

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: P275046

Luminaire Tested: **J3-CL-60L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275046
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-60L82765-1D-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: 6041.1 lumens
Efficiency: N/A
Efficacy: 131.3 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

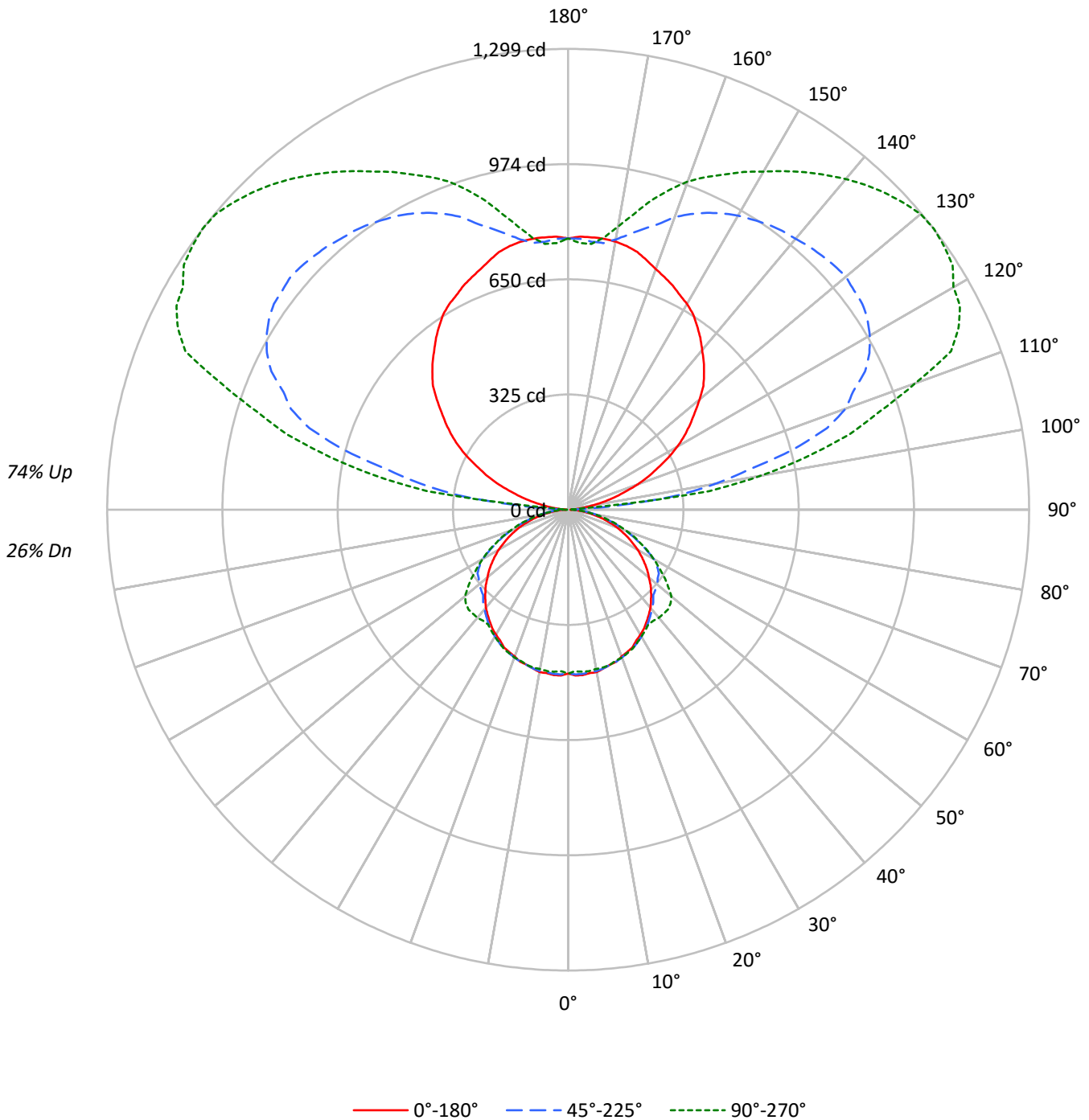
Input Watts (W): 46
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275046

