

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: P1306655

Luminaire Tested: LDSQA3D02R309024DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309024DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

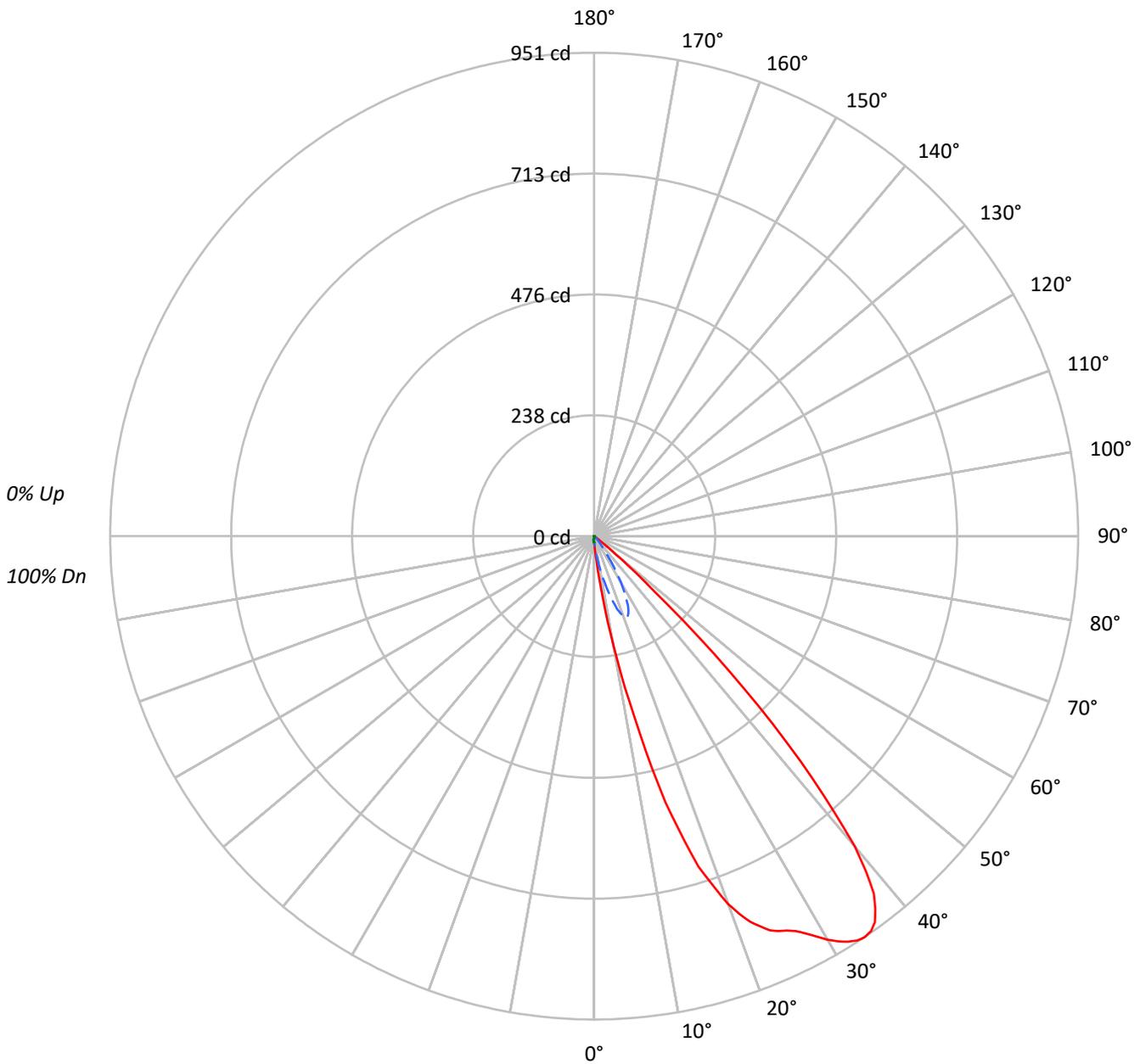
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 229.0 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 2.42 / 0.46 / 1.22
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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 | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 95 | 93 | 92 | | | | 92 |
| 2 | 106 | 100 | 96 | 92 | 104 | 98 | 94 | 91 | 95 | 92 | 89 | 92 | 89 | 87 | 89 | 87 | 85 | 83 | | | | 83 |
| 3 | 99 | 92 | 86 | 81 | 97 | 90 | 85 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 83 | 80 | 77 | 75 | | | | 75 |
| 4 | 93 | 84 | 78 | 73 | 91 | 83 | 77 | 72 | 81 | 75 | 71 | 78 | 74 | 70 | 77 | 73 | 70 | 68 | | | | 68 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 70 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 61 | | | | 61 |
| 6 | 81 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 61 | 57 | 55 | | | | 55 |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 53 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 50 | | | | 50 |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 52 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 | | | | 45 |
| 9 | 66 | 55 | 48 | 43 | 65 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 51 | 46 | 43 | 41 | | | | 41 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 43 | 39 | 37 | | | | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0° | 2101 | 2101 | 2101 | 2101 | 2101 |
| 5° | 7659 | 4754 | 1936 | 778 | 553 |
| 10° | 37879 | 11385 | 1504 | 157 | 0 |
| 15° | 96638 | 21681 | 963 | 0 | 0 |
| 20° | 141195 | 30845 | 385 | 0 | 0 |
| 25° | 162910 | 30252 | 76 | 0 | 0 |
| 30° | 182320 | 20762 | 0 | 0 | 0 |
| 35° | 199396 | 8956 | 0 | 0 | 0 |
| 40° | 178957 | 3485 | 0 | 0 | 0 |
| 45° | 91384 | 1413 | 0 | 0 | 0 |
| 50° | 14120 | 161 | 0 | 0 | 0 |
| 55° | 841 | 0 | 60 | 0 | 0 |
| 60° | 0 | 0 | 69 | 0 | 0 |
| 65° | 0 | 0 | 163 | 0 | 0 |
| 70° | 0 | 101 | 201 | 0 | 0 |
| 75° | 0 | 133 | 399 | 0 | 0 |
| 80° | 0 | 198 | 595 | 0 | 0 |
| 85° | 0 | 395 | 1186 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 91384 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 2.6 | 1.1 |
| 10°-20° | 30.5 | 13.3 |
| 20°-30° | 75.4 | 32.9 |
| 30°-40° | 86.7 | 37.9 |
| 40°-50° | 32.2 | 14.0 |
| 50°-60° | 1.2 | 0.5 |
| 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° | 108.5 | 47.4 |
| 0°-40° | 195.2 | 85.2 |
| 0°-60° | 228.5 | 99.8 |
