

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: P1316093

Luminaire Tested: LDSQA3D02R309740DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316093
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: LDSQA3D02R309740DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

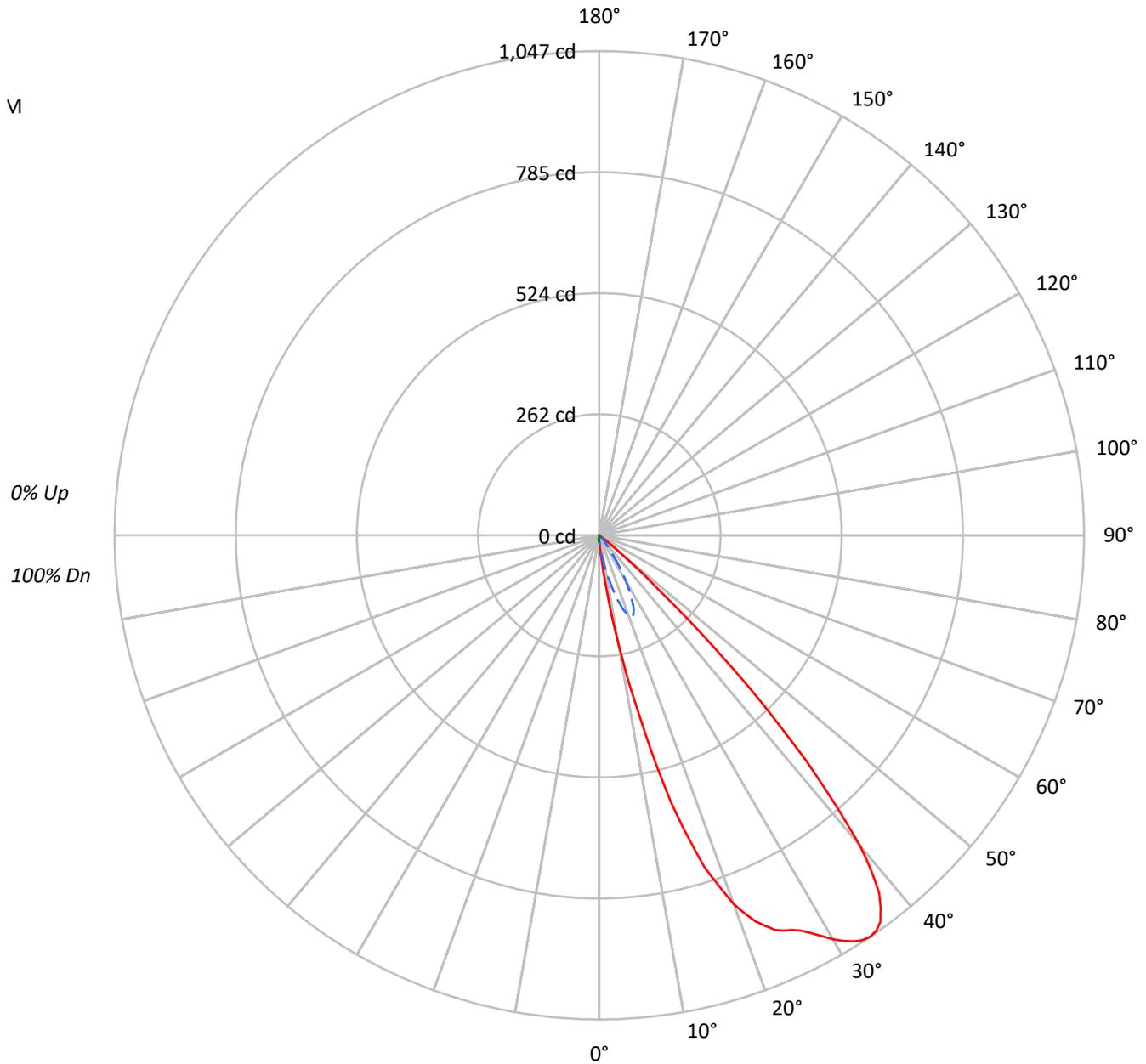
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 252.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
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 | |
| 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 | | | | |
| 1 | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 95 | 93 | 92 | | | | |
| 2 | 106 | 100 | 96 | 92 | 104 | 98 | 94 | 91 | 95 | 92 | 89 | 92 | 89 | 87 | 89 | 87 | 85 | 83 | | | | |
| 3 | 99 | 92 | 86 | 81 | 97 | 90 | 85 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 83 | 80 | 77 | 75 | | | | |
| 4 | 93 | 84 | 78 | 73 | 91 | 83 | 77 | 72 | 81 | 75 | 71 | 78 | 74 | 70 | 76 | 73 | 70 | 68 | | | | |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 70 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 61 | | | | |
| 6 | 81 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 61 | 57 | 55 | | | | |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 53 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 50 | | | | |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 52 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 | | | | |
| 9 | 66 | 55 | 48 | 43 | 65 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 51 | 46 | 43 | 41 | | | | |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 43 | 39 | 37 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0° | 2325 | 2325 | 2325 | 2325 | 2325 |
| 5° | 8419 | 5238 | 2126 | 864 | 605 |
| 10° | 41691 | 12539 | 1661 | 157 | 0 |
| 15° | 106337 | 23874 | 1052 | 0 | 0 |
| 20° | 155381 | 33943 | 440 | 0 | 0 |
| 25° | 179271 | 33293 | 95 | 0 | 0 |
| 30° | 200635 | 22850 | 0 | 0 | 0 |
| 35° | 219412 | 9839 | 0 | 0 | 0 |
| 40° | 196943 | 3822 | 0 | 0 | 0 |
| 45° | 100566 | 1559 | 0 | 0 | 0 |
| 50° | 15513 | 188 | 0 | 0 | 0 |
| 55° | 931 | 0 | 60 | 0 | 0 |
| 60° | 0 | 0 | 69 | 0 | 0 |
| 65° | 0 | 0 | 204 | 0 | 0 |
| 70° | 0 | 101 | 252 | 0 | 0 |
| 75° | 0 | 133 | 466 | 0 | 0 |
| 80° | 0 | 198 | 694 | 0 | 0 |
| 85° | 0 | 395 | 1383 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 100566 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 2.8 | 1.1 |
| 10°-20° | 33.6 | 13.3 |