CATALOG NUMBER: J3-CL-60L82765-1D-UNV-W2A-W-4 (6500K)

Luminous Intensity Polar Plot





TEST NUMBER: P275046

CATALOG NUMBER: J3-CL-60L82765-1D-UNV-W2A-W-4 (6500K)

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 | 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° | 3727 | 3727 | 3727 |
| 5° | 3791 | 3766 | 3716 |
| 10° | 3809 | 3785 | 3735 |
| 15° | 3782 | 3782 | 3782 |
| 20° | 3783 | 3808 | 3808 |
| 25° | 3812 | 3840 | 3840 |
| 30° | 3790 | 3848 | 3848 |
| 35° | 3796 | 3857 | 3887 |
| 40° | 3802 | 3867 | 4189 |
| 45° | 3770 | 3875 | 4538 |
| 50° | 3725 | 4108 | 4761 |
| 55° | 3700 | 4390 | 4647 |
| 60° | 3654 | 4492 | 4492 |
| 65° | 3563 | 4264 | 4323 |
| 70° | 3465 | 4041 | 4114 |
| 75° | 3244 | 3815 | 3911 |
| 80° | 2985 | 3696 | 3552 |
| 85° | 2834 | 3964 | 3399 |



TEST NUMBER: P275046

CATALOG NUMBER: J3-CL-60L82765-1D-UNV-W2A-W-4 (6500K)

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 44.0 | 0.7 |
| 10°-20° | 127.8 | 2.1 |
| 20°-30° | 197.5 | 3.3 |
| 30°-40° | 244.9 | 4.1 |
| 40°-50° | 274.1 | 4.5 |
| 50°-60° | 267.8 | 4.4 |
| 60°-70° | 211.3 | 3.5 |
| 70°-80° | 127.9 | 2.1 |
| 80°-90° | 45.5 | 0.8 |
| 90°-100° | 156.9 | 2.6 |
| 100°-110° | 606.8 | 10.0 |
| 110°-120° | 833.9 | 13.8 |
| 120°-130° | 843.7 | 14.0 |
| 130°-140° | 747.7 | 12.4 |
| 140°-150° | 591.4 | 9.8 |
| 150°-160° | 412.9 | 6.8 |
| 160°-170° | 233.7 | 3.9 |
| 170°-180° | 73.3 | 1.2 |
| 0°-30° | 369.3 | 6.1 |
| 0°-40° | 614.2 | 10.2 |
| 0°-60° | 1156.1 | 19.1 |
| 0°-90° | 1540.8 | 25.5 |
| 90°-120° | 1597.7 | 26.4 |
| 90°-150° | 3780.5 | 62.6 |
| 90°-180° | 4500.0 | 74.5 |
| 0°-180° | 6041.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 462 | 462 | 462 | 462 | 462 | |
| 5° | 468 | 462 | 465 | 462 | 459 | 44 |
| 15° | 452 | 449 | 452 | 452 | 452 | 128 |
| 25° | 428 | 422 | 431 | 431 | 431 | 196 |
| 35° | 385 | 385 | 391 | 394 | 394 | 241 |
| 45° | 330 | 333 | 339 | 382 | 398 | 255 |
| 55° | 263 | 266 | 312 | 330 | 330 | 235 |
| 65° | 186 | 196 | 223 | 226 | 226 | 184 |
| 75° | 104 | 122 | 122 | 125 | 125 | 110 |
| 85° | 31 | 49 | 43 | 40 | 37 | 32 |
| 90° | 6 | 18 | 15 | 3 | 3 | 6 |
| 95° | 24 | 122 | 147 | 31 | 31 | 30 |
| 105° | 134 | 434 | 657 | 758 | 819 | 143 |
| 115° | 278 | 587 | 923 | 1144 | 1214 | 278 |
| 125° | 419 | 679 | 1012 | 1232 | 1293 | 375 |
| 135° | 541 | 746 | 1012 | 1211 | 1263 | 417 |
| 145° | 633 | 764 | 981 | 1125 | 1162 | 396 |
| 155° | 697 | 746 | 923 | 1024 | 1043 | 321 |
| 165° | 752 | 749 | 819 | 890 | 902 | 212 |
| 175° | 770 | 761 | 758 | 758 | 752 | 73 |
| 180° | 764 | 764 | 764 | 764 | 764 | |



