

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: P3ART20R709827D010 E3CLSWW1MW

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: P3ART20R709827D010 E3CLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

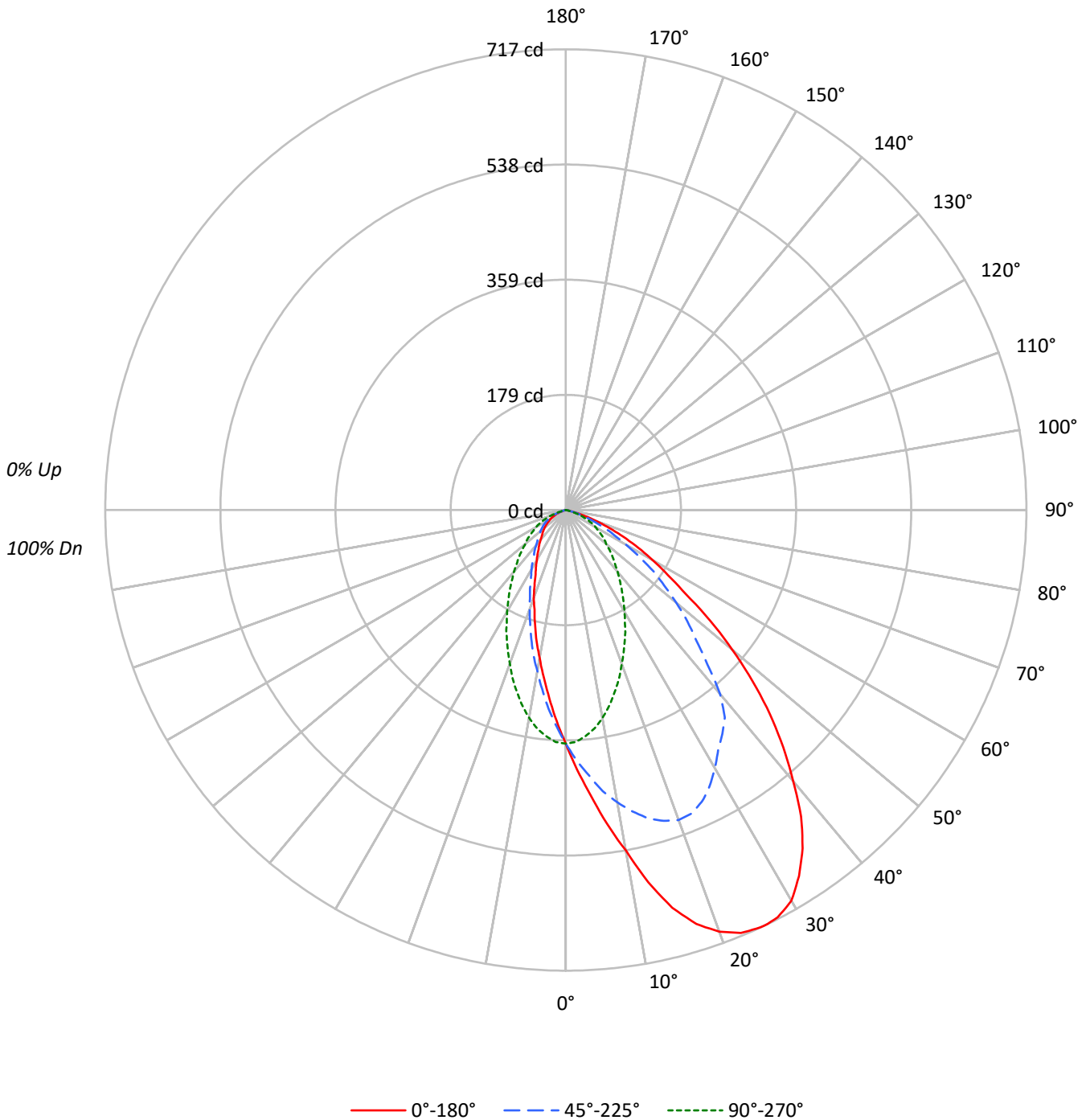
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 724.0 lumens
Efficiency: N/A
Efficacy: 26.4 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): 27.4
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: P3ART20R709827D010 E3CLSWW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709827D010 E3CLSWW1MW

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° | 79709 | 79709 | 79709 | 79709 | 79709 |
| 5° | 98085 | 91305 | 77746 | 68259 | 64627 |
| 10° | 119793 | 102871 | 73167 | 56690 | 52126 |
| 15° | 145449 | 112804 | 66652 | 47083 | 41953 |
| 20° | 162927 | 119804 | 59412 | 38340 | 34023 |
| 25° | 173405 | 121217 | 52672 | 31792 | 26832 |
| 30° | 177825 | 117512 | 46286 | 27042 | 22890 |
| 35° | 172046 | 113796 | 40689 | 23075 | 19782 |
| 40° | 157524 | 106972 | 35867 | 20581 | 17633 |
| 45° | 139456 | 89157 | 31848 | 19103 | 15909 |
| 50° | 115578 | 76347 | 28008 | 17500 | 14703 |
| 55° | 87127 | 63577 | 25920 | 16477 | 13342 |
| 60° | 68459 | 47715 | 23419 | 15306 | 11710 |
| 65° | 51160 | 35179 | 20236 | 12764 | 9599 |
| 70° | 32890 | 22376 | 14490 | 9232 | 5257 |
| 75° | 13895 | 12200 | 6947 | 3474 | 1779 |
| 80° | 2652 | 2652 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 139456 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART20R709827D010 E3CLSWW1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 34.5 | 4.8 |
| 10°-20° | 99.2 | 13.7 |
| 20°-30° | 145.1 | 20.0 |
| 30°-40° | 158.1 | 21.8 |
| 40°-50° | 136.8 | 18.9 |
| 50°-60° | 91.6 | 12.7 |
| 60°-70° | 47.3 | 6.5 |
| 70°-80° | 11.2 | 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° | 278.8 | 38.5 |
| 0°-40° | 436.9 | 60.3 |
| 0°-60° | 665.4 | 91.9 |
| 0°-90° | 724.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 724.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 364 | 364 | 364 | 364 | 364 | |
| 5° | 446 | 415 | 353 | 310 | 294 | 45 |
