

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: P1320756

Luminaire Tested: LDSQA3D02R30B2750DE010 3LSQCA45R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-76)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R30B2750DE010 3LSQCA45R 1MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQCA45R 1MW TRIM
Light Source: -
Ballast/Driver: -

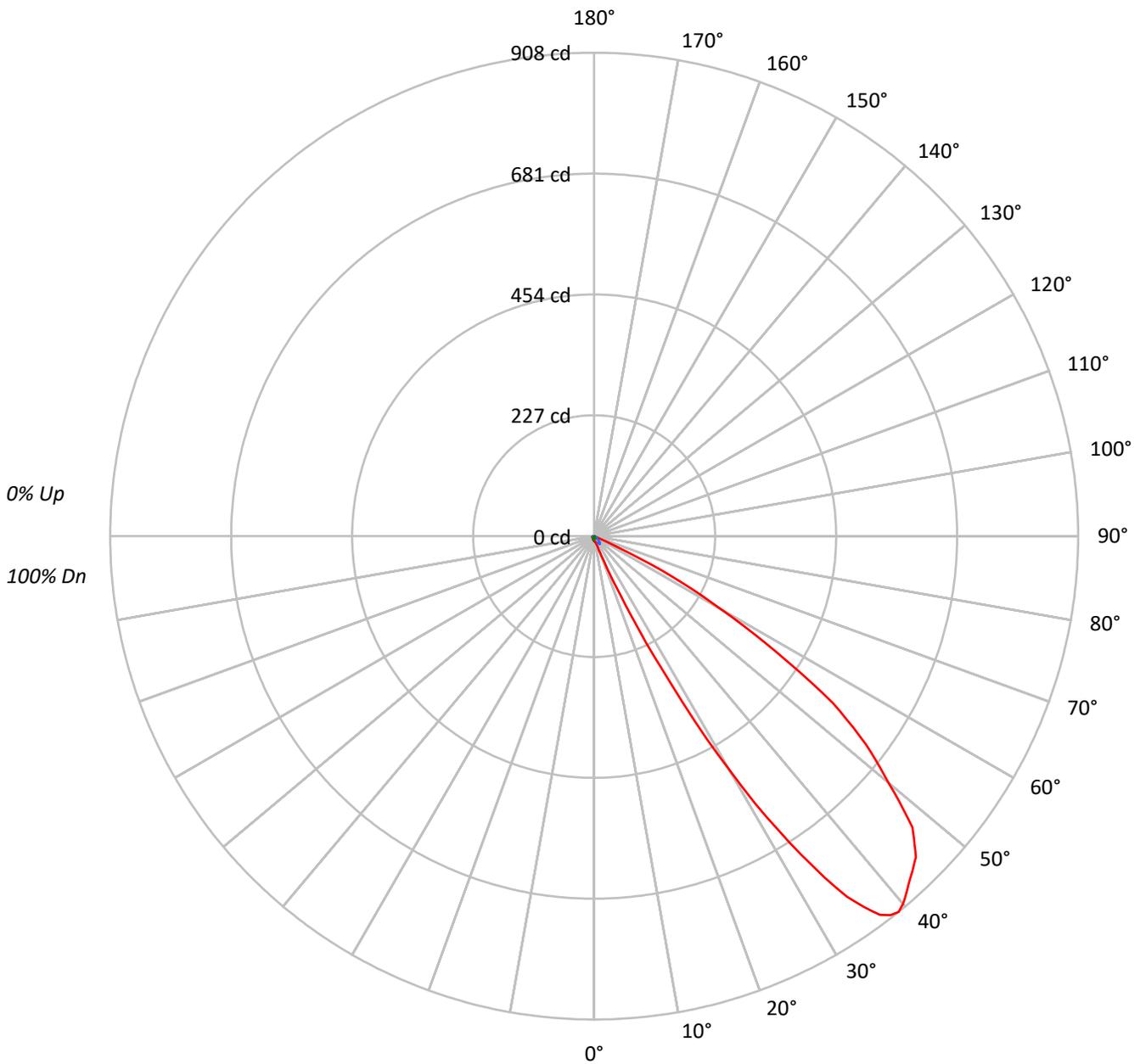
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 236.1 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 4.07 / 0.66 / 1.44
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 110 | 106 | 102 | 99 | 108 | 104 | 100 | 97 | 100 | 97 | 94 | 96 | 93 | 91 | 92 | 90 | 89 | 87 |
| 2 | 100 | 93 | 86 | 81 | 98 | 91 | 85 | 80 | 87 | 83 | 78 | 84 | 80 | 77 | 81 | 78 | 75 | 73 |
| 3 | 91 | 81 | 73 | 67 | 89 | 79 | 72 | 66 | 76 | 70 | 65 | 74 | 68 | 64 | 71 | 67 | 63 | 61 |
| 4 | 83 | 71 | 62 | 55 | 80 | 69 | 61 | 55 | 67 | 60 | 54 | 64 | 58 | 53 | 62 | 57 | 52 | 50 |
| 5 | 75 | 62 | 52 | 46 | 73 | 60 | 52 | 45 | 58 | 51 | 45 | 56 | 50 | 44 | 54 | 49 | 44 | 42 |
| 6 | 68 | 54 | 45 | 38 | 66 | 53 | 44 | 38 | 51 | 43 | 37 | 49 | 42 | 37 | 48 | 42 | 37 | 35 |
| 7 | 62 | 48 | 38 | 32 | 60 | 47 | 38 | 32 | 45 | 37 | 31 | 44 | 36 | 31 | 42 | 36 | 31 | 29 |
| 8 | 56 | 42 | 33 | 27 | 55 | 41 | 33 | 27 | 40 | 32 | 26 | 39 | 32 | 26 | 37 | 31 | 26 | 24 |
| 9 | 52 | 37 | 29 | 23 | 50 | 37 | 28 | 23 | 36 | 28 | 22 | 34 | 27 | 22 | 33 | 27 | 22 | 20 |
| 10 | 48 | 33 | 25 | 19 | 46 | 33 | 25 | 19 | 32 | 24 | 19 | 31 | 24 | 19 | 30 | 24 | 19 | 17 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|------|------|------|------|
| 0° | 1567 | 1567 | 1567 | 1567 | 1567 |
| 5° | 1677 | 1642 | 1539 | 1418 | 1383 |
| 10° | 1836 | 1626 | 1364 | 1224 | 1189 |
| 15° | 2692 | 1623 | 1141 | 1034 | 1070 |
