

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: P3ART09R709840DE010 E3CLSWW1MB

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: P3ART09R709840DE010 E3CLSWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , E3CLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

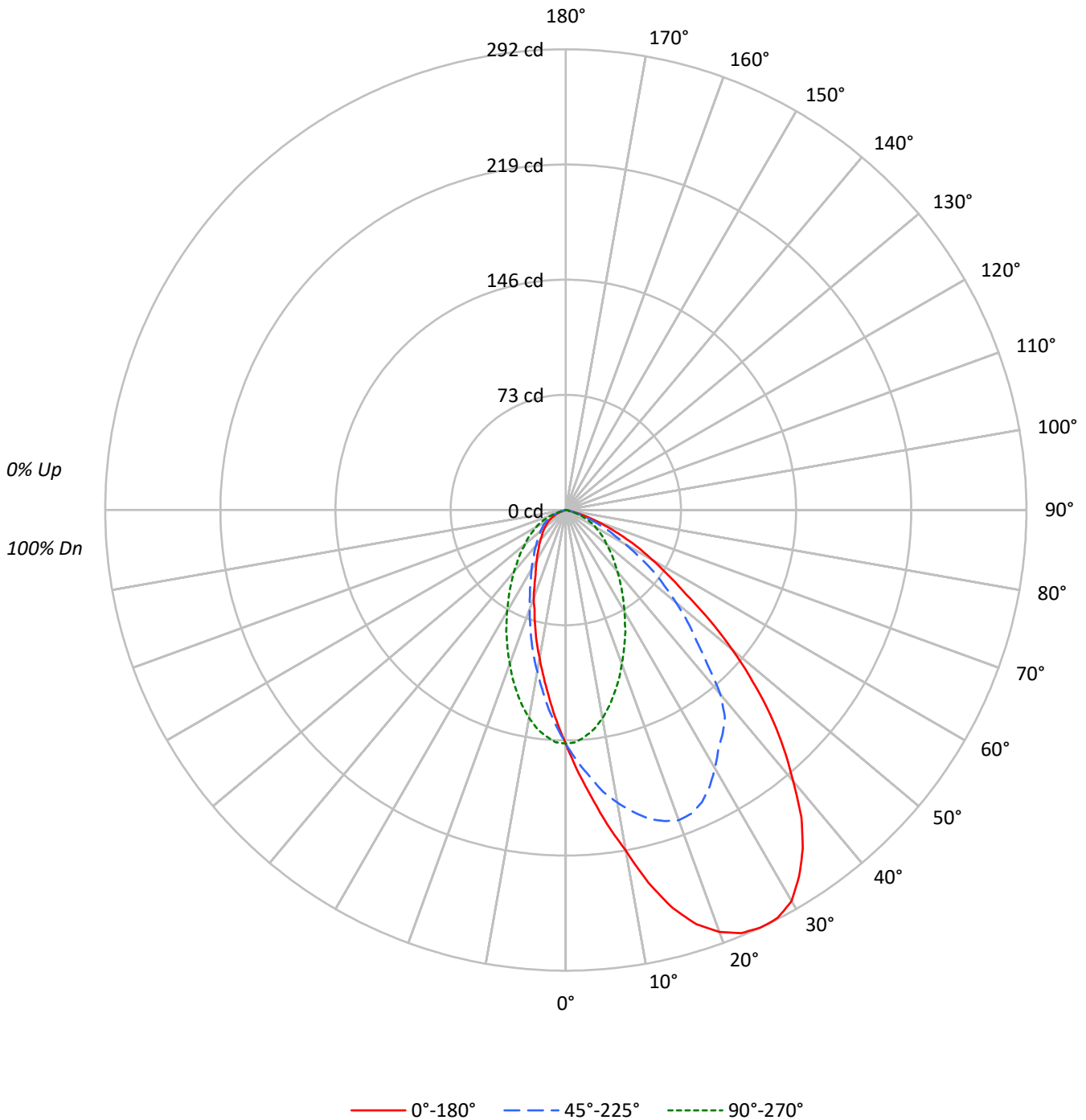
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 295.0 lumens
Efficiency: N/A
Efficacy: 26.8 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
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: P3ART09R709840DE010 E3CLSWW1MB

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART09R709840DE010 E3CLSWW1MB