| 0°-90° | 229.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 229.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 12 | 12 | 12 | 12 | 12 | |
| 5° | 44 | 28 | 11 | 4 | 3 | 10 |
| 15° | 542 | 122 | 5 | 0 | 0 | 156 |
| 25° | 857 | 159 | 0 | 0 | 0 | 396 |
| 35° | 948 | 43 | 0 | 0 | 0 | 575 |
| 45° | 375 | 6 | 0 | 0 | 0 | 292 |
| 55° | 3 | 0 | 0 | 0 | 0 | 10 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 1 | 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° | 45° | 67.5° | 90° | 112.5° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|
| 0° | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 |
| 2.5° | 21.7 | 21.9 | 21.9 | 21.3 | 21.1 | 20.8 | 20.2 | 18.3 | 15.3 | 12.2 | 9.9 |
| 5° | 44.3 | 44.5 | 44.5 | 43.2 | 40.6 | 38.0 | 35.9 | 27.5 | 17.6 | 11.2 | 7.3 |
| 7.5° | 104.4 | 104.7 | 100.1 | 95.0 | 84.7 | 79.3 | 69.4 | 42.3 | 20.0 | 10.1 | 4.7 |
| 10° | 216.6 | 211.9 | 200.1 | 185.0 | 169.1 | 148.5 | 127.7 | 65.1 | 21.7 | 8.6 | 3.0 |
| 12.5° | 362.1 | 357.6 | 342.3 | 320.9 | 289.7 | 249.3 | 209.7 | 91.5 | 21.9 | 6.9 | 1.7 |
| 15° | 542.0 | 529.3 | 511.0 | 475.4 | 429.4 | 366.8 | 301.5 | 121.6 | 21.1 | 5.4 | 0.4 |
| 17.5° | 681.5 | 669.9 | 646.6 | 605.0 | 547.8 | 478.4 | 398.2 | 150.2 | 18.7 | 3.4 | 0.0 |
| 20° | 770.4 | 758.2 | 736.5 | 699.7 | 638.9 | 557.5 | 465.7 | 168.3 | 15.5 | 2.1 | 0.0 |
| 21° | 795.8 | 784.0 | 762.7 | 726.2 | 665.6 | 584.3 | 482.2 | 172.1 | 14.0 | 1.7 | 0.0 |
| 22° | 818.1 | 808.9 | 789.1 | 749.4 | 687.7 | 604.1 | 499.0 | 172.6 | 12.9 | 1.3 | 0.0 |
| 23° | 833.8 | 827.2 | 807.4 | 770.9 | 709.4 | 620.2 | 508.0 | 170.0 | 11.6 | 0.9 | 0.0 |
| 24° | 848.9 | 840.7 | 823.7 | 789.8 | 726.6 | 633.8 | 516.2 | 165.3 | 10.3 | 0.6 | 0.0 |
| 25° | 857.3 | 847.8 | 834.7 | 802.9 | 740.8 | 642.3 | 521.1 | 159.2 | 9.0 | 0.4 | 0.0 |
| 26° | 863.1 | 855.7 | 841.3 | 810.6 | 746.8 | 647.9 | 521.8 | 150.4 | 8.2 | 0.2 | 0.0 |
| 27° | 871.9 | 864.6 | 850.6 | 817.5 | 749.4 | 647.1 | 517.9 | 140.3 | 7.1 | 0.0 | 0.0 |
| 28° | 885.2 | 875.5 | 861.6 | 824.8 | 750.4 | 643.4 | 509.3 | 129.4 | 6.0 | 0.0 | 0.0 |
| 29° | 900.4 | 890.6 | 875.3 | 834.5 | 750.7 | 636.1 | 495.8 | 117.3 | 5.4 | 0.0 | 0.0 |
| 30° | 916.8 | 908.2 | 892.7 | 843.9 | 753.0 | 626.7 | 480.1 | 104.4 | 4.3 | 0.0 | 0.0 |
| 31° | 929.7 | 921.9 | 905.4 | 852.5 | 755.0 | 618.5 | 460.8 | 91.5 | 3.7 | 0.0 | 0.0 |
| 32° | 940.8 | 934.0 | 913.6 | 854.5 | 751.1 | 606.9 | 440.1 | 79.1 | 3.0 | 0.0 | 0.0 |
| 33° | 948.6 | 940.0 | 916.1 | 849.5 | 739.9 | 587.8 | 417.1 | 67.3 | 2.4 | 0.0 | 0.0 |
| 34° | 951.4 | 941.1 | 912.3 | 836.6 | 717.3 | 558.8 | 387.3 | 55.0 | 1.9 | 0.0 | 0.0 |
