

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: P3ART13R70B2750DE010 E3CLCWW1MMS_3000K

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: P3ART13R70B2750DE010 E3CLCWW1MMS_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3CLCWW1MMS TRIM
Light Source: -
Ballast/Driver: -

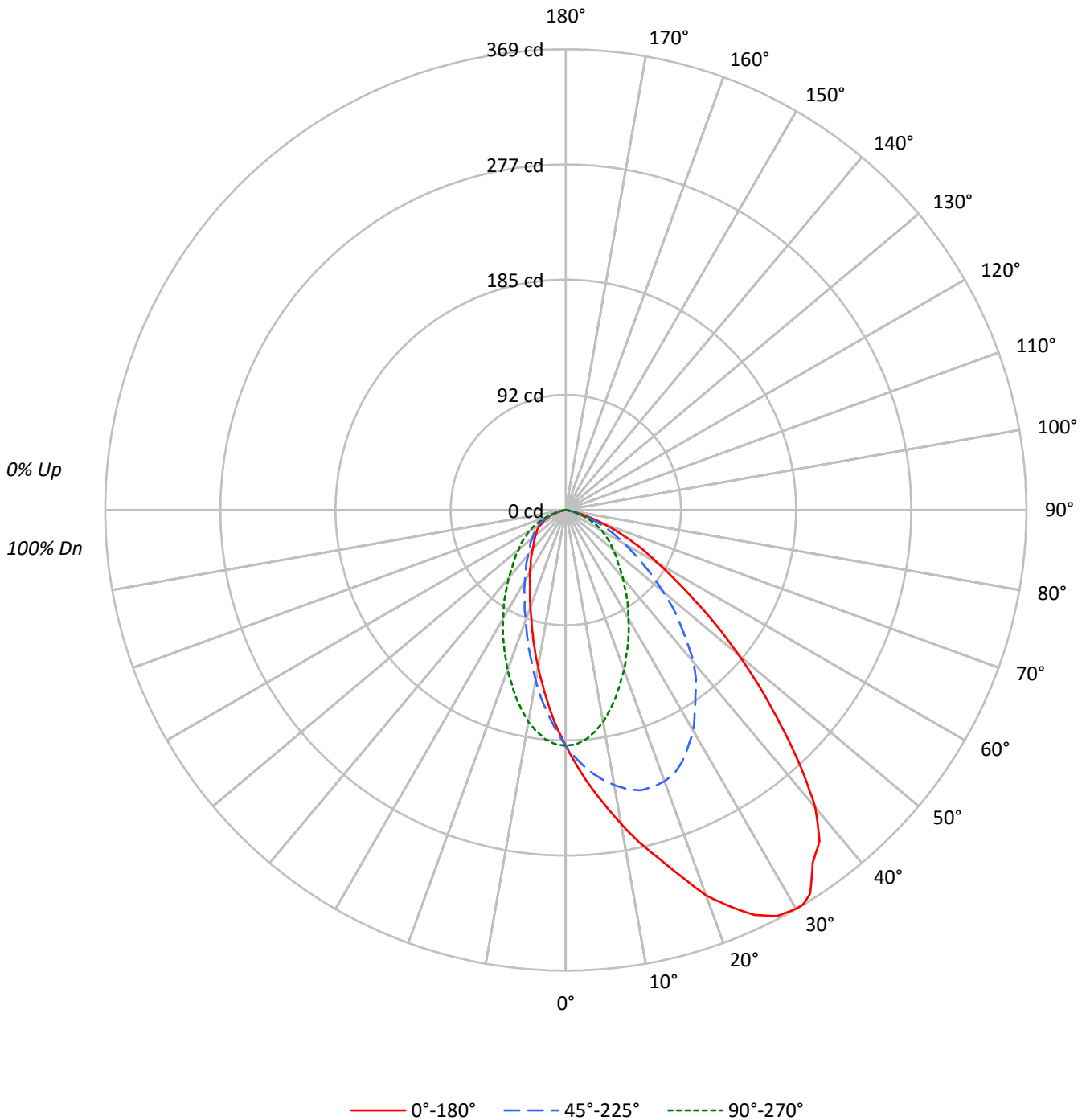
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 384.0 lumens
Efficiency: N/A
Efficacy: 20.1 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): 19.1
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: P3ART13R70B2750DE010 E3CLCWW1MMS_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R70B2750DE010 E3CLCWW1MMS_3000K

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 | 107 | 103 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | 88 | 88 | 88 | |
| 2 | 102 | 95 | 90 | 85 | 100 | 93 | 88 | 84 | 90 | 86 | 82 | 87 | 83 | 80 | 84 | 81 | 78 | 76 | 76 | 76 | 76 | |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 76 | 72 | 68 | 66 | 66 | 66 | 66 | |
| 4 | 87 | 77 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 60 | 58 | 58 | 58 | 58 | |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 59 | 54 | 64 | 58 | 54 | 62 | 57 | 53 | 51 | 51 | 51 | 51 | |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 54 | 49 | 60 | 53 | 48 | 59 | 53 | 48 | 57 | 52 | 47 | 46 | 46 | 46 | 46 | |
| 7 | 70 | 57 | 49 | 44 | 68 | 57 | 49 | 44 | 55 | 48 | 43 | 54 | 48 | 43 | 52 | 47 | 43 | 41 | 41 | 41 | 41 | |
| 8 | 65 | 53 | 45 | 39 | 64 | 52 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 39 | 48 | 43 | 39 | 37 | 37 | 37 | 37 | |
| 9 | 61 | 49 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 35 | 45 | 39 | 35 | 34 | 34 | 34 | 34 | |
| 10 | 57 | 45 | 38 | 33 | 56 | 45 | 37 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 36 | 32 | 31 | 31 | 31 | 31 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 41400 | 41400 | 41400 | 41400 | 41400 |
| 5° | 48756 | 46115 | 40590 | 36033 | 34581 |