| 15° | 641 | 497 | 294 | 207 | 185 | 181 |
| 25° | 717 | 501 | 218 | 131 | 111 | 329 |
| 35° | 643 | 425 | 152 | 86 | 74 | 398 |
| 45° | 450 | 288 | 103 | 62 | 51 | 344 |
| 55° | 228 | 166 | 68 | 43 | 35 | 211 |
| 65° | 99 | 68 | 39 | 25 | 18 | 99 |
| 75° | 16 | 14 | 8 | 4 | 2 | 22 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709827D010 E3CLSWW1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 363.5 | 363.5 | 363.5 | 363.5 | 363.5 | 363.5 | 363.5 | 363.5 | 363.5 | 363.5 | 363.5 |
| 2.5° | 404.5 | 402.5 | 402.5 | 398.4 | 394.3 | 390.2 | 384.0 | 377.8 | 371.7 | 365.5 | 361.4 |
| 5° | 445.6 | 447.7 | 445.6 | 437.4 | 427.1 | 414.8 | 402.5 | 388.1 | 373.7 | 361.4 | 353.2 |
| 7.5° | 492.8 | 492.8 | 486.7 | 476.4 | 462.0 | 441.5 | 421.0 | 396.3 | 373.7 | 353.2 | 342.9 |
| 10° | 538.0 | 538.0 | 527.7 | 511.3 | 488.7 | 462.0 | 433.3 | 400.4 | 369.6 | 340.9 | 328.6 |
| 12.5° | 593.4 | 591.4 | 579.1 | 552.4 | 519.5 | 480.5 | 441.5 | 400.4 | 363.5 | 328.6 | 312.1 |
| 15° | 640.7 | 638.6 | 622.2 | 589.3 | 546.2 | 496.9 | 443.5 | 396.3 | 351.1 | 312.1 | 293.6 |
| 17.5° | 675.6 | 671.5 | 653.0 | 618.1 | 568.8 | 507.2 | 445.6 | 388.1 | 336.8 | 293.6 | 275.2 |
| 20° | 698.2 | 696.1 | 675.6 | 634.5 | 581.1 | 513.4 | 443.5 | 377.8 | 322.4 | 275.2 | 254.6 |
| 22.5° | 712.5 | 708.4 | 687.9 | 642.7 | 581.1 | 511.3 | 435.3 | 363.5 | 303.9 | 256.7 | 236.1 |
| 25° | 716.7 | 714.6 | 690.0 | 640.7 | 575.0 | 501.0 | 423.0 | 349.1 | 285.4 | 238.2 | 217.7 |
| 26° | 716.7 | 714.6 | 690.0 | 638.6 | 570.9 | 494.9 | 416.9 | 342.9 | 279.3 | 230.0 | 211.5 |
| 27.5° | 714.6 | 712.5 | 685.9 | 632.5 | 562.6 | 484.6 | 404.5 | 330.6 | 266.9 | 219.7 | 199.2 |
| 30° | 702.3 | 698.2 | 671.5 | 618.1 | 544.2 | 464.1 | 384.0 | 312.1 | 248.5 | 201.2 | 182.8 |
| 32.5° | 675.6 | 671.5 | 642.7 | 593.4 | 523.6 | 441.5 | 361.4 | 291.6 | 230.0 | 182.8 | 166.3 |
| 35° | 642.7 | 638.6 | 609.9 | 562.6 | 494.9 | 425.1 | 336.8 | 269.0 | 209.5 | 168.4 | 152.0 |
| 37.5° | 601.7 | 595.5 | 570.9 | 521.6 | 460.0 | 406.6 | 316.2 | 246.4 | 191.0 | 152.0 | 137.6 |
| 40° | 550.3 | 548.3 | 525.7 | 480.5 | 418.9 | 373.7 | 303.9 | 246.4 | 174.5 | 137.6 | 125.3 |
