

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: P1323674

Luminaire Tested: LDSQA3D05R609030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323674
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R609030D2WDE010 3LSQCA30R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R60 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

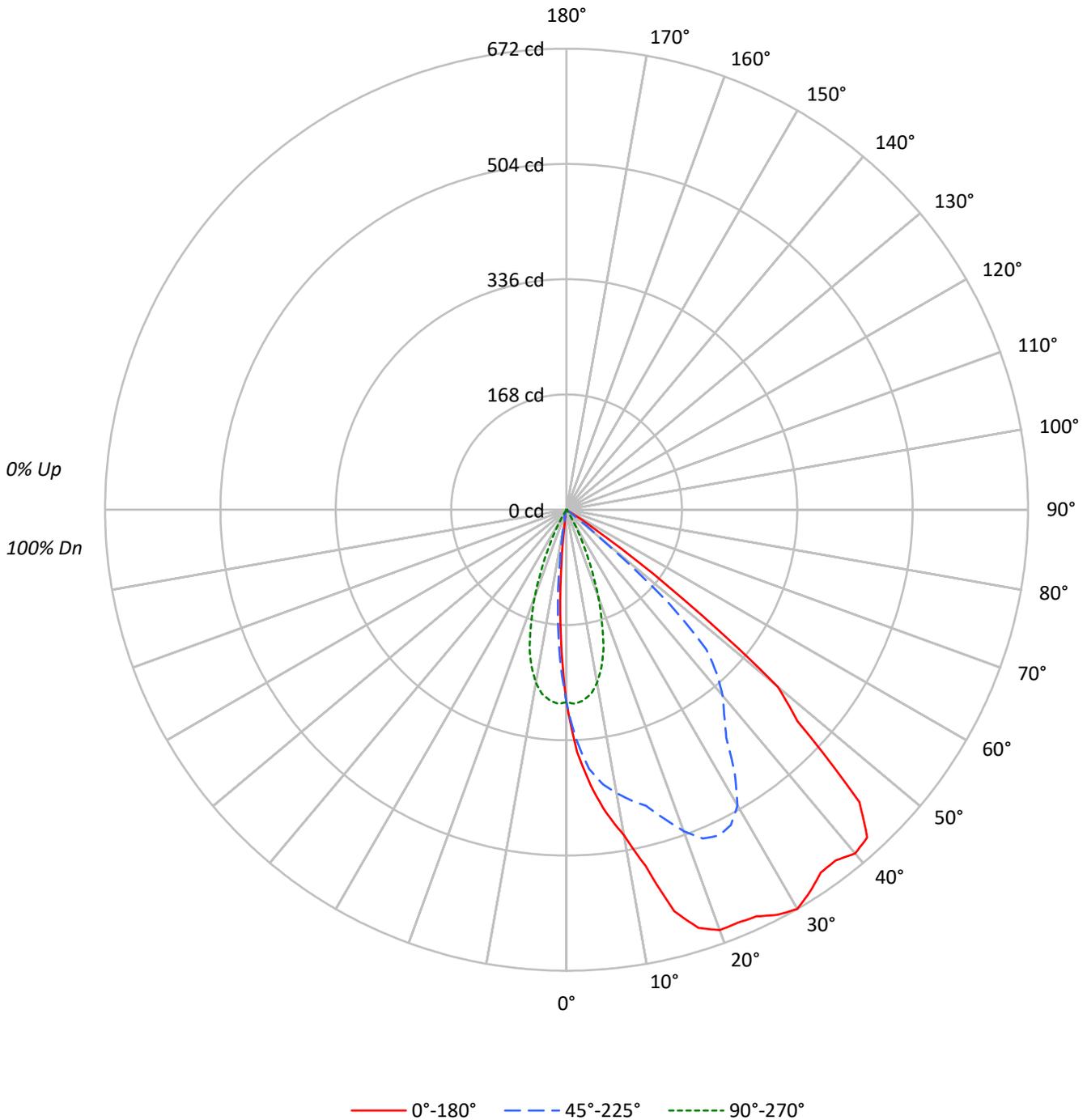
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 456.0 lumens
Efficiency: N/A
Efficacy: 41.1 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
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 (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: P1323674
CATALOG NUMBER: LDSQA3D05R609030D2WDE010 3LSQCA30R 1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1323674

