

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: P1446310

Luminaire Tested: P3ART09R709050DE010 E3LSWW1WH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446310
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: P3ART09R709050DE010 E3LSWW1WH
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3LSWW1WH TRIM
Light Source: -
Ballast/Driver: -

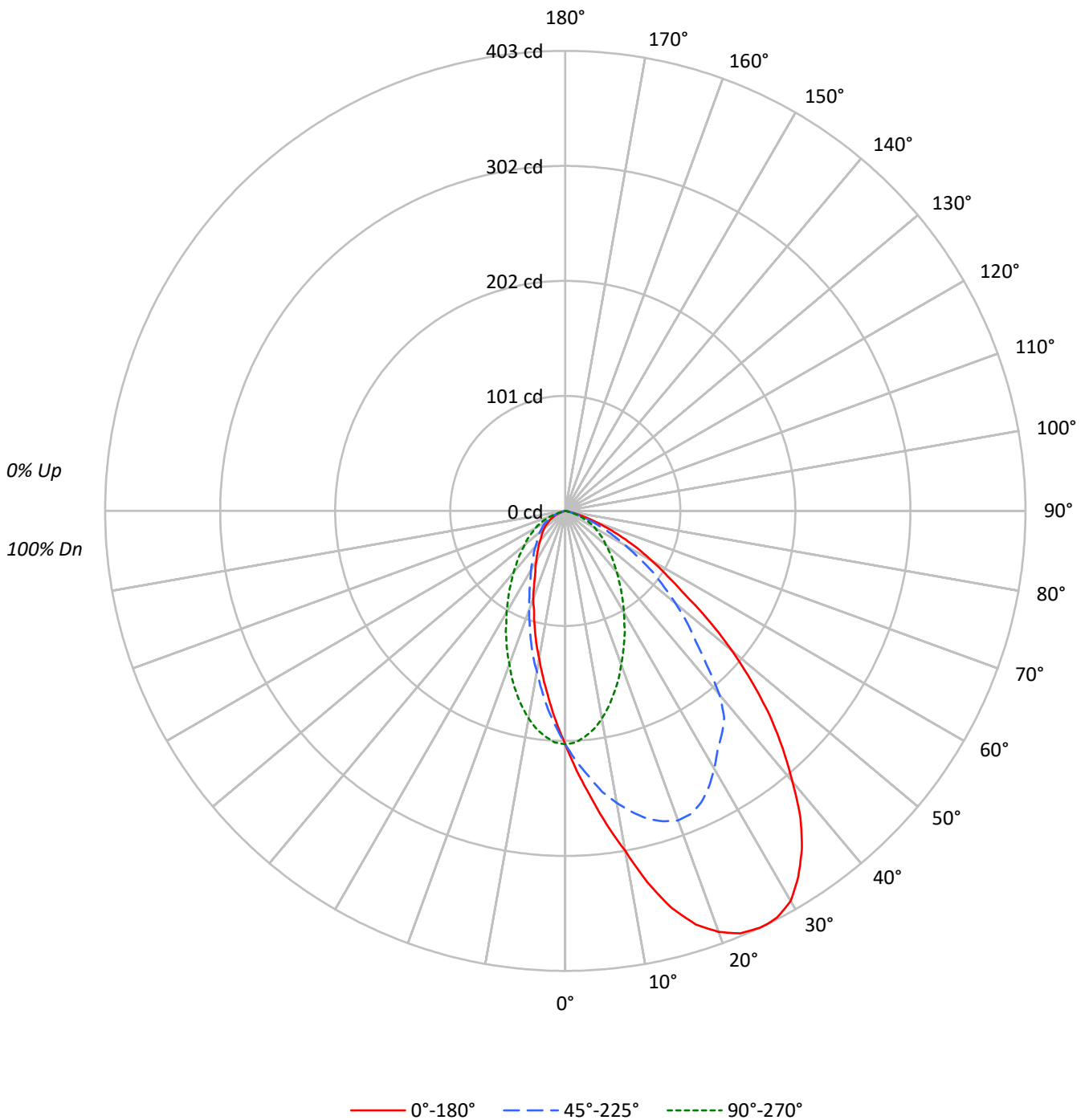
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 407.0 lumens
Efficiency: N/A
Efficacy: 36.7 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): 11.1
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: P1446310
CATALOG NUMBER: P3ART09R709050DE010 E3LSWW1WH

Luminous Intensity Polar Plot





TEST NUMBER: P1446310
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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 | 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° | 44799 | 44799 | 44799 | 44799 | 44799 |
| 5° | 55140 | 51332 | 43693 | 38367 | 36342 |
| 10° | 67333 | 57826 | 41126 | 31863 | 29303 |
| 15° | 81771 | 63428 | 37480 | 26470 | 23587 |
| 20° | 91591 | 67346 | 33393 | 21539 | 19135 |
| 25° | 97481 | 68157 | 29615 | 17880 | 15073 |
| 30° | 99965 | 66061 | 26004 | 15192 | 12863 |
| 35° | 96717 | 63978 | 22861 | 12983 | 11136 |
| 40° | 88566 | 60141 | 20152 | 11565 | 9904 |
| 45° | 78396 | 50114 | 17893 | 10730 | 8962 |
| 50° | 64987 | 42915 | 15761 | 9859 | 8256 |
| 55° | 48973 | 35745 | 14566 | 9252 | 7493 |
| 60° | 38462 | 26840 | 13157 | 8596 | 6578 |
| 65° | 28745 | 19769 | 11363 | 7212 | 5396 |
| 70° | 18529 | 12566 | 8142 | 5193 | 2949 |
| 75° | 7795 | 6863 | 3897 | 1949 | 1017 |
| 80° | 1515 | 1515 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 78396 cd/sqm



TEST NUMBER: P1446310
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 19.4 | 4.8 |
| 10°-20° | 55.8 | 13.7 |
| 20°-30° | 81.6 | 20.0 |
| 30°-40° | 88.9 | 21.8 |
| 40°-50° | 76.9 | 18.9 |
| 50°-60° | 51.5 | 12.7 |
| 60°-70° | 26.6 | 6.5 |
| 70°-80° | 6.3 | 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° | 156.7 | 38.5 |
| 0°-40° | 245.6 | 60.3 |
| 0°-60° | 374.0 | 91.9 |
