

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: P1314201

Luminaire Tested: LDSQA3D02R509730DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R509730DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

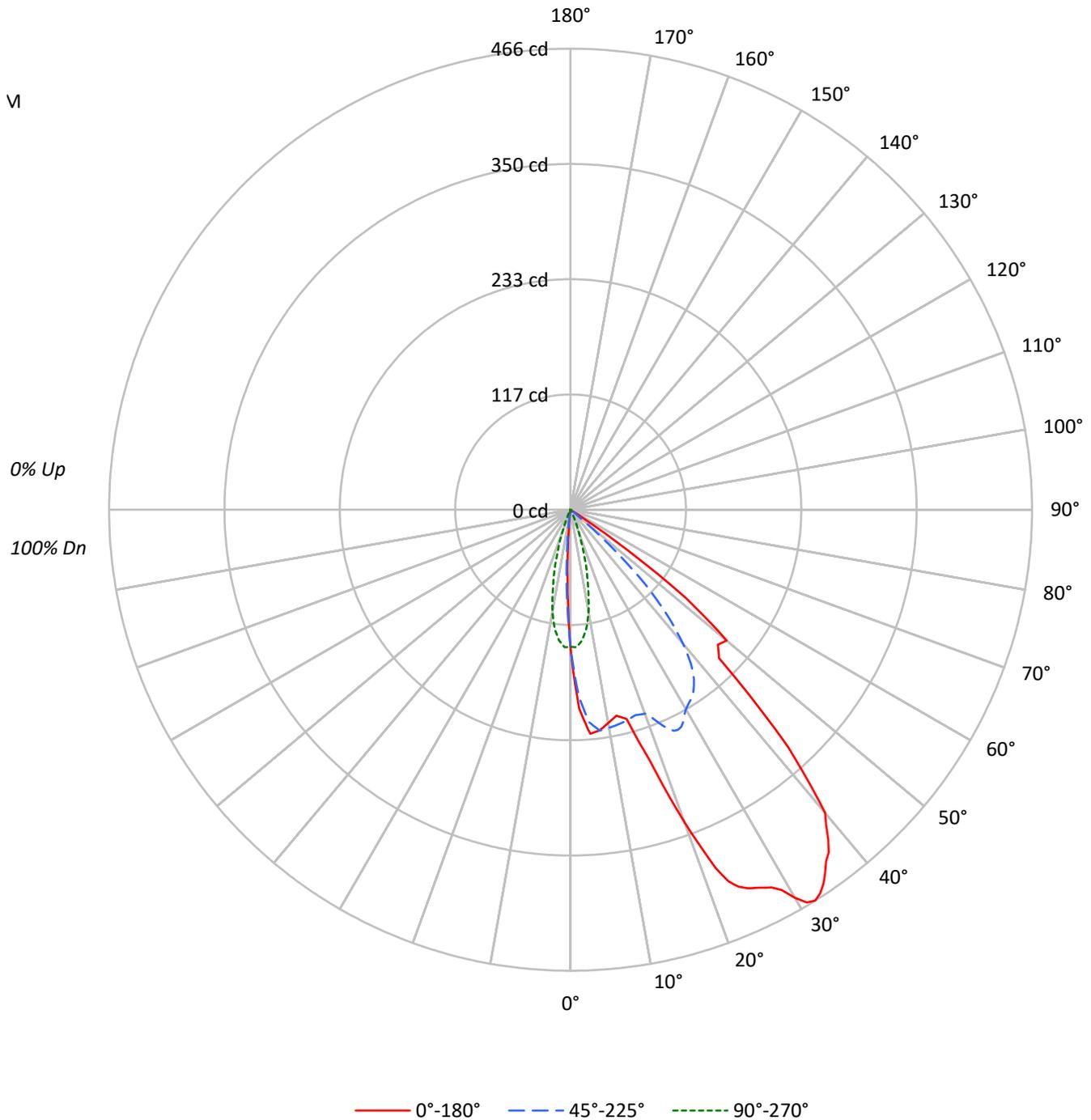
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 223.0 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
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





