

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: P1320999

Luminaire Tested: LDSQA3D02R50B2750DE010 3LSQCA30R 1MMS\_5000K

Issue Date: 1/29/2026

**Test Information**

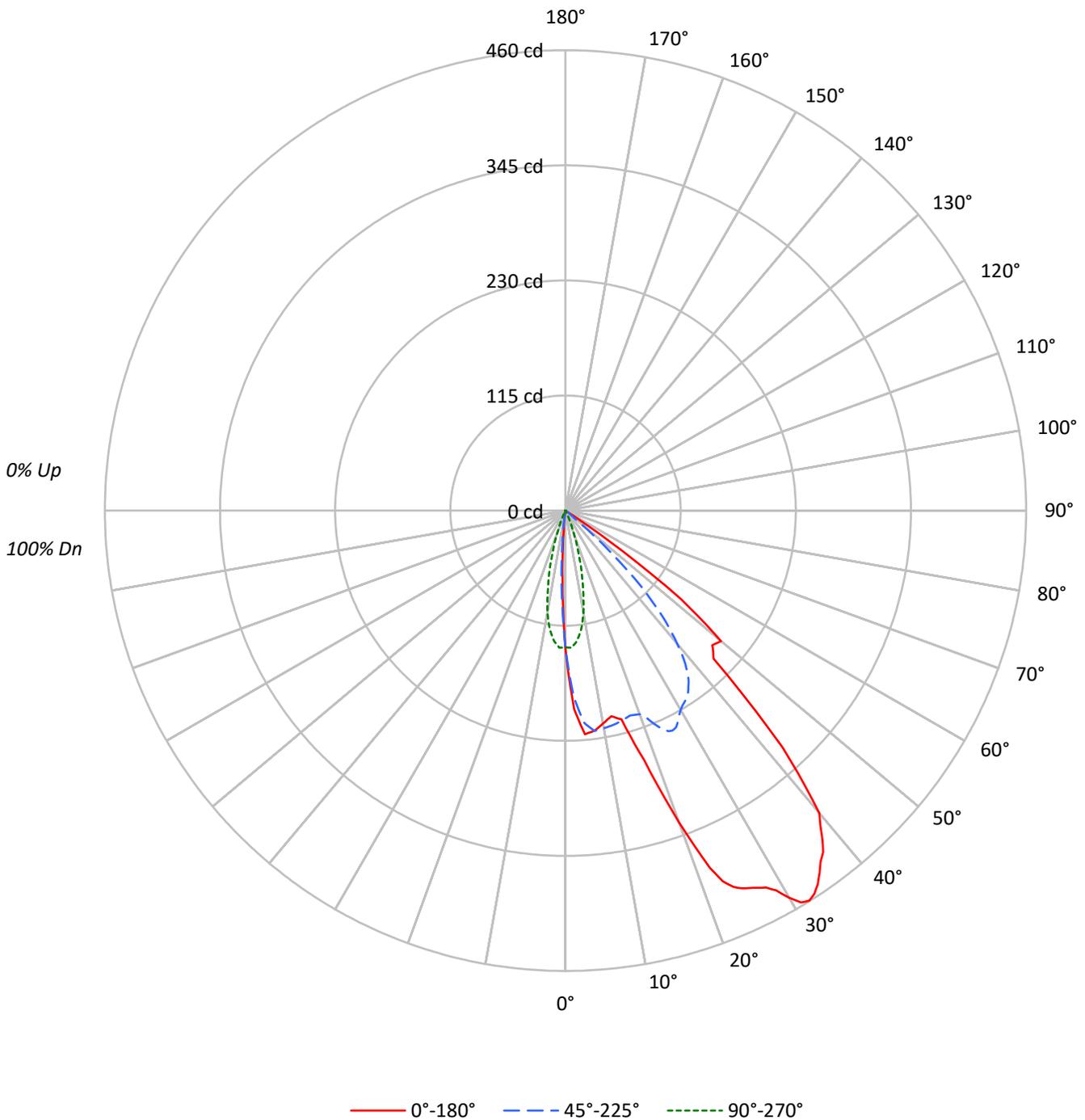
Test Method: LM-79-2019  
Report Number: P1320999  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R50B2750DE010 3LSQCA30R 1MMS\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 80CRI , 3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 220.0 lumens  
Efficiency: N/A  
Efficacy: 75.9 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): 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





