

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: P1307848

Luminaire Tested: LDSQA3D05R509027DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R509027DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

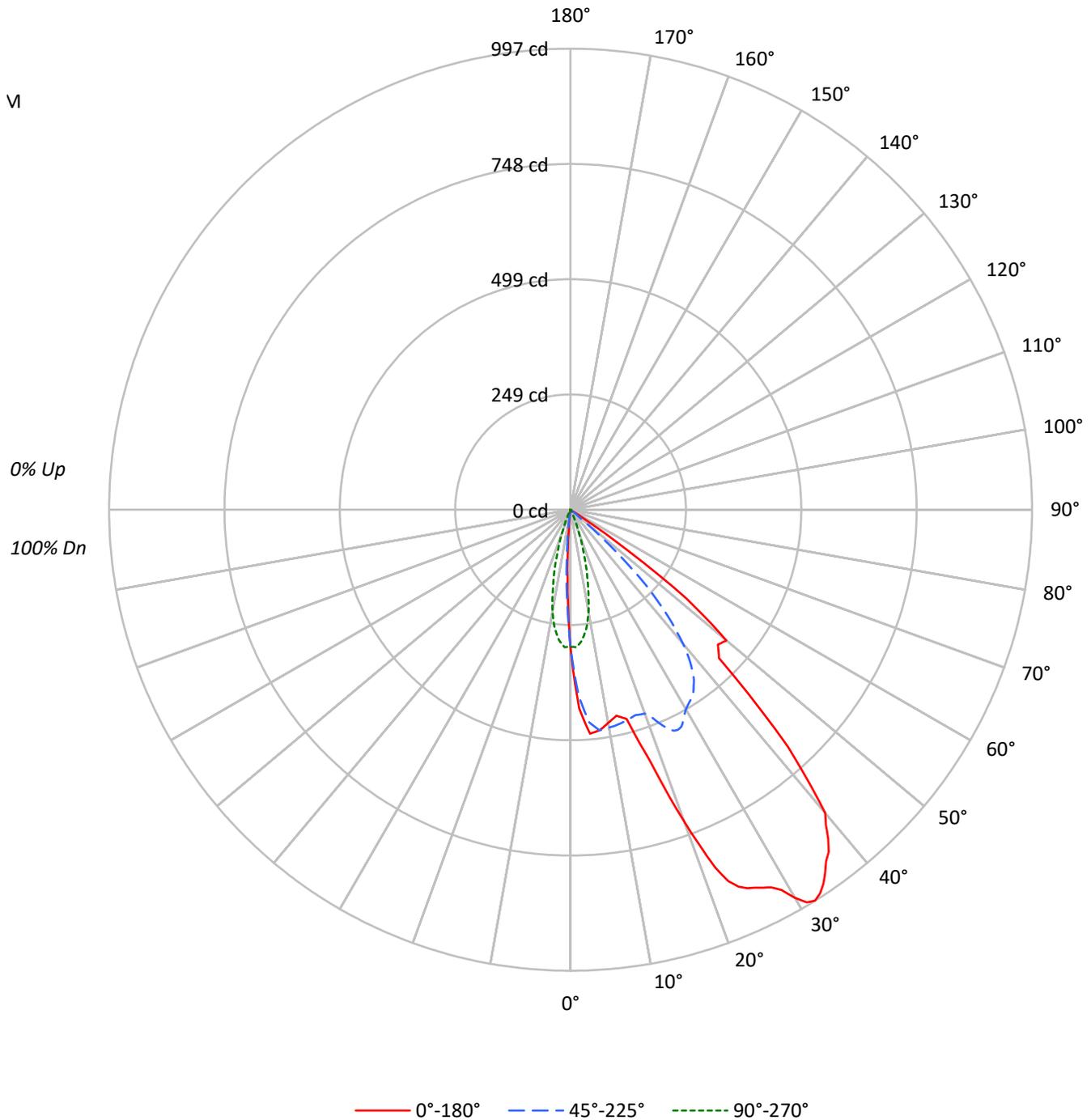
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 477.0 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
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 (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





TEST NUMBER: P1307848

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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 | 0 |
| 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 | 99 | 95 | 91 | 103 | 98 | 93 | 90 | 94 | 91 | 88 | 91 | 88 | 86 | 89 | 86 | 84 | 82 |
| 3 | 98 | 91 | 85 | 80 | 96 | 89 | 84 | 79 | 86 | 82 | 78 | 84 | 80 | 77 | 82 | 78 | 75 | 74 |
| 4 | 92 | 83 | 76 | 71 | 90 | 81 | 75 | 70 | 79 | 74 | 70 | 77 | 72 | 69 | 75 | 71 | 68 | 66 |
| 5 | 86 | 76 | 68 | 63 | 84 | 75 | 68 | 63 | 73 | 67 | 62 | 71 | 66 | 62 | 69 | 65 | 61 | 59 |
| 6 | 80 | 69 | 62 | 57 | 78 | 68 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 56 | 64 | 59 | 55 | 54 |
| 7 | 75 | 64 | 56 | 51 | 73 | 63 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 50 | 59 | 54 | 50 | 48 |
| 8 | 70 | 59 | 51 | 46 | 69 | 58 | 51 | 46 | 57 | 50 | 46 | 56 | 50 | 46 | 55 | 49 | 46 | 44 |
| 9 | 66 | 54 | 47 | 42 | 64 | 54 | 47 | 42 | 53 | 46 | 42 | 52 | 46 | 42 | 51 | 45 | 42 | 40 |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 51012 | 51012 | 51012 | 51012 | 51012 |
| 5° | 84037 | 79750 | 49012 | 14557 | 7278 |
| 10° | 81896 | 83697 | 39278 | 734 | 979 |
| 15° | 83497 | 83996 | 23518 | 749 | 250 |
| 20° | 131628 | 86011 | 9695 | 0 | 0 |
| 25° | 171594 | 100201 | 2318 | 0 | 0 |
| 30° | 192601 | 99095 | 99 | 0 | 0 |
| 35° | 201562 | 97575 | 0 | 0 | 0 |
| 40° | 192289 | 84780 | 0 | 0 | 0 |
| 45° | 110430 | 55946 | 0 | 0 | 0 |
| 50° | 117836 | 6404 | 0 | 0 | 0 |
| 55° | 33569 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 172 | 0 | 0 |
| 65° | 0 | 204 | 204 | 0 | 0 |
| 70° | 0 | 252 | 252 | 0 | 0 |
