

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P835262

Luminaire Tested: **ORLG-24-2-INS-ASY2-LD4-1STD-20-120-EDD-90**

Issue Date: 5/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P835262  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 5/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: ORLG-24-2-INS-ASY2-LD4-1STD-20-120-EDD-90  
Description: 2FT x 2FT ORL LED LUMINAIRE WITH asymmetric/symmetric lens v2  
Light Source: 2000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

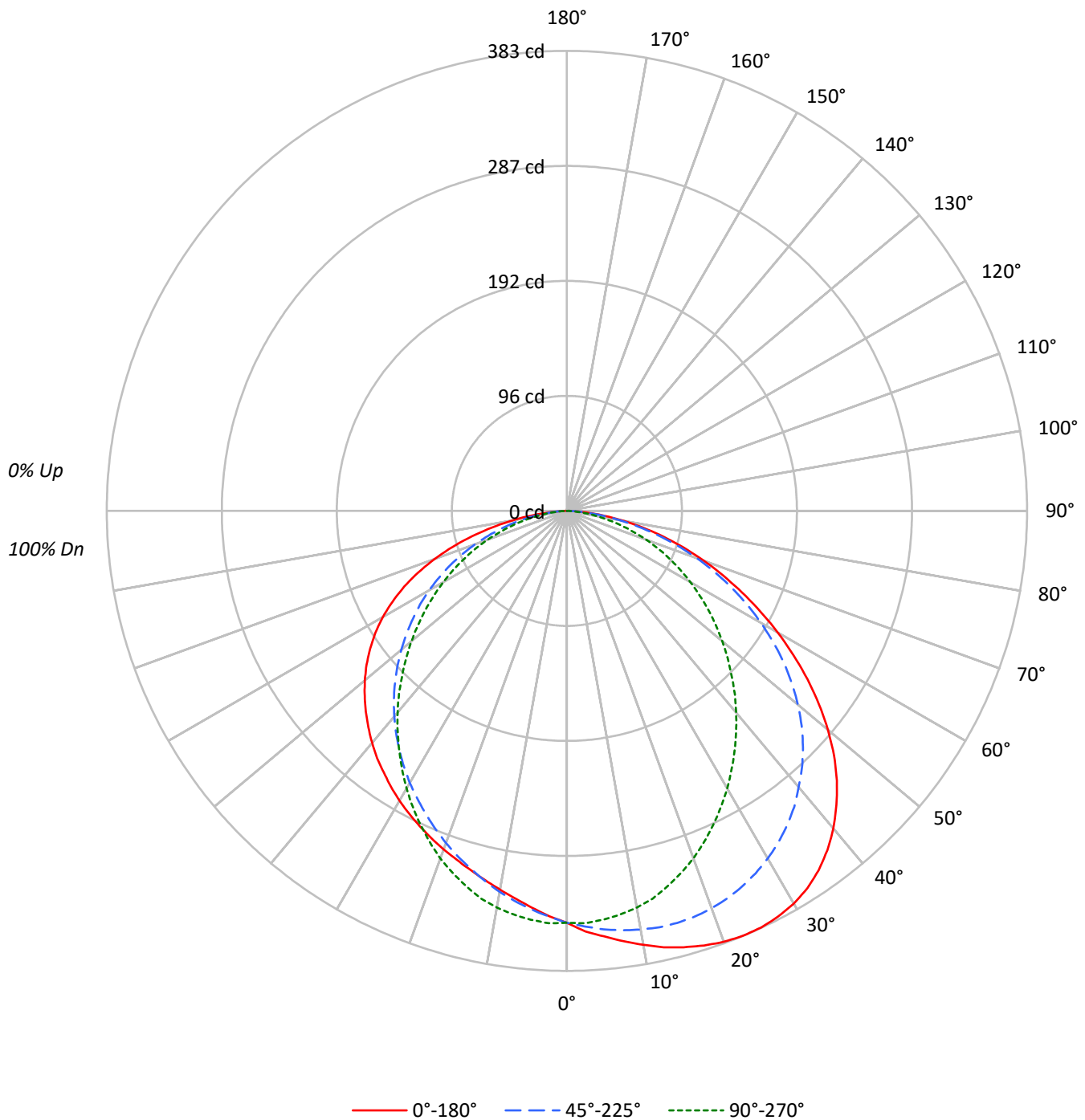
Lumens per Lamp: N/A  
Luminaire Lumens: 1008.5 lumens  
Efficiency: N/A  
Efficacy: 60.8 lumens/watt  
Spacing Criteria (0/90/45): 1.41 / 1.17 / 1.4  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 16.6  
Input Voltage (V): 120  
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: 28.75 FT

