

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: P275113

Luminaire Tested: **J3-FL-40L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275113
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-FL-40L92765-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3292.2 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

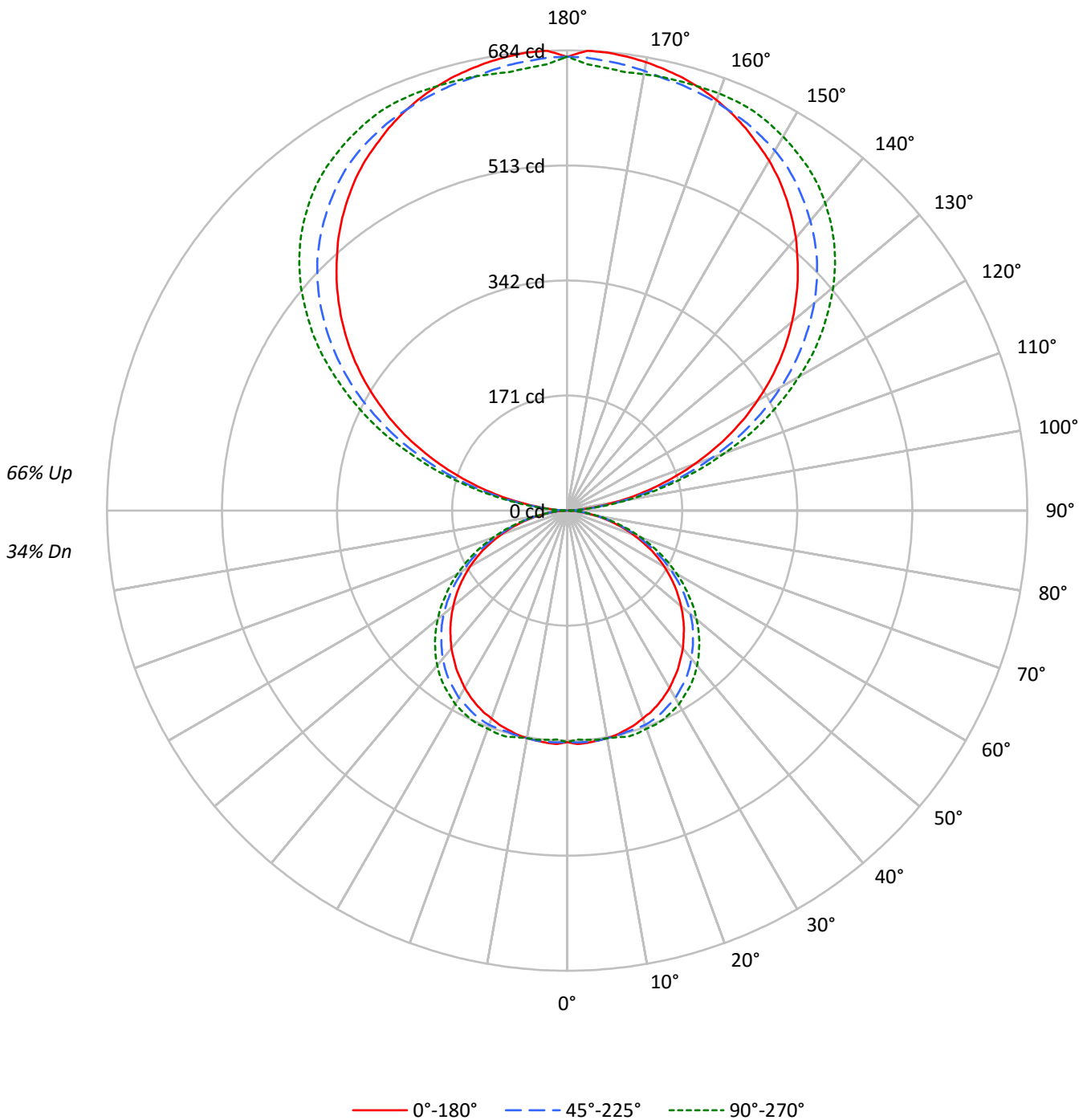
Input Watts (W): 28
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275113

CATALOG NUMBER: J3-FL-40L92765-1D-UNV-W2A-W-4 (3500K)

