

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: P1320990

Luminaire Tested: LDSQA3D02R50B2750DE010 3LSQCA30R 1MB\_2700K

Issue Date: 1/29/2026

**Test Information**

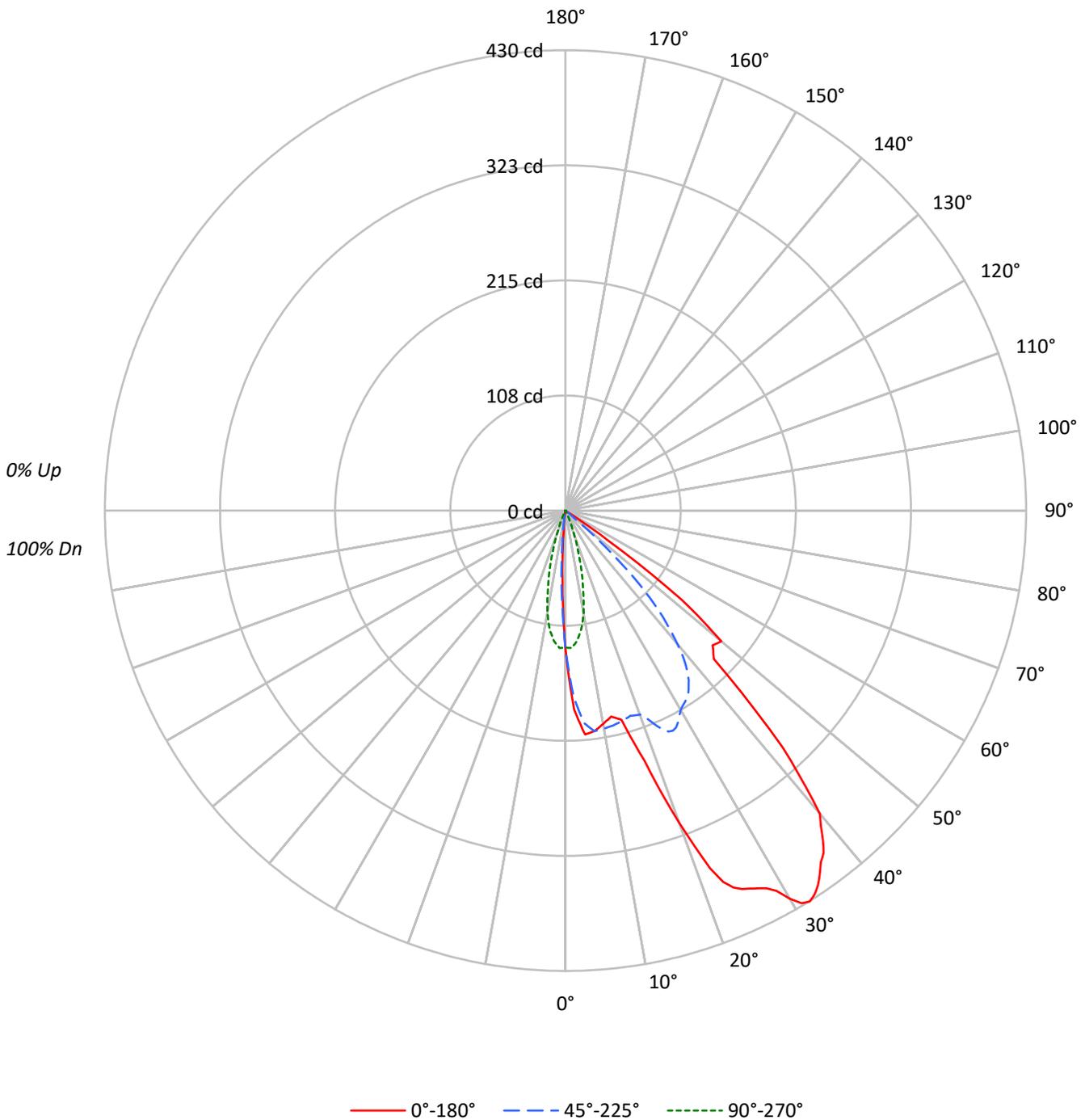
Test Method: LM-79-2019  
Report Number: P1320990  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R50B2750DE010 3LSQCA30R 1MB\_2700K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 206.0 lumens  
Efficiency: N/A  
Efficacy: 71.0 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: P1320990