TEST NUMBER: P835262

CATALOG NUMBER: ORLG-24-2-INS-ASY2-LD4-1STD-20-120-EDD-90

### Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P835262

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |  | 20  |     |     |  | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |  | 30  |     |     |  | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 109 | 104 | 100 | 96  | 106 | 102 | 98  | 94  | 97  | 94  | 91  |  | 94  | 91  | 88  |  | 90  |
| 2   | 99  | 90  | 84  | 78  | 96  | 89  | 82  | 77  | 85  | 80  | 75  |  | 82  | 77  | 73  |  | 79  |
| 3   | 90  | 79  | 71  | 65  | 87  | 78  | 70  | 64  | 75  | 68  | 63  |  | 72  | 66  | 62  |  | 69  |
| 4   | 82  | 70  | 61  | 55  | 80  | 69  | 61  | 54  | 66  | 59  | 53  |  | 64  | 58  | 53  |  | 62  |
| 5   | 76  | 63  | 54  | 47  | 73  | 61  | 53  | 47  | 59  | 52  | 46  |  | 57  | 51  | 46  |  | 55  |
| 6   | 70  | 56  | 47  | 41  | 68  | 55  | 47  | 41  | 54  | 46  | 40  |  | 52  | 45  | 40  |  | 50  |
| 7   | 65  | 51  | 42  | 36  | 63  | 50  | 42  | 36  | 49  | 41  | 36  |  | 47  | 40  | 35  |  | 46  |
| 8   | 60  | 46  | 38  | 32  | 59  | 46  | 38  | 32  | 44  | 37  | 32  |  | 43  | 36  | 31  |  | 42  |
| 9   | 56  | 43  | 34  | 29  | 55  | 42  | 34  | 29  | 41  | 34  | 29  |  | 40  | 33  | 28  |  | 39  |
| 10  | 53  | 39  | 31  | 26  | 51  | 39  | 31  | 26  | 38  | 31  | 26  |  | 37  | 30  | 26  |  | 36  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 90° | 180° |
|-----|------|-----|------|
| 0°  | 923  | 923 | 923  |
| 5°  | 961  | 923 | 896  |
| 10° | 1003 | 916 | 875  |
| 15° | 1048 | 902 | 863  |
| 20° | 1093 | 882 | 859  |
| 25° | 1136 | 856 | 860  |
| 30° | 1173 | 829 | 866  |
| 35° | 1200 | 800 | 873  |
| 40° | 1212 | 770 | 886  |
| 45° | 1209 | 738 | 900  |
| 50° | 1187 | 707 | 919  |
| 55° | 1147 | 674 | 938  |
| 60° | 1091 | 639 | 952  |
| 65° | 1025 | 600 | 951  |
| 70° | 954  | 554 | 923  |
| 75° | 866  | 487 | 850  |
| 80° | 744  | 400 | 717  |
| 85° | 568  | 272 | 494  |

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P835262

CATALOG NUMBER: ORLG-24-2-INS-ASY2-LD4-1STD-20-120-EDD-90

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 32.5   | 3.2       |
| 10°-20°   | 93.9   | 9.3       |
| 20°-30°   | 143.9  | 14.3      |
| 30°-40°   | 175.6  | 17.4      |
| 40°-50°   | 183.6  | 18.2      |
| 50°-60°   | 166.2  | 16.5      |
| 60°-70°   | 125.8  | 12.5      |
| 70°-80°   | 70.1   | 7.0       |
| 80°-90°   | 16.9   | 1.7       |
| 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°    | 270.3  | 26.8      |
| 0°-40°    | 445.8  | 44.2      |
| 0°-60°    | 795.6  | 78.9      |
| 0°-90°    | 1008.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1008.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 343 | 343 | 343 | 343  | 343  |      |
| 5°  | 356 | 350 | 342 | 333  | 332  | 34   |
| 15° | 376 | 355 | 324 | 308  | 310  | 107  |
| 25° | 383 | 345 | 288 | 278  | 290  | 177  |
| 35° | 365 | 320 | 243 | 243  | 266  | 228  |
| 45° | 318 | 278 | 194 | 202  | 237  | 244  |
| 55° | 244 | 221 | 144 | 156  | 200  | 218  |
| 65° | 161 | 151 | 94  | 107  | 149  | 160  |
| 75° | 83  | 79  | 47  | 56   | 82   | 88   |
| 85° | 18  | 16  | 9   | 12   | 16   | 22   |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P835262