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° | 32475 | 32475 | 32475 | 32475 | 32475 |
| 5° | 39973 | 37200 | 31675 | 27801 | 26326 |
| 10° | 48808 | 41928 | 29815 | 23112 | 21242 |
| 15° | 59251 | 45971 | 27151 | 19183 | 17094 |
| 20° | 66389 | 48818 | 24222 | 15611 | 13861 |
| 25° | 70649 | 49406 | 21461 | 12944 | 10936 |
| 30° | 72467 | 47881 | 18864 | 11014 | 9318 |
| 35° | 70109 | 46364 | 16570 | 9396 | 8058 |
| 40° | 64177 | 43596 | 14599 | 8387 | 7185 |
| 45° | 56812 | 36314 | 12963 | 7784 | 6481 |
| 50° | 47111 | 31112 | 11428 | 7130 | 6004 |
| 55° | 35516 | 25920 | 10552 | 6729 | 5429 |
| 60° | 27893 | 19428 | 9561 | 6228 | 4780 |
| 65° | 20858 | 14321 | 8250 | 5189 | 3891 |
| 70° | 13400 | 9104 | 5898 | 3783 | 2116 |
| 75° | 5676 | 4999 | 2796 | 1440 | 678 |
| 80° | 1010 | 1010 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 56812 cd/sqm



