

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: P1299101

Luminaire Tested: P3A13R70W2N902765DE010 E3LSWW1H_6500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R70W2N902765DE010 E3LSWW1H_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 6500K CCT AND, 90CRI ,
E3LSWW1H TRIM
Light Source: -
Ballast/Driver: -

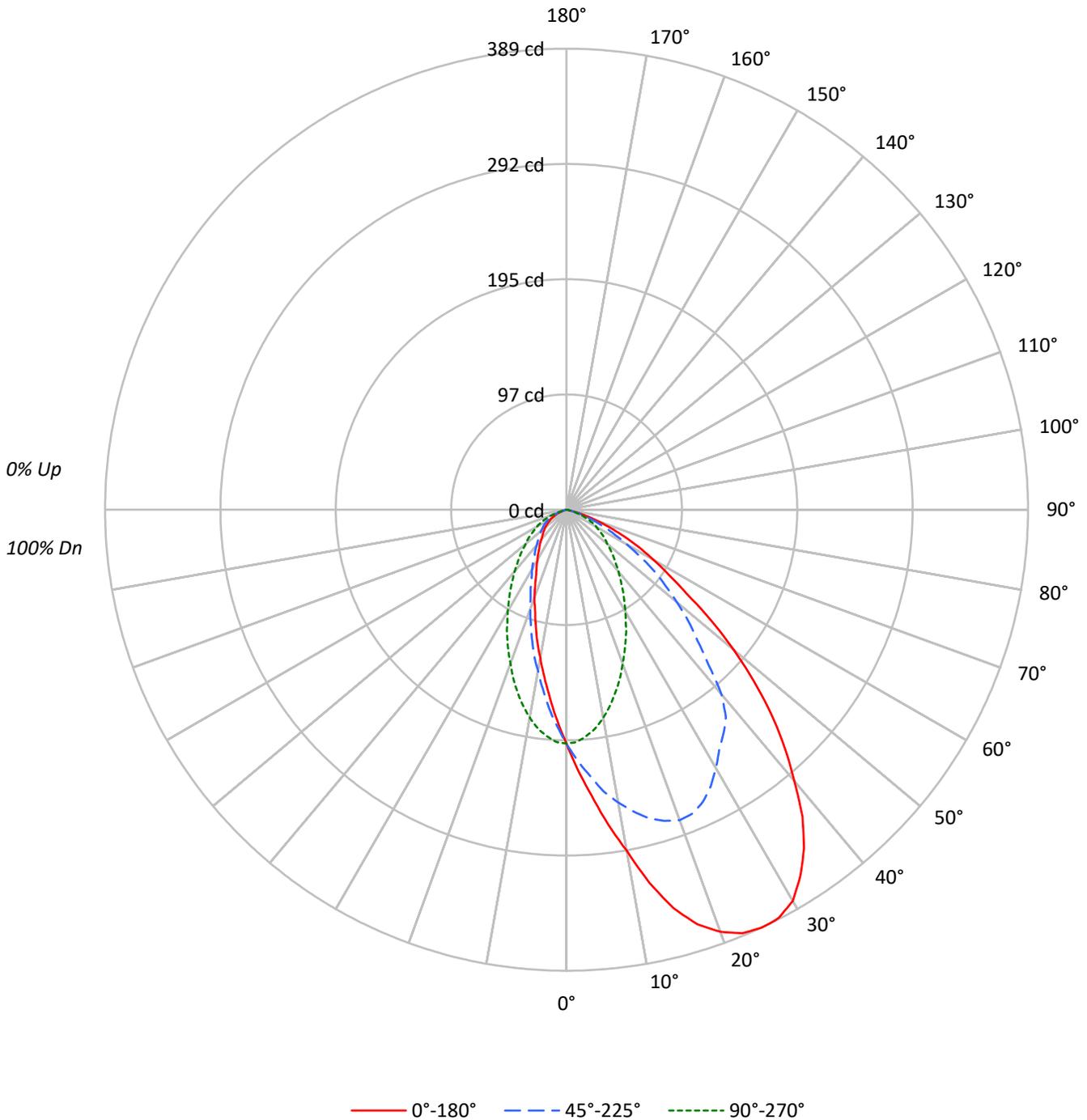
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 393.0 lumens
Efficiency: N/A
Efficacy: 32.0 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): 12.3
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: P1299101
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Luminous Intensity Polar Plot





TEST NUMBER: P1299101

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 43264 | 43264 | 43264 | 43264 | 43264 |
| 5° | 53247 | 49571 | 42197 | 37046 | 35087 |
| 10° | 65018 | 55844 | 39701 | 30772 | 28301 |
| 15° | 78956 | 61226 | 36186 | 25562 | 22770 |
| 20° | 88441 | 65036 | 32249 | 20815 | 18458 |
| 25° | 94118 | 65810 | 28598 | 17251 | 14565 |
| 30° | 96521 | 63782 | 25118 | 14686 | 12407 |
| 35° | 93398 | 61757 | 22085 | 12528 | 10734 |
| 40° | 85503 | 58080 | 19465 | 11164 | 9561 |
| 45° | 75698 | 48408 | 17273 | 10358 | 8652 |
| 50° | 62736 | 41449 | 15215 | 9518 | 7983 |
| 55° | 47291 | 34522 | 14069 | 8946 | 7226 |
| 60° | 37146 | 25919 | 12718 | 8289 | 6359 |
| 65° | 27759 | 19094 | 11000 | 6953 | 5189 |
| 70° | 17888 | 12117 | 7886 | 5001 | 2885 |
| 75° | 7540 | 6608 | 3813 | 1864 | 932 |
| 80° | 1389 | 1389 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 75698 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 18.7 | 4.8 |
| 10°-20° | 53.9 | 13.7 |
| 20°-30° | 78.8 | 20.0 |
| 30°-40° | 85.8 | 21.8 |
| 40°-50° | 74.3 | 18.9 |
| 50°-60° | 49.7 | 12.7 |
| 60°-70° | 25.7 | 6.5 |
| 70°-80° | 6.1 | 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° | 151.3 | 38.5 |
| 0°-40° | 237.2 | 60.3 |
| 0°-60° | 361.2 | 91.9 |
| 0°-90° | 393.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 393.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 197 | 197 | 197 | 197 | 197 | |