TEST NUMBER: P1320999

CATALOG NUMBER: LDSQA3D02R50B2750DE010 3LSQCA30R 1MMS\_5000K

**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  | 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  | 81  | 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°  | 23526 | 23526 | 23526 | 23526 | 23526 |
| 5°  | 38760 | 36789 | 22613 | 6708  | 3354  |
| 10° | 37774 | 38613 | 18118 | 332   | 455   |
| 15° | 38512 | 38744 | 10858 | 339   | 107   |
| 20° | 60701 | 39661 | 4472  | 0     | 0     |
| 25° | 79146 | 46214 | 1064  | 0     | 0     |
| 30° | 88833 | 45699 | 40    | 0     | 0     |
| 35° | 92970 | 45013 | 0     | 0     | 0     |
| 40° | 88692 | 39096 | 0     | 0     | 0     |
| 45° | 50928 | 25817 | 0     | 0     | 0     |
| 50° | 54336 | 2947  | 0     | 0     | 0     |
| 55° | 15493 | 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: 56238 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 11.5   | 5.2       |
| 10°-20°   | 28.9   | 13.1      |
| 20°-30°   | 55.5   | 25.2      |
| 30°-40°   | 64.6   | 29.4      |
| 40°-50°   | 46.2   | 21.0      |
| 50°-60°   | 12.9   | 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°    | 95.9   | 43.6      |
| 0°-40°    | 160.5  | 73.0      |
| 0°-60°    | 219.6  | 99.8      |
| 0°-90°    | 220.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 220.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 137 | 137 | 137 | 137  | 137  |      |
| 5°  | 224 | 213 | 131 | 39   | 19   | 21   |
| 15° | 216 | 217 | 61  | 2    | 1    | 70   |
| 25° | 416 | 243 | 6   | 0    | 0    | 189  |
| 35° | 442 | 214 | 0   | 0    | 0    | 274  |
| 45° | 209 | 106 | 0   | 0    | 0    | 197  |
| 55° | 52  | 0   | 0   | 0    | 0    | 65   |
| 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    | 0    |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 136.6 | 136.6 | 136.6 | 136.6 | 136.6 | 136.6 | 136.6 | 136.6 | 136.6 | 136.6 | 136.6 |
| 2.5°  | 198.5 | 199.6 | 199.8 | 197.2 | 197.7 | 194.0 | 194.2 | 191.6 | 185.4 | 163.6 | 137.2 |
| 5°    | 224.2 | 223.6 | 224.2 | 223.3 | 224.2 | 222.0 | 220.8 | 219.7 | 212.8 | 181.9 | 130.8 |
| 7.5°  | 221.8 | 221.0 | 222.3 | 222.7 | 224.2 | 223.6 | 223.8 | 224.4 | 222.0 | 191.8 | 119.8 |
| 10°   | 216.0 | 215.8 | 216.4 | 216.4 | 218.2 | 218.4 | 219.2 | 220.5 | 220.8 | 195.3 | 103.6 |
| 12.5° | 210.4 | 209.7 | 209.7 | 209.5 | 210.4 | 210.2 | 212.3 | 215.4 | 219.5 | 193.1 | 81.4  |
| 15°   | 216.0 | 215.4 | 214.5 | 212.1 | 210.4 | 208.5 | 208.7 | 210.6 | 217.3 | 187.5 | 60.9  |
| 17.5° | 261.3 | 257.9 | 253.6 | 246.0 | 238.0 | 224.2 | 216.0 | 210.8 | 214.7 | 178.9 | 40.6  |
| 20°   | 331.2 | 329.7 | 322.8 | 310.5 | 297.6 | 277.3 | 252.0 | 231.8 | 216.4 | 168.1 | 24.4  |
| 21°   | 357.8 | 356.9 | 349.6 | 338.1 | 323.5 | 298.9 | 273.0 | 248.6 | 219.9 | 163.6 | 19.2  |
| 22°   | 385.0 | 381.7 | 375.9 | 363.2 | 347.9 | 323.3 | 294.3 | 267.4 | 226.8 | 157.7 | 14.7  |
| 23°   | 402.4 | 400.5 | 394.2 | 384.1 | 369.4 | 345.5 | 315.9 | 286.6 | 233.5 | 151.3 | 11.0  |
