

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: P#

Luminaire Tested: P3ART05R709030D2WDE010 E3LCWW1WH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
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: P3ART05R709030D2WDE010 E3LCWW1WH
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
E3LCWW1WH TRIM
Light Source: -
Ballast/Driver: -

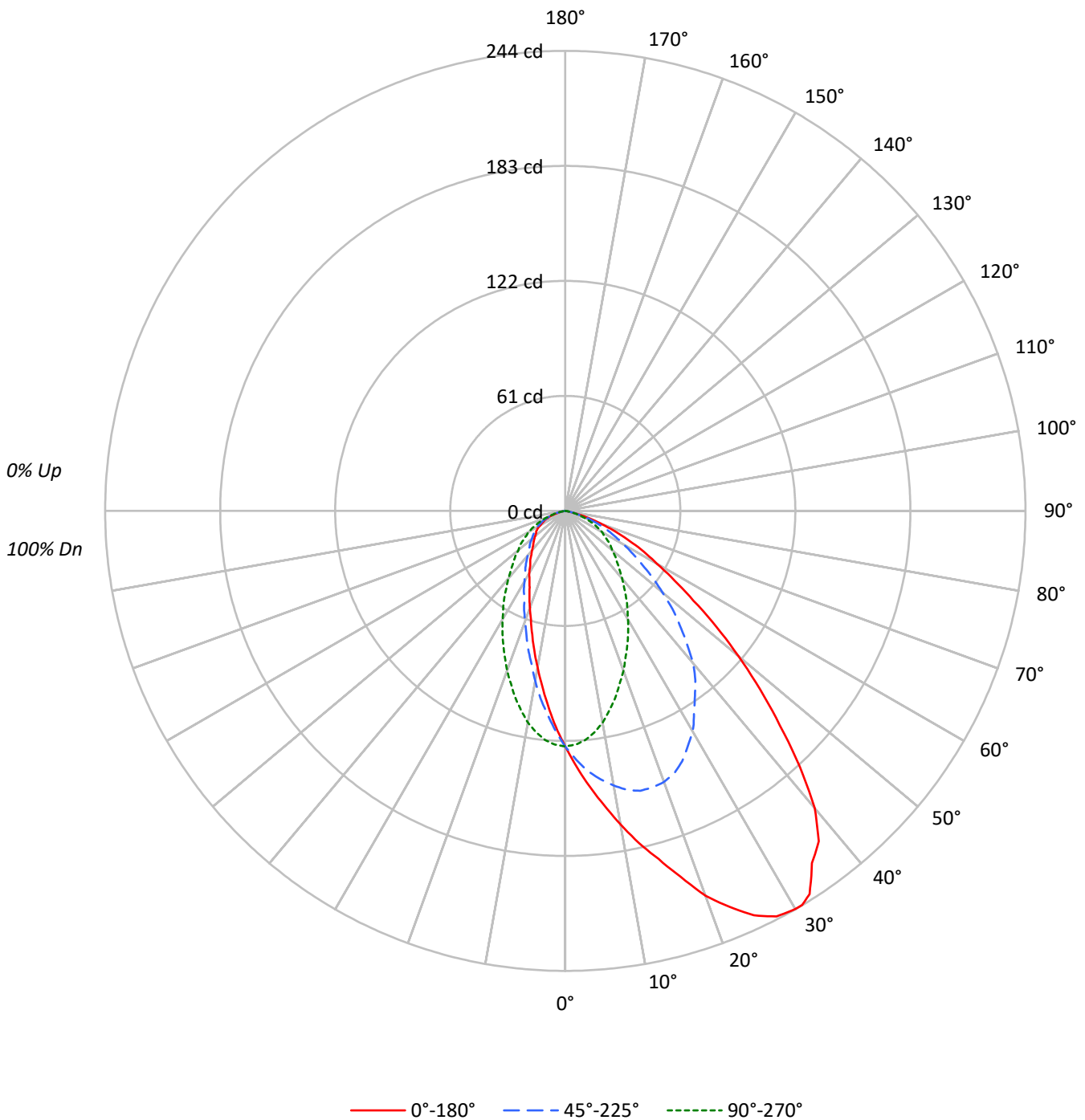
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 254.0 lumens
Efficiency: N/A
Efficacy: 22.9 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): 11.1
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: P#
CATALOG NUMBER: P3ART05R709030D2WDE010 E3LCWW1WH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART05R709030D2WDE010 E3LCWW1WH

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 | 0 |
| 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 | 34 |
| 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° | 27388 | 27388 | 27388 | 27388 | 27388 |
| 5° | 32247 | 30508 | 26854 | 23839 | 22870 |
| 10° | 37608 | 32932 | 25384 | 20418 | 18793 |
| 15° | 43405 | 34892 | 23269 | 17208 | 15392 |
| 20° | 50684 | 35703 | 21048 | 14491 | 12788 |
| 25° | 57269 | 35446 | 18848 | 12388 | 10815 |
| 30° | 61756 | 34182 | 16813 | 10964 | 9672 |
| 35° | 61061 | 32070 | 15071 | 9851 | 8700 |
| 40° | 58882 | 30171 | 13425 | 8874 | 7843 |
| 45° | 49897 | 26638 | 12094 | 8280 | 7381 |
| 50° | 40869 | 22891 | 11087 | 7880 | 7130 |
| 55° | 31731 | 19039 | 10475 | 7723 | 7187 |
| 60° | 24691 | 15832 | 9824 | 7587 | 6666 |
| 65° | 19457 | 13127 | 8613 | 7108 | 6382 |
| 70° | 13400 | 9745 | 6924 | 6027 | 5578 |
| 75° | 6693 | 5507 | 4914 | 4321 | 3643 |
| 80° | 884 | 1768 | 2778 | 1768 | 884 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 49897 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 11.7 | 4.6 |
| 10°-20° | 32.5 | 12.8 |
| 20°-30° | 47.9 | 18.9 |
| 30°-40° | 53.7 | 21.2 |
| 40°-50° | 47.2 | 18.6 |
| 50°-60° | 33.8 | 13.3 |
| 60°-70° | 20.0 | 7.9 |
| 70°-80° | 6.7 | 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° | 92.1 | 36.3 |
| 0°-40° | 145.9 | 57.4 |
| 0°-60° | 226.9 | 89.3 |