| 20° | 6781 | 1778 | 880 | 880 | 990 |
| 25° | 31468 | 2223 | 684 | 798 | 912 |
| 30° | 100188 | 3082 | 517 | 756 | 915 |
| 35° | 173831 | 3763 | 420 | 715 | 925 |
| 40° | 202721 | 3755 | 315 | 719 | 944 |
| 45° | 207902 | 2655 | 341 | 779 | 1023 |
| 50° | 193339 | 1500 | 268 | 804 | 1179 |
| 55° | 164333 | 781 | 300 | 901 | 1321 |
| 60° | 94895 | 207 | 344 | 964 | 1447 |
| 65° | 19357 | 0 | 408 | 1141 | 1630 |
| 70° | 302 | 101 | 504 | 1309 | 1913 |
| 75° | 266 | 133 | 532 | 1331 | 2262 |
| 80° | 198 | 198 | 793 | 1587 | 2579 |
| 85° | 0 | 395 | 1581 | 1581 | 3162 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 207902 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 0.8 | 0.3 |
| 10°-20° | 2.4 | 1.0 |
| 20°-30° | 13.6 | 5.8 |
| 30°-40° | 63.6 | 26.9 |
| 40°-50° | 89.9 | 38.1 |
| 50°-60° | 55.3 | 23.4 |
| 60°-70° | 8.4 | 3.6 |
| 70°-80° | 1.3 | 0.6 |
| 80°-90° | 0.7 | 0.3 |
| 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° | 16.8 | 7.1 |
| 0°-40° | 80.4 | 34.1 |
| 0°-60° | 225.6 | 95.6 |
| 0°-90° | 236.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 236.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 9 | 9 | 9 | 9 | 9 | |
| 5° | 10 | 10 | 9 | 8 | 8 | 1 |
| 15° | 15 | 9 | 6 | 6 | 6 | 5 |
| 25° | 166 | 12 | 4 | 4 | 5 | 102 |
| 35° | 827 | 18 | 2 | 3 | 4 | 496 |
| 45° | 854 | 11 | 1 | 3 | 4 | 647 |
| 55° | 547 | 3 | 1 | 3 | 4 | 466 |
| 65° | 48 | 0 | 1 | 3 | 4 | 86 |
| 75° | 0 | 0 | 1 | 2 | 3 | 0 |
| 85° | 0 | 0 | 1 | 1 | 2 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1320756

CATALOG NUMBER: LDSQA3D02R30B2750DE010 3LSQCA45R 1MW_3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° |
|-------|-------|-------|-------|-------|-------|-------|------|-------|-----|--------|------|
