

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: P1317928

Luminaire Tested: LDSQA3D02R359830DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317928
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R359830DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

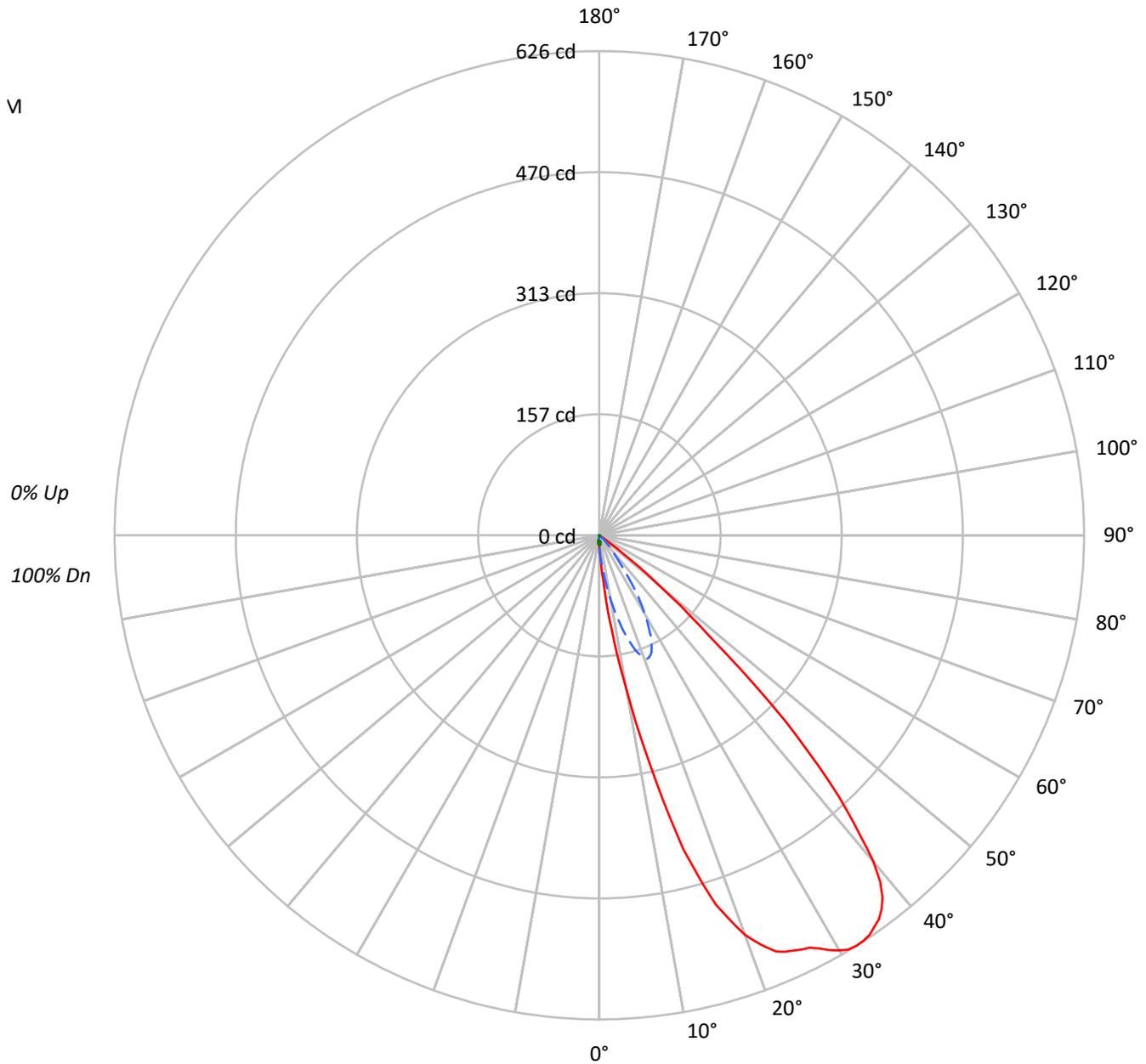
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 187.0 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
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 | 102 | 102 | 102 | 100 |
| 1 | 113 | 109 | 106 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 95 | 93 | 96 | 95 | 93 | 91 |
| 2 | 106 | 100 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 91 | 88 | 92 | 89 | 86 | 89 | 87 | 85 | 89 | 87 | 85 | 83 |
| 3 | 99 | 91 | 86 | 81 | 97 | 90 | 85 | 80 | 87 | 83 | 79 | 85 | 81 | 78 | 82 | 79 | 76 | 82 | 79 | 76 | 75 |
| 4 | 93 | 84 | 77 | 72 | 91 | 82 | 76 | 72 | 80 | 75 | 71 | 78 | 73 | 70 | 76 | 72 | 69 | 76 | 72 | 69 | 67 |
| 5 | 86 | 76 | 70 | 64 | 85 | 75 | 69 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 70 | 66 | 62 | 61 |
| 6 | 81 | 70 | 63 | 58 | 79 | 69 | 62 | 58 | 68 | 62 | 57 | 66 | 61 | 57 | 65 | 60 | 56 | 65 | 60 | 56 | 55 |
| 7 | 75 | 64 | 57 | 52 | 74 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 60 | 55 | 51 | 60 | 55 | 51 | 49 |
| 8 | 71 | 59 | 52 | 47 | 69 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 46 | 55 | 50 | 46 | 55 | 50 | 46 | 45 |
| 9 | 66 | 54 | 47 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 51 | 46 | 42 | 40 |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 39 | 48 | 42 | 38 | 47 | 42 | 38 | 47 | 42 | 38 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0° | 2428 | 2428 | 2428 | 2428 | 2428 |
| 5° | 10546 | 6535 | 2247 | 795 | 553 |
| 10° | 35501 | 14760 | 1679 | 192 | 70 |
| 15° | 75135 | 24213 | 1052 | 0 | 0 |
| 20° | 100728 | 30937 | 495 | 0 | 0 |
| 25° | 112591 | 30366 | 95 | 0 | 0 |
| 30° | 123257 | 23267 | 0 | 0 | 0 |
| 35° | 130079 | 12678 | 0 | 0 | 0 |
| 40° | 123651 | 5688 | 0 | 0 | 0 |
| 45° | 82981 | 2509 | 0 | 0 | 0 |
| 50° | 27731 | 241 | 0 | 0 | 0 |
| 55° | 1501 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 69 | 0 | 0 |
| 65° | 0 | 0 | 163 | 0 | 0 |
| 70° | 0 | 101 | 201 | 0 | 0 |
| 75° | 0 | 133 | 266 | 0 | 0 |
| 80° | 0 | 198 | 397 | 0 | 0 |
| 85° | 0 | 395 | 790 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 82981 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 3.0 | 1.6 |
| 10°-20° | 25.9 | 13.9 |
| 20°-30° | 56.9 | 30.4 |
| 30°-40° | 65.8 | 35.2 |
| 40°-50° | 32.5 | 17.4 |
| 50°-60° | 2.4 | 1.3 |
| 60°-70° | 0.1 | 0.0 |
| 70°-80° | 0.2 | 0.1 |
