

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: P275231

Luminaire Tested: **J3-UL-60L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-60L82765-1D-UNV-W2A-W-4 (2700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5541.0 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

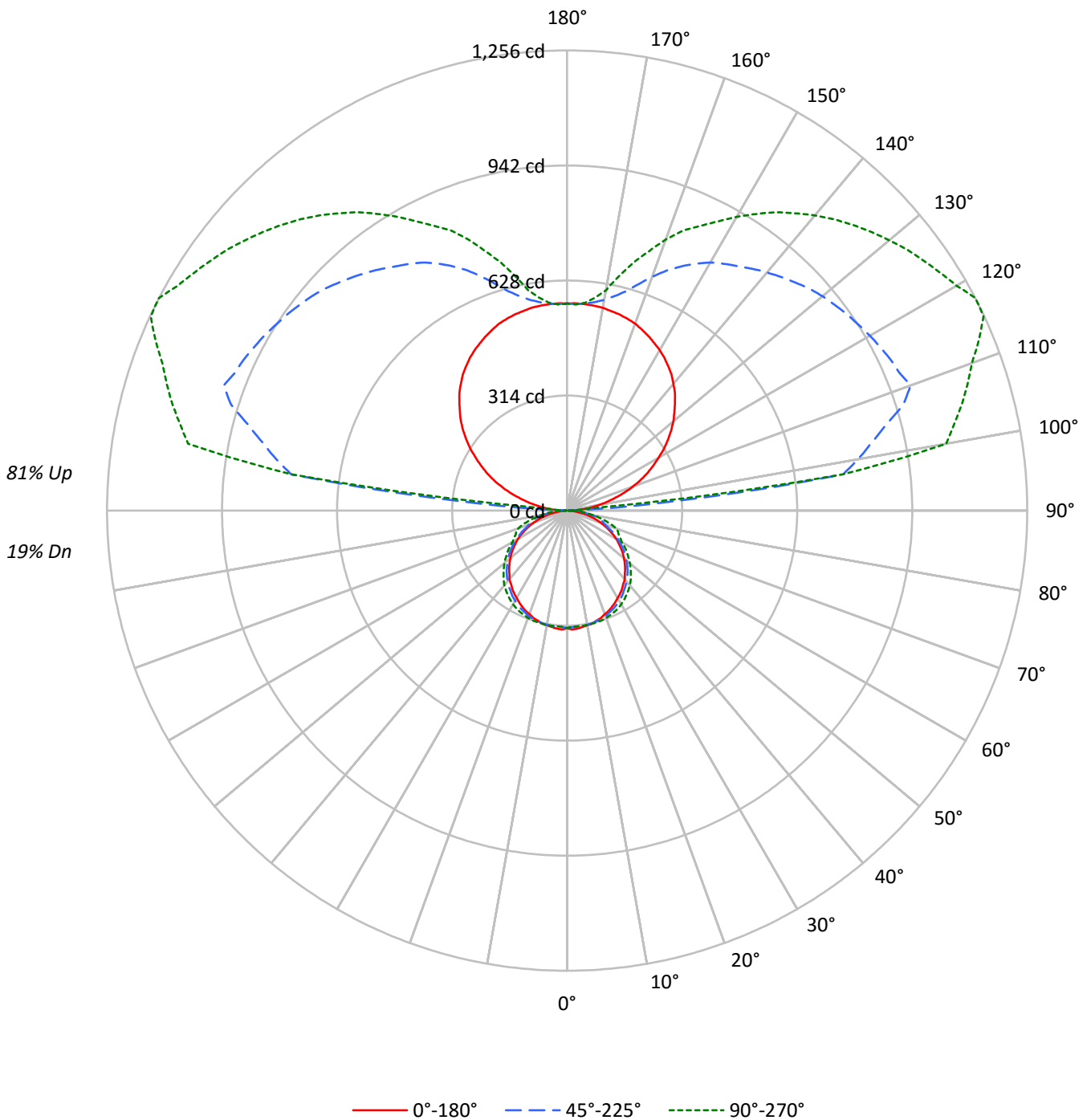
Input Watts (W): 44.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P275231

CATALOG NUMBER: J3-UL-60L82765-1D-UNV-W2A-W-4 (2700K)