| 75° | 0 | 333 | 333 | 0 | 0 |
| 80° | 0 | 496 | 893 | 496 | 0 |
| 85° | 0 | 988 | 1778 | 988 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 121926 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 24.9 | 5.2 |
| 10°-20° | 62.7 | 13.1 |
| 20°-30° | 120.4 | 25.2 |
| 30°-40° | 140.1 | 29.4 |
| 40°-50° | 100.3 | 21.0 |
| 50°-60° | 27.9 | 5.9 |
| 60°-70° | 0.2 | 0.0 |
| 70°-80° | 0.3 | 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° | 207.9 | 43.6 |
| 0°-40° | 348.0 | 73.0 |
| 0°-60° | 476.2 | 99.8 |
| 0°-90° | 477.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 477.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 296 | 296 | 296 | 296 | 296 | |
| 5° | 486 | 461 | 284 | 84 | 42 | 45 |
| 15° | 468 | 471 | 132 | 4 | 1 | 151 |
| 25° | 903 | 527 | 12 | 0 | 0 | 411 |
| 35° | 959 | 464 | 0 | 0 | 0 | 593 |
| 45° | 453 | 230 | 0 | 0 | 0 | 426 |
| 55° | 112 | 0 | 0 | 0 | 0 | 141 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 1 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 296.2 | 296.2 | 296.2 | 296.2 | 296.2 | 296.2 | 296.2 | 296.2 | 296.2 | 296.2 | 296.2 |
| 2.5° | 430.4 | 432.8 | 433.2 | 427.6 | 428.6 | 420.6 | 421.1 | 415.5 | 401.9 | 354.6 | 297.6 |
| 5° | 486.1 | 484.7 | 486.1 | 484.2 | 486.1 | 481.4 | 478.6 | 476.3 | 461.3 | 394.4 | 283.5 |
| 7.5° | 481.0 | 479.1 | 481.9 | 482.8 | 486.1 | 484.7 | 485.2 | 486.6 | 481.4 | 415.9 | 259.7 |
| 10° | 468.3 | 467.9 | 469.3 | 469.3 | 473.0 | 473.5 | 475.4 | 478.2 | 478.6 | 423.4 | 224.6 |
| 12.5° | 456.2 | 454.8 | 454.8 | 454.3 | 456.2 | 455.7 | 460.4 | 466.9 | 475.8 | 418.7 | 176.4 |
| 15° | 468.3 | 466.9 | 465.1 | 459.9 | 456.2 | 452.0 | 452.4 | 456.6 | 471.1 | 406.6 | 131.9 |
| 17.5° | 566.6 | 559.1 | 549.7 | 533.4 | 516.1 | 486.1 | 468.3 | 457.1 | 465.5 | 387.9 | 88.0 |
| 20° | 718.2 | 714.9 | 699.9 | 673.3 | 645.2 | 601.2 | 546.5 | 502.5 | 469.3 | 364.5 | 52.9 |
| 21° | 775.7 | 773.9 | 757.9 | 733.1 | 701.3 | 648.0 | 591.9 | 539.0 | 476.8 | 354.6 | 41.6 |
| 22° | 834.7 | 827.7 | 815.0 | 787.4 | 754.2 | 700.9 | 638.2 | 579.7 | 491.7 | 342.0 | 31.8 |
| 23° | 872.6 | 868.4 | 854.8 | 832.8 | 801.0 | 749.1 | 685.0 | 621.3 | 506.2 | 328.0 | 23.9 |