| 0° | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| 2.5° | 9.3 | 9.3 | 9.5 | 9.5 | 9.3 | 9.5 | 9.5 | 9.5 | 9.1 | 8.9 | 8.5 |
| 5° | 9.7 | 9.7 | 9.7 | 9.9 | 9.7 | 9.7 | 9.5 | 9.3 | 8.9 | 8.3 | 8.2 |
| 7.5° | 10.1 | 10.1 | 9.9 | 10.1 | 9.9 | 9.9 | 9.5 | 9.1 | 8.5 | 8.0 | 7.6 |
| 10° | 10.5 | 10.5 | 10.3 | 10.3 | 10.1 | 10.1 | 9.3 | 8.7 | 7.8 | 7.2 | 7.0 |
| 12.5° | 11.7 | 11.7 | 11.5 | 11.3 | 10.9 | 10.7 | 9.1 | 8.2 | 7.0 | 6.4 | 6.2 |
| 15° | 15.1 | 14.9 | 14.5 | 13.9 | 12.9 | 12.7 | 9.1 | 7.6 | 6.4 | 5.8 | 5.8 |
| 17.5° | 20.7 | 20.5 | 19.9 | 18.3 | 16.5 | 15.9 | 9.1 | 6.8 | 5.6 | 5.2 | 5.2 |
| 20° | 37.0 | 35.4 | 32.4 | 28.4 | 24.3 | 22.1 | 9.7 | 6.0 | 4.8 | 4.6 | 4.8 |
| 21° | 48.3 | 46.7 | 42.9 | 36.4 | 29.0 | 26.6 | 10.1 | 5.8 | 4.6 | 4.4 | 4.8 |
| 22° | 65.8 | 64.0 | 56.3 | 47.3 | 36.8 | 32.6 | 10.3 | 5.4 | 4.2 | 4.2 | 4.6 |
| 23° | 91.8 | 88.9 | 75.7 | 61.4 | 45.9 | 40.0 | 10.7 | 5.2 | 4.0 | 4.2 | 4.4 |
| 24° | 120.3 | 117.7 | 102.8 | 81.3 | 58.6 | 50.1 | 11.1 | 5.0 | 3.8 | 3.8 | 4.2 |
| 25° | 165.6 | 162.6 | 136.2 | 102.6 | 74.3 | 60.2 | 11.7 | 4.6 | 3.6 | 3.6 | 4.2 |
| 26° | 224.2 | 210.5 | 175.3 | 132.2 | 91.6 | 75.5 | 12.3 | 4.4 | 3.4 | 3.6 | 4.0 |
| 27° | 279.9 | 268.6 | 229.0 | 169.6 | 113.3 | 92.8 | 13.1 | 4.2 | 3.2 | 3.4 | 4.0 |
| 28° | 353.1 | 337.2 | 287.3 | 214.5 | 142.7 | 112.3 | 13.9 | 4.0 | 3.0 | 3.4 | 3.8 |
| 29° | 435.0 | 412.7 | 352.5 | 265.0 | 175.9 | 134.2 | 14.7 | 3.8 | 2.8 | 3.2 | 3.8 |
| 30° | 503.8 | 482.9 | 422.6 | 324.8 | 214.1 | 163.0 | 15.5 | 3.6 | 2.6 | 3.2 | 3.8 |
| 31° | 584.5 | 552.9 | 479.9 | 375.5 | 246.9 | 191.8 | 16.3 | 3.2 | 2.4 | 3.0 | 3.6 |
| 32° | 649.9 | 627.8 | 550.3 | 432.8 | 290.0 | 223.6 | 16.9 | 3.0 | 2.4 | 3.0 | 3.6 |
| 33° | 713.1 | 683.5 | 608.5 | 487.6 | 329.0 | 256.2 | 17.5 | 2.8 | 2.2 | 2.8 | 3.6 |
