

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: P3ART09R709030D2WDE010 E3LSWW1LI

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 (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART09R709030D2WDE010 E3LSWW1LI
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
E3LSWW1LI TRIM
Light Source: -
Ballast/Driver: -

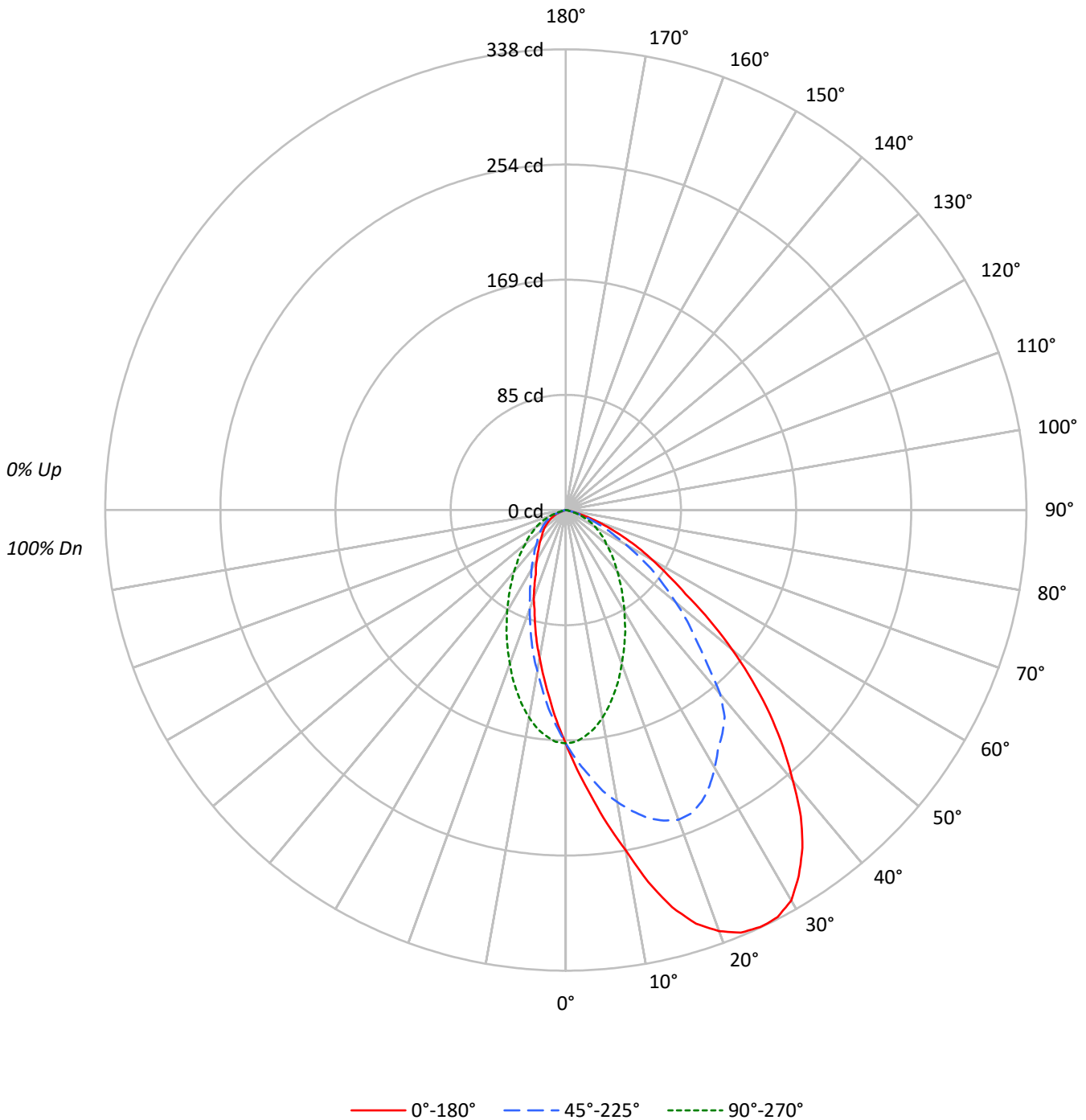
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 341.0 lumens
Efficiency: N/A
Efficacy: 23.2 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): 14.7
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: P3ART09R709030D2WDE010 E3LSWW1LI

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART09R709030D2WDE010 E3LSWW1LI

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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 91 | 91 | 91 | 89 |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 85 | 81 | 85 | 82 | 80 | 80 | 80 | 80 | 78 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 70 | 70 | 70 | 68 |
| 4 | 88 | 78 | 70 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 62 | 62 | 62 | 60 |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 62 | 57 | 68 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 55 | 55 | 55 | 53 |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 51 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 49 | 49 | 49 | 47 |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 44 | 44 | 44 | 43 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 40 | 40 | 40 | 39 |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 37 | 37 | 37 | 35 |
| 10 | 59 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 34 | 34 | 34 | 32 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 37541 | 37541 | 37541 | 37541 | 37541 |
| 5° | 46203 | 43011 | 36628 | 32137 | 30442 |
| 10° | 56423 | 48452 | 34446 | 26697 | 24560 |
| 15° | 68513 | 53144 | 31396 | 22179 | 19750 |
| 20° | 76727 | 56425 | 27979 | 18062 | 16031 |
| 25° | 81658 | 57100 | 24800 | 14977 | 12630 |
| 30° | 83760 | 55350 | 21801 | 12736 | 10786 |
| 35° | 81030 | 53592 | 19167 | 10868 | 9316 |
| 40° | 74196 | 50380 | 16889 | 9704 | 8301 |
| 45° | 65681 | 41989 | 15009 | 8993 | 7505 |
| 50° | 54446 | 35956 | 13202 | 8256 | 6925 |
| 55° | 41059 | 29934 | 12196 | 7761 | 6270 |
| 60° | 32234 | 22498 | 11008 | 7192 | 5526 |
| 65° | 24075 | 16552 | 9547 | 6019 | 4514 |