| 24° | 892.2 | 890.8 | 880.1 | 864.6 | 837.5 | 784.6 | 723.8 | 658.3 | 518.4 | 311.6 | 17.3 |
| 25° | 903.0 | 898.3 | 891.8 | 880.5 | 859.9 | 814.1 | 759.8 | 690.6 | 527.3 | 295.2 | 12.2 |
| 26° | 909.5 | 906.7 | 896.4 | 886.6 | 867.0 | 829.5 | 783.2 | 710.2 | 529.6 | 275.1 | 8.4 |
| 27° | 917.0 | 910.5 | 900.6 | 889.0 | 867.0 | 834.2 | 792.1 | 718.6 | 526.8 | 254.5 | 5.6 |
| 28° | 925.0 | 920.3 | 906.7 | 891.8 | 865.6 | 834.2 | 788.8 | 707.4 | 518.4 | 234.9 | 3.3 |
| 29° | 940.4 | 934.3 | 917.5 | 895.5 | 866.0 | 833.3 | 776.2 | 684.0 | 507.2 | 212.9 | 1.9 |
| 30° | 968.5 | 955.9 | 935.3 | 904.4 | 869.3 | 831.4 | 755.1 | 648.9 | 498.3 | 188.1 | 0.5 |
| 31° | 990.5 | 983.5 | 959.6 | 920.8 | 878.7 | 826.3 | 730.3 | 614.3 | 492.2 | 166.6 | 0.0 |
| 32° | 996.6 | 991.4 | 974.1 | 937.6 | 894.6 | 822.0 | 702.3 | 580.6 | 487.5 | 142.7 | 0.0 |
| 33° | 989.5 | 986.3 | 968.0 | 934.8 | 898.8 | 816.4 | 670.0 | 547.4 | 482.4 | 121.2 | 0.0 |
| 34° | 976.4 | 972.2 | 956.3 | 922.6 | 888.0 | 792.1 | 639.1 | 522.1 | 474.9 | 101.1 | 0.0 |
| 35° | 958.7 | 955.4 | 939.0 | 905.8 | 868.4 | 754.2 | 608.2 | 505.3 | 464.1 | 80.9 | 0.0 |
| 36° | 939.5 | 938.5 | 917.5 | 884.7 | 843.1 | 717.7 | 570.8 | 492.7 | 453.4 | 64.1 | 0.0 |
| 37° | 926.8 | 922.2 | 899.2 | 867.0 | 813.2 | 675.1 | 540.9 | 488.5 | 438.4 | 49.6 | 0.0 |
| 38° | 903.9 | 904.9 | 878.7 | 849.2 | 782.7 | 638.2 | 516.5 | 485.2 | 421.5 | 36.0 | 0.0 |
| 39° | 876.8 | 877.3 | 850.1 | 824.9 | 746.7 | 599.3 | 496.4 | 481.9 | 400.5 | 22.9 | 0.0 |
| 40° | 855.3 | 854.8 | 823.9 | 796.8 | 707.9 | 562.8 | 485.6 | 477.2 | 377.1 | 13.1 | 0.0 |
| 42.5° | 695.3 | 698.1 | 701.8 | 713.0 | 616.7 | 498.7 | 475.4 | 451.0 | 310.7 | 0.0 | 0.0 |
| 45° | 453.4 | 464.1 | 466.9 | 500.6 | 500.2 | 472.5 | 451.0 | 404.2 | 229.7 | 0.0 | 0.0 |
| 47.5° | 431.4 | 434.6 | 440.7 | 453.8 | 460.9 | 447.3 | 403.3 | 337.8 | 125.4 | 0.0 | 0.0 |
| 50° | 439.8 | 439.3 | 440.7 | 440.7 | 428.1 | 393.0 | 330.8 | 249.4 | 23.9 | 0.0 | 0.0 |
| 52.5° | 315.8 | 327.5 | 340.1 | 345.8 | 329.4 | 292.4 | 241.4 | 146.4 | 0.0 | 0.0 | 0.0 |