| 0°-90° | 407.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 407.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 204 | 204 | 204 | 204 | 204 | |
| 5° | 250 | 233 | 198 | 174 | 165 | 26 |
| 15° | 360 | 279 | 165 | 117 | 104 | 102 |
| 25° | 403 | 282 | 122 | 74 | 62 | 185 |
| 35° | 361 | 239 | 85 | 48 | 42 | 224 |
| 45° | 253 | 162 | 58 | 35 | 29 | 194 |
| 55° | 128 | 94 | 38 | 24 | 20 | 119 |
| 65° | 55 | 38 | 22 | 14 | 10 | 56 |
| 75° | 9 | 8 | 5 | 2 | 1 | 12 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446310
 CATALOG NUMBER: P3ART09R709050DE010 E3LSWW1WH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 204.3 | 204.3 | 204.3 | 204.3 | 204.3 | 204.3 | 204.3 | 204.3 | 204.3 | 204.3 | 204.3 |
| 2.5° | 227.4 | 226.3 | 226.3 | 223.9 | 221.6 | 219.3 | 215.9 | 212.4 | 208.9 | 205.5 | 203.2 |
| 5° | 250.5 | 251.7 | 250.5 | 245.9 | 240.1 | 233.2 | 226.3 | 218.2 | 210.1 | 203.2 | 198.5 |
| 7.5° | 277.0 | 277.0 | 273.6 | 267.8 | 259.7 | 248.2 | 236.6 | 222.8 | 210.1 | 198.5 | 192.8 |
| 10° | 302.4 | 302.4 | 296.7 | 287.4 | 274.7 | 259.7 | 243.6 | 225.1 | 207.8 | 191.6 | 184.7 |
| 12.5° | 333.6 | 332.5 | 325.5 | 310.5 | 292.1 | 270.1 | 248.2 | 225.1 | 204.3 | 184.7 | 175.5 |
| 15° | 360.2 | 359.0 | 349.8 | 331.3 | 307.1 | 279.4 | 249.3 | 222.8 | 197.4 | 175.5 | 165.1 |
| 17.5° | 379.8 | 377.5 | 367.1 | 347.5 | 319.8 | 285.1 | 250.5 | 218.2 | 189.3 | 165.1 | 154.7 |
| 20° | 392.5 | 391.3 | 379.8 | 356.7 | 326.7 | 288.6 | 249.3 | 212.4 | 181.2 | 154.7 | 143.1 |
| 22.5° | 400.6 | 398.3 | 386.7 | 361.3 | 326.7 | 287.4 | 244.7 | 204.3 | 170.8 | 144.3 | 132.8 |
| 25° | 402.9 | 401.7 | 387.9 | 360.2 | 323.2 | 281.7 | 237.8 | 196.2 | 160.5 | 133.9 | 122.4 |
| 26° | 402.9 | 401.7 | 387.9 | 359.0 | 320.9 | 278.2 | 234.3 | 192.8 | 157.0 | 129.3 | 118.9 |
| 27.5° | 401.7 | 400.6 | 385.6 | 355.5 | 316.3 | 272.4 | 227.4 | 185.9 | 150.1 | 123.5 | 112.0 |
| 30° | 394.8 | 392.5 | 377.5 | 347.5 | 305.9 | 260.9 | 215.9 | 175.5 | 139.7 | 113.1 | 102.7 |
| 32.5° | 379.8 | 377.5 | 361.3 | 333.6 | 294.4 | 248.2 | 203.2 | 163.9 | 129.3 | 102.7 | 93.5 |
| 35° | 361.3 | 359.0 | 342.8 | 316.3 | 278.2 | 239.0 | 189.3 | 151.2 | 117.7 | 94.7 | 85.4 |