TEST NUMBER: P275046

CATALOG NUMBER: J3-CL-60L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|--------|--------|
| 0° | 461.7 | 461.7 | 461.7 | 461.7 | 461.7 |
| 2.5° | 467.8 | 461.7 | 464.7 | 461.7 | 455.6 |
| 5° | 467.8 | 461.7 | 464.7 | 461.7 | 458.6 |
| 7.5° | 464.7 | 461.7 | 461.7 | 458.6 | 458.6 |
| 10° | 464.7 | 458.6 | 461.7 | 458.6 | 455.6 |
| 12.5° | 458.6 | 455.6 | 458.6 | 455.6 | 455.6 |
| 15° | 452.5 | 449.4 | 452.5 | 452.5 | 452.5 |
| 17.5° | 449.4 | 443.3 | 449.4 | 449.4 | 446.4 |
| 20° | 440.3 | 437.2 | 443.3 | 443.3 | 443.3 |
| 22.5° | 434.2 | 431.1 | 437.2 | 437.2 | 437.2 |
| 25° | 428.0 | 421.9 | 431.1 | 431.1 | 431.1 |
| 27.5° | 415.8 | 415.8 | 421.9 | 425.0 | 421.9 |
| 30° | 406.6 | 403.6 | 412.8 | 415.8 | 412.8 |
| 32.5° | 397.5 | 394.4 | 403.6 | 406.6 | 403.6 |
| 35° | 385.2 | 385.2 | 391.4 | 394.4 | 394.4 |
| 37.5° | 373.0 | 373.0 | 379.1 | 382.2 | 394.4 |
| 40° | 360.8 | 360.8 | 366.9 | 385.2 | 397.5 |
| 42.5° | 345.5 | 345.5 | 354.7 | 382.2 | 397.5 |
| 45° | 330.2 | 333.3 | 339.4 | 382.2 | 397.5 |
| 47.5° | 314.9 | 318.0 | 333.3 | 379.1 | 391.4 |
| 50° | 296.6 | 302.7 | 327.1 | 370.0 | 379.1 |
| 52.5° | 281.3 | 284.3 | 318.0 | 354.7 | 354.7 |
| 55° | 262.9 | 266.0 | 311.9 | 330.2 | 330.2 |
| 57.5° | 244.6 | 247.7 | 296.6 | 302.7 | 302.7 |
| 60° | 226.3 | 229.3 | 278.2 | 278.2 | 278.2 |
| 62.5° | 204.8 | 211.0 | 250.7 | 253.8 | 253.8 |
| 65° | 186.5 | 195.7 | 223.2 | 226.3 | 226.3 |
| 67.5° | 165.1 | 180.4 | 198.7 | 201.8 | 201.8 |
| 70° | 146.8 | 165.1 | 171.2 | 174.3 | 174.3 |
| 72.5° | 125.4 | 143.7 | 146.8 | 149.8 | 149.8 |
| 75° | 104.0 | 122.3 | 122.3 | 125.4 | 125.4 |
| 77.5° | 82.6 | 97.8 | 100.9 | 100.9 | 100.9 |
| 80° | 64.2 | 73.4 | 79.5 | 76.4 | 76.4 |
| 82.5° | 45.9 | 58.1 | 58.1 | 58.1 | 55.0 |
| 85° | 30.6 | 48.9 | 42.8 | 39.7 | 36.7 |
| 87.5° | 18.3 | 42.8 | 24.5 | 21.4 | 21.4 |
| 90° | 6.1 | 18.3 | 15.3 | 3.1 | 3.1 |
| 92.5° | 12.2 | 30.6 | 15.3 | 12.2 | 9.2 |
| 95° | 24.5 | 122.3 | 146.8 | 30.6 | 30.6 |
| 97.5° | 45.9 | 204.8 | 314.9 | 373.0 | 400.5 |
| 100° | 70.3 | 305.7 | 421.9 | 516.7 | 550.3 |
| 102.5° | 100.9 | 370.0 | 519.8 | 639.0 | 687.9 |
| 105° | 134.5 | 434.2 | 657.4 | 758.2 | 819.4 |
| 107.5° | 168.2 | 483.1 | 764.4 | 877.5 | 920.3 |
| 110° | 207.9 | 522.8 | 831.6 | 1027.3 | 1039.5 |