| 10° | 56846 | 49810 | 38387 | 30861 | 28434 |
| 15° | 65630 | 52759 | 35165 | 26016 | 23292 |
| 20° | 76633 | 53975 | 31829 | 21889 | 19345 |
| 25° | 86594 | 53592 | 28502 | 18751 | 16356 |
| 30° | 93381 | 51654 | 25422 | 16585 | 14635 |
| 35° | 92300 | 48479 | 22781 | 14884 | 13144 |
| 40° | 88995 | 45600 | 20295 | 13425 | 11879 |
| 45° | 75450 | 40252 | 18265 | 12528 | 11164 |
| 50° | 61780 | 34626 | 16750 | 11906 | 10780 |
| 55° | 47979 | 28788 | 15866 | 11660 | 10857 |
| 60° | 37322 | 23945 | 14823 | 11490 | 10043 |
| 65° | 29419 | 19821 | 13023 | 10740 | 9599 |
| 70° | 20260 | 14682 | 10515 | 9104 | 8399 |
| 75° | 10167 | 8303 | 7371 | 6439 | 5507 |
| 80° | 1389 | 2778 | 4167 | 2778 | 1389 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 75450 cd/sqm



TEST NUMBER: P#
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 17.7 | 4.6 |
| 10°-20° | 49.2 | 12.8 |
| 20°-30° | 72.5 | 18.9 |
| 30°-40° | 81.2 | 21.2 |
| 40°-50° | 71.4 | 18.6 |
| 50°-60° | 51.1 | 13.3 |
| 60°-70° | 30.3 | 7.9 |
| 70°-80° | 10.2 | 2.6 |
| 80°-90° | 0.5 | 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° | 139.3 | 36.3 |
| 0°-40° | 220.5 | 57.4 |
| 0°-60° | 343.1 | 89.3 |
| 0°-90° | 384.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 384.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 189 | 189 | 189 | 189 | 189 | |
| 5° | 222 | 210 | 184 | 164 | 157 | 22 |
| 15° | 289 | 232 | 155 | 115 | 103 | 83 |
| 25° | 358 | 222 | 118 | 78 | 68 | 165 |
| 35° | 345 | 181 | 85 | 56 | 49 | 217 |
| 45° | 243 | 130 | 59 | 40 | 36 | 188 |
| 55° | 126 | 75 | 42 | 30 | 28 | 115 |
| 65° | 57 | 38 | 25 | 21 | 18 | 57 |
| 75° | 12 | 10 | 9 | 8 | 6 | 15 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R70B2750DE010 E3CLCWW1MMS_3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 188.8 | 188.8 | 188.8 | 188.8 | 188.8 | 188.8 | 188.8 | 188.8 | 188.8 | 188.8 | 188.8 |
| 2.5° | 205.1 | 205.1 | 205.1 | 202.9 | 202.9 | 199.7 | 197.5 | 194.2 | 192.0 | 188.8 | 187.7 |
