

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: PORTFOLIO

Report Number: P1306699

Luminaire Tested: LDSQA3D02R459024DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R459024DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

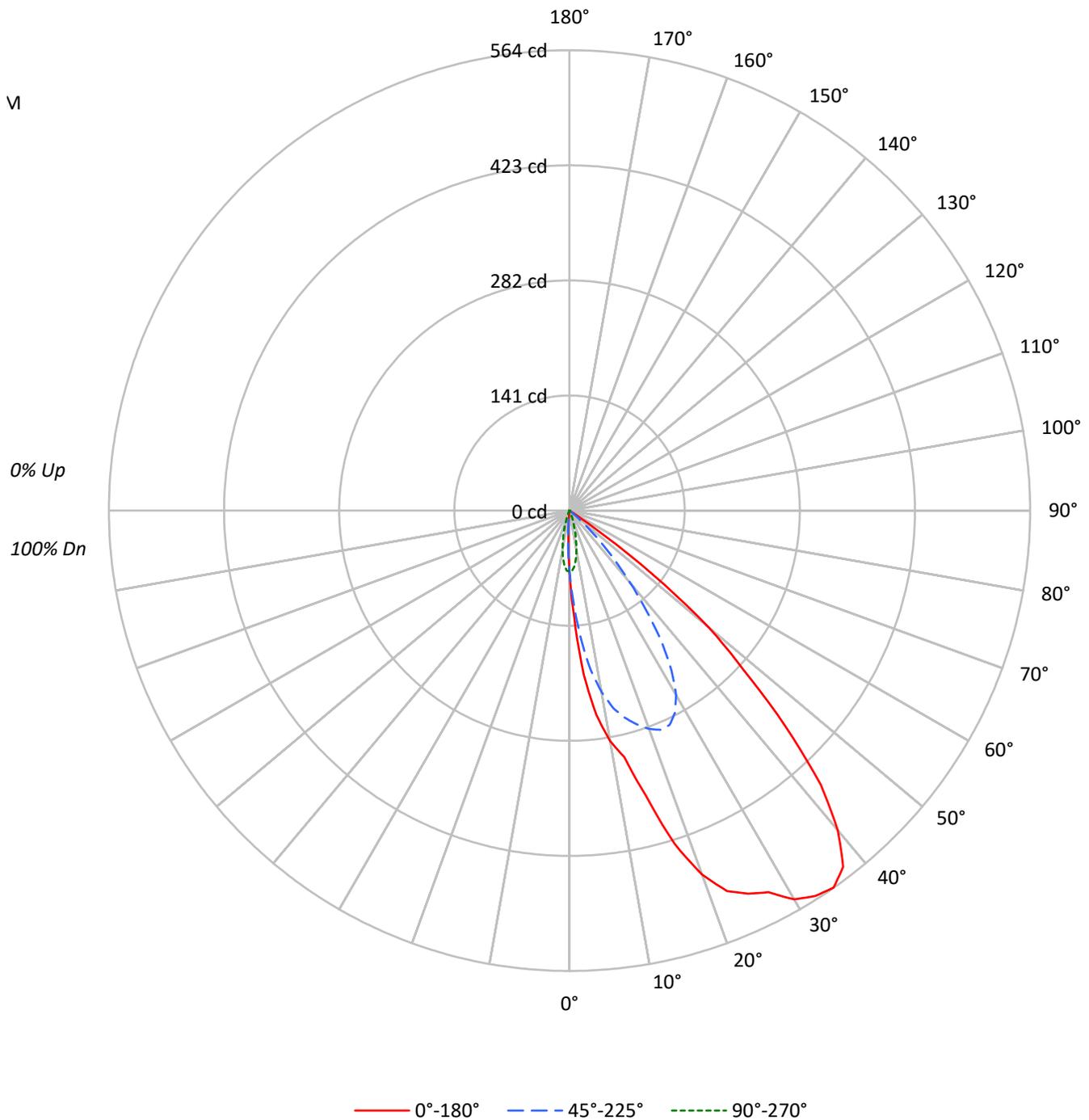
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 239.0 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|
| RF | 20 | | | | 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 |
| 1 | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 94 | 93 | 91 | | | | 91 |
| 2 | 106 | 100 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 91 | 88 | 92 | 89 | 86 | 89 | 86 | 84 | 82 | | | | 82 |
| 3 | 99 | 91 | 85 | 80 | 97 | 90 | 84 | 80 | 87 | 82 | 78 | 84 | 80 | 77 | 82 | 79 | 76 | 74 | | | | 74 |
| 4 | 92 | 83 | 76 | 71 | 90 | 82 | 76 | 71 | 80 | 74 | 70 | 78 | 73 | 69 | 76 | 72 | 68 | 67 | | | | 67 |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 68 | 63 | 73 | 67 | 63 | 71 | 66 | 62 | 70 | 65 | 62 | 60 | | | | 60 |
| 6 | 80 | 70 | 62 | 57 | 79 | 69 | 62 | 57 | 67 | 61 | 57 | 66 | 60 | 56 | 64 | 59 | 56 | 54 | | | | 54 |
| 7 | 75 | 64 | 57 | 52 | 74 | 63 | 56 | 51 | 62 | 56 | 51 | 61 | 55 | 51 | 59 | 54 | 51 | 49 | | | | 49 |
| 8 | 70 | 59 | 52 | 47 | 69 | 58 | 51 | 47 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 44 | | | | 44 |
| 9 | 66 | 54 | 47 | 43 | 65 | 54 | 47 | 42 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 40 | | | | 40 |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 39 | 48 | 42 | 38 | 47 | 42 | 38 | 37 | | | | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|-------|-------|-------|
| 0° | 12779 | 12779 | 12779 | 12779 | 12779 |
| 5° | 34905 | 26848 | 11825 | 2368 | 882 |
| 10° | 50120 | 39400 | 8552 | 227 | 192 |
| 15° | 64526 | 46857 | 4547 | 71 | 0 |
| 20° | 86964 | 52142 | 1723 | 0 | 0 |
| 25° | 98377 | 55070 | 456 | 0 | 0 |
| 30° | 109336 | 51924 | 40 | 0 | 0 |
| 35° | 118536 | 41397 | 0 | 0 | 0 |
| 40° | 114883 | 25989 | 0 | 0 | 0 |
| 45° | 91067 | 12373 | 0 | 0 | 0 |
| 50° | 59615 | 1554 | 0 | 0 | 0 |
| 55° | 10239 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 69 | 0 | 0 |
| 65° | 0 | 82 | 82 | 0 | 0 |
| 70° | 0 | 101 | 201 | 0 | 0 |
| 75° | 0 | 133 | 266 | 0 | 0 |
| 80° | 0 | 198 | 397 | 198 | 0 |
| 85° | 0 | 395 | 790 | 395 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 91067 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 8.8 | 3.7 |
| 10°-20° | 34.0 | 14.2 |
| 20°-30° | 63.7 | 26.7 |
