

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: P3ART20R709835D010 E3LCWW1GPH

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: P3ART20R709835D010 E3LCWW1GPH
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3LCWW1GPH TRIM
Light Source: -
Ballast/Driver: -

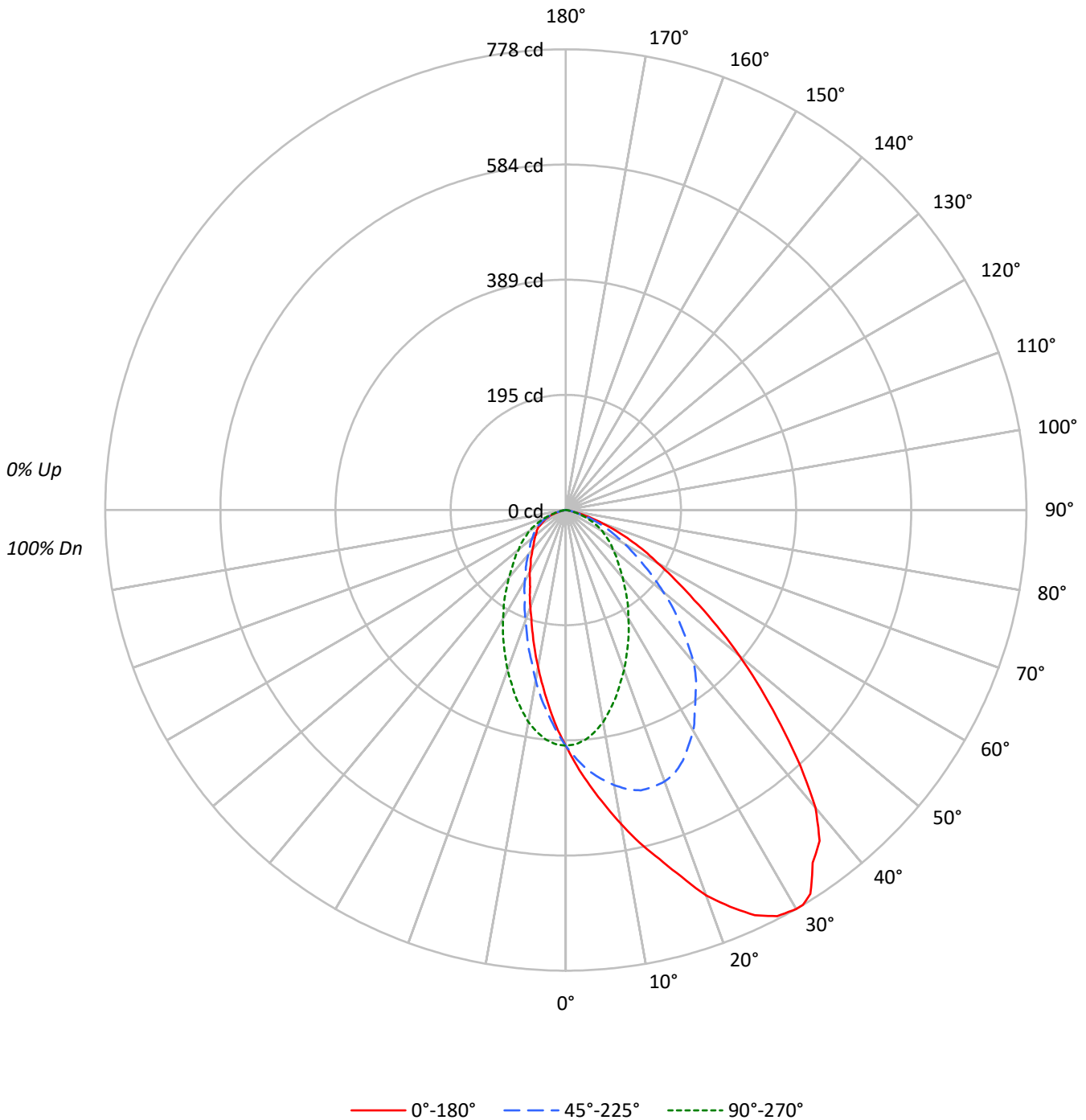
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 810.0 lumens
Efficiency: N/A
Efficacy: 29.6 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): 27.4
Input Voltage (V): NR
Input Current (A_{in}): 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: P3ART20R709835D010 E3LCWW1GPH

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709835D010 E3LCWW1GPH

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 | | |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | |
| 2 | 102 | 95 | 90 | 85 | 100 | 93 | 88 | 84 | 90 | 86 | 82 | 87 | 83 | 80 | 84 | 81 | 78 | 76 | | |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 76 | 72 | 68 | 66 | | |
| 4 | 87 | 77 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 60 | 58 | | |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 59 | 54 | 64 | 58 | 54 | 62 | 57 | 53 | 51 | | |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 54 | 49 | 60 | 53 | 48 | 59 | 53 | 48 | 57 | 52 | 47 | 46 | | |
| 7 | 70 | 57 | 49 | 44 | 68 | 57 | 49 | 44 | 55 | 48 | 43 | 54 | 48 | 43 | 52 | 47 | 43 | 41 | | |
| 8 | 65 | 53 | 45 | 39 | 64 | 52 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 39 | 48 | 43 | 39 | 37 | | |
| 9 | 61 | 49 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 35 | 45 | 39 | 35 | 34 | | |
| 10 | 57 | 45 | 38 | 33 | 56 | 45 | 37 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 36 | 32 | 31 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 87296 | 87296 | 87296 | 87296 | 87296 |
| 5° | 102839 | 97270 | 85604 | 75985 | 72947 |
| 10° | 119904 | 105053 | 80960 | 65085 | 59963 |
| 15° | 138457 | 111283 | 74189 | 54870 | 49104 |
| 20° | 161644 | 113853 | 67136 | 46181 | 40814 |