| 5° | 221.5 | 221.5 | 219.3 | 217.1 | 213.8 | 209.5 | 204.0 | 198.6 | 192.0 | 186.6 | 184.4 |
| 7.5° | 237.8 | 238.9 | 235.7 | 231.3 | 224.8 | 217.1 | 209.5 | 200.8 | 190.9 | 183.3 | 178.9 |
| 10° | 255.3 | 255.3 | 250.9 | 244.4 | 234.6 | 223.7 | 211.7 | 199.7 | 187.7 | 176.8 | 172.4 |
| 12.5° | 272.8 | 271.7 | 266.2 | 256.4 | 244.4 | 229.1 | 212.8 | 197.5 | 183.3 | 170.2 | 163.7 |
| 15° | 289.1 | 289.1 | 281.5 | 269.5 | 252.0 | 232.4 | 212.8 | 193.1 | 176.8 | 161.5 | 154.9 |
| 17.5° | 307.7 | 307.7 | 297.9 | 279.3 | 257.5 | 232.4 | 209.5 | 187.7 | 169.1 | 152.7 | 145.1 |
| 20° | 328.4 | 327.3 | 313.1 | 288.0 | 259.7 | 231.3 | 205.1 | 181.1 | 160.4 | 142.9 | 136.4 |
| 22.5° | 343.7 | 342.6 | 326.2 | 295.7 | 260.8 | 228.0 | 197.5 | 172.4 | 151.7 | 134.2 | 126.6 |
| 25° | 357.9 | 355.7 | 337.1 | 298.9 | 258.6 | 221.5 | 189.8 | 162.6 | 142.9 | 125.5 | 117.8 |
| 27.5° | 366.6 | 365.5 | 344.8 | 297.9 | 253.1 | 212.8 | 180.0 | 153.8 | 133.1 | 115.7 | 109.1 |
| 30° | 368.8 | 369.9 | 344.8 | 292.4 | 244.4 | 204.0 | 170.2 | 144.0 | 123.3 | 108.0 | 100.4 |
| 31° | 368.8 | 369.9 | 342.6 | 289.1 | 241.1 | 199.7 | 165.8 | 140.7 | 118.9 | 103.6 | 97.1 |
| 32.5° | 364.4 | 362.2 | 339.3 | 283.7 | 233.5 | 192.0 | 160.4 | 135.3 | 113.5 | 98.2 | 92.7 |
| 35° | 344.8 | 345.9 | 328.4 | 271.7 | 222.6 | 181.1 | 149.5 | 124.4 | 103.6 | 90.6 | 85.1 |
| 37.5° | 333.9 | 333.9 | 302.2 | 255.3 | 210.6 | 171.3 | 136.4 | 112.4 | 94.9 | 82.9 | 77.5 |
| 40° | 310.9 | 307.7 | 278.2 | 237.8 | 196.4 | 159.3 | 128.7 | 104.7 | 87.3 | 75.3 | 70.9 |
| 42.5° | 278.2 | 274.9 | 252.0 | 222.6 | 177.8 | 144.0 | 122.2 | 92.7 | 78.6 | 68.7 | 64.4 |
| 45° | 243.3 | 241.1 | 223.7 | 196.4 | 160.4 | 129.8 | 105.8 | 85.1 | 72.0 | 62.2 | 58.9 |
| 47.5° | 211.7 | 208.4 | 195.3 | 174.6 | 145.1 | 116.7 | 91.6 | 76.4 | 64.4 | 56.7 | 54.6 |
| 50° | 181.1 | 180.0 | 169.1 | 152.7 | 128.7 | 101.5 | 80.7 | 67.6 | 58.9 | 52.4 | 49.1 |
| 52.5° | 152.7 | 150.6 | 145.1 | 132.0 | 112.4 | 88.4 | 70.9 | 60.0 | 52.4 | 48.0 | 45.8 |