CATALOG NUMBER: ORLG-24-2-INS-ASY2-LD4-1STD-20-120-EDD-90

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°   | 67.5° | 70°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 2.5°  | 350.4 | 348.8 | 347.4 | 347.9 | 348.2 | 347.2 | 346.3 | 346.4 | 345.5 | 347.3 | 343.2 |
| 5°    | 355.6 | 354.1 | 352.5 | 353.1 | 352.5 | 350.9 | 349.7 | 349.3 | 346.9 | 347.9 | 343.8 |
| 7.5°  | 361.4 | 359.7 | 357.4 | 358.1 | 356.8 | 353.9 | 352.2 | 351.2 | 347.6 | 347.6 | 343.1 |
| 10°   | 366.9 | 365.5 | 362.3 | 362.8 | 360.5 | 356.6 | 353.9 | 352.6 | 347.4 | 346.7 | 342.0 |
| 12.5° | 372.1 | 370.1 | 366.8 | 367.0 | 363.6 | 358.4 | 355.1 | 353.1 | 346.4 | 344.1 | 339.5 |
| 15°   | 376.1 | 374.2 | 370.1 | 370.1 | 365.7 | 359.0 | 355.1 | 352.4 | 343.9 | 340.4 | 335.5 |
| 17.5° | 379.4 | 377.7 | 372.7 | 372.5 | 367.3 | 358.7 | 354.2 | 350.8 | 340.3 | 336.0 | 330.6 |
| 20°   | 381.8 | 380.1 | 374.5 | 374.0 | 367.7 | 357.6 | 352.1 | 347.9 | 335.6 | 330.4 | 324.4 |
| 22.5° | 382.9 | 381.2 | 374.9 | 374.1 | 366.8 | 355.4 | 349.2 | 344.2 | 330.2 | 323.4 | 317.2 |
| 25°   | 382.7 | 381.1 | 373.9 | 373.1 | 365.0 | 352.0 | 345.1 | 339.3 | 323.4 | 315.4 | 309.3 |
| 27.5° | 380.8 | 379.6 | 372.0 | 371.0 | 361.9 | 347.4 | 340.1 | 333.7 | 315.8 | 307.0 | 300.3 |
| 30°   | 377.6 | 376.6 | 368.6 | 367.7 | 358.0 | 342.4 | 334.2 | 326.9 | 307.6 | 297.7 | 290.9 |
| 32.5° | 372.5 | 371.6 | 363.5 | 362.6 | 352.7 | 336.0 | 327.4 | 319.8 | 298.7 | 287.7 | 281.0 |
| 35°   | 365.3 | 364.8 | 356.9 | 356.0 | 346.0 | 328.6 | 319.5 | 311.2 | 289.4 | 277.0 | 270.5 |
| 37.5° | 356.0 | 356.0 | 348.4 | 347.4 | 337.6 | 319.6 | 310.7 | 301.9 | 278.9 | 265.7 | 259.4 |
| 40°   | 345.1 | 346.1 | 338.4 | 337.4 | 327.9 | 310.0 | 300.2 | 290.9 | 267.6 | 253.9 | 247.7 |
| 42.5° | 332.1 | 333.0 | 326.5 | 325.6 | 316.7 | 298.8 | 289.7 | 279.6 | 255.8 | 241.8 | 235.4 |
| 45°   | 317.7 | 318.9 | 313.1 | 312.4 | 304.1 | 286.6 | 277.9 | 267.6 | 243.4 | 229.2 | 222.9 |
| 47.5° | 301.6 | 303.2 | 298.2 | 297.8 | 290.1 | 274.1 | 265.0 | 254.6 | 230.4 | 216.1 | 210.2 |
| 50°   | 283.6 | 285.9 | 281.8 | 281.8 | 274.9 | 258.9 | 251.0 | 240.6 | 217.0 | 202.6 | 196.8 |
| 52.5° | 264.4 | 267.2 | 264.2 | 264.2 | 258.6 | 244.3 | 236.1 | 225.9 | 202.9 | 188.8 | 183.4 |
| 55°   | 244.5 | 247.2 | 245.3 | 245.6 | 241.2 | 228.1 | 220.7 | 210.6 | 188.5 | 174.8 | 169.7 |
| 57.5° | 223.6 | 226.6 | 225.3 | 225.9 | 222.9 | 211.2 | 203.5 | 194.6 | 173.6 | 160.1 | 155.7 |
| 60°   | 202.7 | 205.6 | 204.9 | 205.7 | 203.8 | 193.6 | 186.6 | 177.5 | 158.7 | 145.7 | 141.9 |
| 62.5° | 181.6 | 184.2 | 184.1 | 185.0 | 183.9 | 175.5 | 169.2 | 161.4 | 143.3 | 131.3 | 127.8 |
| 65°   | 160.9 | 163.1 | 163.0 | 164.0 | 163.7 | 157.0 | 151.3 | 144.2 | 127.8 | 116.8 | 113.8 |
| 67.5° | 140.8 | 142.7 | 142.2 | 143.3 | 143.6 | 138.2 | 133.2 | 126.9 | 113.2 | 102.4 | 99.8  |
| 70°   | 121.2 | 122.5 | 121.8 | 122.5 | 123.2 | 119.2 | 115.0 | 109.3 | 97.5  | 88.1  | 85.9  |
| 72.5° | 101.9 | 102.8 | 101.8 | 102.5 | 103.1 | 100.2 | 96.7  | 91.9  | 82.1  | 73.9  | 72.1  |
| 75°   | 83.3  | 84.5  | 82.4  | 83.1  | 83.6  | 80.6  | 78.6  | 74.6  | 66.2  | 59.9  | 58.7  |
| 77.5° | 65.2  | 65.9  | 64.7  | 64.4  | 64.7  | 62.7  | 61.1  | 58.0  | 51.6  | 46.5  | 45.7  |
| 80°   | 48.0  | 48.4  | 47.2  | 46.9  | 47.1  | 45.6  | 44.4  | 42.2  | 37.7  | 33.8  | 33.5  |
| 82.5° | 32.1  | 32.4  | 31.3  | 31.0  | 31.2  | 30.7  | 29.3  | 27.7  | 25.6  | 22.3  | 22.3  |
| 85°   | 18.4  | 18.4  | 17.6  | 17.3  | 17.5  | 16.7  | 16.2  | 15.4  | 14.5  | 12.3  | 12.4  |
| 87.5° | 6.7   | 6.7   | 6.4   | 6.3   | 7.0   | 6.2   | 6.0   | 5.6   | 5.8   | 4.6   | 4.9   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

