

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: P1315105

Luminaire Tested: LDSQA3D02R259735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315105
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R259735DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

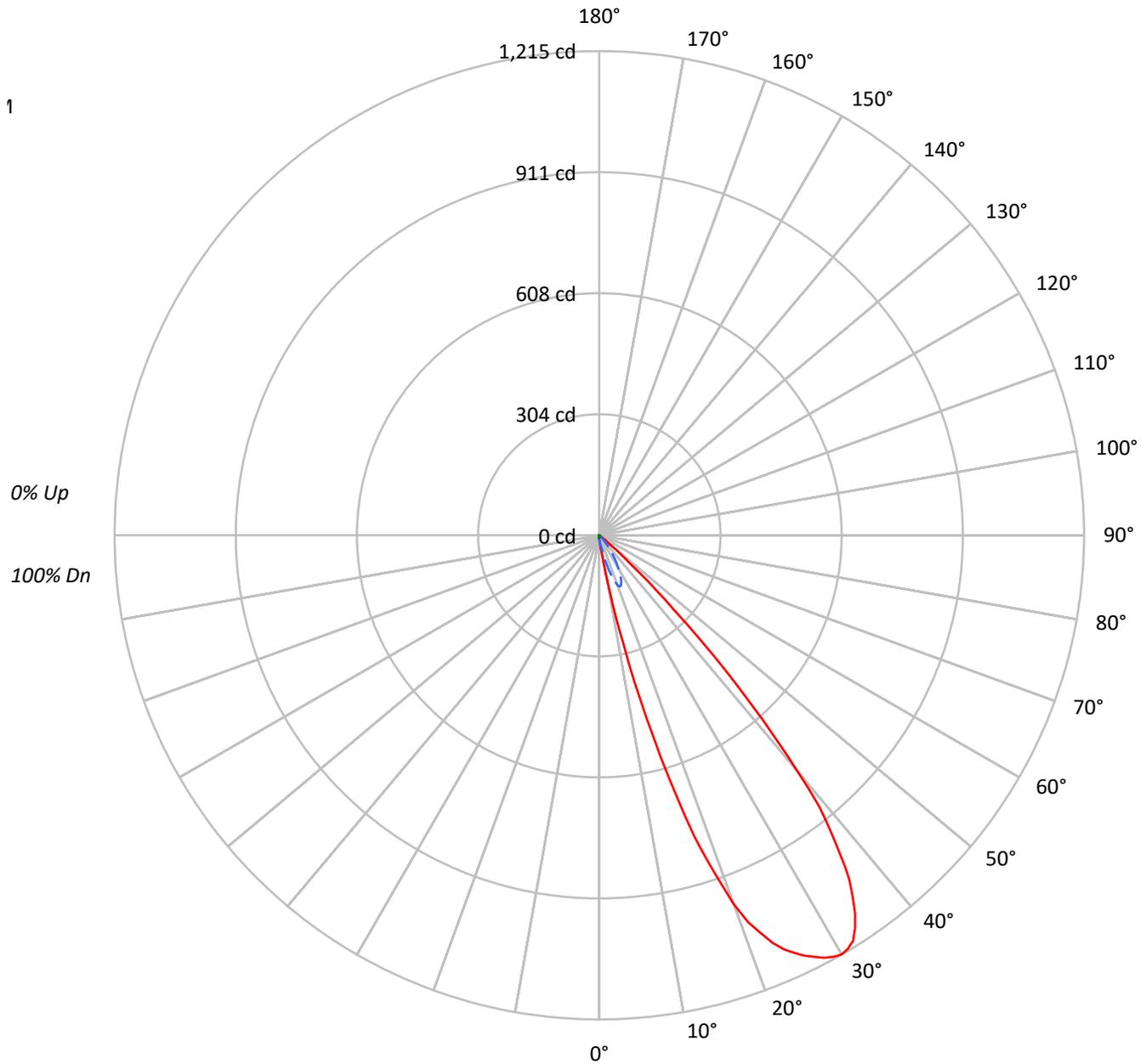
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 243.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
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 (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



