

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: P1308036

Luminaire Tested: LDSQA3D09R709027DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308036
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: LDSQA3D09R709027DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

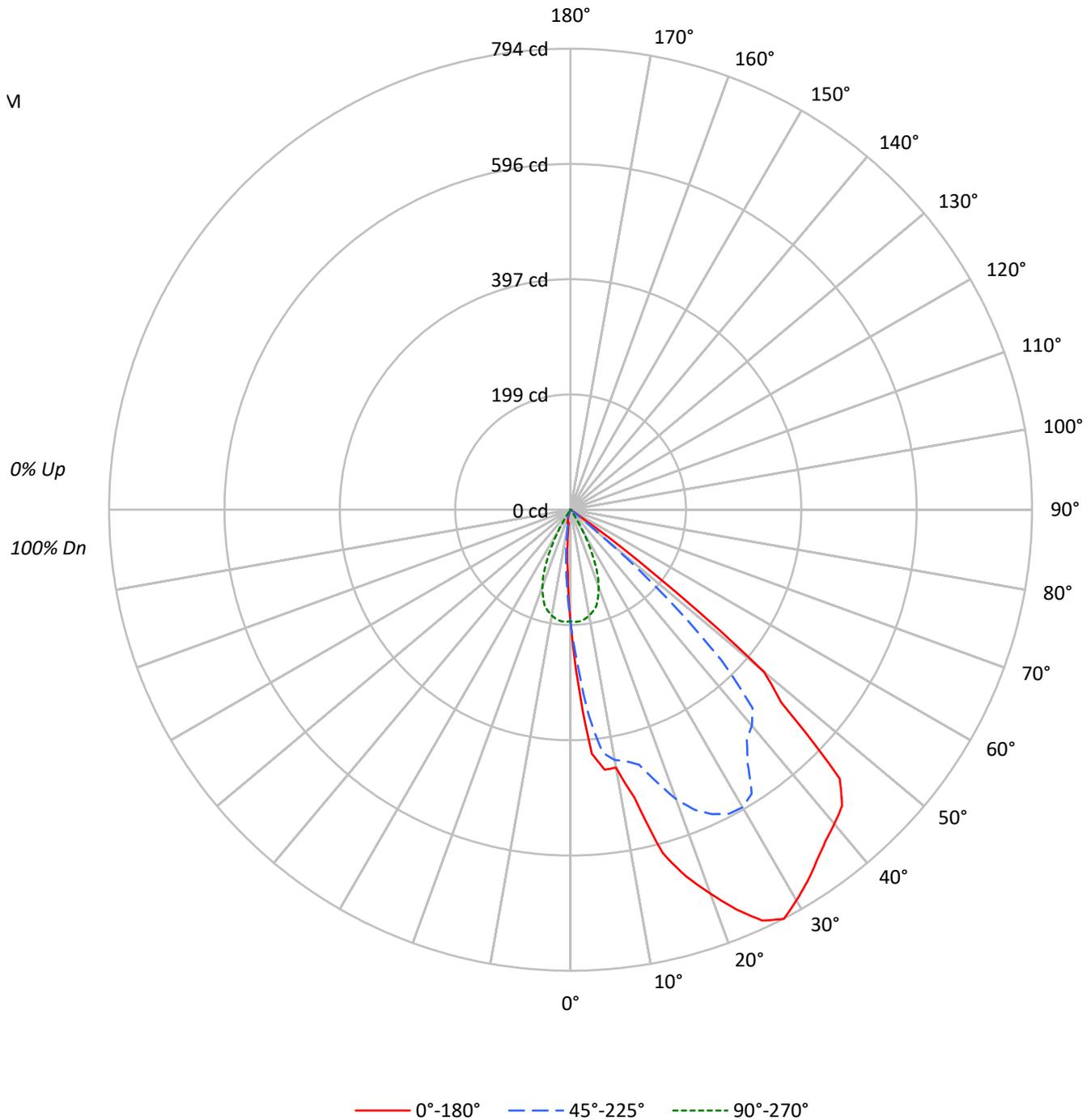
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 517.0 lumens
Efficiency: N/A
Efficacy: 46.6 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): 11.1
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





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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 | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 96 | 94 | 93 | 91 |
| 2 | 105 | 99 | 94 | 90 | 103 | 98 | 93 | 89 | 94 | 91 | 87 | 91 | 88 | 85 | 88 | 86 | 84 | 88 | 86 | 84 | 82 |
| 3 | 98 | 90 | 84 | 79 | 96 | 89 | 83 | 79 | 86 | 81 | 77 | 84 | 80 | 76 | 81 | 78 | 75 | 81 | 78 | 75 | 73 |
| 4 | 92 | 82 | 76 | 70 | 90 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 75 | 71 | 67 | 66 |
| 5 | 85 | 75 | 68 | 63 | 84 | 74 | 67 | 62 | 72 | 66 | 62 | 70 | 65 | 61 | 69 | 64 | 61 | 69 | 64 | 61 | 59 |
| 6 | 80 | 69 | 61 | 56 | 78 | 68 | 61 | 56 | 66 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 55 | 63 | 58 | 55 | 53 |
| 7 | 74 | 63 | 56 | 50 | 73 | 62 | 55 | 50 | 61 | 55 | 50 | 59 | 54 | 50 | 58 | 53 | 49 | 58 | 53 | 49 | 48 |
| 8 | 69 | 58 | 51 | 46 | 68 | 57 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 45 | 54 | 49 | 45 | 43 |
| 9 | 65 | 53 | 46 | 41 | 64 | 53 | 46 | 41 | 52 | 45 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 50 | 45 | 41 | 39 |
| 10 | 61 | 49 | 42 | 38 | 60 | 49 | 42 | 38 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 46 | 41 | 37 | 36 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 33050 | 33050 | 33050 | 33050 | 33050 |
| 5° | 72904 | 61165 | 33297 | 15127 | 9958 |
| 10° | 78853 | 76545 | 32405 | 4215 | 4337 |
| 15° | 109136 | 81036 | 30560 | 4297 | 3120 |
| 20° | 128898 | 97081 | 25933 | 2548 | 935 |
| 25° | 148335 | 109930 | 18300 | 418 | 0 |
| 30° | 154519 | 117669 | 8412 | 0 | 0 |
| 35° | 155224 | 111514 | 463 | 0 | 0 |
| 40° | 158768 | 109083 | 0 | 0 | 0 |
| 45° | 159580 | 89386 | 0 | 0 | 0 |
| 50° | 116496 | 18568 | 0 | 0 | 0 |
| 55° | 6576 | 0 | 0 | 0 | 0 |
| 60° | 0 | 241 | 241 | 0 | 0 |
| 65° | 0 | 0 | 285 | 0 | 0 |
| 70° | 0 | 352 | 352 | 0 | 0 |
| 75° | 0 | 466 | 466 | 0 | 0 |
| 80° | 0 | 694 | 694 | 694 | 0 |
| 85° | 0 | 1383 | 1383 | 1383 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 162600 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 21.0 | 4.1 |