| 70° | 15515 | 10515 | 6796 | 4360 | 2500 |
| 75° | 6524 | 5761 | 3304 | 1610 | 847 |
| 80° | 1263 | 1263 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 65681 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 16.2 | 4.8 |
| 10°-20° | 46.7 | 13.7 |
| 20°-30° | 68.3 | 20.0 |
| 30°-40° | 74.5 | 21.8 |
| 40°-50° | 64.4 | 18.9 |
| 50°-60° | 43.2 | 12.7 |
| 60°-70° | 22.3 | 6.5 |
| 70°-80° | 5.3 | 1.5 |
| 80°-90° | 0.1 | 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° | 131.3 | 38.5 |
| 0°-40° | 205.8 | 60.3 |
| 0°-60° | 313.4 | 91.9 |
| 0°-90° | 341.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 341.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 171 | 171 | 171 | 171 | 171 | |
| 5° | 210 | 195 | 166 | 146 | 138 | 21 |
| 15° | 302 | 234 | 138 | 98 | 87 | 85 |
| 25° | 338 | 236 | 102 | 62 | 52 | 155 |
| 35° | 303 | 200 | 72 | 41 | 35 | 187 |
| 45° | 212 | 135 | 48 | 29 | 24 | 162 |
| 55° | 107 | 78 | 32 | 20 | 16 | 99 |
| 65° | 46 | 32 | 18 | 12 | 9 | 47 |
| 75° | 8 | 7 | 4 | 2 | 1 | 10 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART09R709030D2WDE010 E3LSWW1LI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 171.2 | 171.2 | 171.2 | 171.2 | 171.2 | 171.2 | 171.2 | 171.2 | 171.2 | 171.2 | 171.2 |
| 2.5° | 190.5 | 189.6 | 189.6 | 187.6 | 185.7 | 183.8 | 180.9 | 178.0 | 175.1 | 172.2 | 170.2 |
| 5° | 209.9 | 210.8 | 209.9 | 206.0 | 201.2 | 195.4 | 189.6 | 182.8 | 176.0 | 170.2 | 166.4 |
| 7.5° | 232.1 | 232.1 | 229.2 | 224.4 | 217.6 | 207.9 | 198.3 | 186.7 | 176.0 | 166.4 | 161.5 |
| 10° | 253.4 | 253.4 | 248.6 | 240.8 | 230.2 | 217.6 | 204.1 | 188.6 | 174.1 | 160.5 | 154.7 |
| 12.5° | 279.5 | 278.5 | 272.7 | 260.2 | 244.7 | 226.3 | 207.9 | 188.6 | 171.2 | 154.7 | 147.0 |
| 15° | 301.8 | 300.8 | 293.1 | 277.6 | 257.3 | 234.1 | 208.9 | 186.7 | 165.4 | 147.0 | 138.3 |
| 17.5° | 318.2 | 316.3 | 307.6 | 291.1 | 267.9 | 238.9 | 209.9 | 182.8 | 158.6 | 138.3 | 129.6 |
| 20° | 328.8 | 327.9 | 318.2 | 298.9 | 273.7 | 241.8 | 208.9 | 178.0 | 151.8 | 129.6 | 119.9 |
| 22.5° | 335.6 | 333.7 | 324.0 | 302.7 | 273.7 | 240.8 | 205.0 | 171.2 | 143.1 | 120.9 | 111.2 |
| 25° | 337.5 | 336.6 | 325.0 | 301.8 | 270.8 | 236.0 | 199.2 | 164.4 | 134.4 | 112.2 | 102.5 |
| 26° | 337.5 | 336.6 | 325.0 | 300.8 | 268.9 | 233.1 | 196.3 | 161.5 | 131.5 | 108.3 | 99.6 |
