.3 | 158.2 | 150.8 | 141.4 | 131.3 | 121.9 | 113.1 | 105.0 | 101.0 |
| 15° | 178.4 | 178.4 | 173.7 | 166.3 | 155.6 | 143.4 | 131.3 | 119.2 | 109.1 | 99.7 | 95.6 |
| 17.5° | 189.9 | 189.9 | 183.8 | 172.4 | 158.9 | 143.4 | 129.3 | 115.8 | 104.4 | 94.3 | 89.6 |
| 20° | 202.7 | 202.0 | 193.3 | 177.8 | 160.3 | 142.8 | 126.6 | 111.8 | 99.0 | 88.2 | 84.2 |
| 22.5° | 212.1 | 211.4 | 201.3 | 182.5 | 160.9 | 140.7 | 121.9 | 106.4 | 93.6 | 82.8 | 78.1 |
| 25° | 220.9 | 219.5 | 208.1 | 184.5 | 159.6 | 136.7 | 117.2 | 100.3 | 88.2 | 77.4 | 72.7 |
| 27.5° | 226.3 | 225.6 | 212.8 | 183.8 | 156.2 | 131.3 | 111.1 | 94.9 | 82.2 | 71.4 | 67.3 |
| 30° | 227.6 | 228.3 | 212.8 | 180.5 | 150.8 | 125.9 | 105.0 | 88.9 | 76.1 | 66.7 | 62.0 |
| 31° | 227.6 | 228.3 | 211.4 | 178.4 | 148.8 | 123.2 | 102.4 | 86.9 | 73.4 | 64.0 | 59.9 |
| 32.5° | 224.9 | 223.6 | 209.4 | 175.1 | 144.1 | 118.5 | 99.0 | 83.5 | 70.0 | 60.6 | 57.2 |
| 35° | 212.8 | 213.5 | 202.7 | 167.7 | 137.4 | 111.8 | 92.3 | 76.8 | 64.0 | 55.9 | 52.5 |
| 37.5° | 206.1 | 206.1 | 186.5 | 157.6 | 130.0 | 105.7 | 84.2 | 69.4 | 58.6 | 51.2 | 47.8 |
| 40° | 191.9 | 189.9 | 171.7 | 146.8 | 121.2 | 98.3 | 79.5 | 64.6 | 53.9 | 46.5 | 43.8 |
| 42.5° | 171.7 | 169.7 | 155.6 | 137.4 | 109.8 | 88.9 | 75.4 | 57.2 | 48.5 | 42.4 | 39.7 |
| 45° | 150.2 | 148.8 | 138.0 | 121.2 | 99.0 | 80.1 | 65.3 | 52.5 | 44.4 | 38.4 | 36.4 |
| 47.5° | 130.6 | 128.6 | 120.5 | 107.7 | 89.6 | 72.1 | 56.6 | 47.1 | 39.7 | 35.0 | 33.7 |
| 50° | 111.8 | 111.1 | 104.4 | 94.3 | 79.5 | 62.6 | 49.8 | 41.7 | 36.4 | 32.3 | 30.3 |
| 52.5° | 94.3 | 92.9 | 89.6 | 81.5 | 69.4 | 54.5 | 43.8 | 37.0 | 32.3 | 29.6 | 28.3 |
| 55° | 77.4 | 77.4 | 74.1 | 68.7 | 59.3 | 46.5 | 38.4 | 33.0 | 29.0 | 26.9 | 25.6 |
| 57.5° | 64.0 | 64.0 | 61.3 | 57.9 | 49.2 | 39.7 | 33.7 | 29.0 | 26.3 | 24.2 | 22.9 |
| 60° | 52.5 | 52.5 | 50.5 | 47.1 | 41.1 | 33.7 | 29.0 | 25.6 | 23.6 | 21.5 | 20.9 |
| 62.5° | 43.8 | 43.1 | 41.7 | 38.4 | 33.7 | 28.3 | 24.9 | 22.2 | 20.2 | 18.9 | 18.2 |
| 65° | 35.0 | 34.3 | 33.0 | 30.3 | 26.9 | 23.6 | 20.9 | 18.9 | 17.5 | 16.2 | 15.5 |
| 67.5° | 26.9 | 26.9 | 25.6 | 23.6 | 20.9 | 18.9 | 16.8 | 15.5 | 14.1 | 13.5 | 12.8 |
| 70° | 19.5 | 19.5 | 18.9 | 17.5 | 15.5 | 14.1 | 12.8 | 12.1 | 11.4 | 10.8 | 10.1 |
| 72.5° | 13.5 | 13.5 | 12.8 | 12.1 | 10.8 | 10.1 | 8.8 | 8.8 | 8.1 | 8.1 | 7.4 |
| 75° | 7.4 | 7.4 | 7.4 | 6.7 | 6.7 | 6.1 | 6.1 | 6.1 | 5.4 | 5.4 | 5.4 |
| 77.5° | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 80° | 0.7 | 0.7 | 0.7 | 0.7 | 1.3 | 1.3 | 1.3 | 1.3 | 2.0 | 2.0 | 2.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 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: P1446661

CATALOG NUMBER: P3ART05R709735DE010 E3LCWW1WMH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 |
