

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: CORELITE

Report Number: P274998

Luminaire Tested: **J3-CL-30L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P274998  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-CL-30L82765-1D-UNV-W2A-W-4 (6500K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 6500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3015.0 lumens  
Efficiency: N/A  
Efficacy: 139.6 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

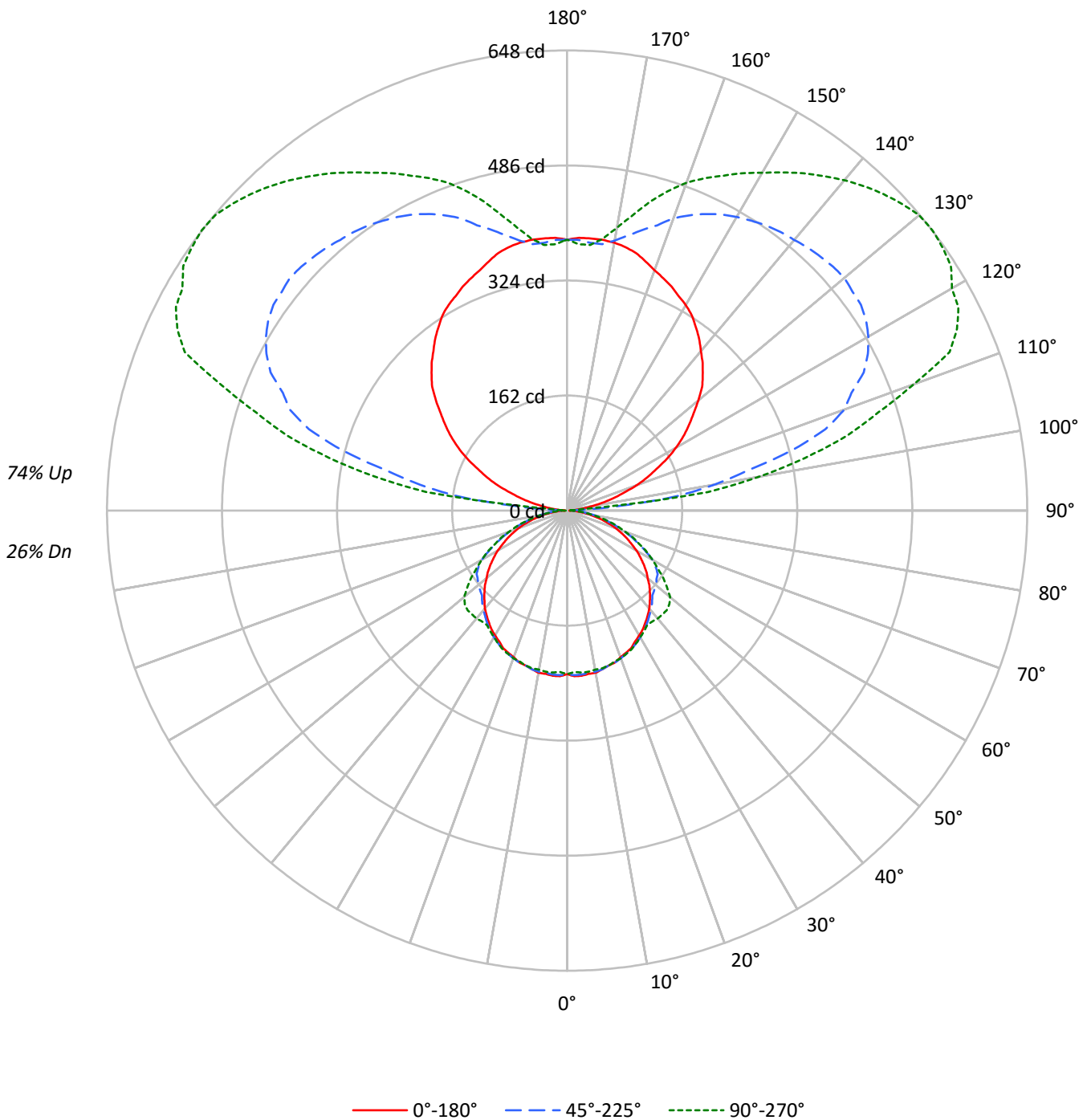
Input Watts (W): 21.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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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   | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 70 | 70 | 70 | 51 | 51 | 51 | 34 | 34 | 34 | 26 |
| 1   | 92  | 88  | 84  | 80  | 82 | 78 | 75 | 72 | 61 | 58 | 56 | 44 | 43 | 42 | 29 | 28 | 28 | 21 |
| 2   | 84  | 76  | 70  | 65  | 74 | 68 | 63 | 59 | 53 | 49 | 46 | 38 | 36 | 34 | 25 | 24 | 23 | 17 |
| 3   | 76  | 67  | 60  | 54  | 67 | 60 | 54 | 49 | 46 | 42 | 38 | 34 | 31 | 29 | 22 | 21 | 19 | 14 |
| 4   | 69  | 59  | 51  | 45  | 61 | 53 | 46 | 41 | 41 | 36 | 32 | 30 | 27 | 24 | 20 | 18 | 16 | 12 |
| 5   | 63  | 52  | 44  | 38  | 56 | 47 | 40 | 35 | 36 | 31 | 28 | 27 | 23 | 21 | 18 | 16 | 14 | 10 |
| 6   | 58  | 46  | 39  | 33  | 52 | 42 | 35 | 30 | 32 | 28 | 24 | 24 | 21 | 18 | 16 | 14 | 12 | 9  |
| 7   | 54  | 42  | 34  | 29  | 48 | 37 | 31 | 26 | 29 | 24 | 21 | 22 | 18 | 16 | 14 | 12 | 11 | 8  |
| 8   | 50  | 38  | 30  | 25  | 44 | 34 | 27 | 23 | 26 | 22 | 18 | 20 | 16 | 14 | 13 | 11 | 9  | 7  |
| 9   | 46  | 34  | 27  | 22  | 41 | 31 | 24 | 20 | 24 | 19 | 16 | 18 | 15 | 12 | 12 | 10 | 8  | 6  |
| 10  | 43  | 31  | 24  | 19  | 38 | 28 | 22 | 18 | 22 | 17 | 14 | 16 | 13 | 11 | 11 | 9  | 8  | 6  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1860 | 1860 | 1860 |
| 5°  | 1892 | 1879 | 1855 |
| 10° | 1901 | 1889 | 1864 |
| 15° | 1887 | 1887 | 1887 |
| 20° | 1887 | 1901 | 1901 |
| 25° | 1903 | 1917 | 1917 |
| 30° | 1891 | 1920 | 1920 |
| 35° | 1895 | 1925 | 1940 |
| 40° | 1898 | 1930 | 2091 |
| 45° | 1881 | 1934 | 2265 |
| 50° | 1859 | 2051 | 2376 |
| 55° | 1847 | 2190 | 2320 |