| 5° | 242 | 225 | 192 | 168 | 159 | 25 |
| 15° | 348 | 270 | 159 | 113 | 100 | 99 |
| 25° | 389 | 272 | 118 | 71 | 60 | 179 |
| 35° | 349 | 231 | 82 | 47 | 40 | 216 |
| 45° | 244 | 156 | 56 | 33 | 28 | 187 |
| 55° | 124 | 90 | 37 | 23 | 19 | 114 |
| 65° | 54 | 37 | 21 | 13 | 10 | 54 |
| 75° | 9 | 8 | 4 | 2 | 1 | 12 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1299101

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 |
| 2.5° | 219.6 | 218.5 | 218.5 | 216.2 | 214.0 | 211.8 | 208.4 | 205.1 | 201.8 | 198.4 | 196.2 |
| 5° | 241.9 | 243.0 | 241.9 | 237.4 | 231.8 | 225.2 | 218.5 | 210.7 | 202.9 | 196.2 | 191.7 |
| 7.5° | 267.5 | 267.5 | 264.2 | 258.6 | 250.8 | 239.6 | 228.5 | 215.1 | 202.9 | 191.7 | 186.1 |
| 10° | 292.0 | 292.0 | 286.5 | 277.5 | 265.3 | 250.8 | 235.2 | 217.4 | 200.6 | 185.0 | 178.3 |
| 12.5° | 322.1 | 321.0 | 314.3 | 299.8 | 282.0 | 260.8 | 239.6 | 217.4 | 197.3 | 178.3 | 169.4 |
| 15° | 347.8 | 346.7 | 337.7 | 319.9 | 296.5 | 269.7 | 240.8 | 215.1 | 190.6 | 169.4 | 159.4 |
| 17.5° | 366.7 | 364.5 | 354.5 | 335.5 | 308.8 | 275.3 | 241.9 | 210.7 | 182.8 | 159.4 | 149.4 |
| 20° | 379.0 | 377.9 | 366.7 | 344.4 | 315.4 | 278.7 | 240.8 | 205.1 | 175.0 | 149.4 | 138.2 |
| 22.5° | 386.8 | 384.6 | 373.4 | 348.9 | 315.4 | 277.5 | 236.3 | 197.3 | 165.0 | 139.3 | 128.2 |
| 25° | 389.0 | 387.9 | 374.5 | 347.8 | 312.1 | 272.0 | 229.6 | 189.5 | 154.9 | 129.3 | 118.2 |
| 26° | 389.0 | 387.9 | 374.5 | 346.7 | 309.9 | 268.6 | 226.3 | 186.1 | 151.6 | 124.8 | 114.8 |
| 27.5° | 387.9 | 386.8 | 372.3 | 343.3 | 305.4 | 263.1 | 219.6 | 179.5 | 144.9 | 119.3 | 108.1 |
| 30° | 381.2 | 379.0 | 364.5 | 335.5 | 295.4 | 251.9 | 208.4 | 169.4 | 134.9 | 109.2 | 99.2 |
| 32.5° | 366.7 | 364.5 | 348.9 | 322.1 | 284.2 | 239.6 | 196.2 | 158.3 | 124.8 | 99.2 | 90.3 |
| 35° | 348.9 | 346.7 | 331.1 | 305.4 | 268.6 | 230.7 | 182.8 | 146.0 | 113.7 | 91.4 | 82.5 |
| 37.5° | 326.6 | 323.2 | 309.9 | 283.1 | 249.7 | 220.7 | 171.7 | 133.8 | 103.7 | 82.5 | 74.7 |