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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  | 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°  | 22027 | 22027 | 22027 | 22027 | 22027 |
| 5°  | 36288 | 34438 | 21161 | 6293  | 3146  |
| 10° | 35378 | 36148 | 16963 | 315   | 420   |
| 15° | 36070 | 36284 | 10163 | 321   | 107   |
| 20° | 56852 | 37150 | 4179  | 0     | 0     |
| 25° | 74110 | 43269 | 1007  | 0     | 0     |
| 30° | 83185 | 42796 | 40    | 0     | 0     |
| 35° | 87041 | 42133 | 0     | 0     | 0     |
| 40° | 83049 | 36623 | 0     | 0     | 0     |
| 45° | 47689 | 24161 | 0     | 0     | 0     |
| 50° | 50880 | 2760  | 0     | 0     | 0     |
| 55° | 14503 | 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: 52658 cd/sqm



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**ZONAL LUMENS:**

| Zone            | Lumens       | % Fixture    |
|-----------------|--------------|--------------|
| 0°-10°          | 10.7         | 5.2          |
| 10°-20°         | 27.1         | 13.1         |
| 20°-30°         | 52.0         | 25.2         |
| 30°-40°         | 60.5         | 29.4         |
| 40°-50°         | 43.3         | 21.0         |
| 50°-60°         | 12.1         | 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          |
| <b>0°-30°</b>   | <b>89.8</b>  | <b>43.6</b>  |
| <b>0°-40°</b>   | <b>150.3</b> | <b>73.0</b>  |
| <b>0°-60°</b>   | <b>205.6</b> | <b>99.8</b>  |
| <b>0°-90°</b>   | <b>206.0</b> | <b>100.0</b> |
| 90°-120°        | 0.0          | 0.0          |
| 90°-150°        | 0.0          | 0.0          |
| <b>90°-180°</b> | <b>0.0</b>   | <b>0.0</b>   |
| <b>0°-180°</b>  | <b>206.0</b> | <b>100.0</b> |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 128 | 128 | 128 | 128  | 128  |      |
| 5°  | 210 | 199 | 122 | 36   | 18   | 19   |
| 15° | 202 | 204 | 57  | 2    | 1    | 65   |
| 25° | 390 | 228 | 5   | 0    | 0    | 177  |
| 35° | 414 | 200 | 0   | 0    | 0    | 256  |
| 45° | 196 | 99  | 0   | 0    | 0    | 184  |
| 55° | 48  | 0   | 0   | 0    | 0    | 61   |
| 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°    | 127.9 | 127.9 | 127.9 | 127.9 | 127.9 | 127.9 | 127.9 | 127.9 | 127.9 | 127.9 | 127.9 |
| 2.5°  | 185.9 | 186.9 | 187.1 | 184.7 | 185.1 | 181.6 | 181.9 | 179.4 | 173.6 | 153.2 | 128.5 |
| 5°    | 209.9 | 209.3 | 209.9 | 209.1 | 209.9 | 207.9 | 206.7 | 205.7 | 199.2 | 170.3 | 122.4 |
| 7.5°  | 207.7 | 206.9 | 208.1 | 208.5 | 209.9 | 209.3 | 209.5 | 210.1 | 207.9 | 179.6 | 112.1 |
| 10°   | 202.3 | 202.1 | 202.7 | 202.7 | 204.3 | 204.5 | 205.3 | 206.5 | 206.7 | 182.9 | 97.0  |
| 12.5° | 197.0 | 196.4 | 196.4 | 196.2 | 197.0 | 196.8 | 198.8 | 201.7 | 205.5 | 180.8 | 76.2  |
| 15°   | 202.3 | 201.7 | 200.8 | 198.6 | 197.0 | 195.2 | 195.4 | 197.2 | 203.5 | 175.6 | 57.0  |
| 17.5° | 244.7 | 241.5 | 237.4 | 230.3 | 222.9 | 209.9 | 202.3 | 197.4 | 201.0 | 167.5 | 38.0  |
| 20°   | 310.2 | 308.7 | 302.3 | 290.8 | 278.6 | 259.6 | 236.0 | 217.0 | 202.7 | 157.4 | 22.8  |
| 21°   | 335.0 | 334.2 | 327.3 | 316.6 | 302.9 | 279.8 | 255.6 | 232.8 | 205.9 | 153.2 | 18.0  |