| 27.5° | 336.6 | 335.6 | 323.0 | 297.9 | 265.0 | 228.3 | 190.5 | 155.7 | 125.7 | 103.5 | 93.8 |
| 30° | 330.8 | 328.8 | 316.3 | 291.1 | 256.3 | 218.6 | 180.9 | 147.0 | 117.0 | 94.8 | 86.1 |
| 32.5° | 318.2 | 316.3 | 302.7 | 279.5 | 246.6 | 207.9 | 170.2 | 137.3 | 108.3 | 86.1 | 78.3 |
| 35° | 302.7 | 300.8 | 287.2 | 265.0 | 233.1 | 200.2 | 158.6 | 126.7 | 98.7 | 79.3 | 71.6 |
| 37.5° | 283.4 | 280.5 | 268.9 | 245.7 | 216.6 | 191.5 | 148.9 | 116.1 | 89.9 | 71.6 | 64.8 |
| 40° | 259.2 | 258.2 | 247.6 | 226.3 | 197.3 | 176.0 | 143.1 | 116.1 | 82.2 | 64.8 | 59.0 |
| 42.5° | 236.0 | 234.1 | 224.4 | 206.0 | 179.9 | 153.8 | 125.7 | 111.2 | 76.4 | 58.0 | 53.2 |
| 45° | 211.8 | 209.9 | 201.2 | 185.7 | 161.5 | 135.4 | 135.4 | 95.7 | 65.8 | 53.2 | 48.4 |
| 47.5° | 185.7 | 183.8 | 177.0 | 165.4 | 144.1 | 120.9 | 98.7 | 78.3 | 60.0 | 47.4 | 43.5 |
| 50° | 159.6 | 160.5 | 154.7 | 143.1 | 126.7 | 105.4 | 85.1 | 65.8 | 51.3 | 42.6 | 38.7 |
| 52.5° | 133.5 | 132.5 | 128.6 | 120.9 | 109.3 | 90.9 | 72.5 | 56.1 | 44.5 | 37.7 | 35.8 |
| 55° | 107.4 | 108.3 | 106.4 | 101.6 | 91.9 | 78.3 | 60.9 | 48.4 | 39.7 | 33.9 | 31.9 |
| 57.5° | 89.0 | 89.9 | 86.1 | 83.2 | 75.4 | 63.8 | 50.3 | 40.6 | 33.9 | 30.0 | 28.0 |
| 60° | 73.5 | 74.5 | 71.6 | 67.7 | 61.9 | 51.3 | 40.6 | 33.9 | 30.0 | 27.1 | 25.1 |
| 62.5° | 60.0 | 59.0 | 57.1 | 53.2 | 48.4 | 40.6 | 32.9 | 28.0 | 25.1 | 23.2 | 22.2 |
| 65° | 46.4 | 46.4 | 44.5 | 41.6 | 37.7 | 31.9 | 26.1 | 23.2 | 21.3 | 19.3 | 18.4 |
| 67.5° | 34.8 | 34.8 | 32.9 | 30.9 | 27.1 | 23.2 | 20.3 | 18.4 | 17.4 | 15.5 | 14.5 |
| 70° | 24.2 | 24.2 | 23.2 | 22.2 | 19.3 | 16.4 | 15.5 | 13.5 | 12.6 | 11.6 | 10.6 |
| 72.5° | 15.5 | 15.5 | 15.5 | 13.5 | 12.6 | 10.6 | 10.6 | 9.7 | 8.7 | 7.7 | 7.7 |
| 75° | 7.7 | 8.7 | 7.7 | 7.7 | 6.8 | 6.8 | 5.8 | 5.8 | 4.8 | 4.8 | 3.9 |
| 77.5° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 80° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 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 | 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: P#
 CATALOG NUMBER: P3ART09R709030D2WDE010 E3LSWW1LI

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 171.2 | 171.2 | 171.2 | 171.2 | 171.2 | 171.2 | 171.2 | 171.2 | 171.2 | 171.2 |
| 2.5° | 168.3 | 165.4 | 163.5 | 160.5 | 158.6 | 156.7 | 155.7 | 154.7 | 154.7 | 154.7 |
| 5° | 163.5 | 158.6 | 153.8 | 148.9 | 146.0 | 143.1 | 140.2 | 139.3 | 138.3 | 138.3 |
