

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: P1307878

Luminaire Tested: LDSQA3D05R709027DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R709027DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

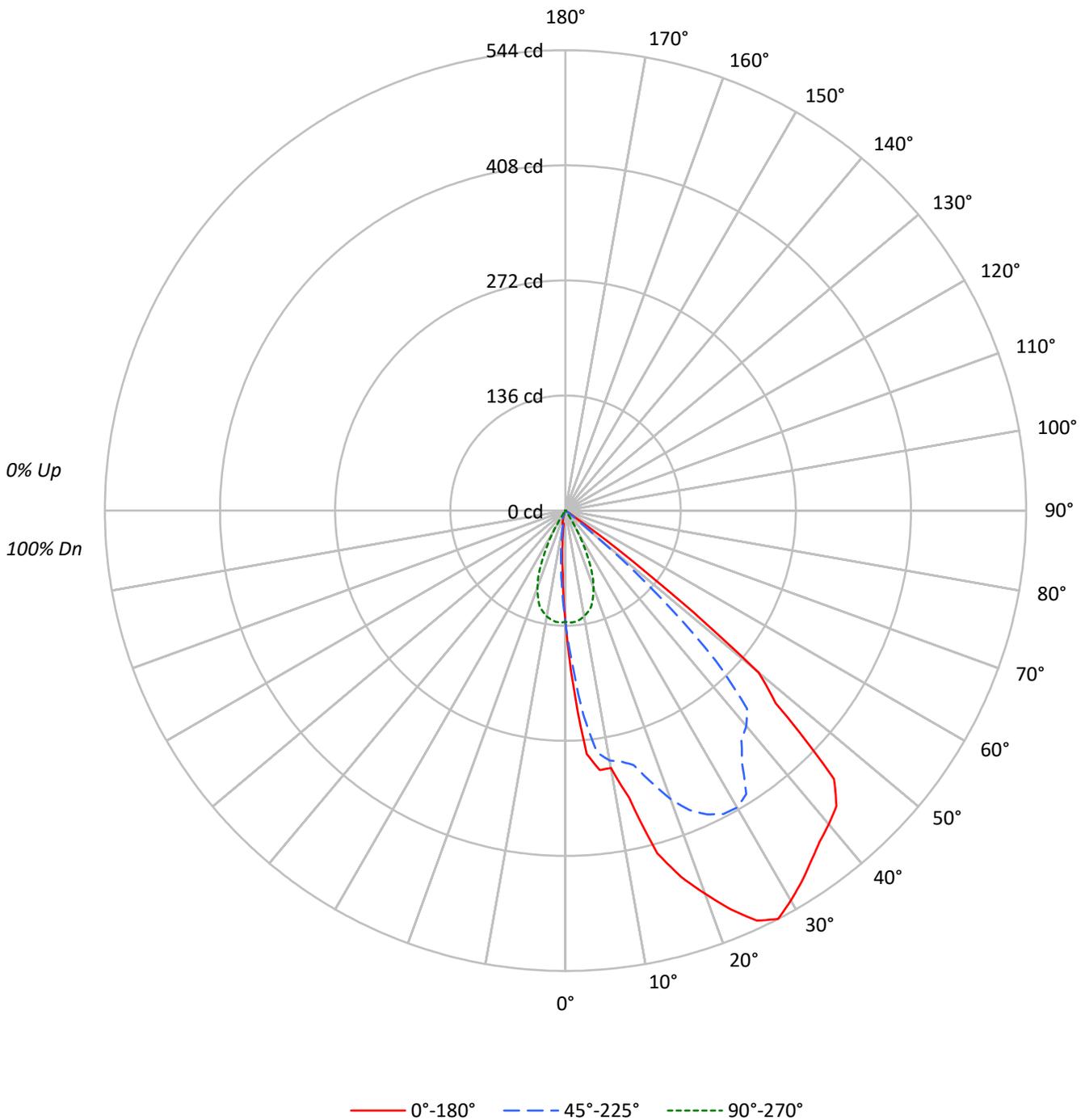
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 354.0 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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

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Luminous Intensity Polar Plot