| 25° | 182648 | 113039 | 60149 | 39535 | 34526 |
| 30° | 196967 | 108979 | 53603 | 34967 | 30891 |
| 35° | 194693 | 102258 | 48051 | 31427 | 27733 |
| 40° | 187752 | 96180 | 42823 | 28339 | 25047 |
| 45° | 159148 | 84939 | 38547 | 26421 | 23537 |
| 50° | 130316 | 73004 | 35342 | 25108 | 22754 |
| 55° | 101196 | 60710 | 33452 | 24620 | 22862 |
| 60° | 78722 | 50478 | 31269 | 24209 | 21183 |
| 65° | 62108 | 41820 | 27448 | 22674 | 20288 |
| 70° | 42764 | 30967 | 22119 | 19170 | 17695 |
| 75° | 21435 | 17538 | 15589 | 13640 | 11692 |
| 80° | 2904 | 5809 | 8713 | 5809 | 2904 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 159148 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 37.2 | 4.6 |
| 10°-20° | 103.7 | 12.8 |
| 20°-30° | 152.9 | 18.9 |
| 30°-40° | 171.4 | 21.2 |
| 40°-50° | 150.7 | 18.6 |
| 50°-60° | 107.8 | 13.3 |
| 60°-70° | 63.8 | 7.9 |
| 70°-80° | 21.4 | 2.6 |
| 80°-90° | 1.0 | 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° | 293.8 | 36.3 |
| 0°-40° | 465.2 | 57.4 |
| 0°-60° | 723.7 | 89.3 |
| 0°-90° | 810.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 810.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 398 | 398 | 398 | 398 | 398 | |
| 5° | 467 | 442 | 389 | 345 | 331 | 47 |
| 15° | 610 | 490 | 327 | 242 | 216 | 176 |
| 25° | 755 | 467 | 249 | 163 | 143 | 347 |
| 35° | 727 | 382 | 180 | 117 | 104 | 457 |
| 45° | 513 | 274 | 124 | 85 | 76 | 397 |
| 55° | 265 | 159 | 88 | 64 | 60 | 242 |
| 65° | 120 | 81 | 53 | 44 | 39 | 120 |
| 75° | 25 | 21 | 18 | 16 | 14 | 31 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709835D010 E3LCWW1GPH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 398.1 | 398.1 | 398.1 | 398.1 | 398.1 | 398.1 | 398.1 | 398.1 | 398.1 | 398.1 | 398.1 |
| 2.5° | 432.7 | 432.7 | 432.7 | 428.1 | 428.1 | 421.2 | 416.6 | 409.7 | 405.1 | 398.1 | 395.8 |
| 5° | 467.2 | 467.2 | 462.6 | 458.0 | 451.1 | 441.9 | 430.4 | 418.9 | 405.1 | 393.5 | 388.9 |
| 7.5° | 501.7 | 504.0 | 497.1 | 487.9 | 474.1 | 458.0 | 441.9 | 423.5 | 402.8 | 386.6 | 377.4 |