| 20°-30° | 83.0 | 32.9 |
| 30°-40° | 95.4 | 37.9 |
| 40°-50° | 35.4 | 14.0 |
| 50°-60° | 1.3 | 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° | 119.4 | 47.4 |
| 0°-40° | 214.8 | 85.2 |
| 0°-60° | 251.5 | 99.8 |
| 0°-90° | 252.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 252.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 14 | 14 | 14 | 14 | 14 | |
| 5° | 49 | 30 | 12 | 5 | 4 | 11 |
| 15° | 596 | 134 | 6 | 0 | 0 | 171 |
| 25° | 943 | 175 | 0 | 0 | 0 | 436 |
| 35° | 1044 | 47 | 0 | 0 | 0 | 633 |
| 45° | 413 | 6 | 0 | 0 | 0 | 322 |
| 55° | 3 | 0 | 0 | 0 | 0 | 11 |
| 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 | |



TEST NUMBER: P1316093
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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|------|--------|
| 0° | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 |
| 2.5° | 23.9 | 24.1 | 24.1 | 23.4 | 23.2 | 22.9 | 22.2 | 20.1 | 16.8 | 13.5 | 10.9 |
| 5° | 48.7 | 49.0 | 49.0 | 47.5 | 44.7 | 41.9 | 39.5 | 30.3 | 19.4 | 12.3 | 8.0 |
| 7.5° | 114.9 | 115.2 | 110.2 | 104.5 | 93.2 | 87.3 | 76.4 | 46.6 | 22.0 | 11.1 | 5.2 |
| 10° | 238.4 | 233.2 | 220.2 | 203.6 | 186.1 | 163.4 | 140.5 | 71.7 | 23.9 | 9.5 | 3.3 |
| 12.5° | 398.5 | 393.5 | 376.7 | 353.1 | 318.8 | 274.3 | 230.8 | 100.7 | 24.1 | 7.6 | 1.9 |
| 15° | 596.4 | 582.5 | 562.4 | 523.1 | 472.5 | 403.7 | 331.8 | 133.9 | 23.2 | 5.9 | 0.5 |
| 17.5° | 749.9 | 737.1 | 711.6 | 665.7 | 602.8 | 526.4 | 438.2 | 165.3 | 20.6 | 3.8 | 0.0 |
| 20° | 847.8 | 834.3 | 810.4 | 770.0 | 703.1 | 613.5 | 512.5 | 185.2 | 17.0 | 2.4 | 0.0 |
| 21° | 875.7 | 862.7 | 839.3 | 799.1 | 732.4 | 643.0 | 530.7 | 189.4 | 15.4 | 1.9 | 0.0 |
| 22° | 900.3 | 890.1 | 868.4 | 824.6 | 756.8 | 664.8 | 549.1 | 189.9 | 14.2 | 1.4 | 0.0 |
| 23° | 917.6 | 910.2 | 888.5 | 848.3 | 780.6 | 682.5 | 559.1 | 187.1 | 12.8 | 0.9 | 0.0 |
| 24° | 934.1 | 925.1 | 906.5 | 869.1 | 799.6 | 697.4 | 568.0 | 181.9 | 11.4 | 0.7 | 0.0 |
| 25° | 943.4 | 932.9 | 918.5 | 883.5 | 815.2 | 706.9 | 573.5 | 175.2 | 9.9 | 0.5 | 0.0 |
| 26° | 949.7 | 941.7 | 925.9 | 892.0 | 821.8 | 713.0 | 574.2 | 165.5 | 9.0 | 0.2 | 0.0 |
| 27° | 959.4 | 951.4 | 936.0 | 899.6 | 824.6 | 712.1 | 569.9 | 154.4 | 7.8 | 0.0 | 0.0 |
| 28° | 974.1 | 963.5 | 948.1 | 907.6 | 825.8 | 708.0 | 560.5 | 142.4 | 6.6 | 0.0 | 0.0 |
| 29° | 990.9 | 980.0 | 963.2 | 918.3 | 826.1 | 700.0 | 545.6 | 129.1 | 5.9 | 0.0 | 0.0 |
| 30° | 1008.9 | 999.4 | 982.4 | 928.7 | 828.7 | 689.6 | 528.3 | 114.9 | 4.7 | 0.0 | 0.0 |
