

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: P275239

Luminaire Tested: **J3-UL-60L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275239
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-60L92765-1D-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, 90 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4732.2 lumens
Efficiency: N/A
Efficacy: 107.5 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

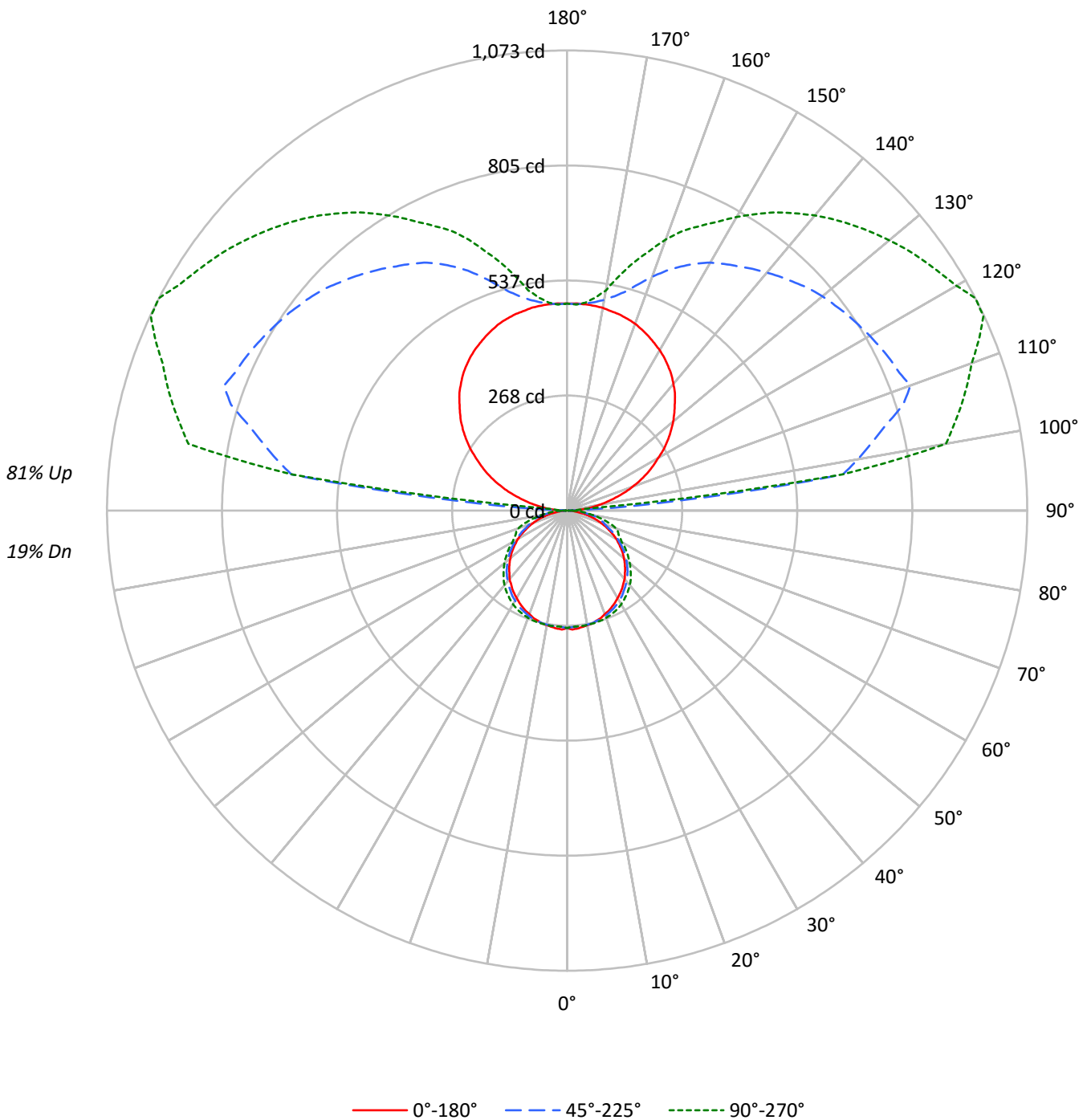
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275239

CATALOG NUMBER: J3-UL-60L92765-1D-UNV-W2A-W-4 (2700K)