| 24°   | 411.5 | 410.9 | 405.9 | 398.8 | 386.3 | 361.9 | 333.8 | 303.6 | 239.1 | 143.7 | 8.0   |
| 25°   | 416.5 | 414.3 | 411.3 | 406.1 | 396.6 | 375.5 | 350.4 | 318.5 | 243.2 | 136.2 | 5.6   |
| 26°   | 419.5 | 418.2 | 413.5 | 408.9 | 399.9 | 382.6 | 361.2 | 327.6 | 244.3 | 126.9 | 3.9   |
| 27°   | 422.9 | 419.9 | 415.4 | 410.0 | 399.9 | 384.8 | 365.3 | 331.5 | 243.0 | 117.4 | 2.6   |
| 28°   | 426.6 | 424.5 | 418.2 | 411.3 | 399.2 | 384.8 | 363.8 | 326.3 | 239.1 | 108.3 | 1.5   |
| 29°   | 433.7 | 430.9 | 423.2 | 413.0 | 399.4 | 384.3 | 358.0 | 315.5 | 233.9 | 98.2  | 0.9   |
| 30°   | 446.7 | 440.9 | 431.4 | 417.1 | 400.9 | 383.5 | 348.3 | 299.3 | 229.8 | 86.7  | 0.2   |
| 31°   | 456.8 | 453.6 | 442.6 | 424.7 | 405.3 | 381.1 | 336.8 | 283.3 | 227.0 | 76.8  | 0.0   |
| 32°   | 459.6 | 457.3 | 449.3 | 432.4 | 412.6 | 379.1 | 323.9 | 267.8 | 224.9 | 65.8  | 0.0   |
| 33°   | 456.4 | 454.9 | 446.5 | 431.1 | 414.5 | 376.6 | 309.0 | 252.5 | 222.5 | 55.9  | 0.0   |
| 34°   | 450.4 | 448.4 | 441.1 | 425.5 | 409.6 | 365.3 | 294.8 | 240.8 | 219.0 | 46.6  | 0.0   |
| 35°   | 442.2 | 440.6 | 433.1 | 417.8 | 400.5 | 347.9 | 280.5 | 233.1 | 214.1 | 37.3  | 0.0   |
| 36°   | 433.3 | 432.9 | 423.2 | 408.1 | 388.9 | 331.0 | 263.3 | 227.2 | 209.1 | 29.6  | 0.0   |
| 37°   | 427.5 | 425.3 | 414.7 | 399.9 | 375.0 | 311.4 | 249.5 | 225.3 | 202.2 | 22.9  | 0.0   |
| 38°   | 416.9 | 417.3 | 405.3 | 391.7 | 361.0 | 294.3 | 238.2 | 223.8 | 194.4 | 16.6  | 0.0   |
| 39°   | 404.4 | 404.6 | 392.1 | 380.4 | 344.4 | 276.4 | 229.0 | 222.3 | 184.7 | 10.6  | 0.0   |
| 40°   | 394.5 | 394.2 | 380.0 | 367.5 | 326.5 | 259.6 | 224.0 | 220.1 | 173.9 | 6.0   | 0.0   |
| 42.5° | 320.7 | 322.0 | 323.7 | 328.9 | 284.4 | 230.0 | 219.2 | 208.0 | 143.3 | 0.0   | 0.0   |
| 45°   | 209.1 | 214.1 | 215.4 | 230.9 | 230.7 | 217.9 | 208.0 | 186.4 | 106.0 | 0.0   | 0.0   |
| 47.5° | 199.0 | 200.5 | 203.3 | 209.3 | 212.6 | 206.3 | 186.0 | 155.8 | 57.8  | 0.0   | 0.0   |
| 50°   | 202.8 | 202.6 | 203.3 | 203.3 | 197.4 | 181.3 | 152.6 | 115.0 | 11.0  | 0.0   | 0.0   |
| 52.5° | 145.7 | 151.1 | 156.9 | 159.5 | 151.9 | 134.9 | 111.3 | 67.5  | 0.0   | 0.0   | 0.0   |
| 55°   | 51.6  | 49.8  | 48.6  | 53.1  | 52.0  | 58.5  | 48.3  | 15.8  | 0.0   | 0.0   | 0.0   |
| 57.5° | 0.0   | 0.0   | 0.0   | 0.2   | 0.9   | 1.9   | 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 |



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 CATALOG NUMBER: LDSQA3D02R50B2750DE010 3LSQA30R 1MMS\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 112.5° | 135°  | 157.5° | 180°  |
|-------|--------|-------|--------|-------|
| 0°    | 136.6  | 136.6 | 136.6  | 136.6 |
| 2.5°  | 109.4  | 83.9  | 68.0   | 69.1  |
| 5°    | 76.8   | 38.8  | 24.0   | 19.4  |
| 7.5°  | 46.0   | 11.9  | 2.4    | 1.9   |
| 10°   | 21.6   | 1.9   | 2.2    | 2.6   |
| 12.5° | 6.5    | 1.7   | 2.4    | 2.2   |
| 15°   | 1.7    | 1.9   | 1.1    | 0.6   |
| 17.5° | 0.6    | 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)