Cooper Lighting Solutions Photometric Lab

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Peachtree City, GA 30269



TEST NUMBER: P835262

CATALOG NUMBER: ORLG-24-2-INS-ASY2-LD4-1STD-20-120-EDD-90

**CANDELA DISTRIBUTION (continued):**

|       | 80°   | 90°   | 100°  | 110°  | 112.5° | 120°  | 130°  | 135°  | 140°  | 150°  | 157.5° |
|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|
| 0°    | 342.9 | 342.9 | 342.9 | 342.9 | 342.9  | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9  |
| 2.5°  | 344.4 | 343.6 | 342.9 | 340.6 | 341.6  | 339.2 | 339.0 | 338.1 | 337.5 | 336.2 | 337.8  |
| 5°    | 343.2 | 341.7 | 339.8 | 337.0 | 337.8  | 335.0 | 334.4 | 333.3 | 332.4 | 330.8 | 332.1  |
| 7.5°  | 341.4 | 339.0 | 335.9 | 332.4 | 333.5  | 330.0 | 329.1 | 327.9 | 327.2 | 325.2 | 326.4  |
| 10°   | 338.8 | 335.3 | 331.7 | 327.4 | 328.2  | 324.4 | 323.3 | 322.1 | 321.4 | 319.7 | 320.8  |
| 12.5° | 334.8 | 330.5 | 325.6 | 321.0 | 321.9  | 318.3 | 316.8 | 315.5 | 315.3 | 313.8 | 315.2  |
| 15°   | 329.5 | 323.6 | 318.6 | 313.6 | 314.7  | 310.5 | 309.8 | 308.5 | 308.9 | 307.9 | 309.6  |
| 17.5° | 322.8 | 316.0 | 310.6 | 305.2 | 306.3  | 302.8 | 302.2 | 301.6 | 302.0 | 301.9 | 303.7  |
| 20°   | 315.3 | 307.9 | 301.6 | 296.3 | 296.9  | 294.1 | 294.4 | 294.2 | 295.0 | 295.8 | 298.3  |
| 22.5° | 306.9 | 298.4 | 291.8 | 286.4 | 287.3  | 284.9 | 286.0 | 286.3 | 287.5 | 289.4 | 292.6  |
| 25°   | 297.4 | 288.3 | 281.4 | 276.3 | 277.1  | 275.6 | 277.4 | 278.1 | 280.1 | 283.3 | 286.5  |
| 27.5° | 287.4 | 277.8 | 270.5 | 265.6 | 267.2  | 265.6 | 268.3 | 269.8 | 272.9 | 276.3 | 280.3  |
| 30°   | 276.8 | 266.9 | 259.3 | 254.9 | 256.4  | 255.0 | 259.4 | 261.4 | 264.5 | 269.2 | 273.9  |
| 32.5° | 265.7 | 255.2 | 247.8 | 244.5 | 245.5  | 245.3 | 250.2 | 252.4 | 256.5 | 261.9 | 266.9  |
| 35°   | 254.3 | 243.4 | 235.9 | 233.1 | 234.3  | 234.6 | 240.5 | 243.1 | 247.6 | 254.1 | 259.5  |
| 37.5° | 242.6 | 231.4 | 224.1 | 221.7 | 222.9  | 224.0 | 230.8 | 233.4 | 238.5 | 245.7 | 251.6  |
| 40°   | 230.4 | 219.2 | 212.0 | 210.1 | 211.3  | 212.5 | 219.9 | 223.5 | 229.0 | 236.7 | 243.2  |