| 60° | 1823 | 2243 | 2243 |
| 65° | 1778 | 2128 | 2157 |
| 70° | 1728 | 2018 | 2054 |
| 75° | 1619 | 1903 | 1953 |
| 80° | 1488 | 1846 | 1771 |
| 85° | 1417 | 1982 | 1695 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 22.0   | 0.7       |
| 10°-20°   | 63.8   | 2.1       |
| 20°-30°   | 98.6   | 3.3       |
| 30°-40°   | 122.2  | 4.1       |
| 40°-50°   | 136.8  | 4.5       |
| 50°-60°   | 133.7  | 4.4       |
| 60°-70°   | 105.5  | 3.5       |
| 70°-80°   | 63.8   | 2.1       |
| 80°-90°   | 22.7   | 0.8       |
| 90°-100°  | 78.3   | 2.6       |
| 100°-110° | 302.9  | 10.0      |
| 110°-120° | 416.2  | 13.8      |
| 120°-130° | 421.1  | 14.0      |
| 130°-140° | 373.2  | 12.4      |
| 140°-150° | 295.1  | 9.8       |
| 150°-160° | 206.1  | 6.8       |
| 160°-170° | 116.6  | 3.9       |
| 170°-180° | 36.6   | 1.2       |
| 0°-30°    | 184.3  | 6.1       |
| 0°-40°    | 306.5  | 10.2      |
| 0°-60°    | 577.0  | 19.1      |
| 0°-90°    | 769.0  | 25.5      |
| 90°-120°  | 797.4  | 26.4      |
| 90°-150°  | 1886.8 | 62.6      |
| 90°-180°  | 2246.0 | 74.5      |
| 0°-180°   | 3015.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 230 | 230   | 230 | 230   | 230 |      |
| 5°   | 234 | 230   | 232 | 230   | 229 | 22   |
| 15°  | 226 | 224   | 226 | 226   | 226 | 64   |
| 25°  | 214 | 211   | 215 | 215   | 215 | 98   |
| 35°  | 192 | 192   | 195 | 197   | 197 | 120  |
| 45°  | 165 | 166   | 169 | 191   | 198 | 127  |
| 55°  | 131 | 133   | 156 | 165   | 165 | 117  |
| 65°  | 93  | 98    | 111 | 113   | 113 | 92   |
| 75°  | 52  | 61    | 61  | 63    | 63  | 55   |
| 85°  | 15  | 24    | 21  | 20    | 18  | 16   |
| 90°  | 3   | 9     | 8   | 2     | 2   | 3    |
| 95°  | 12  | 61    | 73  | 15    | 15  | 15   |
| 105° | 67  | 217   | 328 | 378   | 409 | 71   |
| 115° | 139 | 293   | 461 | 571   | 606 | 139  |
| 125° | 209 | 339   | 505 | 615   | 646 | 187  |
| 135° | 270 | 372   | 505 | 604   | 630 | 208  |
| 145° | 316 | 382   | 490 | 562   | 580 | 198  |
| 155° | 348 | 372   | 461 | 511   | 520 | 160  |
| 165° | 375 | 374   | 409 | 444   | 450 | 106  |
| 175° | 384 | 380   | 378 | 378   | 375 | 37   |
| 180° | 382 | 382   | 382 | 382   | 382 |      |