| 37.5° | 338.2 | 334.8 | 320.9 | 293.2 | 258.6 | 228.6 | 177.8 | 138.5 | 107.4 | 85.4 | 77.3 |
| 40° | 309.4 | 308.2 | 295.5 | 270.1 | 235.5 | 210.1 | 170.8 | 138.5 | 98.1 | 77.3 | 70.4 |
| 42.5° | 281.7 | 279.4 | 267.8 | 245.9 | 214.7 | 183.5 | 150.1 | 132.8 | 91.2 | 69.3 | 63.5 |
| 45° | 252.8 | 250.5 | 240.1 | 221.6 | 192.8 | 161.6 | 161.6 | 114.3 | 78.5 | 63.5 | 57.7 |
| 47.5° | 221.6 | 219.3 | 211.2 | 197.4 | 172.0 | 144.3 | 117.7 | 93.5 | 71.6 | 56.6 | 51.9 |
| 50° | 190.5 | 191.6 | 184.7 | 170.8 | 151.2 | 125.8 | 101.6 | 78.5 | 61.2 | 50.8 | 46.2 |
| 52.5° | 159.3 | 158.1 | 153.5 | 144.3 | 130.4 | 108.5 | 86.6 | 67.0 | 53.1 | 45.0 | 42.7 |
| 55° | 128.1 | 129.3 | 127.0 | 121.2 | 109.7 | 93.5 | 72.7 | 57.7 | 47.3 | 40.4 | 38.1 |
| 57.5° | 106.2 | 107.4 | 102.7 | 99.3 | 90.0 | 76.2 | 60.0 | 48.5 | 40.4 | 35.8 | 33.5 |
| 60° | 87.7 | 88.9 | 85.4 | 80.8 | 73.9 | 61.2 | 48.5 | 40.4 | 35.8 | 32.3 | 30.0 |
| 62.5° | 71.6 | 70.4 | 68.1 | 63.5 | 57.7 | 48.5 | 39.2 | 33.5 | 30.0 | 27.7 | 26.6 |
| 65° | 55.4 | 55.4 | 53.1 | 49.6 | 45.0 | 38.1 | 31.2 | 27.7 | 25.4 | 23.1 | 21.9 |
| 67.5° | 41.6 | 41.6 | 39.2 | 36.9 | 32.3 | 27.7 | 24.2 | 21.9 | 20.8 | 18.5 | 17.3 |
| 70° | 28.9 | 28.9 | 27.7 | 26.6 | 23.1 | 19.6 | 18.5 | 16.2 | 15.0 | 13.9 | 12.7 |
| 72.5° | 18.5 | 18.5 | 18.5 | 16.2 | 15.0 | 12.7 | 12.7 | 11.5 | 10.4 | 9.2 | 9.2 |
| 75° | 9.2 | 10.4 | 9.2 | 9.2 | 8.1 | 8.1 | 6.9 | 6.9 | 5.8 | 5.8 | 4.6 |
| 77.5° | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 80° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 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: P1446310
 CATALOG NUMBER: P3ART09R709050DE010 E3LSWW1WH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 204.3 | 204.3 | 204.3 | 204.3 | 204.3 | 204.3 | 204.3 | 204.3 | 204.3 | 204.3 |
| 2.5° | 200.9 | 197.4 | 195.1 | 191.6 | 189.3 | 187.0 | 185.9 | 184.7 | 184.7 | 184.7 |
| 5° | 195.1 | 189.3 | 183.5 | 177.8 | 174.3 | 170.8 | 167.4 | 166.2 | 165.1 | 165.1 |
| 7.5° | 188.2 | 178.9 | 170.8 | 163.9 | 158.1 | 154.7 | 151.2 | 148.9 | 147.8 | 147.8 |
| 10° | 178.9 | 167.4 | 158.1 | 148.9 | 143.1 | 138.5 | 136.2 | 132.8 | 132.8 | 131.6 |
| 12.5° | 168.5 | 154.7 | 144.3 | 136.2 | 130.4 | 124.7 | 121.2 | 118.9 | 117.7 | 117.7 |