— 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 | 95 | 92 | 103 | 98 | 94 | 90 | 95 | 92 | 88 | 92 | 89 | 87 | 89 | 87 | 85 | 83 | | | | 83 |
| 3 | 99 | 92 | 86 | 81 | 97 | 90 | 85 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 83 | 79 | 77 | 75 | | | | 75 |
| 4 | 93 | 84 | 77 | 72 | 91 | 83 | 77 | 72 | 80 | 75 | 71 | 78 | 74 | 70 | 76 | 73 | 69 | 68 | | | | 68 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 69 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 61 | | | | 61 |
| 6 | 81 | 71 | 63 | 58 | 79 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 60 | 57 | 55 | | | | 55 |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 52 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 50 | | | | 50 |
| 8 | 71 | 60 | 52 | 48 | 70 | 59 | 52 | 47 | 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 | 42 | 41 | | | | 41 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 42 | 39 | 37 | | | | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0° | 1791 | 1791 | 1791 | 1791 | 1791 |
| 5° | 4512 | 3337 | 1677 | 864 | 674 |
| 10° | 19709 | 5666 | 1382 | 402 | 280 |
| 15° | 93696 | 15280 | 963 | 160 | 125 |
| 20° | 180380 | 24467 | 623 | 37 | 37 |
| 25° | 219690 | 24684 | 342 | 0 | 0 |
| 30° | 241542 | 18892 | 139 | 0 | 0 |
| 35° | 232762 | 12005 | 42 | 0 | 0 |
| 40° | 173921 | 5193 | 0 | 0 | 45 |
| 45° | 64397 | 1388 | 49 | 49 | 170 |
| 50° | 7582 | 188 | 134 | 134 | 241 |
| 55° | 751 | 0 | 150 | 210 | 330 |
| 60° | 69 | 0 | 241 | 310 | 379 |
| 65° | 82 | 82 | 367 | 448 | 571 |
| 70° | 101 | 101 | 453 | 453 | 705 |
| 75° | 133 | 133 | 466 | 466 | 599 |
| 80° | 0 | 198 | 694 | 496 | 694 |
| 85° | 0 | 395 | 1383 | 395 | 395 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 64397 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1.5 | 0.6 |
| 10°-20° | 28.3 | 11.7 |
| 20°-30° | 88.9 | 36.6 |
| 30°-40° | 93.6 | 38.5 |
| 40°-50° | 27.5 | 11.3 |
| 50°-60° | 1.5 | 0.6 |
| 60°-70° | 0.7 | 0.3 |
| 70°-80° | 0.6 | 0.3 |
| 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° | 118.8 | 48.9 |
| 0°-40° | 212.4 | 87.4 |
| 0°-60° | 241.4 | 99.3 |
| 0°-90° | 243.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 243.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 10 | 10 | 10 | 10 | 10 | |
| 5° | 26 | 19 | 10 | 5 | 4 | 5 |
| 15° | 526 | 86 | 5 | 1 | 1 | 166 |
| 25° | 1156 | 130 | 2 | 0 | 0 | 530 |
| 35° | 1107 | 57 | 0 | 0 | 0 | 668 |
| 45° | 264 | 6 | 0 | 0 | 1 | 240 |
| 55° | 2 | 0 | 0 | 1 | 1 | 6 |
| 65° | 0 | 0 | 1 | 1 | 1 | 0 |
| 75° | 0 | 0 | 1 | 1 | 1 | 0 |
| 85° | 0 | 0 | 1 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1315105