TEST NUMBER: P274998

CATALOG NUMBER: J3-CL-30L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 0°     | 230.4 | 230.4 | 230.4 | 230.4 | 230.4 |
| 2.5°   | 233.5 | 230.4 | 231.9 | 230.4 | 227.4 |
| 5°     | 233.5 | 230.4 | 231.9 | 230.4 | 228.9 |
| 7.5°   | 231.9 | 230.4 | 230.4 | 228.9 | 228.9 |
| 10°    | 231.9 | 228.9 | 230.4 | 228.9 | 227.4 |
| 12.5°  | 228.9 | 227.4 | 228.9 | 227.4 | 227.4 |
| 15°    | 225.8 | 224.3 | 225.8 | 225.8 | 225.8 |
| 17.5°  | 224.3 | 221.3 | 224.3 | 224.3 | 222.8 |
| 20°    | 219.7 | 218.2 | 221.3 | 221.3 | 221.3 |
| 22.5°  | 216.7 | 215.2 | 218.2 | 218.2 | 218.2 |
| 25°    | 213.6 | 210.6 | 215.2 | 215.2 | 215.2 |
| 27.5°  | 207.5 | 207.5 | 210.6 | 212.1 | 210.6 |
| 30°    | 202.9 | 201.4 | 206.0 | 207.5 | 206.0 |
| 32.5°  | 198.4 | 196.8 | 201.4 | 202.9 | 201.4 |
| 35°    | 192.3 | 192.3 | 195.3 | 196.8 | 196.8 |
| 37.5°  | 186.2 | 186.2 | 189.2 | 190.7 | 196.8 |
| 40°    | 180.1 | 180.1 | 183.1 | 192.3 | 198.4 |
| 42.5°  | 172.4 | 172.4 | 177.0 | 190.7 | 198.4 |
| 45°    | 164.8 | 166.3 | 169.4 | 190.7 | 198.4 |
| 47.5°  | 157.2 | 158.7 | 166.3 | 189.2 | 195.3 |
| 50°    | 148.0 | 151.1 | 163.3 | 184.6 | 189.2 |
| 52.5°  | 140.4 | 141.9 | 158.7 | 177.0 | 177.0 |
| 55°    | 131.2 | 132.8 | 155.6 | 164.8 | 164.8 |
| 57.5°  | 122.1 | 123.6 | 148.0 | 151.1 | 151.1 |
| 60°    | 112.9 | 114.4 | 138.9 | 138.9 | 138.9 |
| 62.5°  | 102.2 | 105.3 | 125.1 | 126.7 | 126.7 |
| 65°    | 93.1  | 97.7  | 111.4 | 112.9 | 112.9 |
| 67.5°  | 82.4  | 90.0  | 99.2  | 100.7 | 100.7 |
| 70°    | 73.2  | 82.4  | 85.5  | 87.0  | 87.0  |
| 72.5°  | 62.6  | 71.7  | 73.2  | 74.8  | 74.8  |
| 75°    | 51.9  | 61.0  | 61.0  | 62.6  | 62.6  |
| 77.5°  | 41.2  | 48.8  | 50.4  | 50.4  | 50.4  |
| 80°    | 32.0  | 36.6  | 39.7  | 38.1  | 38.1  |
| 82.5°  | 22.9  | 29.0  | 29.0  | 29.0  | 27.5  |
| 85°    | 15.3  | 24.4  | 21.4  | 19.8  | 18.3  |
| 87.5°  | 9.2   | 21.4  | 12.2  | 10.7  | 10.7  |
| 90°    | 3.1   | 9.2   | 7.6   | 1.5   | 1.5   |
| 92.5°  | 6.1   | 15.3  | 7.6   | 6.1   | 4.6   |
| 95°    | 12.2  | 61.0  | 73.2  | 15.3  | 15.3  |
| 97.5°  | 22.9  | 102.2 | 157.2 | 186.2 | 199.9 |
| 100°   | 35.1  | 152.6 | 210.6 | 257.9 | 274.7 |
| 102.5° | 50.4  | 184.6 | 259.4 | 318.9 | 343.3 |
| 105°   | 67.1  | 216.7 | 328.1 | 378.4 | 408.9 |
| 107.5° | 83.9  | 241.1 | 381.5 | 437.9 | 459.3 |
| 110°   | 103.8 | 260.9 | 415.1 | 512.7 | 518.8 |