TEST NUMBER: P1314201

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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 | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 91 | | | | |
| 2 | 105 | 100 | 95 | 91 | 103 | 98 | 93 | 90 | 94 | 91 | 88 | 91 | 88 | 86 | 89 | 86 | 84 | 82 | | | | |
| 3 | 98 | 91 | 85 | 80 | 96 | 89 | 84 | 79 | 86 | 82 | 78 | 84 | 80 | 77 | 82 | 78 | 75 | 74 | | | | |
| 4 | 92 | 83 | 76 | 71 | 90 | 82 | 75 | 70 | 79 | 74 | 70 | 77 | 72 | 69 | 75 | 71 | 68 | 66 | | | | |
| 5 | 86 | 76 | 68 | 63 | 84 | 75 | 68 | 63 | 73 | 67 | 62 | 71 | 66 | 62 | 69 | 65 | 61 | 59 | | | | |
| 6 | 80 | 69 | 62 | 57 | 78 | 68 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 56 | 64 | 59 | 55 | 54 | | | | |
| 7 | 75 | 64 | 56 | 51 | 73 | 63 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 50 | 59 | 54 | 50 | 48 | | | | |
| 8 | 70 | 59 | 51 | 46 | 69 | 58 | 51 | 46 | 57 | 50 | 46 | 56 | 50 | 46 | 55 | 49 | 46 | 44 | | | | |
| 9 | 66 | 54 | 47 | 42 | 64 | 54 | 47 | 42 | 53 | 46 | 42 | 52 | 46 | 42 | 51 | 45 | 42 | 40 | | | | |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 37 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 23853 | 23853 | 23853 | 23853 | 23853 |
| 5° | 39296 | 37290 | 22924 | 6811 | 3406 |
| 10° | 38281 | 39138 | 18362 | 350 | 455 |
| 15° | 39029 | 39279 | 11001 | 357 | 125 |
| 20° | 61544 | 40211 | 4527 | 0 | 0 |
| 25° | 80229 | 46842 | 1083 | 0 | 0 |
| 30° | 90046 | 46316 | 40 | 0 | 0 |
| 35° | 94232 | 45623 | 0 | 0 | 0 |
| 40° | 89883 | 39636 | 0 | 0 | 0 |
| 45° | 51635 | 26158 | 0 | 0 | 0 |
| 50° | 55087 | 3001 | 0 | 0 | 0 |
| 55° | 15704 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 69 | 0 | 0 |
| 65° | 0 | 82 | 82 | 0 | 0 |
| 70° | 0 | 101 | 101 | 0 | 0 |
| 75° | 0 | 133 | 133 | 0 | 0 |
| 80° | 0 | 198 | 397 | 198 | 0 |
| 85° | 0 | 395 | 790 | 395 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 56993 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 11.6 | 5.2 |
| 10°-20° | 29.3 | 13.1 |
| 20°-30° | 56.3 | 25.2 |
| 30°-40° | 65.5 | 29.4 |
| 40°-50° | 46.9 | 21.0 |
| 50°-60° | 13.0 | 5.9 |
| 60°-70° | 0.1 | 0.0 |
| 70°-80° | 0.1 | 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° | 97.2 | 43.6 |
| 0°-40° | 162.7 | 73.0 |
| 0°-60° | 222.6 | 99.8 |
| 0°-90° | 223.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 223.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 138 | 138 | 138 | 138 | 138 | |
| 5° | 227 | 216 | 133 | 39 | 20 | 21 |
| 15° | 219 | 220 | 62 | 2 | 1 | 71 |
| 25° | 422 | 246 | 6 | 0 | 0 | 192 |
| 35° | 448 | 217 | 0 | 0 | 0 | 277 |
| 45° | 212 | 107 | 0 | 0 | 0 | 199 |
| 55° | 52 | 0 | 0 | 0 | 0 | 66 |
| 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 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 138.5 | 138.5 | 138.5 | 138.5 | 138.5 | 138.5 | 138.5 | 138.5 | 138.5 | 138.5 | 138.5 |
| 2.5° | 201.2 | 202.3 | 202.5 | 199.9 | 200.4 | 196.6 | 196.9 | 194.2 | 187.9 | 165.8 | 139.1 |
| 5° | 227.3 | 226.6 | 227.3 | 226.4 | 227.3 | 225.1 | 223.8 | 222.7 | 215.7 | 184.4 | 132.6 |
| 7.5° | 224.9 | 224.0 | 225.3 | 225.7 | 227.3 | 226.6 | 226.8 | 227.5 | 225.1 | 194.5 | 121.4 |
| 10° | 218.9 | 218.7 | 219.4 | 219.4 | 221.1 | 221.4 | 222.2 | 223.5 | 223.8 | 198.0 | 105.0 |
| 12.5° | 213.3 | 212.6 | 212.6 | 212.4 | 213.3 | 213.0 | 215.2 | 218.3 | 222.4 | 195.8 | 82.5 |
| 15° | 218.9 | 218.3 | 217.4 | 215.0 | 213.3 | 211.3 | 211.5 | 213.5 | 220.3 | 190.1 | 61.7 |
| 17.5° | 264.9 | 261.4 | 257.0 | 249.4 | 241.3 | 227.3 | 218.9 | 213.7 | 217.6 | 181.3 | 41.1 |