| 30°-40° | 74.4 | 31.1 |
| 40°-50° | 48.5 | 20.3 |
| 50°-60° | 9.0 | 3.8 |
| 60°-70° | 0.1 | 0.0 |
| 70°-80° | 0.2 | 0.1 |
| 80°-90° | 0.2 | 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° | 106.6 | 44.6 |
| 0°-40° | 181.0 | 75.8 |
| 0°-60° | 238.5 | 99.8 |
| 0°-90° | 239.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 239.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 74 | 74 | 74 | 74 | 74 | |
| 5° | 202 | 155 | 68 | 14 | 5 | 22 |
| 15° | 362 | 263 | 26 | 0 | 0 | 108 |
| 25° | 518 | 290 | 2 | 0 | 0 | 239 |
| 35° | 564 | 197 | 0 | 0 | 0 | 346 |
| 45° | 374 | 51 | 0 | 0 | 0 | 284 |
| 55° | 34 | 0 | 0 | 0 | 0 | 59 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1306699
 CATALOG NUMBER: LDSQA3D02R459024DE010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 2.5° | 130.9 | 131.9 | 129.8 | 128.9 | 126.1 | 126.8 | 122.1 | 120.1 | 117.1 | 112.2 | 109.8 |
| 5° | 201.9 | 199.9 | 198.2 | 194.6 | 192.4 | 186.6 | 180.2 | 172.9 | 164.1 | 155.3 | 145.2 |
| 7.5° | 252.5 | 251.0 | 250.4 | 247.4 | 243.1 | 237.1 | 228.7 | 219.5 | 208.1 | 196.3 | 181.1 |
| 10° | 286.6 | 285.1 | 282.5 | 279.5 | 276.1 | 271.2 | 263.0 | 252.9 | 240.5 | 225.3 | 207.4 |
| 12.5° | 308.9 | 308.7 | 304.4 | 301.0 | 296.7 | 292.4 | 284.0 | 275.9 | 263.7 | 248.0 | 227.8 |
| 15° | 361.9 | 358.5 | 352.9 | 343.2 | 331.2 | 320.1 | 306.6 | 293.7 | 280.4 | 262.8 | 240.3 |
| 17.5° | 428.0 | 424.1 | 414.7 | 402.5 | 383.1 | 361.9 | 338.7 | 318.4 | 298.4 | 274.6 | 248.0 |
| 20° | 474.5 | 473.0 | 465.1 | 450.9 | 430.3 | 402.2 | 371.8 | 343.0 | 314.9 | 284.5 | 251.6 |
| 22.5° | 504.4 | 503.5 | 500.3 | 490.6 | 469.6 | 438.1 | 398.8 | 360.2 | 326.3 | 290.7 | 250.6 |
| 25° | 517.7 | 518.7 | 519.2 | 514.4 | 497.5 | 465.3 | 418.8 | 373.3 | 332.7 | 289.8 | 242.4 |
| 27.5° | 527.1 | 527.1 | 528.8 | 526.7 | 509.5 | 475.6 | 426.5 | 377.8 | 330.6 | 279.3 | 225.3 |
| 30° | 549.8 | 549.4 | 550.5 | 544.7 | 520.9 | 478.8 | 423.1 | 370.5 | 318.4 | 261.1 | 200.6 |
| 32.5° | 559.7 | 560.1 | 559.9 | 550.7 | 523.0 | 476.7 | 414.7 | 356.5 | 295.8 | 232.5 | 168.0 |
| 35° | 563.8 | 561.9 | 553.9 | 532.9 | 497.9 | 448.2 | 391.1 | 332.9 | 264.3 | 196.9 | 132.6 |
| 37.5° | 550.3 | 544.7 | 527.1 | 498.4 | 455.7 | 407.8 | 352.0 | 290.7 | 222.5 | 154.5 | 99.8 |
| 40° | 511.0 | 503.7 | 481.6 | 446.9 | 407.8 | 364.7 | 305.9 | 241.1 | 174.0 | 115.6 | 69.9 |
| 42.5° | 455.4 | 447.1 | 423.3 | 393.0 | 357.4 | 312.1 | 253.6 | 188.8 | 127.4 | 79.8 | 44.4 |