| 22°   | 360.5 | 357.4 | 352.0 | 340.1 | 325.7 | 302.7 | 275.6 | 250.3 | 212.4 | 147.7 | 13.7  |
| 23°   | 376.8 | 375.0 | 369.2 | 359.7 | 345.9 | 323.5 | 295.8 | 268.3 | 218.6 | 141.6 | 10.3  |
| 24°   | 385.3 | 384.7 | 380.1 | 373.4 | 361.7 | 338.8 | 312.6 | 284.3 | 223.9 | 134.6 | 7.5   |
| 25°   | 390.0 | 387.9 | 385.1 | 380.3 | 371.4 | 351.6 | 328.1 | 298.2 | 227.7 | 127.5 | 5.3   |
| 26°   | 392.8 | 391.6 | 387.1 | 382.9 | 374.4 | 358.2 | 338.2 | 306.7 | 228.7 | 118.8 | 3.6   |
| 27°   | 396.0 | 393.2 | 389.0 | 383.9 | 374.4 | 360.3 | 342.1 | 310.4 | 227.5 | 109.9 | 2.4   |
| 28°   | 399.5 | 397.4 | 391.6 | 385.1 | 373.8 | 360.3 | 340.7 | 305.5 | 223.9 | 101.4 | 1.4   |
| 29°   | 406.1 | 403.5 | 396.2 | 386.7 | 374.0 | 359.9 | 335.2 | 295.4 | 219.0 | 91.9  | 0.8   |
| 30°   | 418.3 | 412.8 | 403.9 | 390.6 | 375.4 | 359.1 | 326.1 | 280.3 | 215.2 | 81.2  | 0.2   |
| 31°   | 427.8 | 424.7 | 414.4 | 397.6 | 379.5 | 356.8 | 315.4 | 265.3 | 212.6 | 71.9  | 0.0   |
| 32°   | 430.4 | 428.2 | 420.7 | 404.9 | 386.3 | 355.0 | 303.3 | 250.8 | 210.5 | 61.6  | 0.0   |
| 33°   | 427.3 | 425.9 | 418.1 | 403.7 | 388.2 | 352.6 | 289.3 | 236.4 | 208.3 | 52.3  | 0.0   |
| 34°   | 421.7 | 419.9 | 413.0 | 398.5 | 383.5 | 342.1 | 276.0 | 225.5 | 205.1 | 43.6  | 0.0   |
| 35°   | 414.0 | 412.6 | 405.5 | 391.2 | 375.0 | 325.7 | 262.7 | 218.2 | 200.4 | 35.0  | 0.0   |
| 36°   | 405.7 | 405.3 | 396.2 | 382.1 | 364.1 | 310.0 | 246.5 | 212.8 | 195.8 | 27.7  | 0.0   |
| 37°   | 400.3 | 398.3 | 388.4 | 374.4 | 351.2 | 291.6 | 233.6 | 210.9 | 189.3 | 21.4  | 0.0   |
| 38°   | 390.4 | 390.8 | 379.5 | 366.7 | 338.0 | 275.6 | 223.1 | 209.5 | 182.1 | 15.6  | 0.0   |
| 39°   | 378.7 | 378.9 | 367.1 | 356.2 | 322.5 | 258.8 | 214.4 | 208.1 | 173.0 | 9.9   | 0.0   |
| 40°   | 369.4 | 369.2 | 355.8 | 344.1 | 305.7 | 243.1 | 209.7 | 206.1 | 162.9 | 5.7   | 0.0   |
| 42.5° | 300.3 | 301.5 | 303.1 | 307.9 | 266.3 | 215.4 | 205.3 | 194.8 | 134.2 | 0.0   | 0.0   |
| 45°   | 195.8 | 200.4 | 201.7 | 216.2 | 216.0 | 204.1 | 194.8 | 174.6 | 99.2  | 0.0   | 0.0   |
| 47.5° | 186.3 | 187.7 | 190.3 | 196.0 | 199.0 | 193.2 | 174.2 | 145.9 | 54.2  | 0.0   | 0.0   |
| 50°   | 189.9 | 189.7 | 190.3 | 190.3 | 184.9 | 169.7 | 142.9 | 107.7 | 10.3  | 0.0   | 0.0   |
| 52.5° | 136.4 | 141.4 | 146.9 | 149.3 | 142.2 | 126.3 | 104.3 | 63.2  | 0.0   | 0.0   | 0.0   |
| 55°   | 48.3  | 46.7  | 45.5  | 49.7  | 48.7  | 54.8  | 45.3  | 14.8  | 0.0   | 0.0   | 0.0   |
| 57.5° | 0.0   | 0.0   | 0.0   | 0.2   | 0.8   | 1.8   | 2.4   | 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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**CANDELA DISTRIBUTION (continued):**

|       | 112.5° | 135°  | 157.5° | 180°  |
|-------|--------|-------|--------|-------|
| 0°    | 127.9  | 127.9 | 127.9  | 127.9 |
| 2.5°  | 102.4  | 78.6  | 63.6   | 64.7  |
| 5°    | 71.9   | 36.4  | 22.4   | 18.2  |
| 7.5°  | 43.0   | 11.1  | 2.2    | 1.8   |
| 10°   | 20.2   | 1.8   | 2.0    | 2.4   |
| 12.5° | 6.1    | 1.6   | 2.2    | 2.0   |
| 15°   | 1.6    | 1.8   | 1.0    | 0.6   |
| 17.5° | 0.6    | 0.8   | 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)