TEST NUMBER: P274998

CATALOG NUMBER: J3-CL-30L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 122.1 | 276.2 | 433.4 | 549.3 | 582.9 |
| 115°   | 138.9 | 293.0 | 460.8 | 570.7 | 605.8 |
| 117.5° | 158.7 | 305.2 | 477.6 | 582.9 | 621.1 |
| 120°   | 177.0 | 315.9 | 489.8 | 598.2 | 625.6 |
| 122.5° | 193.8 | 328.1 | 499.0 | 610.4 | 640.9 |
| 125°   | 209.1 | 338.8 | 505.1 | 614.9 | 645.5 |
| 127.5° | 224.3 | 347.9 | 506.6 | 616.5 | 648.5 |
| 130°   | 241.1 | 357.1 | 509.7 | 614.9 | 647.0 |
| 132.5° | 257.9 | 366.2 | 508.1 | 610.4 | 639.4 |
| 135°   | 270.1 | 372.3 | 505.1 | 604.3 | 630.2 |
| 137.5° | 282.3 | 376.9 | 502.0 | 595.1 | 619.5 |
| 140°   | 293.0 | 380.0 | 497.5 | 584.4 | 607.3 |
| 142.5° | 305.2 | 381.5 | 494.4 | 573.7 | 593.6 |
| 145°   | 315.9 | 381.5 | 489.8 | 561.5 | 579.9 |
| 147.5° | 326.5 | 380.0 | 483.7 | 549.3 | 564.6 |
| 150°   | 334.2 | 376.9 | 477.6 | 537.1 | 549.3 |
| 152.5° | 340.3 | 373.9 | 470.0 | 523.4 | 535.6 |
| 155°   | 347.9 | 372.3 | 460.8 | 511.2 | 520.3 |
| 157.5° | 354.0 | 372.3 | 450.1 | 497.5 | 506.6 |
| 160°   | 360.1 | 372.3 | 437.9 | 483.7 | 491.3 |
| 162.5° | 367.7 | 372.3 | 421.2 | 463.9 | 471.5 |
| 165°   | 375.4 | 373.9 | 408.9 | 444.0 | 450.1 |
| 167.5° | 380.0 | 373.9 | 396.7 | 419.6 | 425.7 |
| 170°   | 383.0 | 376.9 | 386.1 | 402.8 | 404.4 |
| 172.5° | 384.5 | 380.0 | 378.4 | 386.1 | 386.1 |
| 175°   | 384.5 | 380.0 | 378.4 | 378.4 | 375.4 |
| 177.5° | 384.5 | 381.5 | 381.5 | 380.0 | 375.4 |
| 180°   | 381.5 | 381.5 | 381.5 | 381.5 | 381.5 |

(END OF REPORT)