| 55° | 111.8 | 108.1 | 105.3 | 115.1 | 112.8 | 126.8 | 104.8 | 34.2 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.5 | 1.9 | 4.2 | 5.6 | 0.0 | 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 | 0.5 | 0.5 |
| 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 | 0.5 | 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 | 0.5 | 0.5 | 0.5 | 0.5 | 0.9 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.9 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.9 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.9 |
| 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):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|-------|--------|-------|
| 0° | 296.2 | 296.2 | 296.2 | 296.2 |
| 2.5° | 237.2 | 182.0 | 147.4 | 149.7 |
| 5° | 166.6 | 84.2 | 51.9 | 42.1 |
| 7.5° | 99.7 | 25.7 | 5.1 | 4.2 |
| 10° | 46.8 | 4.2 | 4.7 | 5.6 |
| 12.5° | 14.0 | 3.7 | 5.1 | 4.7 |
| 15° | 3.7 | 4.2 | 2.3 | 1.4 |
| 17.5° | 1.4 | 1.9 | 0.0 | 0.0 |
| 20° | 0.9 | 0.0 | 0.0 | 0.0 |
| 21° | 0.9 | 0.0 | 0.0 | 0.0 |
| 22° | 0.5 | 0.0 | 0.0 | 0.0 |
| 23° | 0.0 | 0.0 | 0.0 | 0.0 |
| 24° | 0.0 | 0.0 | 0.0 | 0.0 |
| 25° | 0.0 | 0.0 | 0.0 | 0.0 |
| 26° | 0.0 | 0.0 | 0.0 | 0.0 |
| 27° | 0.0 | 0.0 | 0.0 | 0.0 |
| 28° | 0.0 | 0.0 | 0.0 | 0.0 |
| 29° | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 0.0 | 0.0 | 0.0 | 0.0 |
| 31° | 0.0 | 0.0 | 0.0 | 0.0 |
| 32° | 0.0 | 0.0 | 0.0 | 0.0 |
| 33° | 0.0 | 0.0 | 0.0 | 0.0 |
| 34° | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 0.0 | 0.0 | 0.0 |
| 36° | 0.0 | 0.0 | 0.0 | 0.0 |
| 37° | 0.0 | 0.0 | 0.0 | 0.0 |
| 38° | 0.0 | 0.0 | 0.0 | 0.0 |
| 39° | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.5 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.5 | 0.0 | 0.0 | 0.0 |
| 70° | 0.5 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.5 | 0.0 | 0.0 | 0.0 |
| 75° | 0.5 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.5 | 0.0 | 0.0 | 0.0 |
| 80° | 0.5 | 0.5 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 82.5° | 0.5 | 0.5 | 0.0 | 0.0 |
| 85° | 0.5 | 0.5 | 0.0 | 0.0 |
| 87.5° | 0.5 | 0.5 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)