| 20° | 335.8 | 334.2 | 327.2 | 314.8 | 301.6 | 281.1 | 255.5 | 234.9 | 219.4 | 170.4 | 24.7 |
| 21° | 362.7 | 361.8 | 354.3 | 342.8 | 327.9 | 302.9 | 276.7 | 252.0 | 222.9 | 165.8 | 19.5 |
| 22° | 390.2 | 386.9 | 381.0 | 368.1 | 352.6 | 327.7 | 298.3 | 271.0 | 229.9 | 159.9 | 14.9 |
| 23° | 407.9 | 406.0 | 399.6 | 389.3 | 374.5 | 350.2 | 320.2 | 290.5 | 236.7 | 153.3 | 11.2 |
| 24° | 417.1 | 416.5 | 411.4 | 404.2 | 391.5 | 366.8 | 338.4 | 307.8 | 242.4 | 145.7 | 8.1 |
| 25° | 422.2 | 420.0 | 416.9 | 411.7 | 402.0 | 380.6 | 355.2 | 322.8 | 246.5 | 138.0 | 5.7 |
| 26° | 425.2 | 423.9 | 419.1 | 414.5 | 405.3 | 387.8 | 366.2 | 332.0 | 247.6 | 128.6 | 3.9 |
| 27° | 428.7 | 425.7 | 421.1 | 415.6 | 405.3 | 390.0 | 370.3 | 336.0 | 246.3 | 119.0 | 2.6 |
| 28° | 432.4 | 430.2 | 423.9 | 416.9 | 404.7 | 390.0 | 368.8 | 330.7 | 242.4 | 109.8 | 1.5 |
| 29° | 439.6 | 436.8 | 428.9 | 418.7 | 404.9 | 389.6 | 362.9 | 319.8 | 237.1 | 99.5 | 0.9 |
| 30° | 452.8 | 446.9 | 437.2 | 422.8 | 406.4 | 388.7 | 353.0 | 303.4 | 232.9 | 87.9 | 0.2 |
| 31° | 463.1 | 459.8 | 448.6 | 430.5 | 410.8 | 386.3 | 341.4 | 287.2 | 230.1 | 77.9 | 0.0 |
| 32° | 465.9 | 463.5 | 455.4 | 438.3 | 418.2 | 384.3 | 328.3 | 271.4 | 227.9 | 66.7 | 0.0 |
| 33° | 462.6 | 461.1 | 452.6 | 437.0 | 420.2 | 381.7 | 313.2 | 255.9 | 225.5 | 56.7 | 0.0 |
| 34° | 456.5 | 454.5 | 447.1 | 431.3 | 415.2 | 370.3 | 298.8 | 244.1 | 222.0 | 47.2 | 0.0 |
| 35° | 448.2 | 446.6 | 439.0 | 423.5 | 406.0 | 352.6 | 284.4 | 236.2 | 217.0 | 37.8 | 0.0 |
| 36° | 439.2 | 438.8 | 428.9 | 413.6 | 394.2 | 335.5 | 266.9 | 230.3 | 212.0 | 30.0 | 0.0 |
| 37° | 433.3 | 431.1 | 420.4 | 405.3 | 380.2 | 315.6 | 252.9 | 228.4 | 205.0 | 23.2 | 0.0 |
| 38° | 422.6 | 423.0 | 410.8 | 397.0 | 365.9 | 298.3 | 241.5 | 226.8 | 197.1 | 16.8 | 0.0 |
| 39° | 409.9 | 410.1 | 397.4 | 385.6 | 349.1 | 280.2 | 232.1 | 225.3 | 187.2 | 10.7 | 0.0 |
| 40° | 399.8 | 399.6 | 385.2 | 372.5 | 330.9 | 263.1 | 227.0 | 223.1 | 176.3 | 6.1 | 0.0 |
| 42.5° | 325.0 | 326.3 | 328.1 | 333.3 | 288.3 | 233.2 | 222.2 | 210.9 | 145.2 | 0.0 | 0.0 |
| 45° | 212.0 | 217.0 | 218.3 | 234.0 | 233.8 | 220.9 | 210.9 | 189.0 | 107.4 | 0.0 | 0.0 |
| 47.5° | 201.7 | 203.2 | 206.0 | 212.2 | 215.5 | 209.1 | 188.5 | 157.9 | 58.6 | 0.0 | 0.0 |
| 50° | 205.6 | 205.4 | 206.0 | 206.0 | 200.1 | 183.7 | 154.6 | 116.6 | 11.2 | 0.0 | 0.0 |
| 52.5° | 147.6 | 153.1 | 159.0 | 161.6 | 154.0 | 136.7 | 112.9 | 68.5 | 0.0 | 0.0 | 0.0 |
| 55° | 52.3 | 50.5 | 49.2 | 53.8 | 52.7 | 59.3 | 49.0 | 16.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.2 | 0.9 | 2.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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 | 0.2 | 0.2 | 0.2 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 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 | 0.2 | 0.2 | 0.2 | 0.4 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 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 |



TEST NUMBER: P1314201
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CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|-------|--------|-------|
| 0° | 138.5 | 138.5 | 138.5 | 138.5 |
| 2.5° | 110.9 | 85.1 | 68.9 | 70.0 |
| 5° | 77.9 | 39.4 | 24.3 | 19.7 |
| 7.5° | 46.6 | 12.0 | 2.4 | 2.0 |
| 10° | 21.9 | 2.0 | 2.2 | 2.6 |
| 12.5° | 6.6 | 1.7 | 2.4 | 2.2 |
| 15° | 1.7 | 2.0 | 1.1 | 0.7 |
| 17.5° | 0.7 | 0.9 | 0.0 | 0.0 |
| 20° | 0.4 | 0.0 | 0.0 | 0.0 |
| 21° | 0.4 | 0.0 | 0.0 | 0.0 |
| 22° | 0.2 | 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 | 0.2 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)