

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: P1445687

Luminaire Tested: P3ART13R709027DE010 E3LSWW1WMH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445687
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: P3ART13R709027DE010 E3LSWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LSWW1WMH TRIM
Light Source: -
Ballast/Driver: -

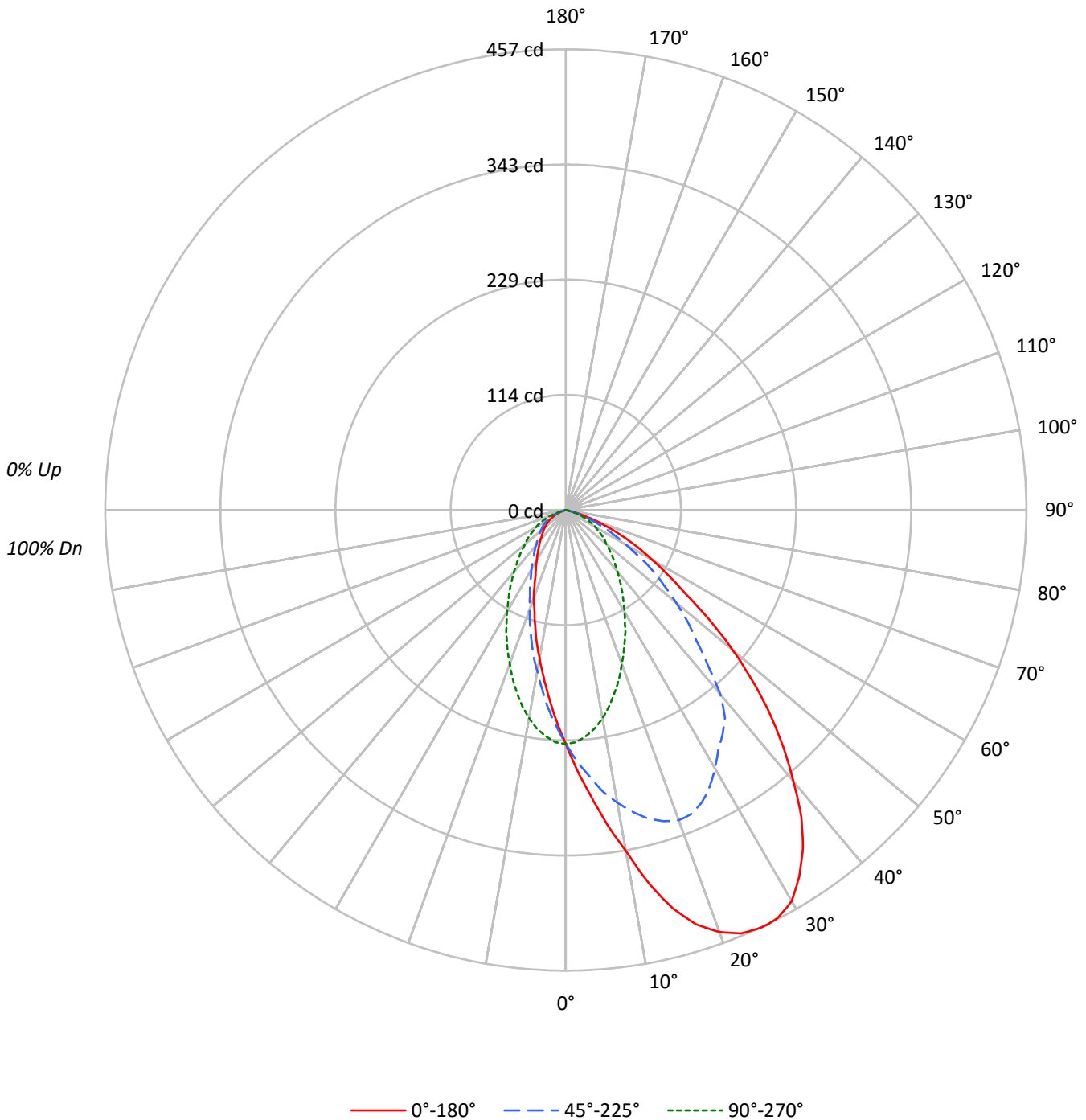
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 462.0 lumens
Efficiency: N/A
Efficacy: 31.6 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): 14.6
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: P1445687
CATALOG NUMBER: P3ART13R709027DE010 E3LSWW1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P1445687