| 80°-90° | 0.1 | 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° | 85.9 | 45.9 |
| 0°-40° | 151.7 | 81.1 |
| 0°-60° | 186.7 | 99.8 |
| 0°-90° | 187.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 187.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 14 | 14 | 14 | 14 | 14 | |
| 5° | 61 | 38 | 13 | 5 | 3 | 10 |
| 15° | 421 | 136 | 6 | 0 | 0 | 119 |
| 25° | 592 | 160 | 0 | 0 | 0 | 274 |
| 35° | 619 | 60 | 0 | 0 | 0 | 382 |
| 45° | 341 | 10 | 0 | 0 | 0 | 250 |
| 55° | 5 | 0 | 0 | 0 | 0 | 20 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1317928
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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 0° | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 |
| 2.5° | 28.0 | 28.7 | 28.4 | 28.4 | 28.2 | 27.3 | 25.7 | 25.2 | 23.2 | 18.4 | 14.3 |
| 5° | 61.0 | 61.2 | 60.7 | 58.0 | 55.7 | 53.5 | 48.9 | 46.7 | 37.8 | 22.5 | 13.0 |
| 7.5° | 123.8 | 121.1 | 117.7 | 114.0 | 105.8 | 98.3 | 88.5 | 78.1 | 58.5 | 26.0 | 11.6 |
| 10° | 203.0 | 199.3 | 196.4 | 187.5 | 172.7 | 157.3 | 138.6 | 121.7 | 84.4 | 28.5 | 9.6 |
| 12.5° | 305.2 | 303.1 | 292.9 | 275.1 | 253.1 | 231.0 | 198.4 | 171.4 | 110.4 | 29.1 | 7.8 |
| 15° | 421.4 | 417.8 | 402.3 | 377.0 | 347.2 | 312.4 | 268.7 | 223.4 | 135.8 | 27.5 | 5.9 |
| 17.5° | 500.8 | 498.8 | 485.4 | 458.8 | 424.6 | 380.3 | 328.6 | 272.1 | 156.6 | 24.1 | 4.1 |
| 20° | 549.6 | 546.8 | 534.3 | 511.8 | 476.0 | 429.8 | 368.4 | 303.1 | 168.8 | 19.8 | 2.7 |
| 21° | 562.3 | 559.5 | 549.5 | 526.1 | 491.8 | 442.2 | 379.3 | 310.6 | 171.1 | 17.8 | 2.1 |
| 22° | 574.3 | 571.4 | 560.9 | 540.2 | 506.3 | 454.6 | 387.8 | 316.3 | 170.7 | 16.2 | 1.6 |
| 23° | 584.3 | 581.2 | 570.9 | 551.8 | 517.7 | 465.4 | 394.3 | 319.2 | 168.4 | 14.6 | 1.2 |
| 24° | 589.4 | 587.6 | 578.4 | 560.3 | 527.0 | 473.1 | 398.7 | 320.2 | 165.6 | 13.0 | 0.9 |
| 25° | 592.5 | 590.3 | 581.2 | 564.6 | 533.1 | 479.2 | 401.6 | 319.3 | 159.8 | 11.6 | 0.5 |
| 26° | 595.7 | 592.5 | 582.1 | 566.1 | 536.3 | 482.0 | 401.8 | 317.0 | 153.8 | 10.3 | 0.2 |
| 27° | 598.5 | 595.5 | 584.8 | 567.1 | 536.8 | 481.1 | 400.3 | 312.6 | 146.5 | 9.1 | 0.2 |
| 28° | 604.8 | 601.4 | 589.1 | 569.4 | 537.3 | 478.8 | 395.9 | 306.5 | 136.8 | 8.0 | 0.0 |
| 29° | 613.0 | 609.4 | 595.3 | 575.0 | 538.6 | 476.3 | 389.8 | 298.5 | 128.4 | 7.1 | 0.0 |
| 30° | 619.8 | 616.5 | 603.5 | 581.9 | 541.8 | 474.0 | 382.7 | 287.6 | 117.0 | 6.1 | 0.0 |
| 31° | 624.7 | 621.5 | 609.6 | 587.8 | 544.6 | 471.9 | 373.7 | 276.3 | 106.7 | 5.4 | 0.0 |
| 32° | 626.0 | 623.3 | 612.1 | 590.3 | 544.6 | 468.7 | 365.5 | 263.7 | 96.5 | 4.5 | 0.0 |
| 33° | 625.5 | 622.8 | 611.4 | 588.5 | 539.8 | 461.0 | 355.5 | 248.5 | 84.9 | 3.9 | 0.0 |