| 0°-90° | 254.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 254.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 125 | 125 | 125 | 125 | 125 | |
| 5° | 146 | 139 | 122 | 108 | 104 | 15 |
| 15° | 191 | 154 | 102 | 76 | 68 | 55 |
| 25° | 237 | 146 | 78 | 51 | 45 | 109 |
| 35° | 228 | 120 | 56 | 37 | 32 | 143 |
| 45° | 161 | 86 | 39 | 27 | 24 | 124 |
| 55° | 83 | 50 | 27 | 20 | 19 | 76 |
| 65° | 38 | 25 | 17 | 14 | 12 | 37 |
| 75° | 8 | 6 | 6 | 5 | 4 | 10 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART05R709030D2WDE010 E3LCWW1WH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 124.9 | 124.9 | 124.9 | 124.9 | 124.9 | 124.9 | 124.9 | 124.9 | 124.9 | 124.9 | 124.9 |
| 2.5° | 135.7 | 135.7 | 135.7 | 134.2 | 134.2 | 132.1 | 130.6 | 128.5 | 127.0 | 124.9 | 124.1 |
| 5° | 146.5 | 146.5 | 145.1 | 143.6 | 141.5 | 138.6 | 135.0 | 131.3 | 127.0 | 123.4 | 122.0 |
| 7.5° | 157.3 | 158.0 | 155.9 | 153.0 | 148.7 | 143.6 | 138.6 | 132.8 | 126.3 | 121.2 | 118.4 |
| 10° | 168.9 | 168.9 | 166.0 | 161.7 | 155.2 | 147.9 | 140.0 | 132.1 | 124.1 | 116.9 | 114.0 |
| 12.5° | 180.4 | 179.7 | 176.1 | 169.6 | 161.7 | 151.6 | 140.7 | 130.6 | 121.2 | 112.6 | 108.3 |
| 15° | 191.2 | 191.2 | 186.2 | 178.3 | 166.7 | 153.7 | 140.7 | 127.7 | 116.9 | 106.8 | 102.5 |
| 17.5° | 203.5 | 203.5 | 197.0 | 184.8 | 170.3 | 153.7 | 138.6 | 124.1 | 111.9 | 101.0 | 96.0 |
| 20° | 217.2 | 216.5 | 207.1 | 190.5 | 171.8 | 153.0 | 135.7 | 119.8 | 106.1 | 94.5 | 90.2 |
| 22.5° | 227.3 | 226.6 | 215.8 | 195.6 | 172.5 | 150.8 | 130.6 | 114.0 | 100.3 | 88.8 | 83.7 |
| 25° | 236.7 | 235.3 | 223.0 | 197.7 | 171.0 | 146.5 | 125.6 | 107.5 | 94.5 | 83.0 | 77.9 |
| 27.5° | 242.5 | 241.8 | 228.1 | 197.0 | 167.4 | 140.7 | 119.1 | 101.8 | 88.0 | 76.5 | 72.2 |
| 30° | 243.9 | 244.7 | 228.1 | 193.4 | 161.7 | 135.0 | 112.6 | 95.3 | 81.6 | 71.4 | 66.4 |
| 31° | 243.9 | 244.7 | 226.6 | 191.2 | 159.5 | 132.1 | 109.7 | 93.1 | 78.7 | 68.6 | 64.2 |
| 32.5° | 241.0 | 239.6 | 224.4 | 187.6 | 154.4 | 127.0 | 106.1 | 89.5 | 75.1 | 65.0 | 61.3 |
| 35° | 228.1 | 228.8 | 217.2 | 179.7 | 147.2 | 119.8 | 98.9 | 82.3 | 68.6 | 59.9 | 56.3 |
| 37.5° | 220.8 | 220.8 | 199.9 | 168.9 | 139.3 | 113.3 | 90.2 | 74.3 | 62.8 | 54.8 | 51.2 |