| 45° | 373.9 | 369.2 | 355.5 | 329.9 | 295.0 | 248.0 | 194.4 | 137.7 | 88.2 | 50.8 | 22.7 |
| 47.5° | 289.2 | 283.2 | 273.3 | 255.7 | 226.5 | 181.9 | 136.0 | 93.5 | 56.6 | 25.1 | 4.7 |
| 50° | 222.5 | 215.4 | 203.4 | 183.9 | 153.4 | 121.4 | 88.2 | 58.4 | 28.7 | 5.8 | 0.2 |
| 52.5° | 128.1 | 129.6 | 123.8 | 111.3 | 94.4 | 72.7 | 51.1 | 29.4 | 6.4 | 0.2 | 0.0 |
| 55° | 34.1 | 36.9 | 36.0 | 38.8 | 34.1 | 28.7 | 21.2 | 5.6 | 0.4 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.2 | 0.4 | 1.3 | 1.9 | 0.6 | 0.2 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-------|-------|------|--------|------|--------|------|
| 0° | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 2.5° | 104.5 | 100.0 | 94.4 | 73.8 | 55.6 | 39.9 | 31.1 | 28.7 |
| 5° | 135.6 | 124.6 | 110.5 | 68.4 | 34.3 | 13.7 | 6.2 | 5.1 |
| 7.5° | 165.0 | 148.9 | 123.4 | 59.9 | 17.4 | 3.4 | 1.7 | 1.5 |
| 10° | 187.7 | 166.0 | 132.8 | 48.9 | 6.4 | 1.3 | 1.1 | 1.1 |
| 12.5° | 203.4 | 177.0 | 136.2 | 37.1 | 2.4 | 0.6 | 0.6 | 0.4 |
| 15° | 212.4 | 181.3 | 133.0 | 25.5 | 0.9 | 0.4 | 0.0 | 0.0 |
| 17.5° | 215.2 | 179.6 | 124.4 | 16.1 | 0.2 | 0.0 | 0.0 | 0.0 |
| 20° | 212.8 | 171.2 | 110.9 | 9.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22.5° | 205.1 | 158.1 | 94.6 | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25° | 190.7 | 139.7 | 75.5 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.5° | 167.3 | 115.8 | 56.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 140.7 | 90.3 | 40.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 109.8 | 66.5 | 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 82.6 | 46.6 | 15.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 57.5 | 29.4 | 8.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 35.8 | 15.9 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 20.0 | 5.6 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 4.7 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 |
| 70° | 0.2 | 0.2 | 0.2 | 0.4 | 0.2 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.2 | 0.2 | 0.4 | 0.4 | 0.2 | 0.0 | 0.0 | 0.0 |
| 75° | 0.2 | 0.2 | 0.4 | 0.4 | 0.2 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.2 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.0 | 0.0 |
| 80° | 0.2 | 0.4 | 0.4 | 0.4 | 0.4 | 0.2 | 0.0 | 0.0 |
| 82.5° | 0.2 | 0.4 | 0.4 | 0.4 | 0.4 | 0.2 | 0.0 | 0.0 |
| 85° | 0.2 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.0 | 0.0 |
| 87.5° | 0.2 | 0.4 | 0.4 | 0.4 | 0.4 | 0.2 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)