CATALOG NUMBER: P3ART13R709027DE010 E3LSWW1WMH

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° | 50851 | 50851 | 50851 | 50851 | 50851 |
| 5° | 62580 | 58265 | 49615 | 43561 | 41250 |
| 10° | 76440 | 65641 | 46693 | 36183 | 33266 |
| 15° | 92804 | 71987 | 42543 | 30034 | 26765 |
| 20° | 103959 | 76447 | 37920 | 24455 | 21702 |
| 25° | 110643 | 77351 | 33607 | 20300 | 17130 |
| 30° | 113460 | 74974 | 29524 | 17243 | 14610 |
| 35° | 109781 | 72598 | 25966 | 14723 | 12635 |
| 40° | 100531 | 68271 | 22871 | 13139 | 11250 |
| 45° | 89001 | 56874 | 20312 | 12187 | 10172 |
| 50° | 73755 | 48715 | 17876 | 11189 | 9381 |
| 55° | 55587 | 40562 | 16516 | 10513 | 8525 |
| 60° | 43681 | 30436 | 14955 | 9780 | 7456 |
| 65° | 32636 | 22415 | 12920 | 8146 | 6123 |
| 70° | 21029 | 14297 | 9232 | 5898 | 3334 |
| 75° | 8896 | 7795 | 4406 | 2203 | 1101 |
| 80° | 1642 | 1642 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 89001 cd/sqm



TEST NUMBER: P1445687

CATALOG NUMBER: P3ART13R709027DE010 E3LSWW1WMH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 22.0 | 4.8 |
| 10°-20° | 63.3 | 13.7 |
| 20°-30° | 92.6 | 20.0 |
| 30°-40° | 100.9 | 21.8 |
| 40°-50° | 87.3 | 18.9 |
| 50°-60° | 58.5 | 12.7 |
| 60°-70° | 30.2 | 6.5 |
| 70°-80° | 7.1 | 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° | 177.9 | 38.5 |
| 0°-40° | 278.8 | 60.3 |
| 0°-60° | 424.6 | 91.9 |
| 0°-90° | 462.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 462.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 232 | 232 | 232 | 232 | 232 | |
| 5° | 284 | 265 | 225 | 198 | 187 | 29 |
| 15° | 409 | 317 | 187 | 132 | 118 | 116 |
| 25° | 457 | 320 | 139 | 84 | 71 | 210 |
| 35° | 410 | 271 | 97 | 55 | 47 | 254 |
| 45° | 287 | 183 | 66 | 39 | 33 | 220 |
| 55° | 145 | 106 | 43 | 28 | 22 | 135 |
| 65° | 63 | 43 | 25 | 16 | 12 | 63 |
| 75° | 10 | 9 | 5 | 3 | 1 | 14 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1445687