| 10° | 538.5 | 538.5 | 529.3 | 515.5 | 494.8 | 471.8 | 446.5 | 421.2 | 395.8 | 372.8 | 363.6 |
| 12.5° | 575.4 | 573.1 | 561.6 | 540.8 | 515.5 | 483.3 | 448.8 | 416.6 | 386.6 | 359.0 | 345.2 |
| 15° | 609.9 | 609.9 | 593.8 | 568.5 | 531.6 | 490.2 | 448.8 | 407.4 | 372.8 | 340.6 | 326.8 |
| 17.5° | 649.0 | 649.0 | 628.3 | 589.2 | 543.1 | 490.2 | 441.9 | 395.8 | 356.7 | 322.2 | 306.1 |
| 20° | 692.7 | 690.4 | 660.5 | 607.6 | 547.7 | 487.9 | 432.7 | 382.0 | 338.3 | 301.5 | 287.7 |
| 22.5° | 725.0 | 722.7 | 688.1 | 623.7 | 550.0 | 481.0 | 416.6 | 363.6 | 319.9 | 283.1 | 267.0 |
| 25° | 754.9 | 750.3 | 711.1 | 630.6 | 545.4 | 467.2 | 400.5 | 342.9 | 301.5 | 264.7 | 248.6 |
| 27.5° | 773.3 | 771.0 | 727.3 | 628.3 | 533.9 | 448.8 | 379.7 | 324.5 | 280.8 | 244.0 | 230.1 |
| 30° | 777.9 | 780.2 | 727.3 | 616.8 | 515.5 | 430.4 | 359.0 | 303.8 | 260.1 | 227.8 | 211.7 |
| 31° | 777.9 | 780.2 | 722.7 | 609.9 | 508.6 | 421.2 | 349.8 | 296.9 | 250.9 | 218.6 | 204.8 |
| 32.5° | 768.7 | 764.1 | 715.7 | 598.4 | 492.5 | 405.1 | 338.3 | 285.4 | 239.3 | 207.1 | 195.6 |
| 35° | 727.3 | 729.6 | 692.7 | 573.1 | 469.5 | 382.0 | 315.3 | 262.4 | 218.6 | 191.0 | 179.5 |
| 37.5° | 704.2 | 704.2 | 637.5 | 538.5 | 444.2 | 361.3 | 287.7 | 237.0 | 200.2 | 174.9 | 163.4 |
| 40° | 655.9 | 649.0 | 586.9 | 501.7 | 414.3 | 336.0 | 271.6 | 220.9 | 184.1 | 158.8 | 149.6 |
| 42.5° | 586.9 | 580.0 | 531.6 | 469.5 | 375.1 | 303.8 | 257.8 | 195.6 | 165.7 | 145.0 | 135.8 |
| 45° | 513.2 | 508.6 | 471.8 | 414.3 | 338.3 | 273.9 | 223.2 | 179.5 | 151.9 | 131.2 | 124.3 |
| 47.5° | 446.5 | 439.6 | 412.0 | 368.2 | 306.1 | 246.3 | 193.3 | 161.1 | 135.8 | 119.7 | 115.1 |
| 50° | 382.0 | 379.7 | 356.7 | 322.2 | 271.6 | 214.0 | 170.3 | 142.7 | 124.3 | 110.5 | 103.6 |
| 52.5° | 322.2 | 317.6 | 306.1 | 278.5 | 237.0 | 186.4 | 149.6 | 126.6 | 110.5 | 101.3 | 96.7 |
| 55° | 264.7 | 264.7 | 253.2 | 234.7 | 202.5 | 158.8 | 131.2 | 112.8 | 99.0 | 92.1 | 87.5 |