| 42.5° | 218.0 | 206.8 | 199.9 | 198.5 | 199.6  | 202.0 | 209.8 | 213.2 | 219.1 | 227.6 | 234.7  |
| 45°   | 205.4 | 193.8 | 187.7 | 186.7 | 187.9  | 190.6 | 198.3 | 202.3 | 208.6 | 217.9 | 225.6  |
| 47.5° | 192.7 | 181.4 | 175.6 | 174.9 | 176.1  | 179.1 | 187.7 | 191.3 | 197.9 | 207.9 | 216.1  |
| 50°   | 179.8 | 168.8 | 163.2 | 163.0 | 164.1  | 167.3 | 175.5 | 179.9 | 186.7 | 197.8 | 206.3  |
| 52.5° | 166.7 | 156.2 | 151.2 | 151.2 | 152.2  | 155.5 | 163.7 | 168.2 | 175.3 | 187.1 | 196.4  |
| 55°   | 153.7 | 143.7 | 138.9 | 139.2 | 140.7  | 143.6 | 151.6 | 156.3 | 163.4 | 175.7 | 185.6  |
| 57.5° | 140.7 | 131.1 | 126.8 | 127.3 | 128.7  | 131.6 | 139.5 | 144.8 | 151.2 | 163.9 | 174.0  |
| 60°   | 127.8 | 118.8 | 115.0 | 115.6 | 116.8  | 119.7 | 127.8 | 132.4 | 138.9 | 151.8 | 161.9  |
| 62.5° | 114.7 | 106.6 | 103.0 | 103.7 | 104.8  | 107.7 | 115.4 | 119.8 | 126.2 | 138.9 | 149.1  |
| 65°   | 101.8 | 94.3  | 91.2  | 92.0  | 93.0   | 95.6  | 102.9 | 107.2 | 113.2 | 125.6 | 135.3  |
| 67.5° | 89.1  | 82.2  | 79.7  | 80.4  | 81.2   | 83.7  | 89.7  | 94.3  | 100.0 | 111.8 | 121.0  |
| 70°   | 76.5  | 70.4  | 68.1  | 68.9  | 69.6   | 71.9  | 77.1  | 81.4  | 86.6  | 97.4  | 106.0  |
| 72.5° | 64.1  | 58.1  | 57.0  | 57.6  | 58.2   | 60.2  | 65.2  | 68.6  | 73.1  | 82.7  | 90.1   |
| 75°   | 51.9  | 46.8  | 46.0  | 46.7  | 47.2   | 48.7  | 52.9  | 55.8  | 59.7  | 68.0  | 74.0   |
| 77.5° | 40.2  | 35.9  | 35.6  | 36.1  | 36.6   | 37.7  | 41.0  | 44.1  | 47.1  | 53.2  | 58.5   |
| 80°   | 29.3  | 25.8  | 25.8  | 26.3  | 26.2   | 27.4  | 29.8  | 32.2  | 34.4  | 38.8  | 42.7   |
| 82.5° | 19.3  | 16.6  | 16.9  | 17.3  | 17.5   | 18.1  | 19.5  | 21.4  | 22.7  | 25.4  | 28.0   |
| 85°   | 10.7  | 8.8   | 9.2   | 9.5   | 9.4    | 10.0  | 10.7  | 11.8  | 12.5  | 13.8  | 15.1   |
| 87.5° | 4.0   | 3.3   | 3.4   | 3.6   | 3.7    | 4.0   | 4.0   | 4.7   | 4.8   | 4.9   | 5.2    |
| 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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Peachtree City, GA 30269