TEST NUMBER: P275046

CATALOG NUMBER: J3-CL-60L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|--------|--------|--------|
| 112.5° | 244.6 | 553.4 | 868.3 | 1100.7 | 1167.9 |
| 115° | 278.2 | 587.0 | 923.4 | 1143.5 | 1213.8 |
| 117.5° | 318.0 | 611.5 | 957.0 | 1167.9 | 1244.4 |
| 120° | 354.7 | 632.9 | 981.4 | 1198.5 | 1253.6 |
| 122.5° | 388.3 | 657.4 | 999.8 | 1223.0 | 1284.1 |
| 125° | 418.9 | 678.8 | 1012.0 | 1232.2 | 1293.3 |
| 127.5° | 449.4 | 697.1 | 1015.1 | 1235.2 | 1299.4 |
| 130° | 483.1 | 715.4 | 1021.2 | 1232.2 | 1296.4 |
| 132.5° | 516.7 | 733.8 | 1018.1 | 1223.0 | 1281.1 |
| 135° | 541.2 | 746.0 | 1012.0 | 1210.8 | 1262.7 |
| 137.5° | 565.6 | 755.2 | 1005.9 | 1192.4 | 1241.3 |
| 140° | 587.0 | 761.3 | 996.7 | 1171.0 | 1216.9 |
| 142.5° | 611.5 | 764.4 | 990.6 | 1149.6 | 1189.3 |
| 145° | 632.9 | 764.4 | 981.4 | 1125.1 | 1161.8 |
| 147.5° | 654.3 | 761.3 | 969.2 | 1100.7 | 1131.3 |
| 150° | 669.6 | 755.2 | 957.0 | 1076.2 | 1100.7 |
| 152.5° | 681.8 | 749.1 | 941.7 | 1048.7 | 1073.2 |
| 155° | 697.1 | 746.0 | 923.4 | 1024.2 | 1042.6 |
| 157.5° | 709.3 | 746.0 | 901.9 | 996.7 | 1015.1 |
| 160° | 721.6 | 746.0 | 877.5 | 969.2 | 984.5 |
| 162.5° | 736.8 | 746.0 | 843.9 | 929.5 | 944.8 |
| 165° | 752.1 | 749.1 | 819.4 | 889.7 | 901.9 |
| 167.5° | 761.3 | 749.1 | 794.9 | 840.8 | 853.0 |
| 170° | 767.4 | 755.2 | 773.5 | 807.2 | 810.2 |
| 172.5° | 770.5 | 761.3 | 758.2 | 773.5 | 773.5 |
| 175° | 770.5 | 761.3 | 758.2 | 758.2 | 752.1 |
| 177.5° | 770.5 | 764.4 | 764.4 | 761.3 | 752.1 |
| 180° | 764.4 | 764.4 | 764.4 | 764.4 | 764.4 |

(END OF REPORT)