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 | 100 | 100 | 100 | 100 | 88 | 88 | 88 | 88 | 66 | 66 | 66 | 46 | 46 | 46 | 27 | 27 | 27 | 19 | | | | |
| 1 | 91 | 86 | 82 | 79 | 80 | 76 | 73 | 70 | 57 | 55 | 53 | 40 | 39 | 37 | 24 | 23 | 23 | 15 | | | | |
| 2 | 82 | 75 | 69 | 64 | 72 | 66 | 61 | 57 | 50 | 47 | 44 | 35 | 33 | 31 | 21 | 20 | 19 | 13 | | | | |
| 3 | 75 | 66 | 59 | 53 | 66 | 58 | 52 | 47 | 44 | 40 | 37 | 31 | 28 | 26 | 18 | 17 | 16 | 10 | | | | |
| 4 | 68 | 58 | 50 | 45 | 60 | 51 | 45 | 40 | 39 | 34 | 31 | 27 | 24 | 22 | 16 | 15 | 13 | 9 | | | | |
| 5 | 62 | 51 | 44 | 38 | 55 | 45 | 39 | 34 | 34 | 30 | 26 | 24 | 21 | 19 | 14 | 13 | 12 | 8 | | | | |
| 6 | 57 | 46 | 38 | 32 | 50 | 41 | 34 | 29 | 31 | 26 | 23 | 22 | 19 | 16 | 13 | 11 | 10 | 7 | | | | |
| 7 | 53 | 41 | 33 | 28 | 46 | 36 | 30 | 25 | 28 | 23 | 20 | 20 | 16 | 14 | 12 | 10 | 9 | 6 | | | | |
| 8 | 49 | 37 | 30 | 25 | 43 | 33 | 27 | 22 | 25 | 21 | 17 | 18 | 15 | 13 | 11 | 9 | 8 | 5 | | | | |
| 9 | 45 | 34 | 26 | 22 | 40 | 30 | 24 | 19 | 23 | 18 | 15 | 16 | 13 | 11 | 10 | 8 | 7 | 5 | | | | |
| 10 | 42 | 31 | 24 | 19 | 37 | 27 | 21 | 17 | 21 | 17 | 14 | 15 | 12 | 10 | 9 | 7 | 6 | 4 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2589 | 2589 | 2589 |
| 5° | 2617 | 2581 | 2572 |
| 10° | 2602 | 2593 | 2602 |
| 15° | 2597 | 2607 | 2634 |
| 20° | 2584 | 2631 | 2680 |
| 25° | 2581 | 2640 | 2719 |
| 30° | 2567 | 2649 | 2753 |
| 35° | 2572 | 2648 | 2779 |
| 40° | 2576 | 2657 | 2809 |
| 45° | 2551 | 2664 | 2803 |
| 50° | 2542 | 2653 | 2806 |
| 55° | 2521 | 2646 | 2802 |
| 60° | 2499 | 2608 | 2785 |
| 65° | 2409 | 2577 | 2957 |
| 70° | 2323 | 2585 | 3340 |
| 75° | 2140 | 2966 | 3381 |
| 80° | 1850 | 3031 | 3292 |
| 85° | 1436 | 3381 | 3788 |