| 40° | 298.7 | 297.6 | 285.4 | 260.8 | 227.4 | 202.9 | 165.0 | 133.8 | 94.7 | 74.7 | 68.0 |
| 42.5° | 272.0 | 269.7 | 258.6 | 237.4 | 207.3 | 177.2 | 144.9 | 128.2 | 88.1 | 66.9 | 61.3 |
| 45° | 244.1 | 241.9 | 231.8 | 214.0 | 186.1 | 156.1 | 128.2 | 110.4 | 75.8 | 61.3 | 55.7 |
| 47.5° | 214.0 | 211.8 | 204.0 | 190.6 | 166.1 | 139.3 | 113.7 | 90.3 | 69.1 | 54.6 | 50.2 |
| 50° | 183.9 | 185.0 | 178.3 | 165.0 | 146.0 | 121.5 | 98.1 | 75.8 | 59.1 | 49.0 | 44.6 |
| 52.5° | 153.8 | 152.7 | 148.2 | 139.3 | 126.0 | 104.8 | 83.6 | 64.6 | 51.3 | 43.5 | 41.2 |
| 55° | 123.7 | 124.8 | 122.6 | 117.0 | 105.9 | 90.3 | 70.2 | 55.7 | 45.7 | 39.0 | 36.8 |
| 57.5° | 102.5 | 103.7 | 99.2 | 95.9 | 86.9 | 73.6 | 58.0 | 46.8 | 39.0 | 34.6 | 32.3 |
| 60° | 84.7 | 85.8 | 82.5 | 78.0 | 71.3 | 59.1 | 46.8 | 39.0 | 34.6 | 31.2 | 29.0 |
| 62.5° | 69.1 | 68.0 | 65.8 | 61.3 | 55.7 | 46.8 | 37.9 | 32.3 | 29.0 | 26.8 | 25.6 |
| 65° | 53.5 | 53.5 | 51.3 | 47.9 | 43.5 | 36.8 | 30.1 | 26.8 | 24.5 | 22.3 | 21.2 |
| 67.5° | 40.1 | 40.1 | 37.9 | 35.7 | 31.2 | 26.8 | 23.4 | 21.2 | 20.1 | 17.8 | 16.7 |
| 70° | 27.9 | 27.9 | 26.8 | 25.6 | 22.3 | 18.9 | 17.8 | 15.6 | 14.5 | 13.4 | 12.3 |
| 72.5° | 17.8 | 17.8 | 17.8 | 15.6 | 14.5 | 12.3 | 12.3 | 11.1 | 10.0 | 8.9 | 8.9 |
| 75° | 8.9 | 10.0 | 8.9 | 8.9 | 7.8 | 7.8 | 6.7 | 6.7 | 5.6 | 5.6 | 4.5 |
| 77.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 80° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 |
| 2.5° | 193.9 | 190.6 | 188.4 | 185.0 | 182.8 | 180.6 | 179.5 | 178.3 | 178.3 | 178.3 |
| 5° | 188.4 | 182.8 | 177.2 | 171.7 | 168.3 | 165.0 | 161.6 | 160.5 | 159.4 | 159.4 |
| 7.5° | 181.7 | 172.8 | 165.0 | 158.3 | 152.7 | 149.4 | 146.0 | 143.8 | 142.7 | 142.7 |
| 10° | 172.8 | 161.6 | 152.7 | 143.8 | 138.2 | 133.8 | 131.5 | 128.2 | 128.2 | 127.1 |
| 12.5° | 162.7 | 149.4 | 139.3 | 131.5 | 126.0 | 120.4 | 117.0 | 114.8 | 113.7 | 113.7 |
| 15° | 151.6 | 138.2 | 127.1 | 118.2 | 112.6 | 107.0 | 103.7 | 101.4 | 100.3 | 100.3 |