| 40° | 205.7 | 203.5 | 184.0 | 157.3 | 129.9 | 105.4 | 85.2 | 69.3 | 57.7 | 49.8 | 46.9 |
| 42.5° | 184.0 | 181.9 | 166.7 | 147.2 | 117.6 | 95.3 | 80.8 | 61.3 | 52.0 | 45.5 | 42.6 |
| 45° | 160.9 | 159.5 | 147.9 | 129.9 | 106.1 | 85.9 | 70.0 | 56.3 | 47.6 | 41.1 | 39.0 |
| 47.5° | 140.0 | 137.8 | 129.2 | 115.5 | 96.0 | 77.2 | 60.6 | 50.5 | 42.6 | 37.5 | 36.1 |
| 50° | 119.8 | 119.1 | 111.9 | 101.0 | 85.2 | 67.1 | 53.4 | 44.7 | 39.0 | 34.6 | 32.5 |
| 52.5° | 101.0 | 99.6 | 96.0 | 87.3 | 74.3 | 58.5 | 46.9 | 39.7 | 34.6 | 31.8 | 30.3 |
| 55° | 83.0 | 83.0 | 79.4 | 73.6 | 63.5 | 49.8 | 41.1 | 35.4 | 31.0 | 28.9 | 27.4 |
| 57.5° | 68.6 | 68.6 | 65.7 | 62.1 | 52.7 | 42.6 | 36.1 | 31.0 | 28.1 | 26.0 | 24.5 |
| 60° | 56.3 | 56.3 | 54.1 | 50.5 | 44.0 | 36.1 | 31.0 | 27.4 | 25.3 | 23.1 | 22.4 |
| 62.5° | 46.9 | 46.2 | 44.7 | 41.1 | 36.1 | 30.3 | 26.7 | 23.8 | 21.7 | 20.2 | 19.5 |
| 65° | 37.5 | 36.8 | 35.4 | 32.5 | 28.9 | 25.3 | 22.4 | 20.2 | 18.8 | 17.3 | 16.6 |
| 67.5° | 28.9 | 28.9 | 27.4 | 25.3 | 22.4 | 20.2 | 18.0 | 16.6 | 15.2 | 14.4 | 13.7 |
| 70° | 20.9 | 20.9 | 20.2 | 18.8 | 16.6 | 15.2 | 13.7 | 13.0 | 12.3 | 11.5 | 10.8 |
| 72.5° | 14.4 | 14.4 | 13.7 | 13.0 | 11.5 | 10.8 | 9.4 | 9.4 | 8.7 | 8.7 | 7.9 |
| 75° | 7.9 | 7.9 | 7.9 | 7.2 | 7.2 | 6.5 | 6.5 | 6.5 | 5.8 | 5.8 | 5.8 |
| 77.5° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 80° | 0.7 | 0.7 | 0.7 | 0.7 | 1.4 | 1.4 | 1.4 | 1.4 | 2.2 | 2.2 | 2.2 |
| 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: P#
 CATALOG NUMBER: P3ART05R709030D2WDE010 E3LCWW1WH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 124.9 | 124.9 | 124.9 | 124.9 | 124.9 | 124.9 | 124.9 | 124.9 | 124.9 | 124.9 |
| 2.5° | 123.4 | 121.2 | 119.8 | 119.1 | 116.9 | 116.2 | 115.5 | 114.7 | 114.7 | 114.7 |
| 5° | 120.5 | 116.9 | 113.3 | 111.1 | 108.3 | 106.8 | 105.4 | 104.6 | 103.9 | 103.9 |
| 7.5° | 115.5 | 111.1 | 106.8 | 103.2 | 100.3 | 97.4 | 96.0 | 94.5 | 94.5 | 93.8 |
| 10° | 110.4 | 104.6 | 99.6 | 94.5 | 91.7 | 88.0 | 86.6 | 85.2 | 84.4 | 84.4 |
| 12.5° | 104.6 | 97.4 | 91.7 | 87.3 | 83.0 | 80.1 | 77.9 | 76.5 | 75.8 | 75.8 |
| 15° | 98.1 | 90.9 | 84.4 | 80.1 | 75.8 | 72.2 | 70.0 | 68.6 | 67.8 | 67.8 |