Luminous Intensity Polar Plot





TEST NUMBER: P275239

CATALOG NUMBER: J3-UL-60L92765-1D-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 | 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° | 2211 | 2211 | 2211 |
| 5° | 2235 | 2204 | 2197 |
| 10° | 2222 | 2214 | 2222 |
| 15° | 2218 | 2226 | 2250 |
| 20° | 2207 | 2247 | 2288 |
| 25° | 2204 | 2254 | 2322 |
| 30° | 2192 | 2262 | 2351 |
| 35° | 2197 | 2262 | 2373 |
| 40° | 2199 | 2269 | 2399 |
| 45° | 2178 | 2275 | 2394 |
| 50° | 2170 | 2266 | 2396 |
| 55° | 2153 | 2260 | 2393 |
| 60° | 2134 | 2227 | 2378 |
| 65° | 2057 | 2201 | 2525 |
| 70° | 1985 | 2207 | 2854 |
| 75° | 1828 | 2533 | 2888 |
| 80° | 1581 | 2590 | 2808 |
| 85° | 1223 | 2890 | 3233 |



TEST NUMBER: P275239

CATALOG NUMBER: J3-UL-60L92765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 26.0 | 0.5 |
| 10°-20° | 75.6 | 1.6 |
| 20°-30° | 117.2 | 2.5 |
| 30°-40° | 144.6 | 3.1 |
| 40°-50° | 154.1 | 3.3 |
| 50°-60° | 143.7 | 3.0 |
| 60°-70° | 117.2 | 2.5 |
| 70°-80° | 81.0 | 1.7 |
| 80°-90° | 31.6 | 0.7 |
| 90°-100° | 282.8 | 6.0 |
| 100°-110° | 714.3 | 15.1 |
| 110°-120° | 739.1 | 15.6 |
| 120°-130° | 658.2 | 13.9 |
| 130°-140° | 548.4 | 11.6 |
| 140°-150° | 417.9 | 8.8 |
| 150°-160° | 281.3 | 5.9 |
| 160°-170° | 152.5 | 3.2 |
| 170°-180° | 46.8 | 1.0 |
| 0°-30° | 218.8 | 4.6 |
| 0°-40° | 363.4 | 7.7 |
| 0°-60° | 661.3 | 14.0 |
| 0°-90° | 891.0 | 18.8 |
| 90°-120° | 1736.2 | 36.7 |
| 90°-150° | 3360.7 | 71.0 |
| 90°-180° | 3841.0 | 81.2 |
| 0°-180° | 4732.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|------|------|
| 0° | 274 | 274 | 274 | 274 | 274 | |
| 5° | 276 | 274 | 272 | 273 | 271 | 26 |
| 15° | 265 | 266 | 266 | 269 | 269 | 75 |
| 25° | 247 | 250 | 253 | 259 | 261 | 114 |
| 35° | 223 | 225 | 230 | 238 | 241 | 139 |
| 45° | 191 | 194 | 199 | 206 | 210 | 147 |
| 55° | 153 | 156 | 161 | 165 | 170 | 137 |
| 65° | 108 | 110 | 115 | 126 | 132 | 107 |
| 75° | 59 | 62 | 81 | 92 | 93 | 62 |
| 85° | 13 | 25 | 31 | 35 | 35 | 15 |
| 90° | 2 | 3 | 3 | 2 | 2 | 5 |
| 95° | 40 | 310 | 243 | 39 | 38 | 39 |
| 105° | 117 | 493 | 769 | 908 | 952 | 125 |
| 115° | 206 | 509 | 832 | 1034 | 1071 | 203 |
| 125° | 286 | 521 | 797 | 966 | 1015 | 256 |
| 135° | 355 | 536 | 752 | 896 | 942 | 274 |
| 145° | 411 | 527 | 695 | 808 | 849 | 257 |
| 155° | 449 | 501 | 628 | 707 | 732 | 207 |
| 165° | 473 | 486 | 529 | 581 | 599 | 134 |
| 175° | 483 | 484 | 484 | 489 | 486 | 46 |
| 180° | 483 | 483 | 483 | 483 | 483 | |