CATALOG NUMBER: P3ART13R709027DE010 E3LSWW1WMH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 |
| 2.5° | 258.1 | 256.8 | 256.8 | 254.2 | 251.6 | 249.0 | 245.0 | 241.1 | 237.2 | 233.2 | 230.6 |
| 5° | 284.3 | 285.7 | 284.3 | 279.1 | 272.6 | 264.7 | 256.8 | 247.7 | 238.5 | 230.6 | 225.4 |
| 7.5° | 314.5 | 314.5 | 310.6 | 304.0 | 294.8 | 281.7 | 268.6 | 252.9 | 238.5 | 225.4 | 218.8 |
| 10° | 343.3 | 343.3 | 336.8 | 326.3 | 311.9 | 294.8 | 276.5 | 255.5 | 235.9 | 217.5 | 209.7 |
| 12.5° | 378.7 | 377.4 | 369.5 | 352.5 | 331.5 | 306.6 | 281.7 | 255.5 | 231.9 | 209.7 | 199.2 |
| 15° | 408.8 | 407.5 | 397.0 | 376.1 | 348.6 | 317.1 | 283.0 | 252.9 | 224.1 | 199.2 | 187.4 |
| 17.5° | 431.1 | 428.5 | 416.7 | 394.4 | 363.0 | 323.7 | 284.3 | 247.7 | 214.9 | 187.4 | 175.6 |
| 20° | 445.5 | 444.2 | 431.1 | 404.9 | 370.8 | 327.6 | 283.0 | 241.1 | 205.7 | 175.6 | 162.5 |
| 22.5° | 454.7 | 452.1 | 439.0 | 410.1 | 370.8 | 326.3 | 277.8 | 231.9 | 193.9 | 163.8 | 150.7 |
| 25° | 457.3 | 456.0 | 440.3 | 408.8 | 366.9 | 319.7 | 269.9 | 222.8 | 182.1 | 152.0 | 138.9 |
| 26° | 457.3 | 456.0 | 440.3 | 407.5 | 364.3 | 315.8 | 266.0 | 218.8 | 178.2 | 146.8 | 135.0 |
| 27.5° | 456.0 | 454.7 | 437.7 | 403.6 | 359.0 | 309.2 | 258.1 | 211.0 | 170.3 | 140.2 | 127.1 |
| 30° | 448.1 | 445.5 | 428.5 | 394.4 | 347.2 | 296.1 | 245.0 | 199.2 | 158.6 | 128.4 | 116.6 |
| 32.5° | 431.1 | 428.5 | 410.1 | 378.7 | 334.1 | 281.7 | 230.6 | 186.1 | 146.8 | 116.6 | 106.1 |
| 35° | 410.1 | 407.5 | 389.2 | 359.0 | 315.8 | 271.2 | 214.9 | 171.7 | 133.7 | 107.4 | 97.0 |
| 37.5° | 383.9 | 380.0 | 364.3 | 332.8 | 293.5 | 259.4 | 201.8 | 157.2 | 121.9 | 97.0 | 87.8 |
| 40° | 351.2 | 349.9 | 335.5 | 306.6 | 267.3 | 238.5 | 193.9 | 157.2 | 111.4 | 87.8 | 79.9 |
| 42.5° | 319.7 | 317.1 | 304.0 | 279.1 | 243.7 | 208.3 | 170.3 | 150.7 | 103.5 | 78.6 | 72.1 |
| 45° | 287.0 | 284.3 | 272.6 | 251.6 | 218.8 | 183.4 | 183.4 | 129.7 | 89.1 | 72.1 | 65.5 |
| 47.5° | 251.6 | 249.0 | 239.8 | 224.1 | 195.2 | 163.8 | 133.7 | 106.1 | 81.2 | 64.2 | 59.0 |
| 50° | 216.2 | 217.5 | 209.7 | 193.9 | 171.7 | 142.8 | 115.3 | 89.1 | 69.4 | 57.7 | 52.4 |
| 52.5° | 180.8 | 179.5 | 174.3 | 163.8 | 148.1 | 123.2 | 98.3 | 76.0 | 60.3 | 51.1 | 48.5 |
| 55° | 145.4 | 146.8 | 144.1 | 137.6 | 124.5 | 106.1 | 82.6 | 65.5 | 53.7 | 45.9 | 43.2 |
| 57.5° | 120.6 | 121.9 | 116.6 | 112.7 | 102.2 | 86.5 | 68.1 | 55.0 | 45.9 | 40.6 | 38.0 |
| 60° | 99.6 | 100.9 | 97.0 | 91.7 | 83.9 | 69.4 | 55.0 | 45.9 | 40.6 | 36.7 | 34.1 |
| 62.5° | 81.2 | 79.9 | 77.3 | 72.1 | 65.5 | 55.0 | 44.6 | 38.0 | 34.1 | 31.4 | 30.1 |
| 65° | 62.9 | 62.9 | 60.3 | 56.3 | 51.1 | 43.2 | 35.4 | 31.4 | 28.8 | 26.2 | 24.9 |
| 67.5° | 47.2 | 47.2 | 44.6 | 41.9 | 36.7 | 31.4 | 27.5 | 24.9 | 23.6 | 21.0 | 19.7 |
| 70° | 32.8 | 32.8 | 31.4 | 30.1 | 26.2 | 22.3 | 21.0 | 18.3 | 17.0 | 15.7 | 14.4 |
| 72.5° | 21.0 | 21.0 | 21.0 | 18.3 | 17.0 | 14.4 | 14.4 | 13.1 | 11.8 | 10.5 | 10.5 |
| 75° | 10.5 | 11.8 | 10.5 | 10.5 | 9.2 | 9.2 | 7.9 | 7.9 | 6.6 | 6.6 | 5.2 |
| 77.5° | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 80° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 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: P1445687