Luminous Intensity Polar Plot





TEST NUMBER: P275113

CATALOG NUMBER: J3-FL-40L92765-1D-UNV-W2A-W-4 (3500K)

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 | 0 | | | | | | | | | | | | | | | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 74 | 74 | 74 | 57 | 57 | 57 | 41 | 41 | 41 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 94 | 90 | 86 | 82 | 85 | 81 | 78 | 75 | 65 | 62 | 60 | 50 | 48 | 47 | 36 | 35 | 34 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 85 | 78 | 72 | 67 | 77 | 71 | 65 | 61 | 56 | 53 | 50 | 43 | 41 | 39 | 31 | 30 | 29 | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 78 | 68 | 61 | 55 | 70 | 62 | 56 | 51 | 50 | 45 | 41 | 38 | 35 | 33 | 28 | 26 | 24 | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 71 | 60 | 52 | 47 | 64 | 55 | 48 | 43 | 44 | 39 | 35 | 34 | 30 | 28 | 25 | 22 | 21 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 65 | 53 | 45 | 40 | 58 | 48 | 42 | 36 | 39 | 34 | 30 | 30 | 27 | 24 | 22 | 20 | 18 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 60 | 48 | 40 | 34 | 53 | 43 | 36 | 31 | 35 | 30 | 26 | 27 | 23 | 21 | 20 | 17 | 15 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 55 | 43 | 35 | 30 | 49 | 39 | 32 | 27 | 32 | 26 | 23 | 25 | 21 | 18 | 18 | 16 | 14 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 51 | 39 | 31 | 26 | 46 | 35 | 29 | 24 | 29 | 24 | 20 | 22 | 19 | 16 | 16 | 14 | 12 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 47 | 35 | 28 | 23 | 43 | 32 | 26 | 21 | 26 | 21 | 18 | 20 | 17 | 14 | 15 | 13 | 11 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 44 | 32 | 25 | 20 | 40 | 29 | 23 | 19 | 24 | 19 | 16 | 19 | 15 | 13 | 14 | 12 | 10 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2779 | 2779 | 2779 |
| 5° | 2808 | 2796 | 2771 |
| 10° | 2816 | 2816 | 2816 |
| 15° | 2821 | 2847 | 2908 |
| 20° | 2824 | 2913 | 2964 |
| 25° | 2837 | 2956 | 3040 |
| 30° | 2838 | 2996 | 3100 |
| 35° | 2831 | 3021 | 3139 |
| 40° | 2819 | 3028 | 3168 |
| 45° | 2801 | 3020 | 3172 |
| 50° | 2774 | 3007 | 3155 |
| 55° | 2745 | 2964 | 3109 |
| 60° | 2695 | 2887 | 3042 |
| 65° | 2609 | 2777 | 2936 |
| 70° | 2460 | 2618 | 2755 |
| 75° | 2258 | 2399 | 2511 |
| 80° | 1962 | 2097 | 2166 |
| 85° | 1565 | 1630 | 1714 |