| 17.5° | 140.4 | 126.0 | 114.8 | 105.9 | 100.3 | 94.7 | 91.4 | 89.2 | 89.2 | 88.1 |
| 20° | 129.3 | 114.8 | 103.7 | 94.7 | 89.2 | 84.7 | 81.4 | 79.1 | 78.0 | 79.1 |
| 22.5° | 119.3 | 104.8 | 93.6 | 85.8 | 79.1 | 74.7 | 71.3 | 70.2 | 69.1 | 69.1 |
| 25° | 108.1 | 94.7 | 84.7 | 76.9 | 71.3 | 66.9 | 63.5 | 62.4 | 61.3 | 60.2 |
| 26° | 104.8 | 91.4 | 81.4 | 73.6 | 68.0 | 63.5 | 61.3 | 59.1 | 58.0 | 58.0 |
| 27.5° | 100.3 | 85.8 | 76.9 | 69.1 | 63.5 | 60.2 | 56.8 | 55.7 | 54.6 | 54.6 |
| 30° | 90.3 | 78.0 | 69.1 | 62.4 | 58.0 | 53.5 | 51.3 | 50.2 | 49.0 | 49.0 |
| 32.5° | 82.5 | 70.2 | 62.4 | 56.8 | 52.4 | 49.0 | 46.8 | 44.6 | 44.6 | 44.6 |
| 35° | 74.7 | 63.5 | 56.8 | 51.3 | 46.8 | 43.5 | 42.4 | 41.2 | 40.1 | 40.1 |
| 37.5° | 68.0 | 58.0 | 51.3 | 46.8 | 43.5 | 40.1 | 37.9 | 36.8 | 36.8 | 36.8 |
| 40° | 61.3 | 53.5 | 46.8 | 42.4 | 39.0 | 36.8 | 34.6 | 33.4 | 33.4 | 33.4 |
| 42.5° | 55.7 | 47.9 | 43.5 | 39.0 | 35.7 | 33.4 | 32.3 | 31.2 | 30.1 | 30.1 |
| 45° | 51.3 | 44.6 | 39.0 | 35.7 | 33.4 | 31.2 | 29.0 | 27.9 | 27.9 | 27.9 |
| 47.5° | 45.7 | 41.2 | 35.7 | 32.3 | 30.1 | 27.9 | 26.8 | 25.6 | 25.6 | 25.6 |
| 50° | 42.4 | 37.9 | 33.4 | 30.1 | 27.9 | 25.6 | 24.5 | 23.4 | 23.4 | 23.4 |
| 52.5° | 37.9 | 34.6 | 31.2 | 27.9 | 25.6 | 23.4 | 22.3 | 21.2 | 21.2 | 21.2 |
| 55° | 34.6 | 31.2 | 27.9 | 25.6 | 23.4 | 21.2 | 20.1 | 18.9 | 18.9 | 18.9 |
| 57.5° | 31.2 | 27.9 | 25.6 | 23.4 | 21.2 | 20.1 | 17.8 | 17.8 | 16.7 | 16.7 |
| 60° | 27.9 | 24.5 | 22.3 | 21.2 | 18.9 | 17.8 | 15.6 | 14.5 | 14.5 | 14.5 |
| 62.5° | 23.4 | 22.3 | 20.1 | 17.8 | 15.6 | 14.5 | 13.4 | 12.3 | 12.3 | 12.3 |
| 65° | 20.1 | 18.9 | 16.7 | 14.5 | 13.4 | 12.3 | 11.1 | 10.0 | 10.0 | 10.0 |
| 67.5° | 16.7 | 14.5 | 13.4 | 12.3 | 11.1 | 10.0 | 8.9 | 7.8 | 6.7 | 7.8 |
| 70° | 12.3 | 11.1 | 10.0 | 8.9 | 7.8 | 6.7 | 5.6 | 5.6 | 4.5 | 4.5 |
| 72.5° | 7.8 | 6.7 | 6.7 | 5.6 | 4.5 | 4.5 | 3.3 | 3.3 | 2.2 | 2.2 |
| 75° | 4.5 | 4.5 | 3.3 | 3.3 | 2.2 | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 |
| 77.5° | 2.2 | 1.1 | 1.1 | 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)