| 55° | 125.5 | 125.5 | 120.0 | 111.3 | 96.0 | 75.3 | 62.2 | 53.5 | 46.9 | 43.6 | 41.5 |
| 57.5° | 103.6 | 103.6 | 99.3 | 93.8 | 79.6 | 64.4 | 54.6 | 46.9 | 42.6 | 39.3 | 37.1 |
| 60° | 85.1 | 85.1 | 81.8 | 76.4 | 66.6 | 54.6 | 46.9 | 41.5 | 38.2 | 34.9 | 33.8 |
| 62.5° | 70.9 | 69.8 | 67.6 | 62.2 | 54.6 | 45.8 | 40.4 | 36.0 | 32.7 | 30.5 | 29.5 |
| 65° | 56.7 | 55.6 | 53.5 | 49.1 | 43.6 | 38.2 | 33.8 | 30.5 | 28.4 | 26.2 | 25.1 |
| 67.5° | 43.6 | 43.6 | 41.5 | 38.2 | 33.8 | 30.5 | 27.3 | 25.1 | 22.9 | 21.8 | 20.7 |
| 70° | 31.6 | 31.6 | 30.5 | 28.4 | 25.1 | 22.9 | 20.7 | 19.6 | 18.5 | 17.5 | 16.4 |
| 72.5° | 21.8 | 21.8 | 20.7 | 19.6 | 17.5 | 16.4 | 14.2 | 14.2 | 13.1 | 13.1 | 12.0 |
| 75° | 12.0 | 12.0 | 12.0 | 10.9 | 10.9 | 9.8 | 9.8 | 9.8 | 8.7 | 8.7 | 8.7 |
| 77.5° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 80° | 1.1 | 1.1 | 1.1 | 1.1 | 2.2 | 2.2 | 2.2 | 2.2 | 3.3 | 3.3 | 3.3 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 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: P3ART13R70B2750DE010 E3CLCWW1MMS_3000K

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 188.8 | 188.8 | 188.8 | 188.8 | 188.8 | 188.8 | 188.8 | 188.8 | 188.8 | 188.8 |
| 2.5° | 186.6 | 183.3 | 181.1 | 180.0 | 176.8 | 175.7 | 174.6 | 173.5 | 173.5 | 173.5 |
| 5° | 182.2 | 176.8 | 171.3 | 168.0 | 163.7 | 161.5 | 159.3 | 158.2 | 157.1 | 157.1 |
| 7.5° | 174.6 | 168.0 | 161.5 | 156.0 | 151.7 | 147.3 | 145.1 | 142.9 | 142.9 | 141.8 |
| 10° | 166.9 | 158.2 | 150.6 | 142.9 | 138.6 | 133.1 | 130.9 | 128.7 | 127.7 | 127.7 |
| 12.5° | 158.2 | 147.3 | 138.6 | 132.0 | 125.5 | 121.1 | 117.8 | 115.7 | 114.6 | 114.6 |
| 15° | 148.4 | 137.5 | 127.7 | 121.1 | 114.6 | 109.1 | 105.8 | 103.6 | 102.6 | 102.6 |
| 17.5° | 138.6 | 127.7 | 116.7 | 110.2 | 103.6 | 98.2 | 96.0 | 93.8 | 92.7 | 91.6 |
| 20° | 129.8 | 116.7 | 108.0 | 99.3 | 93.8 | 89.5 | 86.2 | 84.0 | 82.9 | 82.9 |
| 22.5° | 120.0 | 108.0 | 98.2 | 91.6 | 86.2 | 81.8 | 77.5 | 76.4 | 75.3 | 75.3 |