CATALOG NUMBER: LDSQA3D02R259735DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|--------|
| 0° | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 |
| 2.5° | 16.1 | 16.3 | 15.6 | 16.1 | 15.6 | 15.4 | 15.2 | 14.1 | 12.2 | 10.4 | 8.6 |
| 5° | 26.1 | 26.1 | 24.9 | 24.7 | 24.3 | 23.4 | 22.4 | 19.3 | 13.8 | 9.7 | 6.8 |
| 7.5° | 40.8 | 40.6 | 40.1 | 39.0 | 36.7 | 34.5 | 32.2 | 25.2 | 15.2 | 9.1 | 5.2 |
| 10° | 112.7 | 111.1 | 109.1 | 96.8 | 83.0 | 70.7 | 60.1 | 32.4 | 16.3 | 7.9 | 3.9 |
| 12.5° | 280.0 | 270.9 | 249.4 | 224.9 | 193.6 | 160.7 | 128.6 | 52.8 | 16.8 | 6.6 | 2.7 |
| 15° | 525.5 | 506.7 | 473.2 | 424.2 | 360.3 | 288.4 | 227.2 | 85.7 | 16.3 | 5.4 | 2.0 |
| 17.5° | 793.5 | 775.4 | 728.9 | 654.5 | 560.5 | 450.0 | 341.7 | 113.6 | 15.2 | 4.5 | 1.4 |
| 20° | 984.2 | 964.9 | 921.4 | 842.5 | 740.7 | 593.6 | 449.8 | 133.5 | 14.3 | 3.4 | 0.7 |
| 21° | 1040.0 | 1020.7 | 974.7 | 898.5 | 791.5 | 643.9 | 484.5 | 136.9 | 13.6 | 2.9 | 0.5 |
| 22° | 1075.3 | 1064.0 | 1014.6 | 940.7 | 831.6 | 684.2 | 514.2 | 138.5 | 13.1 | 2.7 | 0.5 |
| 23° | 1110.9 | 1093.9 | 1047.7 | 969.7 | 862.2 | 714.2 | 536.2 | 137.4 | 12.7 | 2.3 | 0.2 |
| 24° | 1137.2 | 1123.0 | 1069.2 | 992.1 | 883.5 | 732.5 | 549.1 | 134.4 | 12.0 | 2.0 | 0.2 |
| 25° | 1156.1 | 1142.9 | 1086.9 | 1007.3 | 897.8 | 742.5 | 553.2 | 129.9 | 11.3 | 1.8 | 0.2 |
| 26° | 1174.0 | 1159.7 | 1101.6 | 1016.2 | 905.3 | 745.7 | 549.3 | 124.9 | 10.7 | 1.6 | 0.0 |
| 27° | 1186.9 | 1172.4 | 1111.8 | 1021.4 | 905.8 | 741.8 | 538.9 | 118.1 | 10.0 | 1.4 | 0.0 |
| 28° | 1200.7 | 1183.9 | 1118.9 | 1024.3 | 903.0 | 732.8 | 524.0 | 110.9 | 9.5 | 1.1 | 0.0 |
| 29° | 1209.1 | 1193.2 | 1126.1 | 1027.5 | 897.4 | 717.6 | 502.2 | 102.3 | 8.4 | 0.7 | 0.0 |
| 30° | 1214.6 | 1195.7 | 1125.4 | 1024.1 | 889.9 | 701.3 | 476.1 | 95.0 | 7.3 | 0.7 | 0.0 |
| 31° | 1210.0 | 1190.3 | 1118.2 | 1014.6 | 877.9 | 679.9 | 449.4 | 85.9 | 5.9 | 0.5 | 0.0 |
| 32° | 1200.3 | 1176.9 | 1105.5 | 998.0 | 856.3 | 652.5 | 421.7 | 78.4 | 4.3 | 0.5 | 0.0 |
| 33° | 1176.5 | 1156.7 | 1082.6 | 975.8 | 828.2 | 615.3 | 385.7 | 71.2 | 2.9 | 0.2 | 0.0 |
| 34° | 1146.5 | 1126.8 | 1051.3 | 946.1 | 790.6 | 567.3 | 341.9 | 63.7 | 2.5 | 0.2 | 0.0 |
| 35° | 1107.1 | 1087.6 | 1015.9 | 904.6 | 740.7 | 509.4 | 296.8 | 57.1 | 2.0 | 0.2 | 0.0 |
| 36° | 1065.6 | 1039.7 | 971.3 | 860.4 | 673.8 | 443.7 | 248.5 | 49.7 | 1.6 | 0.2 | 0.0 |
| 37° | 1004.6 | 987.1 | 911.2 | 793.1 | 601.5 | 380.7 | 213.3 | 42.9 | 1.1 | 0.2 | 0.0 |
| 38° | 941.4 | 925.3 | 851.1 | 725.3 | 520.8 | 318.3 | 178.7 | 36.3 | 0.9 | 0.0 | 0.0 |
| 39° | 876.1 | 849.3 | 776.1 | 638.4 | 436.2 | 266.6 | 150.3 | 30.4 | 0.5 | 0.0 | 0.0 |
| 40° | 773.6 | 753.2 | 675.0 | 534.2 | 360.9 | 216.1 | 128.1 | 23.1 | 0.5 | 0.0 | 0.0 |
| 42.5° | 512.8 | 493.8 | 411.7 | 289.8 | 191.8 | 126.3 | 84.6 | 9.1 | 0.0 | 0.2 | 0.0 |
| 45° | 264.4 | 252.3 | 205.0 | 151.7 | 108.8 | 77.5 | 54.4 | 5.7 | 0.0 | 0.2 | 0.2 |
| 47.5° | 105.0 | 102.9 | 93.0 | 80.3 | 61.9 | 46.0 | 29.7 | 2.5 | 0.0 | 0.2 | 0.2 |
| 50° | 28.3 | 28.6 | 26.8 | 24.7 | 22.4 | 21.1 | 12.5 | 0.7 | 0.0 | 0.5 | 0.2 |
| 52.5° | 12.0 | 12.2 | 11.8 | 11.1 | 10.0 | 7.5 | 5.0 | 0.2 | 0.2 | 0.5 | 0.5 |
| 55° | 2.5 | 2.7 | 2.9 | 3.2 | 3.6 | 3.2 | 2.0 | 0.0 | 0.2 | 0.5 | 0.5 |
| 57.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.7 | 0.7 | 0.5 | 0.0 | 0.2 | 0.5 | 0.7 |
| 60° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.5 | 0.7 | 0.7 |
| 62.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 | 0.7 | 0.9 |
| 65° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 | 0.9 | 0.9 |
| 67.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.7 | 0.9 | 0.9 |
| 70° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.7 | 0.9 | 0.9 |
| 72.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.7 | 0.9 | 0.7 |
| 75° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.7 | 0.7 | 0.7 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.5 | 0.7 | 0.7 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.5 | 0.7 | 0.5 |



