

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: P275032

Luminaire Tested: **J3-CL-50L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275032
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-50L92765-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3911.1 lumens
Efficiency: N/A
Efficacy: 111.1 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

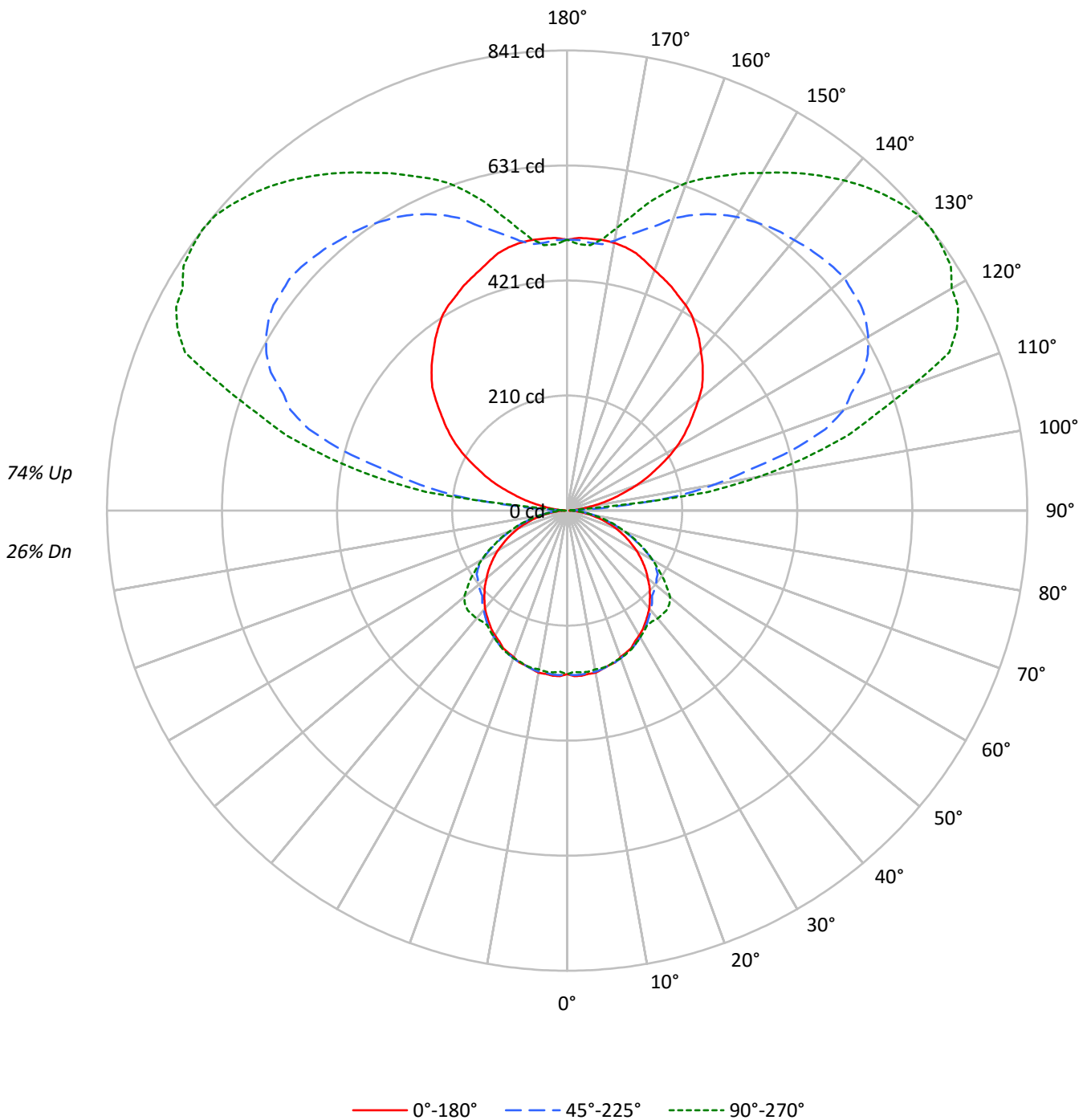
Input Watts (W): 35.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275032

CATALOG NUMBER: J3-CL-50L92765-1D-UNV-W2A-W-4 (3000K)

Luminous Intensity Polar Plot





TEST NUMBER: P275032

CATALOG NUMBER: J3-CL-50L92765-1D-UNV-W2A-W-4 (3000K)

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 | 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° | 2413 | 2413 | 2413 |
| 5° | 2455 | 2438 | 2406 |
| 10° | 2467 | 2450 | 2417 |
| 15° | 2449 | 2449 | 2449 |
| 20° | 2448 | 2466 | 2466 |
| 25° | 2468 | 2486 | 2486 |
| 30° | 2454 | 2491 | 2491 |
| 35° | 2458 | 2497 | 2516 |
| 40° | 2462 | 2503 | 2712 |
| 45° | 2441 | 2508 | 2938 |
| 50° | 2411 | 2660 | 3083 |
| 55° | 2396 | 2842 | 3009 |
| 60° | 2365 | 2908 | 2908 |
| 65° | 2306 | 2760 | 2798 |
| 70° | 2242 | 2615 | 2662 |
| 75° | 2099 | 2470 | 2533 |
| 80° | 1934 | 2394 | 2301 |
| 85° | 1834 | 2566 | 2205 |