| 2.5° | 115.1 | 113.1 | 111.8 | 111.1 | 109.1 | 108.4 | 107.7 | 107.1 | 107.1 | 107.1 |
| 5° | 112.5 | 109.1 | 105.7 | 103.7 | 101.0 | 99.7 | 98.3 | 97.6 | 97.0 | 97.0 |
| 7.5° | 107.7 | 103.7 | 99.7 | 96.3 | 93.6 | 90.9 | 89.6 | 88.2 | 88.2 | 87.5 |
| 10° | 103.0 | 97.6 | 92.9 | 88.2 | 85.5 | 82.2 | 80.8 | 79.5 | 78.8 | 78.8 |
| 12.5° | 97.6 | 90.9 | 85.5 | 81.5 | 77.4 | 74.7 | 72.7 | 71.4 | 70.7 | 70.7 |
| 15° | 91.6 | 84.8 | 78.8 | 74.7 | 70.7 | 67.3 | 65.3 | 64.0 | 63.3 | 63.3 |
| 17.5° | 85.5 | 78.8 | 72.1 | 68.0 | 64.0 | 60.6 | 59.3 | 57.9 | 57.2 | 56.6 |
| 20° | 80.1 | 72.1 | 66.7 | 61.3 | 57.9 | 55.2 | 53.2 | 51.9 | 51.2 | 51.2 |
| 22.5° | 74.1 | 66.7 | 60.6 | 56.6 | 53.2 | 50.5 | 47.8 | 47.1 | 46.5 | 46.5 |
| 25° | 68.0 | 61.3 | 55.9 | 51.9 | 47.8 | 45.8 | 43.8 | 42.4 | 42.4 | 41.7 |
| 27.5° | 63.3 | 56.6 | 51.2 | 47.1 | 44.4 | 41.7 | 40.4 | 39.1 | 38.4 | 38.4 |
| 30° | 57.9 | 51.9 | 47.1 | 43.8 | 40.4 | 38.4 | 37.0 | 35.7 | 35.7 | 35.7 |
| 31° | 56.6 | 50.5 | 45.8 | 41.7 | 39.1 | 37.0 | 35.7 | 35.0 | 34.3 | 34.3 |
| 32.5° | 53.2 | 47.8 | 43.1 | 39.7 | 37.0 | 35.0 | 33.7 | 33.0 | 33.0 | 32.3 |
| 35° | 49.2 | 43.8 | 39.7 | 36.4 | 34.3 | 32.3 | 31.0 | 30.3 | 30.3 | 30.3 |
| 37.5° | 45.1 | 40.4 | 36.4 | 33.7 | 31.6 | 29.6 | 29.0 | 27.6 | 27.6 | 27.6 |
| 40° | 41.1 | 37.0 | 33.7 | 31.0 | 29.0 | 27.6 | 26.9 | 26.3 | 25.6 | 25.6 |
| 42.5° | 37.7 | 33.7 | 31.0 | 29.0 | 26.9 | 25.6 | 24.9 | 24.2 | 24.2 | 23.6 |
| 45° | 34.3 | 31.0 | 29.0 | 26.9 | 24.9 | 24.2 | 23.6 | 22.9 | 22.2 | 22.2 |
| 47.5° | 31.6 | 29.0 | 26.3 | 24.9 | 23.6 | 22.2 | 21.5 | 21.5 | 20.9 | 20.9 |
| 50° | 29.0 | 26.3 | 24.2 | 22.9 | 21.5 | 20.9 | 20.2 | 20.2 | 19.5 | 19.5 |
| 52.5° | 26.9 | 24.2 | 22.9 | 21.5 | 20.2 | 19.5 | 18.9 | 18.9 | 18.2 | 18.2 |
| 55° | 24.2 | 22.2 | 20.9 | 20.2 | 18.9 | 18.2 | 17.5 | 16.8 | 16.8 | 17.5 |
| 57.5° | 22.2 | 20.9 | 19.5 | 18.9 | 17.5 | 16.8 | 16.2 | 16.2 | 15.5 | 16.2 |
| 60° | 20.2 | 18.9 | 17.5 | 16.8 | 16.2 | 15.5 | 14.8 | 14.1 | 14.1 | 14.1 |
| 62.5° | 18.2 | 16.8 | 16.2 | 14.8 | 14.1 | 14.1 | 13.5 | 13.5 | 13.5 | 12.8 |
| 65° | 15.5 | 14.8 | 14.1 | 13.5 | 12.8 | 12.1 | 12.1 | 11.4 | 11.4 | 11.4 |
| 67.5° | 12.8 | 12.1 | 11.4 | 11.4 | 10.8 | 10.1 | 10.1 | 10.1 | 10.1 | 9.4 |
| 70° | 10.1 | 9.4 | 9.4 | 8.8 | 8.8 | 8.8 | 8.1 | 8.1 | 8.1 | 8.1 |
| 72.5° | 7.4 | 7.4 | 6.7 | 6.7 | 6.7 | 6.7 | 6.1 | 6.1 | 6.1 | 6.1 |
| 75° | 5.4 | 5.4 | 5.4 | 4.7 | 4.7 | 4.7 | 4.0 | 4.0 | 4.0 | 4.0 |
| 77.5° | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 80° | 2.0 | 2.0 | 2.0 | 2.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 0.7 |
| 82.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 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)