| 57.5° | 218.6 | 218.6 | 209.4 | 197.9 | 168.0 | 135.8 | 115.1 | 99.0 | 89.8 | 82.9 | 78.2 |
| 60° | 179.5 | 179.5 | 172.6 | 161.1 | 140.4 | 115.1 | 99.0 | 87.5 | 80.6 | 73.6 | 71.3 |
| 62.5° | 149.6 | 147.3 | 142.7 | 131.2 | 115.1 | 96.7 | 85.2 | 75.9 | 69.0 | 64.4 | 62.1 |
| 65° | 119.7 | 117.4 | 112.8 | 103.6 | 92.1 | 80.6 | 71.3 | 64.4 | 59.8 | 55.2 | 52.9 |
| 67.5° | 92.1 | 92.1 | 87.5 | 80.6 | 71.3 | 64.4 | 57.5 | 52.9 | 48.3 | 46.0 | 43.7 |
| 70° | 66.7 | 66.7 | 64.4 | 59.8 | 52.9 | 48.3 | 43.7 | 41.4 | 39.1 | 36.8 | 34.5 |
| 72.5° | 46.0 | 46.0 | 43.7 | 41.4 | 36.8 | 34.5 | 29.9 | 29.9 | 27.6 | 27.6 | 25.3 |
| 75° | 25.3 | 25.3 | 25.3 | 23.0 | 23.0 | 20.7 | 20.7 | 20.7 | 18.4 | 18.4 | 18.4 |
| 77.5° | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 |
| 80° | 2.3 | 2.3 | 2.3 | 2.3 | 4.6 | 4.6 | 4.6 | 4.6 | 6.9 | 6.9 | 6.9 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 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#
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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 398.1 | 398.1 | 398.1 | 398.1 | 398.1 | 398.1 | 398.1 | 398.1 | 398.1 | 398.1 |
| 2.5° | 393.5 | 386.6 | 382.0 | 379.7 | 372.8 | 370.5 | 368.2 | 365.9 | 365.9 | 365.9 |
| 5° | 384.3 | 372.8 | 361.3 | 354.4 | 345.2 | 340.6 | 336.0 | 333.7 | 331.4 | 331.4 |
| 7.5° | 368.2 | 354.4 | 340.6 | 329.1 | 319.9 | 310.7 | 306.1 | 301.5 | 301.5 | 299.2 |
| 10° | 352.1 | 333.7 | 317.6 | 301.5 | 292.3 | 280.8 | 276.2 | 271.6 | 269.3 | 269.3 |
| 12.5° | 333.7 | 310.7 | 292.3 | 278.5 | 264.7 | 255.5 | 248.6 | 244.0 | 241.7 | 241.7 |
| 15° | 313.0 | 290.0 | 269.3 | 255.5 | 241.7 | 230.1 | 223.2 | 218.6 | 216.3 | 216.3 |
| 17.5° | 292.3 | 269.3 | 246.3 | 232.4 | 218.6 | 207.1 | 202.5 | 197.9 | 195.6 | 193.3 |
| 20° | 273.9 | 246.3 | 227.8 | 209.4 | 197.9 | 188.7 | 181.8 | 177.2 | 174.9 | 174.9 |
| 22.5° | 253.2 | 227.8 | 207.1 | 193.3 | 181.8 | 172.6 | 163.4 | 161.1 | 158.8 | 158.8 |
| 25° | 232.4 | 209.4 | 191.0 | 177.2 | 163.4 | 156.5 | 149.6 | 145.0 | 145.0 | 142.7 |