| 15° | 157.0 | 143.1 | 131.6 | 122.4 | 116.6 | 110.8 | 107.4 | 105.0 | 103.9 | 103.9 |
| 17.5° | 145.4 | 130.4 | 118.9 | 109.7 | 103.9 | 98.1 | 94.7 | 92.3 | 92.3 | 91.2 |
| 20° | 133.9 | 118.9 | 107.4 | 98.1 | 92.3 | 87.7 | 84.3 | 82.0 | 80.8 | 82.0 |
| 22.5° | 123.5 | 108.5 | 97.0 | 88.9 | 82.0 | 77.3 | 73.9 | 72.7 | 71.6 | 71.6 |
| 25° | 112.0 | 98.1 | 87.7 | 79.7 | 73.9 | 69.3 | 65.8 | 64.6 | 63.5 | 62.3 |
| 26° | 108.5 | 94.7 | 84.3 | 76.2 | 70.4 | 65.8 | 63.5 | 61.2 | 60.0 | 60.0 |
| 27.5° | 103.9 | 88.9 | 79.7 | 71.6 | 65.8 | 62.3 | 58.9 | 57.7 | 56.6 | 56.6 |
| 30° | 93.5 | 80.8 | 71.6 | 64.6 | 60.0 | 55.4 | 53.1 | 51.9 | 50.8 | 50.8 |
| 32.5° | 85.4 | 72.7 | 64.6 | 58.9 | 54.3 | 50.8 | 48.5 | 46.2 | 46.2 | 46.2 |
| 35° | 77.3 | 65.8 | 58.9 | 53.1 | 48.5 | 45.0 | 43.9 | 42.7 | 41.6 | 41.6 |
| 37.5° | 70.4 | 60.0 | 53.1 | 48.5 | 45.0 | 41.6 | 39.2 | 38.1 | 38.1 | 38.1 |
| 40° | 63.5 | 55.4 | 48.5 | 43.9 | 40.4 | 38.1 | 35.8 | 34.6 | 34.6 | 34.6 |
| 42.5° | 57.7 | 49.6 | 45.0 | 40.4 | 36.9 | 34.6 | 33.5 | 32.3 | 31.2 | 31.2 |
| 45° | 53.1 | 46.2 | 40.4 | 36.9 | 34.6 | 32.3 | 30.0 | 28.9 | 28.9 | 28.9 |
| 47.5° | 47.3 | 42.7 | 36.9 | 33.5 | 31.2 | 28.9 | 27.7 | 26.6 | 26.6 | 26.6 |
| 50° | 43.9 | 39.2 | 34.6 | 31.2 | 28.9 | 26.6 | 25.4 | 24.2 | 24.2 | 24.2 |
| 52.5° | 39.2 | 35.8 | 32.3 | 28.9 | 26.6 | 24.2 | 23.1 | 21.9 | 21.9 | 21.9 |
| 55° | 35.8 | 32.3 | 28.9 | 26.6 | 24.2 | 21.9 | 20.8 | 19.6 | 19.6 | 19.6 |
| 57.5° | 32.3 | 28.9 | 26.6 | 24.2 | 21.9 | 20.8 | 18.5 | 18.5 | 17.3 | 17.3 |
| 60° | 28.9 | 25.4 | 23.1 | 21.9 | 19.6 | 18.5 | 16.2 | 15.0 | 15.0 | 15.0 |
| 62.5° | 24.2 | 23.1 | 20.8 | 18.5 | 16.2 | 15.0 | 13.9 | 12.7 | 12.7 | 12.7 |
| 65° | 20.8 | 19.6 | 17.3 | 15.0 | 13.9 | 12.7 | 11.5 | 10.4 | 10.4 | 10.4 |
| 67.5° | 17.3 | 15.0 | 13.9 | 12.7 | 11.5 | 10.4 | 9.2 | 8.1 | 6.9 | 8.1 |
| 70° | 12.7 | 11.5 | 10.4 | 9.2 | 8.1 | 6.9 | 5.8 | 5.8 | 4.6 | 4.6 |
| 72.5° | 8.1 | 6.9 | 6.9 | 5.8 | 4.6 | 4.6 | 3.5 | 3.5 | 2.3 | 2.3 |
| 75° | 4.6 | 4.6 | 3.5 | 3.5 | 2.3 | 2.3 | 1.2 | 1.2 | 1.2 | 1.2 |
| 77.5° | 2.3 | 1.2 | 1.2 | 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)