| 34° | 773.5 | 746.3 | 663.6 | 532.0 | 365.8 | 287.3 | 17.9 | 2.4 | 2.2 | 2.8 | 3.4 |
| 35° | 826.8 | 795.2 | 712.1 | 575.3 | 403.6 | 315.5 | 17.9 | 2.2 | 2.0 | 2.6 | 3.4 |
| 36° | 861.4 | 838.7 | 754.2 | 618.1 | 437.7 | 342.3 | 17.9 | 2.0 | 1.8 | 2.6 | 3.2 |
| 37° | 891.0 | 864.6 | 788.0 | 650.9 | 463.0 | 363.8 | 17.9 | 1.8 | 1.8 | 2.6 | 3.2 |
| 38° | 903.1 | 880.5 | 811.3 | 679.9 | 486.7 | 385.7 | 17.7 | 1.6 | 1.6 | 2.4 | 3.2 |
| 39° | 907.9 | 887.6 | 828.8 | 700.8 | 504.1 | 400.4 | 17.3 | 1.4 | 1.6 | 2.4 | 3.2 |
| 40° | 901.7 | 886.4 | 837.7 | 714.3 | 518.1 | 411.1 | 16.7 | 1.2 | 1.4 | 2.4 | 3.2 |
| 42.5° | 876.3 | 866.2 | 835.7 | 727.8 | 530.0 | 419.1 | 14.5 | 0.8 | 1.4 | 2.2 | 3.2 |
| 45° | 853.6 | 842.5 | 815.7 | 713.7 | 514.5 | 403.4 | 10.9 | 0.4 | 1.4 | 2.2 | 3.2 |
| 47.5° | 809.7 | 802.7 | 781.7 | 677.7 | 480.5 | 368.0 | 7.8 | 0.2 | 1.2 | 2.0 | 3.0 |
| 50° | 721.6 | 715.1 | 687.2 | 588.4 | 413.3 | 311.1 | 5.6 | 0.2 | 1.0 | 2.0 | 3.0 |
| 52.5° | 642.7 | 635.8 | 595.8 | 489.2 | 317.5 | 228.0 | 3.6 | 0.2 | 1.0 | 2.0 | 3.0 |
| 55° | 547.3 | 535.2 | 482.7 | 371.4 | 225.0 | 152.9 | 2.6 | 0.2 | 1.0 | 1.8 | 3.0 |
| 57.5° | 405.1 | 387.5 | 340.5 | 253.3 | 129.6 | 82.9 | 1.4 | 0.2 | 1.0 | 1.8 | 3.0 |
| 60° | 275.5 | 265.0 | 213.1 | 133.6 | 55.3 | 35.0 | 0.6 | 0.2 | 1.0 | 1.8 | 2.8 |
| 62.5° | 167.0 | 153.7 | 107.2 | 56.9 | 23.9 | 15.9 | 0.0 | 0.4 | 1.0 | 1.8 | 2.8 |
| 65° | 47.5 | 42.1 | 28.0 | 12.9 | 6.8 | 5.2 | 0.0 | 0.4 | 1.0 | 1.8 | 2.8 |
| 67.5° | 1.6 | 1.6 | 1.6 | 1.4 | 1.0 | 1.0 | 0.2 | 0.4 | 1.0 | 1.8 | 2.6 |
| 70° | 0.6 | 0.6 | 0.6 | 0.4 | 0.4 | 0.2 | 0.2 | 0.4 | 1.0 | 1.6 | 2.6 |
| 72.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.4 | 0.8 | 1.4 | 2.4 |
| 75° | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.6 | 0.8 | 1.4 | 2.0 |