| 27.5° | 216.3 | 193.3 | 174.9 | 161.1 | 151.9 | 142.7 | 138.1 | 133.5 | 131.2 | 131.2 |
| 30° | 197.9 | 177.2 | 161.1 | 149.6 | 138.1 | 131.2 | 126.6 | 122.0 | 122.0 | 122.0 |
| 31° | 193.3 | 172.6 | 156.5 | 142.7 | 133.5 | 126.6 | 122.0 | 119.7 | 117.4 | 117.4 |
| 32.5° | 181.8 | 163.4 | 147.3 | 135.8 | 126.6 | 119.7 | 115.1 | 112.8 | 112.8 | 110.5 |
| 35° | 168.0 | 149.6 | 135.8 | 124.3 | 117.4 | 110.5 | 105.9 | 103.6 | 103.6 | 103.6 |
| 37.5° | 154.2 | 138.1 | 124.3 | 115.1 | 108.2 | 101.3 | 99.0 | 94.4 | 94.4 | 94.4 |
| 40° | 140.4 | 126.6 | 115.1 | 105.9 | 99.0 | 94.4 | 92.1 | 89.8 | 87.5 | 87.5 |
| 42.5° | 128.9 | 115.1 | 105.9 | 99.0 | 92.1 | 87.5 | 85.2 | 82.9 | 82.9 | 80.6 |
| 45° | 117.4 | 105.9 | 99.0 | 92.1 | 85.2 | 82.9 | 80.6 | 78.2 | 75.9 | 75.9 |
| 47.5° | 108.2 | 99.0 | 89.8 | 85.2 | 80.6 | 75.9 | 73.6 | 73.6 | 71.3 | 71.3 |
| 50° | 99.0 | 89.8 | 82.9 | 78.2 | 73.6 | 71.3 | 69.0 | 69.0 | 66.7 | 66.7 |
| 52.5° | 92.1 | 82.9 | 78.2 | 73.6 | 69.0 | 66.7 | 64.4 | 64.4 | 62.1 | 62.1 |
| 55° | 82.9 | 75.9 | 71.3 | 69.0 | 64.4 | 62.1 | 59.8 | 57.5 | 57.5 | 59.8 |
| 57.5° | 75.9 | 71.3 | 66.7 | 64.4 | 59.8 | 57.5 | 55.2 | 55.2 | 52.9 | 55.2 |
| 60° | 69.0 | 64.4 | 59.8 | 57.5 | 55.2 | 52.9 | 50.6 | 48.3 | 48.3 | 48.3 |
| 62.5° | 62.1 | 57.5 | 55.2 | 50.6 | 48.3 | 48.3 | 46.0 | 46.0 | 46.0 | 43.7 |
| 65° | 52.9 | 50.6 | 48.3 | 46.0 | 43.7 | 41.4 | 41.4 | 39.1 | 39.1 | 39.1 |
| 67.5° | 43.7 | 41.4 | 39.1 | 39.1 | 36.8 | 34.5 | 34.5 | 34.5 | 34.5 | 32.2 |
| 70° | 34.5 | 32.2 | 32.2 | 29.9 | 29.9 | 29.9 | 27.6 | 27.6 | 27.6 | 27.6 |
| 72.5° | 25.3 | 25.3 | 23.0 | 23.0 | 23.0 | 23.0 | 20.7 | 20.7 | 20.7 | 20.7 |
| 75° | 18.4 | 18.4 | 18.4 | 16.1 | 16.1 | 16.1 | 13.8 | 13.8 | 13.8 | 13.8 |
| 77.5° | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 |
| 80° | 6.9 | 6.9 | 6.9 | 6.9 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 2.3 |
| 82.5° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 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)