| 42.5° | 501.0 | 496.9 | 476.4 | 437.4 | 381.9 | 326.5 | 266.9 | 236.1 | 162.2 | 123.2 | 112.9 |
| 45° | 449.7 | 445.6 | 427.1 | 394.3 | 342.9 | 287.5 | 236.1 | 203.3 | 139.6 | 112.9 | 102.7 |
| 47.5° | 394.3 | 390.2 | 375.8 | 351.1 | 306.0 | 256.7 | 209.5 | 166.3 | 127.3 | 100.6 | 92.4 |
| 50° | 338.8 | 340.9 | 328.6 | 303.9 | 269.0 | 223.8 | 180.7 | 139.6 | 108.8 | 90.4 | 82.1 |
| 52.5° | 283.4 | 281.3 | 273.1 | 256.7 | 232.0 | 193.0 | 154.0 | 119.1 | 94.5 | 80.1 | 76.0 |
| 55° | 227.9 | 230.0 | 225.9 | 215.6 | 195.1 | 166.3 | 129.4 | 102.7 | 84.2 | 71.9 | 67.8 |
| 57.5° | 188.9 | 191.0 | 182.8 | 176.6 | 160.2 | 135.5 | 106.8 | 86.2 | 71.9 | 63.7 | 59.6 |
| 60° | 156.1 | 158.1 | 152.0 | 143.7 | 131.4 | 108.8 | 86.2 | 71.9 | 63.7 | 57.5 | 53.4 |
| 62.5° | 127.3 | 125.3 | 121.2 | 112.9 | 102.7 | 86.2 | 69.8 | 59.6 | 53.4 | 49.3 | 47.2 |
| 65° | 98.6 | 98.6 | 94.5 | 88.3 | 80.1 | 67.8 | 55.4 | 49.3 | 45.2 | 41.1 | 39.0 |
| 67.5° | 73.9 | 73.9 | 69.8 | 65.7 | 57.5 | 49.3 | 43.1 | 39.0 | 37.0 | 32.9 | 30.8 |
| 70° | 51.3 | 51.3 | 49.3 | 47.2 | 41.1 | 34.9 | 32.9 | 28.7 | 26.7 | 24.6 | 22.6 |
| 72.5° | 32.9 | 32.9 | 32.9 | 28.7 | 26.7 | 22.6 | 22.6 | 20.5 | 18.5 | 16.4 | 16.4 |
| 75° | 16.4 | 18.5 | 16.4 | 16.4 | 14.4 | 14.4 | 12.3 | 12.3 | 10.3 | 10.3 | 8.2 |
| 77.5° | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 80° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 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 |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709827D010 E3CLSWW1MW

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 363.5 | 363.5 | 363.5 | 363.5 | 363.5 | 363.5 | 363.5 | 363.5 | 363.5 | 363.5 |
| 2.5° | 357.3 | 351.1 | 347.0 | 340.9 | 336.8 | 332.7 | 330.6 | 328.6 | 328.6 | 328.6 |
| 5° | 347.0 | 336.8 | 326.5 | 316.2 | 310.1 | 303.9 | 297.8 | 295.7 | 293.6 | 293.6 |
| 7.5° | 334.7 | 318.3 | 303.9 | 291.6 | 281.3 | 275.2 | 269.0 | 264.9 | 262.8 | 262.8 |
| 10° | 318.3 | 297.8 | 281.3 | 264.9 | 254.6 | 246.4 | 242.3 | 236.1 | 236.1 | 234.1 |
| 12.5° | 299.8 | 275.2 | 256.7 | 242.3 | 232.0 | 221.8 | 215.6 | 211.5 | 209.5 | 209.5 |
| 15° | 279.3 | 254.6 | 234.1 | 217.7 | 207.4 | 197.1 | 191.0 | 186.9 | 184.8 | 184.8 |