TEST NUMBER: P275032

CATALOG NUMBER: J3-CL-50L92765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 28.5 | 0.7 |
| 10°-20° | 82.7 | 2.1 |
| 20°-30° | 127.8 | 3.3 |
| 30°-40° | 158.6 | 4.1 |
| 40°-50° | 177.5 | 4.5 |
| 50°-60° | 173.4 | 4.4 |
| 60°-70° | 136.8 | 3.5 |
| 70°-80° | 82.8 | 2.1 |
| 80°-90° | 29.5 | 0.8 |
| 90°-100° | 101.6 | 2.6 |
| 100°-110° | 392.9 | 10.0 |
| 110°-120° | 539.9 | 13.8 |
| 120°-130° | 546.2 | 14.0 |
| 130°-140° | 484.1 | 12.4 |
| 140°-150° | 382.9 | 9.8 |
| 150°-160° | 267.3 | 6.8 |
| 160°-170° | 151.3 | 3.9 |
| 170°-180° | 47.4 | 1.2 |
| 0°-30° | 239.1 | 6.1 |
| 0°-40° | 397.7 | 10.2 |
| 0°-60° | 748.5 | 19.1 |
| 0°-90° | 997.6 | 25.5 |
| 90°-120° | 1034.4 | 26.4 |
| 90°-150° | 2447.5 | 62.6 |
| 90°-180° | 2914.0 | 74.5 |
| 0°-180° | 3911.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 299 | 299 | 299 | 299 | 299 | |
| 5° | 303 | 299 | 301 | 299 | 297 | 29 |
| 15° | 293 | 291 | 293 | 293 | 293 | 83 |
| 25° | 277 | 273 | 279 | 279 | 279 | 127 |
| 35° | 249 | 249 | 253 | 255 | 255 | 156 |
| 45° | 214 | 216 | 220 | 247 | 257 | 165 |
| 55° | 170 | 172 | 202 | 214 | 214 | 152 |
| 65° | 121 | 127 | 144 | 146 | 146 | 119 |
| 75° | 67 | 79 | 79 | 81 | 81 | 71 |
| 85° | 20 | 32 | 28 | 26 | 24 | 21 |
| 90° | 4 | 12 | 10 | 2 | 2 | 4 |
| 95° | 16 | 79 | 95 | 20 | 20 | 20 |
| 105° | 87 | 281 | 426 | 491 | 530 | 93 |
| 115° | 180 | 380 | 598 | 740 | 786 | 180 |
| 125° | 271 | 439 | 655 | 798 | 837 | 243 |
| 135° | 350 | 483 | 655 | 784 | 818 | 270 |
| 145° | 410 | 495 | 635 | 728 | 752 | 256 |
| 155° | 451 | 483 | 598 | 663 | 675 | 208 |
| 165° | 487 | 485 | 530 | 576 | 584 | 137 |
| 175° | 499 | 493 | 491 | 491 | 487 | 48 |
| 180° | 495 | 495 | 495 | 495 | 495 | |