| 25° | 110.2 | 99.3 | 90.6 | 84.0 | 77.5 | 74.2 | 70.9 | 68.7 | 68.7 | 67.6 |
| 27.5° | 102.6 | 91.6 | 82.9 | 76.4 | 72.0 | 67.6 | 65.5 | 63.3 | 62.2 | 62.2 |
| 30° | 93.8 | 84.0 | 76.4 | 70.9 | 65.5 | 62.2 | 60.0 | 57.8 | 57.8 | 57.8 |
| 31° | 91.6 | 81.8 | 74.2 | 67.6 | 63.3 | 60.0 | 57.8 | 56.7 | 55.6 | 55.6 |
| 32.5° | 86.2 | 77.5 | 69.8 | 64.4 | 60.0 | 56.7 | 54.6 | 53.5 | 53.5 | 52.4 |
| 35° | 79.6 | 70.9 | 64.4 | 58.9 | 55.6 | 52.4 | 50.2 | 49.1 | 49.1 | 49.1 |
| 37.5° | 73.1 | 65.5 | 58.9 | 54.6 | 51.3 | 48.0 | 46.9 | 44.7 | 44.7 | 44.7 |
| 40° | 66.6 | 60.0 | 54.6 | 50.2 | 46.9 | 44.7 | 43.6 | 42.6 | 41.5 | 41.5 |
| 42.5° | 61.1 | 54.6 | 50.2 | 46.9 | 43.6 | 41.5 | 40.4 | 39.3 | 39.3 | 38.2 |
| 45° | 55.6 | 50.2 | 46.9 | 43.6 | 40.4 | 39.3 | 38.2 | 37.1 | 36.0 | 36.0 |
| 47.5° | 51.3 | 46.9 | 42.6 | 40.4 | 38.2 | 36.0 | 34.9 | 34.9 | 33.8 | 33.8 |
| 50° | 46.9 | 42.6 | 39.3 | 37.1 | 34.9 | 33.8 | 32.7 | 32.7 | 31.6 | 31.6 |
| 52.5° | 43.6 | 39.3 | 37.1 | 34.9 | 32.7 | 31.6 | 30.5 | 30.5 | 29.5 | 29.5 |
| 55° | 39.3 | 36.0 | 33.8 | 32.7 | 30.5 | 29.5 | 28.4 | 27.3 | 27.3 | 28.4 |
| 57.5° | 36.0 | 33.8 | 31.6 | 30.5 | 28.4 | 27.3 | 26.2 | 26.2 | 25.1 | 26.2 |
| 60° | 32.7 | 30.5 | 28.4 | 27.3 | 26.2 | 25.1 | 24.0 | 22.9 | 22.9 | 22.9 |
| 62.5° | 29.5 | 27.3 | 26.2 | 24.0 | 22.9 | 22.9 | 21.8 | 21.8 | 21.8 | 20.7 |
| 65° | 25.1 | 24.0 | 22.9 | 21.8 | 20.7 | 19.6 | 19.6 | 18.5 | 18.5 | 18.5 |
| 67.5° | 20.7 | 19.6 | 18.5 | 18.5 | 17.5 | 16.4 | 16.4 | 16.4 | 16.4 | 15.3 |
| 70° | 16.4 | 15.3 | 15.3 | 14.2 | 14.2 | 14.2 | 13.1 | 13.1 | 13.1 | 13.1 |
| 72.5° | 12.0 | 12.0 | 10.9 | 10.9 | 10.9 | 10.9 | 9.8 | 9.8 | 9.8 | 9.8 |
| 75° | 8.7 | 8.7 | 8.7 | 7.6 | 7.6 | 7.6 | 6.5 | 6.5 | 6.5 | 6.5 |
| 77.5° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| 80° | 3.3 | 3.3 | 3.3 | 3.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.1 |
| 82.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 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)