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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 | 0.2 | 0.2 | 0.5 | 0.7 | 0.5 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.7 | 0.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.7 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0° | 10.4 | 10.4 | 10.4 |
| 2.5° | 7.3 | 6.6 | 6.3 |
| 5° | 5.0 | 4.3 | 3.9 |
| 7.5° | 3.4 | 2.7 | 2.5 |
| 10° | 2.3 | 1.8 | 1.6 |
| 12.5° | 1.6 | 0.9 | 0.9 |
| 15° | 0.9 | 0.7 | 0.7 |
| 17.5° | 0.5 | 0.2 | 0.2 |
| 20° | 0.2 | 0.2 | 0.2 |
| 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 | 0.2 |
| 39° | 0.0 | 0.2 | 0.2 |
| 40° | 0.0 | 0.2 | 0.2 |
| 42.5° | 0.0 | 0.2 | 0.5 |
| 45° | 0.2 | 0.5 | 0.7 |
| 47.5° | 0.5 | 0.7 | 0.9 |
| 50° | 0.5 | 0.9 | 0.9 |
| 52.5° | 0.7 | 0.9 | 1.1 |
| 55° | 0.7 | 1.1 | 1.1 |
| 57.5° | 0.9 | 1.1 | 1.4 |
| 60° | 0.9 | 1.1 | 1.1 |
| 62.5° | 0.9 | 1.4 | 1.4 |
| 65° | 1.1 | 1.4 | 1.4 |
| 67.5° | 1.1 | 1.4 | 1.4 |
| 70° | 0.9 | 1.1 | 1.4 |
| 72.5° | 0.9 | 1.1 | 1.1 |
| 75° | 0.7 | 0.9 | 0.9 |
| 77.5° | 0.7 | 0.7 | 0.9 |
| 80° | 0.5 | 0.7 | 0.7 |



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CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 0.5 | 0.5 | 0.5 |
| 85° | 0.2 | 0.2 | 0.2 |
| 87.5° | 0.2 | 0.2 | 0.2 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)