TEST NUMBER: P275032

CATALOG NUMBER: J3-CL-50L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 0° | 298.9 | 298.9 | 298.9 | 298.9 | 298.9 |
| 2.5° | 302.9 | 298.9 | 300.9 | 298.9 | 294.9 |
| 5° | 302.9 | 298.9 | 300.9 | 298.9 | 296.9 |
| 7.5° | 300.9 | 298.9 | 298.9 | 296.9 | 296.9 |
| 10° | 300.9 | 296.9 | 298.9 | 296.9 | 294.9 |
| 12.5° | 296.9 | 294.9 | 296.9 | 294.9 | 294.9 |
| 15° | 293.0 | 291.0 | 293.0 | 293.0 | 293.0 |
| 17.5° | 291.0 | 287.0 | 291.0 | 291.0 | 289.0 |
| 20° | 285.0 | 283.1 | 287.0 | 287.0 | 287.0 |
| 22.5° | 281.1 | 279.1 | 283.1 | 283.1 | 283.1 |
| 25° | 277.1 | 273.2 | 279.1 | 279.1 | 279.1 |
| 27.5° | 269.2 | 269.2 | 273.2 | 275.1 | 273.2 |
| 30° | 263.3 | 261.3 | 267.2 | 269.2 | 267.2 |
| 32.5° | 257.3 | 255.3 | 261.3 | 263.3 | 261.3 |
| 35° | 249.4 | 249.4 | 253.4 | 255.3 | 255.3 |
| 37.5° | 241.5 | 241.5 | 245.5 | 247.4 | 255.3 |
| 40° | 233.6 | 233.6 | 237.5 | 249.4 | 257.3 |
| 42.5° | 223.7 | 223.7 | 229.6 | 247.4 | 257.3 |
| 45° | 213.8 | 215.8 | 219.7 | 247.4 | 257.3 |
| 47.5° | 203.9 | 205.9 | 215.8 | 245.5 | 253.4 |
| 50° | 192.0 | 196.0 | 211.8 | 239.5 | 245.5 |
| 52.5° | 182.1 | 184.1 | 205.9 | 229.6 | 229.6 |
| 55° | 170.2 | 172.2 | 201.9 | 213.8 | 213.8 |
| 57.5° | 158.4 | 160.3 | 192.0 | 196.0 | 196.0 |
| 60° | 146.5 | 148.5 | 180.1 | 180.1 | 180.1 |
| 62.5° | 132.6 | 136.6 | 162.3 | 164.3 | 164.3 |
| 65° | 120.7 | 126.7 | 144.5 | 146.5 | 146.5 |
| 67.5° | 106.9 | 116.8 | 128.7 | 130.6 | 130.6 |
| 70° | 95.0 | 106.9 | 110.8 | 112.8 | 112.8 |
| 72.5° | 81.2 | 93.0 | 95.0 | 97.0 | 97.0 |
| 75° | 67.3 | 79.2 | 79.2 | 81.2 | 81.2 |
| 77.5° | 53.4 | 63.3 | 65.3 | 65.3 | 65.3 |
| 80° | 41.6 | 47.5 | 51.5 | 49.5 | 49.5 |
| 82.5° | 29.7 | 37.6 | 37.6 | 37.6 | 35.6 |
| 85° | 19.8 | 31.7 | 27.7 | 25.7 | 23.8 |
| 87.5° | 11.9 | 27.7 | 15.8 | 13.9 | 13.9 |
| 90° | 4.0 | 11.9 | 9.9 | 2.0 | 2.0 |
| 92.5° | 7.9 | 19.8 | 9.9 | 7.9 | 5.9 |
| 95° | 15.8 | 79.2 | 95.0 | 19.8 | 19.8 |
| 97.5° | 29.7 | 132.6 | 203.9 | 241.5 | 259.3 |
| 100° | 45.5 | 197.9 | 273.2 | 334.5 | 356.3 |
| 102.5° | 65.3 | 239.5 | 336.5 | 413.7 | 445.4 |
| 105° | 87.1 | 281.1 | 425.6 | 490.9 | 530.5 |
| 107.5° | 108.9 | 312.8 | 494.9 | 568.1 | 595.8 |
| 110° | 134.6 | 338.5 | 538.4 | 665.1 | 673.0 |



TEST NUMBER: P275032

CATALOG NUMBER: J3-CL-50L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 158.4 | 358.3 | 562.2 | 712.6 | 756.1 |
| 115° | 180.1 | 380.1 | 597.8 | 740.3 | 785.8 |
| 117.5° | 205.9 | 395.9 | 619.6 | 756.1 | 805.6 |
| 120° | 229.6 | 409.7 | 635.4 | 775.9 | 811.6 |
| 122.5° | 251.4 | 425.6 | 647.3 | 791.8 | 831.4 |
| 125° | 271.2 | 439.4 | 655.2 | 797.7 | 837.3 |
| 127.5° | 291.0 | 451.3 | 657.2 | 799.7 | 841.3 |
| 130° | 312.8 | 463.2 | 661.1 | 797.7 | 839.3 |
| 132.5° | 334.5 | 475.1 | 659.2 | 791.8 | 829.4 |
| 135° | 350.4 | 483.0 | 655.2 | 783.9 | 817.5 |
| 137.5° | 366.2 | 488.9 | 651.2 | 772.0 | 803.7 |
| 140° | 380.1 | 492.9 | 645.3 | 758.1 | 787.8 |
| 142.5° | 395.9 | 494.9 | 641.3 | 744.3 | 770.0 |
| 145° | 409.7 | 494.9 | 635.4 | 728.4 | 752.2 |
| 147.5° | 423.6 | 492.9 | 627.5 | 712.6 | 732.4 |
| 150° | 433.5 | 488.9 | 619.6 | 696.8 | 712.6 |
| 152.5° | 441.4 | 485.0 | 609.7 | 679.0 | 694.8 |
| 155° | 451.3 | 483.0 | 597.8 | 663.1 | 675.0 |
| 157.5° | 459.2 | 483.0 | 583.9 | 645.3 | 657.2 |
| 160° | 467.2 | 483.0 | 568.1 | 627.5 | 637.4 |
| 162.5° | 477.0 | 483.0 | 546.3 | 601.8 | 611.6 |
| 165° | 486.9 | 485.0 | 530.5 | 576.0 | 583.9 |
| 167.5° | 492.9 | 485.0 | 514.7 | 544.3 | 552.3 |
| 170° | 496.8 | 488.9 | 500.8 | 522.6 | 524.6 |
| 172.5° | 498.8 | 492.9 | 490.9 | 500.8 | 500.8 |
| 175° | 498.8 | 492.9 | 490.9 | 490.9 | 486.9 |
| 177.5° | 498.8 | 494.9 | 494.9 | 492.9 | 486.9 |
| 180° | 494.9 | 494.9 | 494.9 | 494.9 | 494.9 |

(END OF REPORT)