| 17.5° | 258.7 | 232.0 | 211.5 | 195.1 | 184.8 | 174.5 | 168.4 | 164.3 | 164.3 | 162.2 |
| 20° | 238.2 | 211.5 | 191.0 | 174.5 | 164.3 | 156.1 | 149.9 | 145.8 | 143.7 | 145.8 |
| 22.5° | 219.7 | 193.0 | 172.5 | 158.1 | 145.8 | 137.6 | 131.4 | 129.4 | 127.3 | 127.3 |
| 25° | 199.2 | 174.5 | 156.1 | 141.7 | 131.4 | 123.2 | 117.0 | 115.0 | 112.9 | 110.9 |
| 26° | 193.0 | 168.4 | 149.9 | 135.5 | 125.3 | 117.0 | 112.9 | 108.8 | 106.8 | 106.8 |
| 27.5° | 184.8 | 158.1 | 141.7 | 127.3 | 117.0 | 110.9 | 104.7 | 102.7 | 100.6 | 100.6 |
| 30° | 166.3 | 143.7 | 127.3 | 115.0 | 106.8 | 98.6 | 94.5 | 92.4 | 90.4 | 90.4 |
| 32.5° | 152.0 | 129.4 | 115.0 | 104.7 | 96.5 | 90.4 | 86.2 | 82.1 | 82.1 | 82.1 |
| 35° | 137.6 | 117.0 | 104.7 | 94.5 | 86.2 | 80.1 | 78.0 | 76.0 | 73.9 | 73.9 |
| 37.5° | 125.3 | 106.8 | 94.5 | 86.2 | 80.1 | 73.9 | 69.8 | 67.8 | 67.8 | 67.8 |
| 40° | 112.9 | 98.6 | 86.2 | 78.0 | 71.9 | 67.8 | 63.7 | 61.6 | 61.6 | 61.6 |
| 42.5° | 102.7 | 88.3 | 80.1 | 71.9 | 65.7 | 61.6 | 59.6 | 57.5 | 55.4 | 55.4 |
| 45° | 94.5 | 82.1 | 71.9 | 65.7 | 61.6 | 57.5 | 53.4 | 51.3 | 51.3 | 51.3 |
| 47.5° | 84.2 | 76.0 | 65.7 | 59.6 | 55.4 | 51.3 | 49.3 | 47.2 | 47.2 | 47.2 |
| 50° | 78.0 | 69.8 | 61.6 | 55.4 | 51.3 | 47.2 | 45.2 | 43.1 | 43.1 | 43.1 |
| 52.5° | 69.8 | 63.7 | 57.5 | 51.3 | 47.2 | 43.1 | 41.1 | 39.0 | 39.0 | 39.0 |
| 55° | 63.7 | 57.5 | 51.3 | 47.2 | 43.1 | 39.0 | 37.0 | 34.9 | 34.9 | 34.9 |
| 57.5° | 57.5 | 51.3 | 47.2 | 43.1 | 39.0 | 37.0 | 32.9 | 32.9 | 30.8 | 30.8 |
| 60° | 51.3 | 45.2 | 41.1 | 39.0 | 34.9 | 32.9 | 28.7 | 26.7 | 26.7 | 26.7 |
| 62.5° | 43.1 | 41.1 | 37.0 | 32.9 | 28.7 | 26.7 | 24.6 | 22.6 | 22.6 | 22.6 |
| 65° | 37.0 | 34.9 | 30.8 | 26.7 | 24.6 | 22.6 | 20.5 | 18.5 | 18.5 | 18.5 |
| 67.5° | 30.8 | 26.7 | 24.6 | 22.6 | 20.5 | 18.5 | 16.4 | 14.4 | 12.3 | 14.4 |
| 70° | 22.6 | 20.5 | 18.5 | 16.4 | 14.4 | 12.3 | 10.3 | 10.3 | 8.2 | 8.2 |
| 72.5° | 14.4 | 12.3 | 12.3 | 10.3 | 8.2 | 8.2 | 6.2 | 6.2 | 4.1 | 4.1 |
| 75° | 8.2 | 8.2 | 6.2 | 6.2 | 4.1 | 4.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 77.5° | 4.1 | 2.1 | 2.1 | 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)