TEST NUMBER: P835262

CATALOG NUMBER: ORLG-24-2-INS-ASY2-LD4-1STD-20-120-EDD-90

**CANDELA DISTRIBUTION (continued):**

|       | 160°  | 170°  | 180°  |
|-------|-------|-------|-------|
| 0°    | 342.9 | 342.9 | 342.9 |
| 2.5°  | 334.7 | 336.5 | 337.8 |
| 5°    | 328.9 | 330.4 | 331.6 |
| 7.5°  | 323.3 | 324.6 | 325.7 |
| 10°   | 318.0 | 319.5 | 320.2 |
| 12.5° | 312.5 | 314.2 | 314.8 |
| 15°   | 307.1 | 308.8 | 309.6 |
| 17.5° | 301.6 | 303.8 | 304.6 |
| 20°   | 296.4 | 299.2 | 299.9 |
| 22.5° | 291.1 | 294.1 | 294.9 |
| 25°   | 285.4 | 288.9 | 289.7 |
| 27.5° | 279.4 | 283.5 | 284.3 |
| 30°   | 273.3 | 277.8 | 278.6 |
| 32.5° | 266.8 | 271.7 | 272.4 |
| 35°   | 260.0 | 264.8 | 265.7 |
| 37.5° | 252.4 | 257.7 | 259.5 |
| 40°   | 244.5 | 250.3 | 252.2 |
| 42.5° | 236.3 | 242.6 | 244.5 |
| 45°   | 227.4 | 234.3 | 236.6 |
| 47.5° | 218.5 | 226.3 | 228.3 |
| 50°   | 208.9 | 217.2 | 219.5 |
| 52.5° | 198.7 | 207.8 | 210.1 |
| 55°   | 188.2 | 197.4 | 199.9 |
| 57.5° | 176.9 | 186.3 | 189.0 |
| 60°   | 164.9 | 174.4 | 176.9 |
| 62.5° | 152.7 | 161.3 | 163.7 |
| 65°   | 139.1 | 147.1 | 149.4 |
| 67.5° | 124.6 | 132.0 | 133.8 |
| 70°   | 109.3 | 115.6 | 117.3 |
| 72.5° | 93.2  | 97.6  | 99.8  |
| 75°   | 76.7  | 80.2  | 81.8  |
| 77.5° | 60.0  | 62.5  | 63.8  |
| 80°   | 43.8  | 45.2  | 46.3  |
| 82.5° | 28.6  | 29.2  | 30.1  |
| 85°   | 15.4  | 15.4  | 16.0  |
| 87.5° | 5.2   | 5.0   | 5.2   |
| 90°   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)