| 34° | 623.5 | 620.3 | 608.2 | 582.8 | 530.4 | 448.0 | 341.1 | 233.3 | 72.8 | 3.2 | 0.0 |
| 35° | 618.7 | 615.8 | 602.6 | 572.1 | 515.7 | 428.2 | 321.8 | 215.9 | 60.3 | 2.7 | 0.0 |
| 36° | 614.0 | 609.8 | 593.5 | 558.9 | 496.5 | 407.8 | 298.8 | 195.7 | 49.6 | 2.1 | 0.0 |
| 37° | 605.5 | 599.4 | 583.0 | 539.8 | 469.2 | 379.1 | 272.6 | 173.6 | 41.6 | 1.6 | 0.0 |
| 38° | 594.1 | 585.9 | 565.0 | 517.7 | 441.7 | 352.2 | 248.0 | 153.6 | 35.0 | 1.1 | 0.0 |
| 39° | 576.4 | 566.8 | 538.4 | 487.4 | 410.0 | 320.9 | 219.8 | 132.4 | 29.8 | 0.7 | 0.0 |
| 40° | 550.0 | 540.9 | 509.5 | 451.3 | 378.4 | 286.5 | 190.9 | 108.5 | 25.3 | 0.4 | 0.0 |
| 42.5° | 457.9 | 445.5 | 409.1 | 351.3 | 279.7 | 206.0 | 126.3 | 60.3 | 16.8 | 0.0 | 0.0 |
| 45° | 340.7 | 329.7 | 294.0 | 241.4 | 186.4 | 126.1 | 67.6 | 35.5 | 10.3 | 0.0 | 0.0 |
| 47.5° | 192.5 | 191.2 | 168.1 | 138.6 | 104.0 | 67.1 | 34.3 | 21.4 | 4.5 | 0.0 | 0.0 |
| 50° | 103.5 | 97.0 | 83.7 | 63.5 | 43.4 | 29.3 | 18.6 | 11.8 | 0.9 | 0.0 | 0.0 |
| 52.5° | 37.8 | 36.6 | 30.7 | 25.5 | 19.6 | 13.4 | 9.5 | 5.2 | 0.0 | 0.0 | 0.0 |
| 55° | 5.0 | 4.6 | 4.8 | 5.2 | 5.4 | 4.6 | 3.0 | 1.1 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.2 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.4 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.4 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.4 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.4 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.4 |



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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 | 0.0 | 0.2 | 0.4 | 0.4 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 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):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 0° | 14.1 | 14.1 | 14.1 | 14.1 |
| 2.5° | 10.9 | 8.4 | 7.1 | 7.0 |
| 5° | 7.5 | 4.6 | 3.4 | 3.2 |
| 7.5° | 5.2 | 2.3 | 1.6 | 1.4 |
| 10° | 3.0 | 1.1 | 0.5 | 0.4 |
| 12.5° | 1.8 | 0.2 | 0.0 | 0.0 |
| 15° | 0.5 | 0.0 | 0.0 | 0.0 |
| 17.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 20° | 0.0 | 0.0 | 0.0 | 0.0 |
| 21° | 0.0 | 0.0 | 0.0 | 0.0 |
| 22° | 0.0 | 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° | 0.2 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.2 | 0.0 | 0.0 | 0.0 |
| 70° | 0.2 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.2 | 0.0 | 0.0 | 0.0 |
| 75° | 0.2 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.2 | 0.0 | 0.0 | 0.0 |
| 80° | 0.2 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 82.5° | 0.2 | 0.0 | 0.0 | 0.0 |
| 85° | 0.2 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.2 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)