

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: P1446700

Luminaire Tested: P3ART09R709735DE010 E3LSWW1WH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446700
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: P3ART09R709735DE010 E3LSWW1WH
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3LSWW1WH TRIM
Light Source: -
Ballast/Driver: -

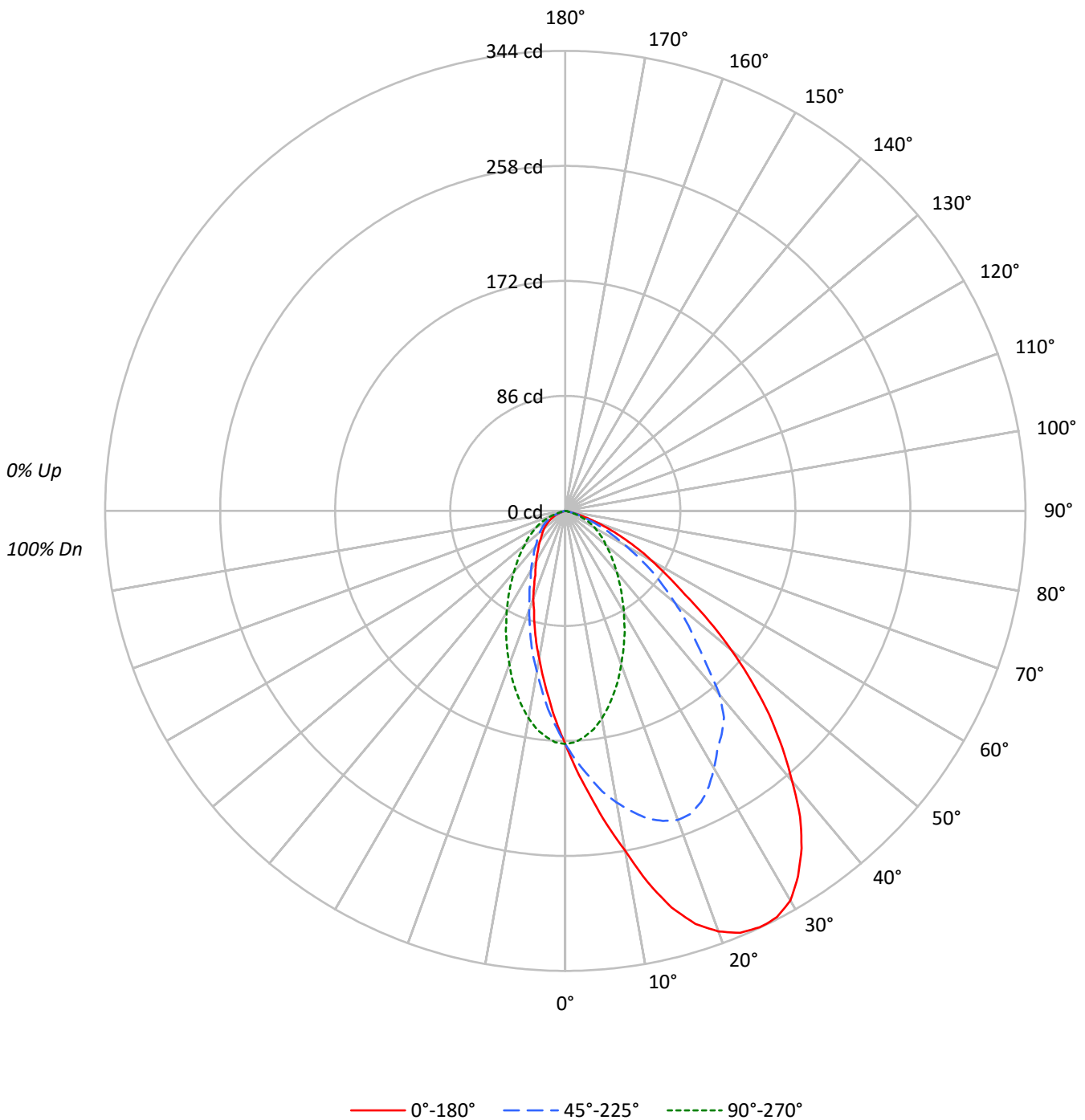
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 347.0 lumens
Efficiency: N/A
Efficacy: 31.3 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): 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: P1446700
CATALOG NUMBER: P3ART09R709735DE010 E3LSWW1WH

Luminous Intensity Polar Plot





TEST NUMBER: P1446700
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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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 89 | 89 | 89 | 89 |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 85 | 81 | 85 | 82 | 80 | 78 | 78 | 78 | 78 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 | 68 | 68 | 68 |
| 4 | 88 | 78 | 70 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | 60 | 60 | 60 |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 62 | 57 | 68 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 53 | 53 | 53 | 53 |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 51 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 47 | 47 | 47 | 47 |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | 43 | 43 | 43 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 | 39 | 39 | 39 |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | 35 | 35 | 35 |
| 10 | 59 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | 32 | 32 | 32 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 38199 | 38199 | 38199 | 38199 | 38199 |
| 5° | 47017 | 43760 | 37266 | 32710 | 30971 |
| 10° | 57425 | 49298 | 35069 | 27165 | 24983 |
| 15° | 69717 | 54075 | 31941 | 22565 | 20114 |
| 20° | 78080 | 57405 | 28469 | 18365 | 16311 |
| 25° | 83110 | 58092 | 25235 | 15243 | 12848 |
| 30° | 85228 | 56312 | 22181 | 12964 | 10964 |
| 35° | 82449 | 54529 | 19488 | 11056 | 9476 |
| 40° | 75513 | 51267 | 17175 | 9847 | 8444 |
| 45° | 66829 | 42733 | 15257 | 9148 | 7629 |
| 50° | 55401 | 36604 | 13441 | 8392 | 7062 |
| 55° | 41748 | 30470 | 12425 | 7914 | 6384 |