TEST NUMBER: P1307878

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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 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 91 | | | | 91 |
| 2 | 105 | 99 | 94 | 90 | 103 | 98 | 93 | 89 | 94 | 91 | 87 | 91 | 88 | 85 | 88 | 86 | 84 | 82 | | | | 82 |
| 3 | 98 | 90 | 84 | 79 | 96 | 89 | 83 | 79 | 86 | 81 | 77 | 84 | 80 | 76 | 81 | 78 | 75 | 73 | | | | 73 |
| 4 | 92 | 82 | 76 | 70 | 90 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 66 | | | | 66 |
| 5 | 85 | 75 | 68 | 63 | 84 | 74 | 67 | 62 | 72 | 66 | 62 | 70 | 65 | 61 | 69 | 64 | 61 | 59 | | | | 59 |
| 6 | 80 | 69 | 61 | 56 | 78 | 68 | 61 | 56 | 66 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 55 | 53 | | | | 53 |
| 7 | 74 | 63 | 56 | 50 | 73 | 62 | 55 | 50 | 61 | 55 | 50 | 59 | 54 | 50 | 58 | 53 | 49 | 48 | | | | 48 |
| 8 | 69 | 58 | 51 | 46 | 68 | 57 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 45 | 43 | | | | 43 |
| 9 | 65 | 53 | 46 | 41 | 64 | 53 | 46 | 41 | 52 | 45 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 39 | | | | 39 |
| 10 | 61 | 49 | 42 | 38 | 60 | 49 | 42 | 38 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 36 | | | | 36 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|-------|-------|-------|
| 0° | 22630 | 22630 | 22630 | 22630 | 22630 |
| 5° | 49911 | 41889 | 22803 | 10356 | 6829 |
| 10° | 53985 | 52411 | 22192 | 2886 | 2973 |
| 15° | 74725 | 55486 | 20932 | 2942 | 2140 |
| 20° | 88265 | 66474 | 17759 | 1741 | 641 |
| 25° | 101569 | 75270 | 12523 | 285 | 0 |
| 30° | 105796 | 80560 | 5767 | 0 | 0 |
| 35° | 106279 | 76361 | 315 | 0 | 0 |
| 40° | 108723 | 74685 | 0 | 0 | 0 |
| 45° | 109261 | 61207 | 0 | 0 | 0 |
| 50° | 79763 | 12727 | 0 | 0 | 0 |
| 55° | 4504 | 0 | 0 | 0 | 0 |
| 60° | 0 | 172 | 172 | 0 | 0 |
| 65° | 0 | 0 | 204 | 0 | 0 |
| 70° | 0 | 252 | 252 | 0 | 0 |
| 75° | 0 | 333 | 333 | 0 | 0 |
| 80° | 0 | 496 | 496 | 496 | 0 |
| 85° | 0 | 988 | 988 | 988 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 111331 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 14.4 | 4.1 |
| 10°-20° | 48.0 | 13.6 |
| 20°-30° | 86.3 | 24.4 |
| 30°-40° | 104.9 | 29.6 |
| 40°-50° | 81.0 | 22.9 |
| 50°-60° | 18.8 | 5.3 |
| 60°-70° | 0.1 | 0.0 |
| 70°-80° | 0.3 | 0.1 |
| 80°-90° | 0.3 | 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° | 148.6 | 42.0 |
| 0°-40° | 253.5 | 71.6 |
| 0°-60° | 353.3 | 99.8 |
| 0°-90° | 354.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 354.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 131 | 131 | 131 | 131 | 131 | |
| 5° | 289 | 242 | 132 | 60 | 40 | 27 |
| 15° | 419 | 311 | 117 | 16 | 12 | 117 |
| 25° | 534 | 396 | 66 | 2 | 0 | 243 |
| 35° | 506 | 363 | 2 | 0 | 0 | 318 |
| 45° | 449 | 251 | 0 | 0 | 0 | 317 |
| 55° | 15 | 0 | 0 | 0 | 0 | 62 |
| 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 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 131.4 | 131.4 | 131.4 | 131.4 | 131.4 | 131.4 | 131.4 | 131.4 | 131.4 | 131.4 | 131.4 |
| 2.5° | 204.8 | 204.8 | 205.8 | 205.3 | 200.8 | 198.8 | 192.3 | 188.8 | 187.8 | 179.8 | 176.8 |
| 5° | 288.7 | 289.2 | 286.7 | 286.2 | 281.2 | 277.8 | 272.3 | 263.8 | 255.3 | 242.3 | 230.8 |
| 7.5° | 309.2 | 308.7 | 308.2 | 308.2 | 307.2 | 305.2 | 302.7 | 300.2 | 296.7 | 288.7 | 279.7 |
| 10° | 308.7 | 308.7 | 308.2 | 308.2 | 307.7 | 308.2 | 307.7 | 306.2 | 304.7 | 299.7 | 294.7 |
| 12.5° | 347.7 | 344.7 | 340.7 | 334.7 | 324.7 | 317.2 | 308.7 | 306.2 | 305.2 | 303.7 | 300.7 |
| 15° | 419.1 | 416.6 | 408.1 | 397.6 | 387.7 | 370.7 | 357.2 | 338.7 | 324.2 | 311.2 | 304.7 |
| 17.5° | 453.6 | 455.1 | 445.6 | 439.1 | 429.6 | 416.1 | 400.1 | 381.2 | 360.7 | 336.2 | 316.7 |