| 7.5° | 157.6 | 149.9 | 143.1 | 137.3 | 132.5 | 129.6 | 126.7 | 124.8 | 123.8 | 123.8 |
| 10° | 149.9 | 140.2 | 132.5 | 124.8 | 119.9 | 116.1 | 114.1 | 111.2 | 111.2 | 110.3 |
| 12.5° | 141.2 | 129.6 | 120.9 | 114.1 | 109.3 | 104.5 | 101.6 | 99.6 | 98.7 | 98.7 |
| 15° | 131.5 | 119.9 | 110.3 | 102.5 | 97.7 | 92.8 | 89.9 | 88.0 | 87.0 | 87.0 |
| 17.5° | 121.9 | 109.3 | 99.6 | 91.9 | 87.0 | 82.2 | 79.3 | 77.4 | 77.4 | 76.4 |
| 20° | 112.2 | 99.6 | 89.9 | 82.2 | 77.4 | 73.5 | 70.6 | 68.7 | 67.7 | 68.7 |
| 22.5° | 103.5 | 90.9 | 81.2 | 74.5 | 68.7 | 64.8 | 61.9 | 60.9 | 60.0 | 60.0 |
| 25° | 93.8 | 82.2 | 73.5 | 66.7 | 61.9 | 58.0 | 55.1 | 54.2 | 53.2 | 52.2 |
| 26° | 90.9 | 79.3 | 70.6 | 63.8 | 59.0 | 55.1 | 53.2 | 51.3 | 50.3 | 50.3 |
| 27.5° | 87.0 | 74.5 | 66.7 | 60.0 | 55.1 | 52.2 | 49.3 | 48.4 | 47.4 | 47.4 |
| 30° | 78.3 | 67.7 | 60.0 | 54.2 | 50.3 | 46.4 | 44.5 | 43.5 | 42.6 | 42.6 |
| 32.5° | 71.6 | 60.9 | 54.2 | 49.3 | 45.5 | 42.6 | 40.6 | 38.7 | 38.7 | 38.7 |
| 35° | 64.8 | 55.1 | 49.3 | 44.5 | 40.6 | 37.7 | 36.8 | 35.8 | 34.8 | 34.8 |
| 37.5° | 59.0 | 50.3 | 44.5 | 40.6 | 37.7 | 34.8 | 32.9 | 31.9 | 31.9 | 31.9 |
| 40° | 53.2 | 46.4 | 40.6 | 36.8 | 33.9 | 31.9 | 30.0 | 29.0 | 29.0 | 29.0 |
| 42.5° | 48.4 | 41.6 | 37.7 | 33.9 | 30.9 | 29.0 | 28.0 | 27.1 | 26.1 | 26.1 |
| 45° | 44.5 | 38.7 | 33.9 | 30.9 | 29.0 | 27.1 | 25.1 | 24.2 | 24.2 | 24.2 |
| 47.5° | 39.7 | 35.8 | 30.9 | 28.0 | 26.1 | 24.2 | 23.2 | 22.2 | 22.2 | 22.2 |
| 50° | 36.8 | 32.9 | 29.0 | 26.1 | 24.2 | 22.2 | 21.3 | 20.3 | 20.3 | 20.3 |
| 52.5° | 32.9 | 30.0 | 27.1 | 24.2 | 22.2 | 20.3 | 19.3 | 18.4 | 18.4 | 18.4 |
| 55° | 30.0 | 27.1 | 24.2 | 22.2 | 20.3 | 18.4 | 17.4 | 16.4 | 16.4 | 16.4 |
| 57.5° | 27.1 | 24.2 | 22.2 | 20.3 | 18.4 | 17.4 | 15.5 | 15.5 | 14.5 | 14.5 |
| 60° | 24.2 | 21.3 | 19.3 | 18.4 | 16.4 | 15.5 | 13.5 | 12.6 | 12.6 | 12.6 |
| 62.5° | 20.3 | 19.3 | 17.4 | 15.5 | 13.5 | 12.6 | 11.6 | 10.6 | 10.6 | 10.6 |
| 65° | 17.4 | 16.4 | 14.5 | 12.6 | 11.6 | 10.6 | 9.7 | 8.7 | 8.7 | 8.7 |
| 67.5° | 14.5 | 12.6 | 11.6 | 10.6 | 9.7 | 8.7 | 7.7 | 6.8 | 5.8 | 6.8 |
| 70° | 10.6 | 9.7 | 8.7 | 7.7 | 6.8 | 5.8 | 4.8 | 4.8 | 3.9 | 3.9 |
| 72.5° | 6.8 | 5.8 | 5.8 | 4.8 | 3.9 | 3.9 | 2.9 | 2.9 | 1.9 | 1.9 |
| 75° | 3.9 | 3.9 | 2.9 | 2.9 | 1.9 | 1.9 | 1.0 | 1.0 | 1.0 | 1.0 |
| 77.5° | 1.9 | 1.0 | 1.0 | 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)