| 35° | 948.4 | 935.7 | 898.3 | 814.5 | 686.8 | 524.2 | 351.4 | 42.6 | 1.5 | 0.0 | 0.0 |
| 36° | 938.7 | 922.6 | 878.3 | 782.9 | 643.2 | 483.3 | 315.5 | 33.1 | 1.1 | 0.0 | 0.0 |
| 37° | 917.9 | 900.0 | 844.1 | 741.2 | 600.0 | 436.5 | 274.6 | 25.8 | 0.6 | 0.0 | 0.0 |
| 38° | 892.3 | 866.5 | 798.6 | 688.6 | 544.1 | 383.8 | 234.2 | 21.3 | 0.4 | 0.0 | 0.0 |
| 39° | 848.7 | 820.3 | 744.4 | 627.9 | 489.3 | 333.7 | 194.9 | 18.5 | 0.2 | 0.0 | 0.0 |
| 40° | 796.0 | 762.3 | 682.5 | 563.0 | 424.7 | 281.3 | 162.7 | 15.5 | 0.2 | 0.0 | 0.0 |
| 42.5° | 600.4 | 571.9 | 486.1 | 383.0 | 259.6 | 165.9 | 90.3 | 10.1 | 0.0 | 0.0 | 0.0 |
| 45° | 375.2 | 345.4 | 287.3 | 210.0 | 140.5 | 86.0 | 43.4 | 5.8 | 0.0 | 0.0 | 0.0 |
| 47.5° | 153.2 | 140.5 | 115.6 | 89.0 | 63.6 | 40.4 | 18.1 | 2.6 | 0.0 | 0.0 | 0.0 |
| 50° | 52.7 | 46.8 | 39.3 | 28.8 | 20.4 | 14.0 | 9.5 | 0.6 | 0.0 | 0.0 | 0.0 |
| 52.5° | 15.3 | 15.5 | 13.5 | 11.6 | 9.0 | 6.4 | 4.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 2.8 | 2.4 | 2.8 | 2.6 | 2.8 | 2.4 | 1.7 | 0.0 | 0.0 | 0.2 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.2 | 0.2 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.2 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.4 | 0.2 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.4 | 0.2 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.6 | 0.2 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.6 | 0.2 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.6 | 0.2 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.6 | 0.2 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|--------|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.6 | 0.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.6 | 0.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.6 | 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):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0° | 12.2 | 12.2 | 12.2 |
| 2.5° | 8.0 | 7.1 | 6.7 |
| 5° | 4.5 | 3.4 | 3.2 |
| 7.5° | 2.4 | 1.5 | 1.3 |
| 10° | 0.9 | 0.2 | 0.0 |
| 12.5° | 0.0 | 0.0 | 0.0 |
| 15° | 0.0 | 0.0 | 0.0 |
| 17.5° | 0.0 | 0.0 | 0.0 |
| 20° | 0.0 | 0.0 | 0.0 |
| 21° | 0.0 | 0.0 | 0.0 |
| 22° | 0.0 | 0.0 | 0.0 |
| 23° | 0.0 | 0.0 | 0.0 |
| 24° | 0.0 | 0.0 | 0.0 |
| 25° | 0.0 | 0.0 | 0.0 |
| 26° | 0.0 | 0.0 | 0.0 |
| 27° | 0.0 | 0.0 | 0.0 |
| 28° | 0.0 | 0.0 | 0.0 |
| 29° | 0.0 | 0.0 | 0.0 |
| 30° | 0.0 | 0.0 | 0.0 |
| 31° | 0.0 | 0.0 | 0.0 |
| 32° | 0.0 | 0.0 | 0.0 |
| 33° | 0.0 | 0.0 | 0.0 |
| 34° | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 0.0 | 0.0 |
| 36° | 0.0 | 0.0 | 0.0 |
| 37° | 0.0 | 0.0 | 0.0 |
| 38° | 0.0 | 0.0 | 0.0 |
| 39° | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)