TEST NUMBER: P275113

CATALOG NUMBER: J3-FL-40L92765-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 32.8 | 1.0 |
| 10°-20° | 96.6 | 2.9 |
| 20°-30° | 152.1 | 4.6 |
| 30°-40° | 190.1 | 5.8 |
| 40°-50° | 202.6 | 6.2 |
| 50°-60° | 186.8 | 5.7 |
| 60°-70° | 143.5 | 4.4 |
| 70°-80° | 81.3 | 2.5 |
| 80°-90° | 21.4 | 0.7 |
| 90°-100° | 34.5 | 1.0 |
| 100°-110° | 162.4 | 4.9 |
| 110°-120° | 294.4 | 8.9 |
| 120°-130° | 378.2 | 11.5 |
| 130°-140° | 402.3 | 12.2 |
| 140°-150° | 370.2 | 11.2 |
| 150°-160° | 293.1 | 8.9 |
| 160°-170° | 186.1 | 5.7 |
| 170°-180° | 63.8 | 1.9 |
| 0°-30° | 281.5 | 8.6 |
| 0°-40° | 471.6 | 14.3 |
| 0°-60° | 861.1 | 26.2 |
| 0°-90° | 1107.2 | 33.6 |
| 90°-120° | 491.3 | 14.9 |
| 90°-150° | 1641.9 | 49.9 |
| 90°-180° | 2185.0 | 66.4 |
| 0°-180° | 3292.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 344 | 344 | 344 | 344 | 344 | |
| 5° | 346 | 344 | 345 | 344 | 342 | 33 |
| 15° | 338 | 336 | 341 | 346 | 348 | 95 |
| 25° | 318 | 319 | 332 | 338 | 341 | 147 |
| 35° | 287 | 293 | 306 | 314 | 318 | 180 |
| 45° | 245 | 252 | 264 | 273 | 278 | 189 |
| 55° | 195 | 201 | 211 | 217 | 221 | 174 |
| 65° | 137 | 140 | 145 | 151 | 154 | 135 |
| 75° | 72 | 74 | 77 | 80 | 80 | 77 |
| 85° | 17 | 18 | 18 | 18 | 18 | 19 |
| 90° | 1 | 1 | 1 | 0 | 0 | 2 |
| 95° | 23 | 24 | 26 | 27 | 29 | 30 |
| 105° | 136 | 142 | 155 | 165 | 169 | 144 |
| 115° | 266 | 277 | 301 | 319 | 328 | 262 |
| 125° | 384 | 396 | 426 | 450 | 462 | 343 |
| 135° | 485 | 492 | 525 | 548 | 562 | 374 |
| 145° | 568 | 565 | 594 | 612 | 624 | 355 |
| 155° | 627 | 618 | 635 | 648 | 655 | 289 |
| 165° | 666 | 655 | 655 | 658 | 660 | 188 |
| 175° | 683 | 675 | 671 | 666 | 660 | 65 |
| 180° | 675 | 675 | 675 | 675 | 675 | |



TEST NUMBER: P275113

CATALOG NUMBER: J3-FL-40L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 0° | 344.2 | 344.2 | 344.2 | 344.2 | 344.2 |
| 2.5° | 347.3 | 344.2 | 345.0 | 345.0 | 340.6 |
| 5° | 346.5 | 343.5 | 345.0 | 344.2 | 342.0 |
| 7.5° | 345.0 | 342.8 | 345.0 | 345.0 | 343.5 |
| 10° | 343.5 | 341.3 | 343.5 | 344.2 | 343.5 |
| 12.5° | 341.3 | 339.1 | 342.8 | 344.2 | 345.0 |
| 15° | 337.5 | 336.1 | 340.6 | 346.5 | 348.0 |
| 17.5° | 334.0 | 333.2 | 339.9 | 346.5 | 347.3 |
| 20° | 328.7 | 328.7 | 339.1 | 344.2 | 345.0 |
| 22.5° | 324.4 | 324.4 | 336.1 | 341.3 | 344.2 |
| 25° | 318.5 | 319.1 | 331.8 | 338.5 | 341.3 |
| 27.5° | 311.8 | 314.0 | 326.5 | 334.0 | 336.9 |
| 30° | 304.4 | 308.1 | 321.4 | 328.7 | 332.5 |
| 32.5° | 295.6 | 300.6 | 314.0 | 321.4 | 325.1 |
| 35° | 287.3 | 292.6 | 306.5 | 314.0 | 318.5 |
| 37.5° | 277.1 | 283.7 | 297.7 | 305.1 | 310.3 |
| 40° | 267.5 | 274.2 | 287.3 | 295.6 | 300.6 |
| 42.5° | 256.3 | 263.7 | 276.3 | 284.5 | 289.6 |
| 45° | 245.3 | 251.9 | 264.5 | 272.6 | 277.8 |
| 47.5° | 233.5 | 240.2 | 252.8 | 260.2 | 265.1 |
| 50° | 220.9 | 228.2 | 239.4 | 246.7 | 251.2 |
| 52.5° | 208.3 | 215.0 | 225.3 | 232.8 | 237.2 |
| 55° | 195.0 | 200.9 | 210.6 | 217.3 | 220.9 |
| 57.5° | 180.9 | 186.8 | 195.0 | 201.7 | 205.4 |
| 60° | 166.9 | 171.3 | 178.8 | 185.4 | 188.4 |
| 62.5° | 152.1 | 156.0 | 162.5 | 167.8 | 171.3 |
| 65° | 136.6 | 139.7 | 145.4 | 150.7 | 153.7 |
| 67.5° | 120.5 | 123.4 | 128.5 | 133.0 | 135.2 |
| 70° | 104.2 | 107.1 | 110.9 | 114.4 | 116.7 |
| 72.5° | 88.6 | 90.1 | 93.8 | 96.8 | 98.3 |
| 75° | 72.4 | 73.8 | 76.9 | 79.8 | 80.5 |
| 77.5° | 57.7 | 58.3 | 60.7 | 62.1 | 62.8 |
| 80° | 42.2 | 43.6 | 45.1 | 45.7 | 46.6 |
| 82.5° | 28.8 | 29.6 | 30.2 | 31.0 | 31.7 |
| 85° | 16.9 | 17.6 | 17.6 | 18.5 | 18.5 |
| 87.5° | 7.4 | 8.1 | 8.1 | 8.1 | 8.1 |
| 90° | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 |
| 92.5° | 7.4 | 7.4 | 8.1 | 8.8 | 9.6 |
| 95° | 22.9 | 23.7 | 25.9 | 27.3 | 28.8 |
| 97.5° | 45.7 | 47.3 | 51.6 | 55.4 | 56.9 |
| 100° | 73.8 | 76.9 | 83.6 | 88.6 | 90.9 |
| 102.5° | 104.2 | 108.5 | 118.3 | 125.6 | 129.3 |
| 105° | 136.0 | 141.9 | 155.2 | 164.8 | 169.2 |
| 107.5° | 168.4 | 175.9 | 192.9 | 203.9 | 209.8 |
| 110° | 200.9 | 210.6 | 229.0 | 243.7 | 248.2 |