| 60° | 32804 | 22893 | 11227 | 7324 | 5614 |
| 65° | 24490 | 16863 | 9703 | 6123 | 4618 |
| 70° | 15772 | 10707 | 6924 | 4424 | 2500 |
| 75° | 6693 | 5846 | 3304 | 1694 | 847 |
| 80° | 1263 | 1263 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 66829 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 16.5 | 4.8 |
| 10°-20° | 47.6 | 13.7 |
| 20°-30° | 69.5 | 20.0 |
| 30°-40° | 75.8 | 21.8 |
| 40°-50° | 65.6 | 18.9 |
| 50°-60° | 43.9 | 12.7 |
| 60°-70° | 22.7 | 6.5 |
| 70°-80° | 5.4 | 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° | 133.6 | 38.5 |
| 0°-40° | 209.4 | 60.3 |
| 0°-60° | 318.9 | 91.9 |
| 0°-90° | 347.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 347.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 174 | 174 | 174 | 174 | 174 | |
| 5° | 214 | 199 | 169 | 149 | 141 | 22 |
| 15° | 307 | 238 | 141 | 99 | 89 | 87 |
| 25° | 344 | 240 | 104 | 63 | 53 | 158 |
| 35° | 308 | 204 | 73 | 41 | 35 | 191 |
| 45° | 216 | 138 | 49 | 30 | 25 | 165 |
| 55° | 109 | 80 | 32 | 21 | 17 | 101 |
| 65° | 47 | 32 | 19 | 12 | 9 | 48 |
| 75° | 8 | 7 | 4 | 2 | 1 | 10 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446700
 CATALOG NUMBER: P3ART09R709735DE010 E3LSWW1WH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 174.2 | 174.2 | 174.2 | 174.2 | 174.2 | 174.2 | 174.2 | 174.2 | 174.2 | 174.2 | 174.2 |
| 2.5° | 193.9 | 192.9 | 192.9 | 190.9 | 189.0 | 187.0 | 184.0 | 181.1 | 178.1 | 175.2 | 173.2 |
| 5° | 213.6 | 214.6 | 213.6 | 209.6 | 204.7 | 198.8 | 192.9 | 186.0 | 179.1 | 173.2 | 169.3 |
| 7.5° | 236.2 | 236.2 | 233.3 | 228.3 | 221.4 | 211.6 | 201.8 | 189.9 | 179.1 | 169.3 | 164.4 |
| 10° | 257.9 | 257.9 | 252.9 | 245.1 | 234.2 | 221.4 | 207.7 | 191.9 | 177.2 | 163.4 | 157.5 |
| 12.5° | 284.4 | 283.4 | 277.5 | 264.7 | 249.0 | 230.3 | 211.6 | 191.9 | 174.2 | 157.5 | 149.6 |
| 15° | 307.1 | 306.1 | 298.2 | 282.5 | 261.8 | 238.2 | 212.6 | 189.9 | 168.3 | 149.6 | 140.7 |
| 17.5° | 323.8 | 321.8 | 313.0 | 296.2 | 272.6 | 243.1 | 213.6 | 186.0 | 161.4 | 140.7 | 131.9 |
| 20° | 334.6 | 333.6 | 323.8 | 304.1 | 278.5 | 246.0 | 212.6 | 181.1 | 154.5 | 131.9 | 122.0 |
| 22.5° | 341.5 | 339.5 | 329.7 | 308.0 | 278.5 | 245.1 | 208.6 | 174.2 | 145.7 | 123.0 | 113.2 |
| 25° | 343.5 | 342.5 | 330.7 | 307.1 | 275.6 | 240.1 | 202.7 | 167.3 | 136.8 | 114.2 | 104.3 |
| 26° | 343.5 | 342.5 | 330.7 | 306.1 | 273.6 | 237.2 | 199.8 | 164.4 | 133.8 | 110.2 | 101.4 |