| 77.5° | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.6 | 0.8 | 1.2 | 2.0 |
| 80° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.6 | 0.8 | 1.2 | 1.6 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° |
|-------|-----|-----|-----|-----|-----|-------|-----|-------|-----|--------|------|
| 82.5° | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.2 | 0.6 | 0.8 | 0.8 | 1.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.6 | 0.8 | 0.6 | 0.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.6 | 0.6 | 0.6 | 0.4 |
| 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):

| | 157.5° | 180° |
|-------|--------|------|
| 0° | 9.1 | 9.1 |
| 2.5° | 8.5 | 8.5 |
| 5° | 8.0 | 8.0 |
| 7.5° | 7.4 | 7.4 |
| 10° | 6.8 | 6.8 |
| 12.5° | 6.4 | 6.4 |
| 15° | 5.8 | 6.0 |
| 17.5° | 5.4 | 5.6 |
| 20° | 5.2 | 5.4 |
| 21° | 5.2 | 5.4 |
| 22° | 5.0 | 5.2 |
| 23° | 5.0 | 5.2 |
| 24° | 4.8 | 5.0 |
| 25° | 4.6 | 4.8 |
| 26° | 4.6 | 4.8 |
| 27° | 4.6 | 4.8 |
| 28° | 4.4 | 4.8 |
| 29° | 4.4 | 4.6 |
| 30° | 4.4 | 4.6 |
| 31° | 4.2 | 4.6 |
| 32° | 4.2 | 4.6 |
| 33° | 4.2 | 4.4 |
| 34° | 4.0 | 4.4 |
| 35° | 4.0 | 4.4 |
| 36° | 4.0 | 4.4 |
| 37° | 4.0 | 4.2 |
| 38° | 4.0 | 4.4 |
| 39° | 4.0 | 4.2 |
| 40° | 4.0 | 4.2 |
| 42.5° | 4.0 | 4.2 |
| 45° | 4.0 | 4.2 |
| 47.5° | 4.0 | 4.4 |
| 50° | 4.0 | 4.4 |
| 52.5° | 4.0 | 4.4 |
| 55° | 4.0 | 4.4 |
| 57.5° | 4.0 | 4.2 |
| 60° | 4.0 | 4.2 |
| 62.5° | 3.8 | 4.2 |
| 65° | 3.8 | 4.0 |
| 67.5° | 3.8 | 4.0 |
| 70° | 3.6 | 3.8 |
| 72.5° | 3.4 | 3.6 |
| 75° | 3.0 | 3.4 |
| 77.5° | 2.8 | 3.0 |
| 80° | 2.4 | 2.6 |



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CANDELA DISTRIBUTION (continued):

| | 157.5° | 180° |
|-------|--------|------|
| 82.5° | 2.0 | 2.0 |
| 85° | 1.4 | 1.6 |
| 87.5° | 0.8 | 0.8 |
| 90° | 0.0 | 0.0 |

(END OF REPORT)