TEST NUMBER: P275113

CATALOG NUMBER: J3-FL-40L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 233.5 | 243.7 | 265.9 | 282.2 | 290.4 |
| 115° | 265.9 | 277.1 | 300.6 | 319.1 | 328.1 |
| 117.5° | 297.1 | 308.8 | 334.6 | 355.4 | 363.4 |
| 120° | 326.5 | 339.1 | 367.2 | 388.6 | 398.2 |
| 122.5° | 356.1 | 368.0 | 397.5 | 420.3 | 432.3 |
| 125° | 384.2 | 396.0 | 426.4 | 449.9 | 462.5 |
| 127.5° | 410.9 | 421.8 | 453.7 | 478.0 | 489.8 |
| 130° | 436.6 | 447.0 | 479.4 | 503.2 | 516.5 |
| 132.5° | 461.0 | 470.6 | 503.2 | 526.1 | 540.1 |
| 135° | 484.7 | 492.1 | 525.3 | 548.2 | 561.6 |
| 137.5° | 506.8 | 512.0 | 544.6 | 567.5 | 580.1 |
| 140° | 529.0 | 530.5 | 562.2 | 583.6 | 596.9 |
| 142.5° | 548.9 | 548.2 | 578.5 | 599.1 | 611.7 |
| 145° | 567.5 | 565.2 | 594.0 | 612.4 | 623.6 |
| 147.5° | 585.1 | 580.1 | 607.3 | 622.9 | 633.2 |
| 150° | 600.6 | 594.0 | 617.7 | 633.2 | 642.0 |
| 152.5° | 613.8 | 606.5 | 626.5 | 640.5 | 649.3 |
| 155° | 627.3 | 618.4 | 634.6 | 647.9 | 655.4 |
| 157.5° | 639.1 | 627.9 | 640.5 | 652.3 | 658.4 |
| 160° | 649.3 | 638.4 | 646.4 | 655.4 | 659.8 |
| 162.5° | 658.4 | 647.2 | 650.9 | 656.0 | 659.8 |
| 165° | 665.7 | 655.4 | 655.4 | 657.5 | 659.8 |
| 167.5° | 671.5 | 662.7 | 658.4 | 659.0 | 659.8 |
| 170° | 676.8 | 667.9 | 663.4 | 659.0 | 658.4 |
| 172.5° | 680.5 | 671.5 | 667.9 | 661.9 | 657.5 |
| 175° | 683.4 | 675.3 | 670.7 | 665.7 | 660.5 |
| 177.5° | 684.1 | 677.4 | 673.8 | 668.6 | 664.2 |
| 180° | 674.6 | 674.6 | 674.6 | 674.6 | 674.6 |

(END OF REPORT)