TEST NUMBER: P275231

CATALOG NUMBER: J3-UL-60L82765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 30.4 | 0.5 |
| 10°-20° | 88.6 | 1.6 |
| 20°-30° | 137.2 | 2.5 |
| 30°-40° | 169.3 | 3.1 |
| 40°-50° | 180.4 | 3.3 |
| 50°-60° | 168.3 | 3.0 |
| 60°-70° | 137.2 | 2.5 |
| 70°-80° | 94.8 | 1.7 |
| 80°-90° | 37.0 | 0.7 |
| 90°-100° | 331.1 | 6.0 |
| 100°-110° | 836.4 | 15.1 |
| 110°-120° | 865.4 | 15.6 |
| 120°-130° | 770.7 | 13.9 |
| 130°-140° | 642.1 | 11.6 |
| 140°-150° | 489.3 | 8.8 |
| 150°-160° | 329.3 | 5.9 |
| 160°-170° | 178.5 | 3.2 |
| 170°-180° | 54.8 | 1.0 |
| 0°-30° | 256.2 | 4.6 |
| 0°-40° | 425.6 | 7.7 |
| 0°-60° | 774.3 | 14.0 |
| 0°-90° | 1043.3 | 18.8 |
| 90°-120° | 2032.9 | 36.7 |
| 90°-150° | 3935.1 | 71.0 |
| 90°-180° | 4498.0 | 81.2 |
| 0°-180° | 5541.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|------|------|
| 0° | 321 | 321 | 321 | 321 | 321 | |
| 5° | 323 | 321 | 318 | 320 | 317 | 31 |
| 15° | 311 | 312 | 312 | 315 | 315 | 88 |
| 25° | 290 | 293 | 296 | 303 | 305 | 134 |
| 35° | 261 | 263 | 269 | 279 | 282 | 163 |
| 45° | 223 | 227 | 233 | 241 | 246 | 173 |
| 55° | 179 | 182 | 188 | 194 | 199 | 160 |
| 65° | 126 | 129 | 135 | 147 | 155 | 125 |
| 75° | 69 | 73 | 95 | 107 | 108 | 73 |
| 85° | 16 | 29 | 36 | 41 | 41 | 18 |
| 90° | 2 | 3 | 3 | 2 | 2 | 5 |
| 95° | 46 | 363 | 284 | 45 | 44 | 46 |
| 105° | 137 | 577 | 900 | 1064 | 1115 | 146 |
| 115° | 241 | 596 | 974 | 1211 | 1254 | 238 |
| 125° | 335 | 610 | 933 | 1131 | 1189 | 299 |
| 135° | 416 | 628 | 880 | 1050 | 1102 | 321 |
| 145° | 481 | 617 | 814 | 946 | 994 | 301 |
| 155° | 525 | 586 | 735 | 828 | 857 | 242 |
| 165° | 554 | 570 | 619 | 680 | 701 | 157 |
| 175° | 565 | 566 | 567 | 573 | 570 | 54 |
| 180° | 565 | 565 | 565 | 565 | 565 | |



TEST NUMBER: P275231

CATALOG NUMBER: J3-UL-60L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|--------|--------|
| 0° | 320.7 | 320.7 | 320.7 | 320.7 | 320.7 |
| 2.5° | 325.1 | 320.7 | 318.5 | 319.6 | 317.4 |
| 5° | 322.9 | 320.7 | 318.5 | 319.6 | 317.4 |
| 7.5° | 320.7 | 319.6 | 317.4 | 319.6 | 317.4 |
| 10° | 317.4 | 317.4 | 316.3 | 318.5 | 317.4 |
| 12.5° | 316.3 | 315.2 | 315.2 | 317.4 | 316.3 |
| 15° | 310.7 | 311.9 | 311.9 | 315.2 | 315.2 |
| 17.5° | 307.4 | 308.5 | 309.6 | 314.1 | 314.1 |
| 20° | 300.8 | 304.1 | 306.3 | 311.9 | 311.9 |
| 22.5° | 296.4 | 298.6 | 300.8 | 307.4 | 308.5 |
| 25° | 289.7 | 293.1 | 296.4 | 303.0 | 305.2 |
| 27.5° | 283.1 | 286.4 | 290.8 | 298.6 | 300.8 |
| 30° | 275.4 | 279.8 | 284.2 | 291.9 | 295.3 |
| 32.5° | 268.7 | 272.0 | 277.6 | 286.4 | 288.6 |
| 35° | 261.0 | 263.2 | 268.7 | 278.7 | 282.0 |
| 37.5° | 252.1 | 254.3 | 261.0 | 269.8 | 274.3 |
| 40° | 244.4 | 246.6 | 252.1 | 261.0 | 266.5 |
| 42.5° | 233.3 | 236.7 | 243.3 | 251.0 | 256.6 |
| 45° | 223.4 | 226.7 | 233.3 | 241.1 | 245.5 |
| 47.5° | 213.4 | 216.7 | 222.3 | 230.0 | 234.4 |
| 50° | 202.4 | 205.7 | 211.2 | 219.0 | 223.4 |
| 52.5° | 191.3 | 194.6 | 200.2 | 206.8 | 211.2 |
| 55° | 179.1 | 182.5 | 188.0 | 193.5 | 199.1 |
| 57.5° | 167.0 | 170.3 | 174.7 | 181.4 | 186.9 |
| 60° | 154.8 | 157.0 | 161.5 | 169.2 | 172.5 |
| 62.5° | 141.5 | 143.8 | 148.2 | 155.9 | 163.7 |
| 65° | 126.1 | 129.4 | 134.9 | 147.1 | 154.8 |
| 67.5° | 112.8 | 115.0 | 120.5 | 138.2 | 150.4 |
| 70° | 98.4 | 101.7 | 109.5 | 134.9 | 141.5 |
| 72.5° | 84.0 | 87.4 | 101.7 | 123.9 | 127.2 |
| 75° | 68.6 | 73.0 | 95.1 | 107.3 | 108.4 |
| 77.5° | 54.2 | 59.7 | 81.8 | 88.5 | 89.6 |
| 80° | 39.8 | 49.8 | 65.2 | 69.7 | 70.8 |
| 82.5° | 26.5 | 42.0 | 48.7 | 54.2 | 54.2 |
| 85° | 15.5 | 28.8 | 36.5 | 40.9 | 40.9 |
| 87.5° | 8.8 | 18.8 | 27.6 | 32.1 | 31.0 |
| 90° | 2.2 | 3.3 | 3.3 | 2.2 | 2.2 |
| 92.5° | 25.4 | 80.7 | 22.1 | 21.0 | 21.0 |
| 95° | 46.4 | 362.7 | 284.2 | 45.3 | 44.2 |
| 97.5° | 66.4 | 440.1 | 759.7 | 919.0 | 758.6 |
| 100° | 88.5 | 531.9 | 806.2 | 996.4 | 1050.6 |
| 102.5° | 112.8 | 564.0 | 850.4 | 1024.0 | 1081.5 |
| 105° | 137.1 | 577.3 | 900.2 | 1063.8 | 1114.7 |
| 107.5° | 163.7 | 586.1 | 962.1 | 1095.9 | 1145.7 |
| 110° | 190.2 | 590.5 | 997.5 | 1135.7 | 1175.5 |