CATALOG NUMBER: P3ART13R709027DE010 E3LSWW1WMH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 | 231.9 |
| 2.5° | 228.0 | 224.1 | 221.4 | 217.5 | 214.9 | 212.3 | 211.0 | 209.7 | 209.7 | 209.7 |
| 5° | 221.4 | 214.9 | 208.3 | 201.8 | 197.9 | 193.9 | 190.0 | 188.7 | 187.4 | 187.4 |
| 7.5° | 213.6 | 203.1 | 193.9 | 186.1 | 179.5 | 175.6 | 171.7 | 169.0 | 167.7 | 167.7 |
| 10° | 203.1 | 190.0 | 179.5 | 169.0 | 162.5 | 157.2 | 154.6 | 150.7 | 150.7 | 149.4 |
| 12.5° | 191.3 | 175.6 | 163.8 | 154.6 | 148.1 | 141.5 | 137.6 | 135.0 | 133.7 | 133.7 |
| 15° | 178.2 | 162.5 | 149.4 | 138.9 | 132.3 | 125.8 | 121.9 | 119.2 | 117.9 | 117.9 |
| 17.5° | 165.1 | 148.1 | 135.0 | 124.5 | 117.9 | 111.4 | 107.4 | 104.8 | 104.8 | 103.5 |
| 20° | 152.0 | 135.0 | 121.9 | 111.4 | 104.8 | 99.6 | 95.7 | 93.0 | 91.7 | 93.0 |
| 22.5° | 140.2 | 123.2 | 110.1 | 100.9 | 93.0 | 87.8 | 83.9 | 82.6 | 81.2 | 81.2 |
| 25° | 127.1 | 111.4 | 99.6 | 90.4 | 83.9 | 78.6 | 74.7 | 73.4 | 72.1 | 70.8 |
| 26° | 123.2 | 107.4 | 95.7 | 86.5 | 79.9 | 74.7 | 72.1 | 69.4 | 68.1 | 68.1 |
| 27.5° | 117.9 | 100.9 | 90.4 | 81.2 | 74.7 | 70.8 | 66.8 | 65.5 | 64.2 | 64.2 |
| 30° | 106.1 | 91.7 | 81.2 | 73.4 | 68.1 | 62.9 | 60.3 | 59.0 | 57.7 | 57.7 |
| 32.5° | 97.0 | 82.6 | 73.4 | 66.8 | 61.6 | 57.7 | 55.0 | 52.4 | 52.4 | 52.4 |
| 35° | 87.8 | 74.7 | 66.8 | 60.3 | 55.0 | 51.1 | 49.8 | 48.5 | 47.2 | 47.2 |
| 37.5° | 79.9 | 68.1 | 60.3 | 55.0 | 51.1 | 47.2 | 44.6 | 43.2 | 43.2 | 43.2 |
| 40° | 72.1 | 62.9 | 55.0 | 49.8 | 45.9 | 43.2 | 40.6 | 39.3 | 39.3 | 39.3 |
| 42.5° | 65.5 | 56.3 | 51.1 | 45.9 | 41.9 | 39.3 | 38.0 | 36.7 | 35.4 | 35.4 |
| 45° | 60.3 | 52.4 | 45.9 | 41.9 | 39.3 | 36.7 | 34.1 | 32.8 | 32.8 | 32.8 |
| 47.5° | 53.7 | 48.5 | 41.9 | 38.0 | 35.4 | 32.8 | 31.4 | 30.1 | 30.1 | 30.1 |
| 50° | 49.8 | 44.6 | 39.3 | 35.4 | 32.8 | 30.1 | 28.8 | 27.5 | 27.5 | 27.5 |
| 52.5° | 44.6 | 40.6 | 36.7 | 32.8 | 30.1 | 27.5 | 26.2 | 24.9 | 24.9 | 24.9 |
| 55° | 40.6 | 36.7 | 32.8 | 30.1 | 27.5 | 24.9 | 23.6 | 22.3 | 22.3 | 22.3 |
| 57.5° | 36.7 | 32.8 | 30.1 | 27.5 | 24.9 | 23.6 | 21.0 | 21.0 | 19.7 | 19.7 |
| 60° | 32.8 | 28.8 | 26.2 | 24.9 | 22.3 | 21.0 | 18.3 | 17.0 | 17.0 | 17.0 |
| 62.5° | 27.5 | 26.2 | 23.6 | 21.0 | 18.3 | 17.0 | 15.7 | 14.4 | 14.4 | 14.4 |
| 65° | 23.6 | 22.3 | 19.7 | 17.0 | 15.7 | 14.4 | 13.1 | 11.8 | 11.8 | 11.8 |
| 67.5° | 19.7 | 17.0 | 15.7 | 14.4 | 13.1 | 11.8 | 10.5 | 9.2 | 7.9 | 9.2 |
| 70° | 14.4 | 13.1 | 11.8 | 10.5 | 9.2 | 7.9 | 6.6 | 6.6 | 5.2 | 5.2 |
| 72.5° | 9.2 | 7.9 | 7.9 | 6.6 | 5.2 | 5.2 | 3.9 | 3.9 | 2.6 | 2.6 |
| 75° | 5.2 | 5.2 | 3.9 | 3.9 | 2.6 | 2.6 | 1.3 | 1.3 | 1.3 | 1.3 |
| 77.5° | 2.6 | 1.3 | 1.3 | 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)