CATALOG NUMBER: LDSQA3D05R609030D2WDE010 3LSQCA30R 1MB

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 | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 91 | | |
| 2 | 105 | 100 | 95 | 91 | 103 | 98 | 93 | 90 | 94 | 91 | 88 | 91 | 88 | 86 | 89 | 86 | 84 | 82 | | |
| 3 | 99 | 91 | 85 | 80 | 96 | 89 | 84 | 79 | 87 | 82 | 78 | 84 | 80 | 77 | 82 | 78 | 76 | 74 | | |
| 4 | 92 | 83 | 76 | 71 | 90 | 82 | 75 | 71 | 79 | 74 | 70 | 77 | 73 | 69 | 75 | 71 | 68 | 66 | | |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 68 | 63 | 73 | 67 | 63 | 71 | 66 | 62 | 69 | 65 | 61 | 60 | | |
| 6 | 80 | 69 | 62 | 57 | 79 | 69 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 56 | 64 | 59 | 56 | 54 | | |
| 7 | 75 | 64 | 57 | 52 | 74 | 63 | 56 | 51 | 62 | 56 | 51 | 60 | 55 | 51 | 59 | 54 | 50 | 49 | | |
| 8 | 70 | 59 | 52 | 47 | 69 | 58 | 51 | 47 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 44 | | |
| 9 | 66 | 55 | 47 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 40 | | |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 42 | 39 | 37 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|-------|-------|-------|
| 0° | 48326 | 48326 | 48326 | 48326 | 48326 |
| 5° | 69654 | 65591 | 48251 | 24860 | 15974 |
| 10° | 84239 | 73327 | 44787 | 2973 | 1749 |
| 15° | 107977 | 79664 | 37122 | 1961 | 1605 |
| 20° | 119496 | 91308 | 24889 | 1100 | 183 |
| 25° | 124277 | 99612 | 12238 | 95 | 0 |
| 30° | 133618 | 98975 | 3381 | 0 | 0 |
| 35° | 135713 | 85233 | 0 | 0 | 0 |
| 40° | 147033 | 79452 | 0 | 0 | 0 |
| 45° | 146891 | 70145 | 0 | 0 | 0 |
| 50° | 107547 | 16987 | 0 | 0 | 0 |
| 55° | 20988 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 204 | 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: 147134 cd/sqm



TEST NUMBER: P1323674

CATALOG NUMBER: LDSQA3D05R609030D2WDE010 3LSQCA30R 1MB

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 24.1 | 5.3 |
| 10°-20° | 68.6 | 15.0 |
| 20°-30° | 109.3 | 24.0 |
| 30°-40° | 126.4 | 27.7 |
| 40°-50° | 100.4 | 22.0 |
| 50°-60° | 26.4 | 5.8 |
| 60°-70° | 0.2 | 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° | 202.1 | 44.3 |
| 0°-40° | 328.4 | 72.0 |
| 0°-60° | 455.3 | 99.8 |
| 0°-90° | 456.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 456.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 281 | 281 | 281 | 281 | 281 | |
| 5° | 403 | 379 | 279 | 144 | 92 | 41 |
| 15° | 606 | 447 | 208 | 11 | 9 | 169 |
| 25° | 654 | 524 | 64 | 0 | 0 | 305 |
| 35° | 646 | 405 | 0 | 0 | 0 | 410 |
| 45° | 603 | 288 | 0 | 0 | 0 | 429 |
| 55° | 70 | 0 | 0 | 0 | 0 | 105 |
| 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: P1323674