| 10°-20° | 70.1 | 13.6 |
| 20°-30° | 126.0 | 24.4 |
| 30°-40° | 153.2 | 29.6 |
| 40°-50° | 118.3 | 22.9 |
| 50°-60° | 27.5 | 5.3 |
| 60°-70° | 0.2 | 0.0 |
| 70°-80° | 0.4 | 0.1 |
| 80°-90° | 0.4 | 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° | 217.1 | 42.0 |
| 0°-40° | 370.3 | 71.6 |
| 0°-60° | 516.0 | 99.8 |
| 0°-90° | 517.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 517.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 192 | 192 | 192 | 192 | 192 | |
| 5° | 422 | 354 | 193 | 88 | 58 | 40 |
| 15° | 612 | 454 | 171 | 24 | 18 | 171 |
| 25° | 781 | 578 | 96 | 2 | 0 | 355 |
| 35° | 738 | 530 | 2 | 0 | 0 | 464 |
| 45° | 655 | 367 | 0 | 0 | 0 | 463 |
| 55° | 22 | 0 | 0 | 0 | 0 | 90 |
| 65° | 0 | 0 | 1 | 0 | 0 | 0 |
| 75° | 0 | 1 | 1 | 0 | 0 | 0 |
| 85° | 0 | 1 | 1 | 1 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 191.9 | 191.9 | 191.9 | 191.9 | 191.9 | 191.9 | 191.9 | 191.9 | 191.9 | 191.9 | 191.9 |
| 2.5° | 299.1 | 299.1 | 300.6 | 299.9 | 293.3 | 290.4 | 280.9 | 275.8 | 274.3 | 262.6 | 258.3 |
| 5° | 421.7 | 422.4 | 418.8 | 418.0 | 410.7 | 405.6 | 397.6 | 385.2 | 372.8 | 353.8 | 337.1 |
| 7.5° | 451.6 | 450.9 | 450.1 | 450.1 | 448.7 | 445.8 | 442.1 | 438.5 | 433.4 | 421.7 | 408.6 |
| 10° | 450.9 | 450.9 | 450.1 | 450.1 | 449.4 | 450.1 | 449.4 | 447.2 | 445.0 | 437.7 | 430.4 |
| 12.5° | 507.8 | 503.4 | 497.6 | 488.8 | 474.2 | 463.3 | 450.9 | 447.2 | 445.8 | 443.6 | 439.2 |
| 15° | 612.1 | 608.5 | 596.1 | 580.7 | 566.1 | 541.3 | 521.6 | 494.6 | 473.5 | 454.5 | 445.0 |
| 17.5° | 662.4 | 664.6 | 650.8 | 641.3 | 627.4 | 607.7 | 584.4 | 556.7 | 526.7 | 491.0 | 462.5 |
| 20° | 703.3 | 705.5 | 693.8 | 684.3 | 668.3 | 647.9 | 627.4 | 597.5 | 569.1 | 529.7 | 492.5 |
| 22.5° | 744.9 | 746.3 | 735.4 | 721.5 | 703.3 | 682.1 | 655.9 | 625.2 | 594.6 | 559.6 | 520.2 |
| 25° | 780.6 | 779.2 | 760.9 | 741.2 | 723.7 | 701.1 | 675.6 | 645.7 | 616.5 | 578.5 | 541.3 |
| 27.5° | 794.5 | 793.8 | 773.3 | 754.4 | 733.9 | 703.3 | 680.7 | 654.4 | 623.8 | 590.2 | 552.3 |
| 30° | 777.0 | 788.7 | 775.5 | 761.7 | 736.9 | 706.2 | 684.3 | 653.0 | 624.5 | 591.7 | 548.6 |
| 32.5° | 758.8 | 773.3 | 769.0 | 762.4 | 733.2 | 709.1 | 680.7 | 651.5 | 617.9 | 580.0 | 514.3 |
| 35° | 738.3 | 753.6 | 754.4 | 747.1 | 720.8 | 696.7 | 670.5 | 639.8 | 601.9 | 530.4 | 482.2 |
| 37.5° | 720.1 | 734.7 | 739.1 | 723.7 | 703.3 | 671.2 | 647.1 | 615.0 | 546.4 | 498.3 | 473.5 |
| 40° | 706.2 | 717.2 | 723.7 | 699.7 | 679.2 | 647.9 | 620.1 | 564.0 | 501.9 | 485.2 | 450.1 |
| 42.5° | 691.6 | 701.8 | 704.8 | 678.5 | 647.1 | 617.2 | 577.1 | 506.3 | 488.1 | 463.3 | 369.2 |
| 45° | 655.2 | 667.6 | 660.3 | 634.7 | 611.4 | 580.0 | 520.2 | 489.5 | 469.8 | 367.0 | 226.9 |