| 31° | 1023.0 | 1014.5 | 996.3 | 938.1 | 830.8 | 680.6 | 507.0 | 100.7 | 4.0 | 0.0 | 0.0 |
| 32° | 1035.3 | 1027.8 | 1005.3 | 940.3 | 826.5 | 667.8 | 484.3 | 87.0 | 3.3 | 0.0 | 0.0 |
| 33° | 1043.9 | 1034.4 | 1008.1 | 934.8 | 814.2 | 646.8 | 459.0 | 74.0 | 2.6 | 0.0 | 0.0 |
| 34° | 1046.9 | 1035.6 | 1003.9 | 920.6 | 789.4 | 614.9 | 426.2 | 60.5 | 2.1 | 0.0 | 0.0 |
| 35° | 1043.6 | 1029.7 | 988.5 | 896.3 | 755.8 | 576.8 | 386.7 | 46.8 | 1.7 | 0.0 | 0.0 |
| 36° | 1033.0 | 1015.2 | 966.5 | 861.5 | 707.8 | 531.9 | 347.2 | 36.4 | 1.2 | 0.0 | 0.0 |
| 37° | 1010.0 | 990.4 | 928.9 | 815.6 | 660.3 | 480.3 | 302.2 | 28.4 | 0.7 | 0.0 | 0.0 |
| 38° | 981.9 | 953.5 | 878.8 | 757.7 | 598.8 | 422.4 | 257.8 | 23.4 | 0.5 | 0.0 | 0.0 |
| 39° | 933.9 | 902.7 | 819.2 | 691.0 | 538.5 | 367.3 | 214.5 | 20.3 | 0.2 | 0.0 | 0.0 |
| 40° | 876.0 | 838.8 | 751.1 | 619.6 | 467.3 | 309.6 | 179.0 | 17.0 | 0.2 | 0.0 | 0.0 |
| 42.5° | 660.7 | 629.3 | 534.9 | 421.4 | 285.7 | 182.6 | 99.3 | 11.1 | 0.0 | 0.0 | 0.0 |
| 45° | 412.9 | 380.0 | 316.2 | 231.0 | 154.7 | 94.6 | 47.8 | 6.4 | 0.0 | 0.0 | 0.0 |
| 47.5° | 168.6 | 154.7 | 127.2 | 97.9 | 70.0 | 44.5 | 19.9 | 2.8 | 0.0 | 0.0 | 0.0 |
| 50° | 57.9 | 51.6 | 43.3 | 31.7 | 22.5 | 15.4 | 10.4 | 0.7 | 0.0 | 0.0 | 0.0 |
| 52.5° | 16.8 | 17.0 | 14.9 | 12.8 | 9.9 | 7.1 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 3.1 | 2.6 | 3.1 | 2.8 | 3.1 | 2.6 | 1.9 | 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 | 0.5 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.2 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.5 | 0.2 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.5 | 0.2 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.7 | 0.2 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.7 | 0.2 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.7 | 0.2 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.7 | 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 | 0.5 | 0.7 | 0.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.7 | 0.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.7 | 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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CATALOG NUMBER: LDSQA3D02R309740DE010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0° | 13.5 | 13.5 | 13.5 |
| 2.5° | 8.8 | 7.8 | 7.3 |
| 5° | 5.0 | 3.8 | 3.5 |
| 7.5° | 2.6 | 1.7 | 1.4 |
| 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)