| 27.5° | 342.5 | 341.5 | 328.7 | 303.1 | 269.7 | 232.3 | 193.9 | 158.5 | 127.9 | 105.3 | 95.5 |
| 30° | 336.6 | 334.6 | 321.8 | 296.2 | 260.8 | 222.4 | 184.0 | 149.6 | 119.1 | 96.4 | 87.6 |
| 32.5° | 323.8 | 321.8 | 308.0 | 284.4 | 251.0 | 211.6 | 173.2 | 139.8 | 110.2 | 87.6 | 79.7 |
| 35° | 308.0 | 306.1 | 292.3 | 269.7 | 237.2 | 203.7 | 161.4 | 128.9 | 100.4 | 80.7 | 72.8 |
| 37.5° | 288.4 | 285.4 | 273.6 | 250.0 | 220.5 | 194.9 | 151.6 | 118.1 | 91.5 | 72.8 | 65.9 |
| 40° | 263.8 | 262.8 | 252.0 | 230.3 | 200.8 | 179.1 | 145.7 | 118.1 | 83.7 | 65.9 | 60.0 |
| 42.5° | 240.1 | 238.2 | 228.3 | 209.6 | 183.1 | 156.5 | 127.9 | 113.2 | 77.8 | 59.1 | 54.1 |
| 45° | 215.5 | 213.6 | 204.7 | 189.0 | 164.4 | 137.8 | 137.8 | 97.4 | 66.9 | 54.1 | 49.2 |
| 47.5° | 189.0 | 187.0 | 180.1 | 168.3 | 146.6 | 123.0 | 100.4 | 79.7 | 61.0 | 48.2 | 44.3 |
| 50° | 162.4 | 163.4 | 157.5 | 145.7 | 128.9 | 107.3 | 86.6 | 66.9 | 52.2 | 43.3 | 39.4 |
| 52.5° | 135.8 | 134.8 | 130.9 | 123.0 | 111.2 | 92.5 | 73.8 | 57.1 | 45.3 | 38.4 | 36.4 |
| 55° | 109.2 | 110.2 | 108.3 | 103.3 | 93.5 | 79.7 | 62.0 | 49.2 | 40.4 | 34.4 | 32.5 |
| 57.5° | 90.5 | 91.5 | 87.6 | 84.6 | 76.8 | 65.0 | 51.2 | 41.3 | 34.4 | 30.5 | 28.5 |
| 60° | 74.8 | 75.8 | 72.8 | 68.9 | 63.0 | 52.2 | 41.3 | 34.4 | 30.5 | 27.6 | 25.6 |
| 62.5° | 61.0 | 60.0 | 58.1 | 54.1 | 49.2 | 41.3 | 33.5 | 28.5 | 25.6 | 23.6 | 22.6 |
| 65° | 47.2 | 47.2 | 45.3 | 42.3 | 38.4 | 32.5 | 26.6 | 23.6 | 21.7 | 19.7 | 18.7 |
| 67.5° | 35.4 | 35.4 | 33.5 | 31.5 | 27.6 | 23.6 | 20.7 | 18.7 | 17.7 | 15.7 | 14.8 |
| 70° | 24.6 | 24.6 | 23.6 | 22.6 | 19.7 | 16.7 | 15.7 | 13.8 | 12.8 | 11.8 | 10.8 |
| 72.5° | 15.7 | 15.7 | 15.7 | 13.8 | 12.8 | 10.8 | 10.8 | 9.8 | 8.9 | 7.9 | 7.9 |
| 75° | 7.9 | 8.9 | 7.9 | 7.9 | 6.9 | 6.9 | 5.9 | 5.9 | 4.9 | 4.9 | 3.9 |
| 77.5° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 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: P1446700
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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 174.2 | 174.2 | 174.2 | 174.2 | 174.2 | 174.2 | 174.2 | 174.2 | 174.2 | 174.2 |
| 2.5° | 171.2 | 168.3 | 166.3 | 163.4 | 161.4 | 159.4 | 158.5 | 157.5 | 157.5 | 157.5 |
| 5° | 166.3 | 161.4 | 156.5 | 151.6 | 148.6 | 145.7 | 142.7 | 141.7 | 140.7 | 140.7 |