TEST NUMBER: P275231

CATALOG NUMBER: J3-UL-60L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|--------|--------|
| 112.5° | 215.6 | 593.8 | 982.0 | 1181.1 | 1216.4 |
| 115° | 241.1 | 596.1 | 974.3 | 1210.9 | 1254.0 |
| 117.5° | 264.3 | 599.4 | 964.3 | 1183.3 | 1256.3 |
| 120° | 287.5 | 602.7 | 954.4 | 1164.5 | 1227.5 |
| 122.5° | 313.0 | 607.1 | 943.3 | 1149.0 | 1207.6 |
| 125° | 335.1 | 610.4 | 933.3 | 1131.3 | 1188.8 |
| 127.5° | 357.2 | 613.8 | 921.2 | 1112.5 | 1170.0 |
| 130° | 378.2 | 621.5 | 910.1 | 1093.7 | 1147.9 |
| 132.5° | 397.0 | 625.9 | 896.9 | 1072.7 | 1125.8 |
| 135° | 415.8 | 628.1 | 880.3 | 1049.5 | 1102.5 |
| 137.5° | 435.7 | 627.0 | 864.8 | 1027.3 | 1078.2 |
| 140° | 451.2 | 625.9 | 848.2 | 1000.8 | 1051.7 |
| 142.5° | 467.8 | 622.6 | 831.6 | 974.3 | 1022.9 |
| 145° | 481.0 | 617.1 | 813.9 | 945.5 | 994.2 |
| 147.5° | 494.3 | 610.4 | 798.4 | 915.7 | 959.9 |
| 150° | 505.4 | 600.5 | 781.8 | 883.6 | 925.6 |
| 152.5° | 515.3 | 592.7 | 759.7 | 854.8 | 889.1 |
| 155° | 525.3 | 586.1 | 735.4 | 828.3 | 857.0 |
| 157.5° | 534.1 | 581.7 | 708.9 | 796.2 | 827.2 |
| 160° | 543.0 | 576.2 | 679.0 | 761.9 | 787.4 |
| 162.5° | 548.5 | 572.8 | 648.0 | 721.0 | 742.0 |
| 165° | 554.0 | 569.5 | 619.3 | 680.1 | 701.1 |
| 167.5° | 557.4 | 567.3 | 599.4 | 637.0 | 655.8 |
| 170° | 561.8 | 566.2 | 583.9 | 606.0 | 610.4 |
| 172.5° | 564.0 | 566.2 | 573.9 | 585.0 | 586.1 |
| 175° | 565.1 | 566.2 | 567.3 | 572.8 | 569.5 |
| 177.5° | 566.2 | 567.3 | 564.0 | 567.3 | 562.9 |
| 180° | 565.1 | 565.1 | 565.1 | 565.1 | 565.1 |

(END OF REPORT)