TEST NUMBER: P#
 CATALOG NUMBER: P3ART09R709840DE010 E3CLSWW1MB

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 14.1 | 4.8 |
| 10°-20° | 40.4 | 13.7 |
| 20°-30° | 59.1 | 20.0 |
| 30°-40° | 64.4 | 21.8 |
| 40°-50° | 55.7 | 18.9 |
| 50°-60° | 37.3 | 12.7 |
| 60°-70° | 19.3 | 6.5 |
| 70°-80° | 4.6 | 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° | 113.6 | 38.5 |
| 0°-40° | 178.0 | 60.3 |
| 0°-60° | 271.1 | 91.9 |
| 0°-90° | 295.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 295.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 148 | 148 | 148 | 148 | 148 | |
| 5° | 182 | 169 | 144 | 126 | 120 | 19 |
| 15° | 261 | 202 | 120 | 84 | 75 | 74 |
| 25° | 292 | 204 | 89 | 54 | 45 | 134 |
| 35° | 262 | 173 | 62 | 35 | 30 | 162 |
| 45° | 183 | 117 | 42 | 25 | 21 | 140 |
| 55° | 93 | 68 | 28 | 18 | 14 | 86 |
| 65° | 40 | 28 | 16 | 10 | 8 | 41 |
| 75° | 7 | 6 | 3 | 2 | 1 | 9 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART09R709840DE010 E3CLSWW1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 148.1 | 148.1 | 148.1 | 148.1 | 148.1 | 148.1 | 148.1 | 148.1 | 148.1 | 148.1 | 148.1 |
| 2.5° | 164.8 | 164.0 | 164.0 | 162.3 | 160.6 | 159.0 | 156.5 | 154.0 | 151.4 | 148.9 | 147.3 |
| 5° | 181.6 | 182.4 | 181.6 | 178.2 | 174.0 | 169.0 | 164.0 | 158.1 | 152.3 | 147.3 | 143.9 |
| 7.5° | 200.8 | 200.8 | 198.3 | 194.1 | 188.3 | 179.9 | 171.5 | 161.5 | 152.3 | 143.9 | 139.7 |
| 10° | 219.2 | 219.2 | 215.0 | 208.3 | 199.1 | 188.3 | 176.5 | 163.2 | 150.6 | 138.9 | 133.9 |
| 12.5° | 241.8 | 241.0 | 235.9 | 225.1 | 211.7 | 195.8 | 179.9 | 163.2 | 148.1 | 133.9 | 127.2 |
| 15° | 261.0 | 260.2 | 253.5 | 240.1 | 222.6 | 202.5 | 180.7 | 161.5 | 143.1 | 127.2 | 119.6 |
| 17.5° | 275.3 | 273.6 | 266.1 | 251.8 | 231.8 | 206.7 | 181.6 | 158.1 | 137.2 | 119.6 | 112.1 |
| 20° | 284.5 | 283.6 | 275.3 | 258.5 | 236.8 | 209.2 | 180.7 | 154.0 | 131.4 | 112.1 | 103.8 |
| 22.5° | 290.3 | 288.7 | 280.3 | 261.9 | 236.8 | 208.3 | 177.4 | 148.1 | 123.8 | 104.6 | 96.2 |
| 25° | 292.0 | 291.2 | 281.1 | 261.0 | 234.3 | 204.2 | 172.4 | 142.2 | 116.3 | 97.1 | 88.7 |
| 26° | 292.0 | 291.2 | 281.1 | 260.2 | 232.6 | 201.6 | 169.8 | 139.7 | 113.8 | 93.7 | 86.2 |
| 27.5° | 291.2 | 290.3 | 279.5 | 257.7 | 229.3 | 197.5 | 164.8 | 134.7 | 108.8 | 89.5 | 81.2 |
| 30° | 286.2 | 284.5 | 273.6 | 251.8 | 221.7 | 189.1 | 156.5 | 127.2 | 101.2 | 82.0 | 74.5 |
| 32.5° | 275.3 | 273.6 | 261.9 | 241.8 | 213.4 | 179.9 | 147.3 | 118.8 | 93.7 | 74.5 | 67.8 |
| 35° | 261.9 | 260.2 | 248.5 | 229.3 | 201.6 | 173.2 | 137.2 | 109.6 | 85.3 | 68.6 | 61.9 |
| 37.5° | 245.2 | 242.6 | 232.6 | 212.5 | 187.4 | 165.7 | 128.9 | 100.4 | 77.8 | 61.9 | 56.1 |
| 40° | 224.2 | 223.4 | 214.2 | 195.8 | 170.7 | 152.3 | 123.8 | 100.4 | 71.1 | 56.1 | 51.0 |
| 42.5° | 204.2 | 202.5 | 194.1 | 178.2 | 155.6 | 133.0 | 108.8 | 96.2 | 66.1 | 50.2 | 46.0 |
| 45° | 183.2 | 181.6 | 174.0 | 160.6 | 139.7 | 117.1 | 117.1 | 82.8 | 56.9 | 46.0 | 41.8 |
| 47.5° | 160.6 | 159.0 | 153.1 | 143.1 | 124.7 | 104.6 | 85.3 | 67.8 | 51.9 | 41.0 | 37.7 |
| 50° | 138.1 | 138.9 | 133.9 | 123.8 | 109.6 | 91.2 | 73.6 | 56.9 | 44.3 | 36.8 | 33.5 |
| 52.5° | 115.5 | 114.6 | 111.3 | 104.6 | 94.5 | 78.6 | 62.8 | 48.5 | 38.5 | 32.6 | 31.0 |
| 55° | 92.9 | 93.7 | 92.0 | 87.9 | 79.5 | 67.8 | 52.7 | 41.8 | 34.3 | 29.3 | 27.6 |
| 57.5° | 77.0 | 77.8 | 74.5 | 72.0 | 65.3 | 55.2 | 43.5 | 35.1 | 29.3 | 25.9 | 24.3 |
| 60° | 63.6 | 64.4 | 61.9 | 58.6 | 53.5 | 44.3 | 35.1 | 29.3 | 25.9 | 23.4 | 21.8 |
| 62.5° | 51.9 | 51.0 | 49.4 | 46.0 | 41.8 | 35.1 | 28.4 | 24.3 | 21.8 | 20.1 | 19.2 |
| 65° | 40.2 | 40.2 | 38.5 | 36.0 | 32.6 | 27.6 | 22.6 | 20.1 | 18.4 | 16.7 | 15.9 |
| 67.5° | 30.1 | 30.1 | 28.4 | 26.8 | 23.4 | 20.1 | 17.6 | 15.9 | 15.1 | 13.4 | 12.6 |
| 70° | 20.9 | 20.9 | 20.1 | 19.2 | 16.7 | 14.2 | 13.4 | 11.7 | 10.9 | 10.0 | 9.2 |
| 72.5° | 13.4 | 13.4 | 13.4 | 11.7 | 10.9 | 9.2 | 9.2 | 8.4 | 7.5 | 6.7 | 6.7 |
| 75° | 6.7 | 7.5 | 6.7 | 6.7 | 5.9 | 5.9 | 5.0 | 5.0 | 4.2 | 4.2 | 3.3 |
| 77.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 80° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 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: P3ART09R709840DE010 E3CLSWW1MB