CATALOG NUMBER: LDSQA3D05R609030D2WDE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 280.6 | 280.6 | 280.6 | 280.6 | 280.6 | 280.6 | 280.6 | 280.6 | 280.6 | 280.6 | 280.6 |
| 2.5° | 352.9 | 356.4 | 354.9 | 353.4 | 350.0 | 348.5 | 348.5 | 344.5 | 338.0 | 337.0 | 332.5 |
| 5° | 402.9 | 403.9 | 403.9 | 402.9 | 400.4 | 396.4 | 395.4 | 391.4 | 385.4 | 379.4 | 373.4 |
| 7.5° | 446.3 | 445.8 | 442.8 | 440.8 | 436.3 | 430.8 | 425.8 | 420.3 | 411.4 | 403.4 | 394.9 |
| 10° | 481.7 | 483.2 | 480.7 | 475.8 | 469.8 | 462.3 | 454.3 | 444.8 | 431.3 | 419.3 | 408.4 |
| 12.5° | 531.7 | 531.2 | 524.7 | 516.2 | 501.7 | 487.7 | 475.3 | 464.8 | 448.3 | 433.8 | 420.3 |
| 15° | 605.6 | 604.6 | 598.6 | 591.1 | 570.1 | 549.1 | 527.7 | 498.2 | 470.8 | 446.8 | 427.8 |
| 17.5° | 639.0 | 641.0 | 636.0 | 632.0 | 620.0 | 606.1 | 587.1 | 557.6 | 515.2 | 471.8 | 431.8 |
| 20° | 652.0 | 654.5 | 651.0 | 650.5 | 645.0 | 638.5 | 623.0 | 591.1 | 549.6 | 498.2 | 448.8 |
| 22.5° | 651.5 | 653.5 | 652.0 | 658.5 | 665.0 | 661.5 | 642.5 | 610.5 | 568.1 | 518.7 | 462.8 |
| 25° | 654.0 | 652.5 | 647.0 | 656.5 | 666.0 | 663.0 | 653.5 | 626.0 | 579.6 | 524.2 | 467.8 |
| 27.5° | 665.5 | 654.5 | 643.5 | 655.5 | 660.0 | 661.0 | 655.5 | 623.0 | 577.6 | 518.2 | 457.8 |
| 30° | 671.9 | 660.0 | 651.0 | 661.0 | 661.0 | 666.5 | 655.0 | 618.0 | 560.6 | 497.7 | 431.3 |
| 32.5° | 660.0 | 657.5 | 665.5 | 675.4 | 677.9 | 677.9 | 652.5 | 601.6 | 532.2 | 455.8 | 388.9 |
| 35° | 645.5 | 651.5 | 674.4 | 678.9 | 678.9 | 668.0 | 637.0 | 572.6 | 489.7 | 405.4 | 357.4 |
| 37.5° | 644.0 | 653.5 | 678.9 | 673.4 | 664.5 | 644.0 | 599.1 | 522.2 | 429.3 | 376.9 | 334.0 |
| 40° | 654.0 | 663.0 | 677.9 | 658.0 | 636.5 | 604.6 | 550.6 | 456.3 | 392.9 | 353.4 | 305.5 |
| 42.5° | 648.0 | 656.5 | 657.0 | 627.5 | 597.1 | 553.6 | 482.2 | 402.9 | 366.4 | 323.5 | 273.1 |
| 45° | 603.1 | 604.1 | 602.1 | 570.6 | 539.2 | 494.2 | 418.3 | 376.4 | 337.5 | 288.0 | 200.7 |
| 47.5° | 455.8 | 453.8 | 461.3 | 452.3 | 453.8 | 426.8 | 379.9 | 345.5 | 299.0 | 202.2 | 60.9 |
| 50° | 401.4 | 398.9 | 391.4 | 383.4 | 375.4 | 362.4 | 340.5 | 303.5 | 215.7 | 63.4 | 2.0 |
| 52.5° | 215.2 | 227.1 | 250.6 | 286.6 | 300.0 | 299.0 | 282.6 | 224.6 | 67.9 | 0.5 | 0.0 |
| 55° | 69.9 | 68.9 | 76.9 | 90.9 | 124.8 | 143.8 | 149.8 | 76.4 | 1.5 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 1.5 | 5.0 | 13.0 | 17.0 | 1.0 | 0.0 | 0.5 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 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 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 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 |



TEST NUMBER: P1323674

CATALOG NUMBER: LDSQA3D05R609030D2WDE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0° | 280.6 | 280.6 | 280.6 | 280.6 | 280.6 | 280.6 | 280.6 | 280.6 |
| 2.5° | 326.5 | 319.5 | 311.5 | 283.1 | 249.6 | 217.2 | 193.7 | 187.7 |
| 5° | 363.9 | 351.9 | 335.0 | 279.1 | 206.2 | 143.8 | 102.8 | 92.4 |
| 7.5° | 383.4 | 372.9 | 354.9 | 271.1 | 159.7 | 70.9 | 26.5 | 18.0 |
| 10° | 395.4 | 382.9 | 362.9 | 256.1 | 104.3 | 17.0 | 9.5 | 10.0 |
| 12.5° | 403.9 | 389.4 | 366.9 | 234.6 | 52.9 | 8.5 | 12.0 | 12.5 |
| 15° | 407.4 | 391.9 | 366.4 | 208.2 | 19.0 | 11.0 | 10.5 | 9.0 |
| 17.5° | 405.4 | 385.9 | 359.9 | 170.2 | 6.5 | 10.5 | 5.5 | 4.5 |
| 20° | 402.9 | 380.9 | 349.5 | 135.8 | 5.5 | 6.0 | 2.0 | 1.0 |
| 22.5° | 410.9 | 372.4 | 335.0 | 97.3 | 5.5 | 2.0 | 0.0 | 0.0 |
| 25° | 411.9 | 368.9 | 316.5 | 64.4 | 2.5 | 0.5 | 0.0 | 0.0 |
| 27.5° | 401.9 | 348.5 | 288.0 | 37.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 369.9 | 323.0 | 257.6 | 17.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 338.5 | 294.5 | 223.6 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 313.5 | 265.1 | 186.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 282.6 | 230.1 | 138.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 250.1 | 185.7 | 69.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 195.2 | 88.4 | 7.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 74.9 | 8.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 4.0 | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 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 | 0.0 | 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 | 0.5 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)