| 7.5° | 160.4 | 152.5 | 145.7 | 139.8 | 134.8 | 131.9 | 128.9 | 127.0 | 126.0 | 126.0 |
| 10° | 152.5 | 142.7 | 134.8 | 127.0 | 122.0 | 118.1 | 116.1 | 113.2 | 113.2 | 112.2 |
| 12.5° | 143.7 | 131.9 | 123.0 | 116.1 | 111.2 | 106.3 | 103.3 | 101.4 | 100.4 | 100.4 |
| 15° | 133.8 | 122.0 | 112.2 | 104.3 | 99.4 | 94.5 | 91.5 | 89.6 | 88.6 | 88.6 |
| 17.5° | 124.0 | 111.2 | 101.4 | 93.5 | 88.6 | 83.7 | 80.7 | 78.7 | 78.7 | 77.8 |
| 20° | 114.2 | 101.4 | 91.5 | 83.7 | 78.7 | 74.8 | 71.8 | 69.9 | 68.9 | 69.9 |
| 22.5° | 105.3 | 92.5 | 82.7 | 75.8 | 69.9 | 65.9 | 63.0 | 62.0 | 61.0 | 61.0 |
| 25° | 95.5 | 83.7 | 74.8 | 67.9 | 63.0 | 59.1 | 56.1 | 55.1 | 54.1 | 53.1 |
| 26° | 92.5 | 80.7 | 71.8 | 65.0 | 60.0 | 56.1 | 54.1 | 52.2 | 51.2 | 51.2 |
| 27.5° | 88.6 | 75.8 | 67.9 | 61.0 | 56.1 | 53.1 | 50.2 | 49.2 | 48.2 | 48.2 |
| 30° | 79.7 | 68.9 | 61.0 | 55.1 | 51.2 | 47.2 | 45.3 | 44.3 | 43.3 | 43.3 |
| 32.5° | 72.8 | 62.0 | 55.1 | 50.2 | 46.3 | 43.3 | 41.3 | 39.4 | 39.4 | 39.4 |
| 35° | 65.9 | 56.1 | 50.2 | 45.3 | 41.3 | 38.4 | 37.4 | 36.4 | 35.4 | 35.4 |
| 37.5° | 60.0 | 51.2 | 45.3 | 41.3 | 38.4 | 35.4 | 33.5 | 32.5 | 32.5 | 32.5 |
| 40° | 54.1 | 47.2 | 41.3 | 37.4 | 34.4 | 32.5 | 30.5 | 29.5 | 29.5 | 29.5 |
| 42.5° | 49.2 | 42.3 | 38.4 | 34.4 | 31.5 | 29.5 | 28.5 | 27.6 | 26.6 | 26.6 |
| 45° | 45.3 | 39.4 | 34.4 | 31.5 | 29.5 | 27.6 | 25.6 | 24.6 | 24.6 | 24.6 |
| 47.5° | 40.4 | 36.4 | 31.5 | 28.5 | 26.6 | 24.6 | 23.6 | 22.6 | 22.6 | 22.6 |
| 50° | 37.4 | 33.5 | 29.5 | 26.6 | 24.6 | 22.6 | 21.7 | 20.7 | 20.7 | 20.7 |
| 52.5° | 33.5 | 30.5 | 27.6 | 24.6 | 22.6 | 20.7 | 19.7 | 18.7 | 18.7 | 18.7 |
| 55° | 30.5 | 27.6 | 24.6 | 22.6 | 20.7 | 18.7 | 17.7 | 16.7 | 16.7 | 16.7 |
| 57.5° | 27.6 | 24.6 | 22.6 | 20.7 | 18.7 | 17.7 | 15.7 | 15.7 | 14.8 | 14.8 |
| 60° | 24.6 | 21.7 | 19.7 | 18.7 | 16.7 | 15.7 | 13.8 | 12.8 | 12.8 | 12.8 |
| 62.5° | 20.7 | 19.7 | 17.7 | 15.7 | 13.8 | 12.8 | 11.8 | 10.8 | 10.8 | 10.8 |
| 65° | 17.7 | 16.7 | 14.8 | 12.8 | 11.8 | 10.8 | 9.8 | 8.9 | 8.9 | 8.9 |
| 67.5° | 14.8 | 12.8 | 11.8 | 10.8 | 9.8 | 8.9 | 7.9 | 6.9 | 5.9 | 6.9 |
| 70° | 10.8 | 9.8 | 8.9 | 7.9 | 6.9 | 5.9 | 4.9 | 4.9 | 3.9 | 3.9 |
| 72.5° | 6.9 | 5.9 | 5.9 | 4.9 | 3.9 | 3.9 | 3.0 | 3.0 | 2.0 | 2.0 |
| 75° | 3.9 | 3.9 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 77.5° | 2.0 | 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)