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 148.1 | 148.1 | 148.1 | 148.1 | 148.1 | 148.1 | 148.1 | 148.1 | 148.1 | 148.1 |
| 2.5° | 145.6 | 143.1 | 141.4 | 138.9 | 137.2 | 135.5 | 134.7 | 133.9 | 133.9 | 133.9 |
| 5° | 141.4 | 137.2 | 133.0 | 128.9 | 126.3 | 123.8 | 121.3 | 120.5 | 119.6 | 119.6 |
| 7.5° | 136.4 | 129.7 | 123.8 | 118.8 | 114.6 | 112.1 | 109.6 | 107.9 | 107.1 | 107.1 |
| 10° | 129.7 | 121.3 | 114.6 | 107.9 | 103.8 | 100.4 | 98.7 | 96.2 | 96.2 | 95.4 |
| 12.5° | 122.2 | 112.1 | 104.6 | 98.7 | 94.5 | 90.4 | 87.9 | 86.2 | 85.3 | 85.3 |
| 15° | 113.8 | 103.8 | 95.4 | 88.7 | 84.5 | 80.3 | 77.8 | 76.1 | 75.3 | 75.3 |
| 17.5° | 105.4 | 94.5 | 86.2 | 79.5 | 75.3 | 71.1 | 68.6 | 66.9 | 66.9 | 66.1 |
| 20° | 97.1 | 86.2 | 77.8 | 71.1 | 66.9 | 63.6 | 61.1 | 59.4 | 58.6 | 59.4 |
| 22.5° | 89.5 | 78.6 | 70.3 | 64.4 | 59.4 | 56.1 | 53.5 | 52.7 | 51.9 | 51.9 |
| 25° | 81.2 | 71.1 | 63.6 | 57.7 | 53.5 | 50.2 | 47.7 | 46.9 | 46.0 | 45.2 |
| 26° | 78.6 | 68.6 | 61.1 | 55.2 | 51.0 | 47.7 | 46.0 | 44.3 | 43.5 | 43.5 |
| 27.5° | 75.3 | 64.4 | 57.7 | 51.9 | 47.7 | 45.2 | 42.7 | 41.8 | 41.0 | 41.0 |
| 30° | 67.8 | 58.6 | 51.9 | 46.9 | 43.5 | 40.2 | 38.5 | 37.7 | 36.8 | 36.8 |
| 32.5° | 61.9 | 52.7 | 46.9 | 42.7 | 39.3 | 36.8 | 35.1 | 33.5 | 33.5 | 33.5 |
| 35° | 56.1 | 47.7 | 42.7 | 38.5 | 35.1 | 32.6 | 31.8 | 31.0 | 30.1 | 30.1 |
| 37.5° | 51.0 | 43.5 | 38.5 | 35.1 | 32.6 | 30.1 | 28.4 | 27.6 | 27.6 | 27.6 |
| 40° | 46.0 | 40.2 | 35.1 | 31.8 | 29.3 | 27.6 | 25.9 | 25.1 | 25.1 | 25.1 |
| 42.5° | 41.8 | 36.0 | 32.6 | 29.3 | 26.8 | 25.1 | 24.3 | 23.4 | 22.6 | 22.6 |
| 45° | 38.5 | 33.5 | 29.3 | 26.8 | 25.1 | 23.4 | 21.8 | 20.9 | 20.9 | 20.9 |
| 47.5° | 34.3 | 31.0 | 26.8 | 24.3 | 22.6 | 20.9 | 20.1 | 19.2 | 19.2 | 19.2 |
| 50° | 31.8 | 28.4 | 25.1 | 22.6 | 20.9 | 19.2 | 18.4 | 17.6 | 17.6 | 17.6 |
| 52.5° | 28.4 | 25.9 | 23.4 | 20.9 | 19.2 | 17.6 | 16.7 | 15.9 | 15.9 | 15.9 |
| 55° | 25.9 | 23.4 | 20.9 | 19.2 | 17.6 | 15.9 | 15.1 | 14.2 | 14.2 | 14.2 |
| 57.5° | 23.4 | 20.9 | 19.2 | 17.6 | 15.9 | 15.1 | 13.4 | 13.4 | 12.6 | 12.6 |
| 60° | 20.9 | 18.4 | 16.7 | 15.9 | 14.2 | 13.4 | 11.7 | 10.9 | 10.9 | 10.9 |
| 62.5° | 17.6 | 16.7 | 15.1 | 13.4 | 11.7 | 10.9 | 10.0 | 9.2 | 9.2 | 9.2 |
| 65° | 15.1 | 14.2 | 12.6 | 10.9 | 10.0 | 9.2 | 8.4 | 7.5 | 7.5 | 7.5 |
| 67.5° | 12.6 | 10.9 | 10.0 | 9.2 | 8.4 | 7.5 | 6.7 | 5.9 | 5.0 | 5.9 |
| 70° | 9.2 | 8.4 | 7.5 | 6.7 | 5.9 | 5.0 | 4.2 | 4.2 | 3.3 | 3.3 |
| 72.5° | 5.9 | 5.0 | 5.0 | 4.2 | 3.3 | 3.3 | 2.5 | 2.5 | 1.7 | 1.7 |
| 75° | 3.3 | 3.3 | 2.5 | 2.5 | 1.7 | 1.7 | 0.8 | 0.8 | 0.8 | 0.8 |
| 77.5° | 1.7 | 0.8 | 0.8 | 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)