| 17.5° | 91.7 | 84.4 | 77.2 | 72.9 | 68.6 | 65.0 | 63.5 | 62.1 | 61.3 | 60.6 |
| 20° | 85.9 | 77.2 | 71.4 | 65.7 | 62.1 | 59.2 | 57.0 | 55.6 | 54.8 | 54.8 |
| 22.5° | 79.4 | 71.4 | 65.0 | 60.6 | 57.0 | 54.1 | 51.2 | 50.5 | 49.8 | 49.8 |
| 25° | 72.9 | 65.7 | 59.9 | 55.6 | 51.2 | 49.1 | 46.9 | 45.5 | 45.5 | 44.7 |
| 27.5° | 67.8 | 60.6 | 54.8 | 50.5 | 47.6 | 44.7 | 43.3 | 41.9 | 41.1 | 41.1 |
| 30° | 62.1 | 55.6 | 50.5 | 46.9 | 43.3 | 41.1 | 39.7 | 38.2 | 38.2 | 38.2 |
| 31° | 60.6 | 54.1 | 49.1 | 44.7 | 41.9 | 39.7 | 38.2 | 37.5 | 36.8 | 36.8 |
| 32.5° | 57.0 | 51.2 | 46.2 | 42.6 | 39.7 | 37.5 | 36.1 | 35.4 | 35.4 | 34.6 |
| 35° | 52.7 | 46.9 | 42.6 | 39.0 | 36.8 | 34.6 | 33.2 | 32.5 | 32.5 | 32.5 |
| 37.5° | 48.4 | 43.3 | 39.0 | 36.1 | 33.9 | 31.8 | 31.0 | 29.6 | 29.6 | 29.6 |
| 40° | 44.0 | 39.7 | 36.1 | 33.2 | 31.0 | 29.6 | 28.9 | 28.1 | 27.4 | 27.4 |
| 42.5° | 40.4 | 36.1 | 33.2 | 31.0 | 28.9 | 27.4 | 26.7 | 26.0 | 26.0 | 25.3 |
| 45° | 36.8 | 33.2 | 31.0 | 28.9 | 26.7 | 26.0 | 25.3 | 24.5 | 23.8 | 23.8 |
| 47.5° | 33.9 | 31.0 | 28.1 | 26.7 | 25.3 | 23.8 | 23.1 | 23.1 | 22.4 | 22.4 |
| 50° | 31.0 | 28.1 | 26.0 | 24.5 | 23.1 | 22.4 | 21.7 | 21.7 | 20.9 | 20.9 |
| 52.5° | 28.9 | 26.0 | 24.5 | 23.1 | 21.7 | 20.9 | 20.2 | 20.2 | 19.5 | 19.5 |
| 55° | 26.0 | 23.8 | 22.4 | 21.7 | 20.2 | 19.5 | 18.8 | 18.0 | 18.0 | 18.8 |
| 57.5° | 23.8 | 22.4 | 20.9 | 20.2 | 18.8 | 18.0 | 17.3 | 17.3 | 16.6 | 17.3 |
| 60° | 21.7 | 20.2 | 18.8 | 18.0 | 17.3 | 16.6 | 15.9 | 15.2 | 15.2 | 15.2 |
| 62.5° | 19.5 | 18.0 | 17.3 | 15.9 | 15.2 | 15.2 | 14.4 | 14.4 | 14.4 | 13.7 |
| 65° | 16.6 | 15.9 | 15.2 | 14.4 | 13.7 | 13.0 | 13.0 | 12.3 | 12.3 | 12.3 |
| 67.5° | 13.7 | 13.0 | 12.3 | 12.3 | 11.5 | 10.8 | 10.8 | 10.8 | 10.8 | 10.1 |
| 70° | 10.8 | 10.1 | 10.1 | 9.4 | 9.4 | 9.4 | 8.7 | 8.7 | 8.7 | 8.7 |
| 72.5° | 7.9 | 7.9 | 7.2 | 7.2 | 7.2 | 7.2 | 6.5 | 6.5 | 6.5 | 6.5 |
| 75° | 5.8 | 5.8 | 5.8 | 5.1 | 5.1 | 5.1 | 4.3 | 4.3 | 4.3 | 4.3 |
| 77.5° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 80° | 2.2 | 2.2 | 2.2 | 2.2 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 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)