| 47.5° | 491.7 | 505.6 | 525.3 | 532.6 | 540.6 | 518.0 | 485.2 | 474.2 | 385.9 | 222.5 | 70.8 |
| 50° | 434.8 | 432.6 | 432.6 | 436.3 | 442.8 | 450.1 | 459.6 | 399.8 | 232.0 | 69.3 | 0.0 |
| 52.5° | 177.3 | 186.0 | 229.1 | 267.8 | 312.3 | 356.8 | 370.6 | 245.1 | 90.5 | 1.5 | 0.0 |
| 55° | 21.9 | 21.9 | 30.6 | 52.5 | 86.8 | 140.1 | 157.6 | 78.8 | 6.6 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.7 | 5.8 | 16.1 | 10.9 | 2.9 | 0.7 | 0.7 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 |
| 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 | 0.7 | 0.7 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 |
| 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° | 191.9 | 191.9 | 191.9 | 191.9 | 191.9 | 191.9 | 191.9 | 191.9 |
| 2.5° | 251.0 | 242.2 | 229.8 | 193.3 | 162.0 | 134.2 | 118.2 | 110.2 |
| 5° | 321.0 | 299.9 | 271.4 | 192.6 | 131.3 | 87.5 | 65.7 | 57.6 |
| 7.5° | 388.1 | 364.1 | 315.9 | 189.7 | 100.7 | 51.1 | 28.5 | 22.6 |
| 10° | 417.3 | 399.8 | 356.8 | 185.3 | 73.0 | 24.1 | 24.1 | 24.8 |
| 12.5° | 429.0 | 415.9 | 380.8 | 178.7 | 48.2 | 23.3 | 24.8 | 23.3 |
| 15° | 437.0 | 424.6 | 392.5 | 171.4 | 27.7 | 24.1 | 19.7 | 17.5 |
| 17.5° | 441.4 | 426.8 | 396.2 | 157.6 | 18.2 | 20.4 | 12.4 | 10.2 |
| 20° | 455.3 | 431.9 | 399.1 | 141.5 | 17.5 | 13.9 | 6.6 | 5.1 |
| 22.5° | 478.6 | 442.1 | 399.8 | 121.8 | 13.9 | 8.0 | 2.2 | 0.0 |
| 25° | 499.8 | 456.0 | 402.0 | 96.3 | 4.4 | 2.2 | 0.0 | 0.0 |
| 27.5° | 510.0 | 460.4 | 401.3 | 67.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 497.6 | 449.4 | 394.7 | 42.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 468.4 | 441.4 | 374.3 | 18.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 458.9 | 423.9 | 327.6 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 437.7 | 373.5 | 240.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 376.5 | 269.9 | 114.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 248.8 | 115.3 | 6.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 87.5 | 7.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 1.5 | 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° | 0.7 | 0.7 | 0.7 | 0.7 | 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 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 75° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 80° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 |
| 82.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 |
| 85° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 |
| 87.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 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)