| 20° | 481.6 | 483.1 | 475.1 | 468.6 | 457.6 | 443.6 | 429.6 | 409.1 | 389.6 | 362.7 | 337.2 |
| 22.5° | 510.0 | 511.0 | 503.5 | 494.1 | 481.6 | 467.1 | 449.1 | 428.1 | 407.1 | 383.2 | 356.2 |
| 25° | 534.5 | 533.5 | 521.0 | 507.5 | 495.6 | 480.1 | 462.6 | 442.1 | 422.1 | 396.1 | 370.7 |
| 27.5° | 544.0 | 543.5 | 529.5 | 516.5 | 502.5 | 481.6 | 466.1 | 448.1 | 427.1 | 404.1 | 378.2 |
| 30° | 532.0 | 540.0 | 531.0 | 521.5 | 504.5 | 483.6 | 468.6 | 447.1 | 427.6 | 405.1 | 375.7 |
| 32.5° | 519.5 | 529.5 | 526.5 | 522.0 | 502.0 | 485.6 | 466.1 | 446.1 | 423.1 | 397.1 | 352.2 |
| 35° | 505.5 | 516.0 | 516.5 | 511.5 | 493.6 | 477.1 | 459.1 | 438.1 | 412.1 | 363.2 | 330.2 |
| 37.5° | 493.1 | 503.0 | 506.0 | 495.6 | 481.6 | 459.6 | 443.1 | 421.1 | 374.2 | 341.2 | 324.2 |
| 40° | 483.6 | 491.1 | 495.6 | 479.1 | 465.1 | 443.6 | 424.6 | 386.2 | 343.7 | 332.2 | 308.2 |
| 42.5° | 473.6 | 480.6 | 482.6 | 464.6 | 443.1 | 422.6 | 395.1 | 346.7 | 334.2 | 317.2 | 252.8 |
| 45° | 448.6 | 457.1 | 452.1 | 434.6 | 418.6 | 397.1 | 356.2 | 335.2 | 321.7 | 251.3 | 155.4 |
| 47.5° | 336.7 | 346.2 | 359.7 | 364.7 | 370.2 | 354.7 | 332.2 | 324.7 | 264.3 | 152.4 | 48.5 |
| 50° | 297.7 | 296.2 | 296.2 | 298.7 | 303.2 | 308.2 | 314.7 | 273.8 | 158.9 | 47.5 | 0.0 |
| 52.5° | 121.4 | 127.4 | 156.9 | 183.3 | 213.8 | 244.3 | 253.8 | 167.8 | 61.9 | 1.0 | 0.0 |
| 55° | 15.0 | 15.0 | 21.0 | 36.0 | 59.4 | 95.9 | 107.9 | 54.0 | 4.5 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.5 | 4.0 | 11.0 | 7.5 | 2.0 | 0.5 | 0.5 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 |
| 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 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 |
| 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° | 131.4 | 131.4 | 131.4 | 131.4 | 131.4 | 131.4 | 131.4 | 131.4 |
| 2.5° | 171.8 | 165.9 | 157.4 | 132.4 | 110.9 | 91.9 | 80.9 | 75.4 |
| 5° | 219.8 | 205.3 | 185.8 | 131.9 | 89.9 | 59.9 | 45.0 | 39.5 |
| 7.5° | 265.8 | 249.3 | 216.3 | 129.9 | 68.9 | 35.0 | 19.5 | 15.5 |
| 10° | 285.7 | 273.8 | 244.3 | 126.9 | 50.0 | 16.5 | 16.5 | 17.0 |
| 12.5° | 293.7 | 284.7 | 260.8 | 122.4 | 33.0 | 16.0 | 17.0 | 16.0 |
| 15° | 299.2 | 290.7 | 268.8 | 117.4 | 19.0 | 16.5 | 13.5 | 12.0 |
| 17.5° | 302.2 | 292.2 | 271.3 | 107.9 | 12.5 | 14.0 | 8.5 | 7.0 |
| 20° | 311.7 | 295.7 | 273.3 | 96.9 | 12.0 | 9.5 | 4.5 | 3.5 |
| 22.5° | 327.7 | 302.7 | 273.8 | 83.4 | 9.5 | 5.5 | 1.5 | 0.0 |
| 25° | 342.2 | 312.2 | 275.3 | 65.9 | 3.0 | 1.5 | 0.0 | 0.0 |
| 27.5° | 349.2 | 315.2 | 274.8 | 46.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 340.7 | 307.7 | 270.3 | 29.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 320.7 | 302.2 | 256.3 | 12.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 314.2 | 290.2 | 224.3 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 299.7 | 255.8 | 164.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 257.8 | 184.8 | 78.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 170.3 | 78.9 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 59.9 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 1.0 | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.5 | 0.5 | 0.5 | 0.5 | 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 |
| 65° | 0.0 | 0.0 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 |
| 75° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 |
| 80° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 |
| 82.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 |
| 85° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 |
| 87.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)