TEST NUMBER: P275239

CATALOG NUMBER: J3-UL-60L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|--------|
| 0° | 273.9 | 273.9 | 273.9 | 273.9 | 273.9 |
| 2.5° | 277.7 | 273.9 | 272.0 | 272.9 | 271.1 |
| 5° | 275.8 | 273.9 | 272.0 | 272.9 | 271.1 |
| 7.5° | 273.9 | 272.9 | 271.1 | 272.9 | 271.1 |
| 10° | 271.1 | 271.1 | 270.1 | 272.0 | 271.1 |
| 12.5° | 270.1 | 269.2 | 269.2 | 271.1 | 270.1 |
| 15° | 265.4 | 266.3 | 266.3 | 269.2 | 269.2 |
| 17.5° | 262.6 | 263.5 | 264.4 | 268.2 | 268.2 |
| 20° | 256.9 | 259.7 | 261.6 | 266.3 | 266.3 |
| 22.5° | 253.1 | 255.0 | 256.9 | 262.6 | 263.5 |
| 25° | 247.4 | 250.3 | 253.1 | 258.8 | 260.7 |
| 27.5° | 241.8 | 244.6 | 248.4 | 255.0 | 256.9 |
| 30° | 235.2 | 238.9 | 242.7 | 249.3 | 252.2 |
| 32.5° | 229.5 | 232.3 | 237.1 | 244.6 | 246.5 |
| 35° | 222.9 | 224.8 | 229.5 | 238.0 | 240.8 |
| 37.5° | 215.3 | 217.2 | 222.9 | 230.4 | 234.2 |
| 40° | 208.7 | 210.6 | 215.3 | 222.9 | 227.6 |
| 42.5° | 199.3 | 202.1 | 207.8 | 214.4 | 219.1 |
| 45° | 190.8 | 193.6 | 199.3 | 205.9 | 209.7 |
| 47.5° | 182.3 | 185.1 | 189.8 | 196.4 | 200.2 |
| 50° | 172.8 | 175.7 | 180.4 | 187.0 | 190.8 |
| 52.5° | 163.4 | 166.2 | 170.9 | 176.6 | 180.4 |
| 55° | 153.0 | 155.8 | 160.6 | 165.3 | 170.0 |
| 57.5° | 142.6 | 145.4 | 149.2 | 154.9 | 159.6 |
| 60° | 132.2 | 134.1 | 137.9 | 144.5 | 147.3 |
| 62.5° | 120.9 | 122.8 | 126.6 | 133.2 | 139.8 |
| 65° | 107.7 | 110.5 | 115.2 | 125.6 | 132.2 |
| 67.5° | 96.3 | 98.2 | 102.9 | 118.1 | 128.4 |
| 70° | 84.1 | 86.9 | 93.5 | 115.2 | 120.9 |
| 72.5° | 71.8 | 74.6 | 86.9 | 105.8 | 108.6 |
| 75° | 58.6 | 62.3 | 81.2 | 91.6 | 92.6 |
| 77.5° | 46.3 | 51.0 | 69.9 | 75.6 | 76.5 |
| 80° | 34.0 | 42.5 | 55.7 | 59.5 | 60.4 |
| 82.5° | 22.7 | 35.9 | 41.6 | 46.3 | 46.3 |
| 85° | 13.2 | 24.6 | 31.2 | 34.9 | 34.9 |
| 87.5° | 7.6 | 16.1 | 23.6 | 27.4 | 26.4 |
| 90° | 1.9 | 2.8 | 2.8 | 1.9 | 1.9 |
| 92.5° | 21.7 | 68.9 | 18.9 | 17.9 | 17.9 |
| 95° | 39.7 | 309.8 | 242.7 | 38.7 | 37.8 |
| 97.5° | 56.7 | 375.9 | 648.8 | 784.8 | 647.9 |
| 100° | 75.6 | 454.3 | 688.5 | 850.9 | 897.2 |
| 102.5° | 96.3 | 481.7 | 726.3 | 874.5 | 923.7 |
| 105° | 117.1 | 493.0 | 768.8 | 908.5 | 952.0 |
| 107.5° | 139.8 | 500.6 | 821.7 | 935.9 | 978.4 |
| 110° | 162.4 | 504.3 | 851.9 | 969.9 | 1003.9 |



TEST NUMBER: P275239

CATALOG NUMBER: J3-UL-60L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|--------|--------|
| 112.5° | 184.2 | 507.2 | 838.7 | 1008.7 | 1038.9 |
| 115° | 205.9 | 509.1 | 832.0 | 1034.2 | 1071.0 |
| 117.5° | 225.7 | 511.9 | 823.5 | 1010.5 | 1072.9 |
| 120° | 245.6 | 514.7 | 815.0 | 994.5 | 1048.3 |
| 122.5° | 267.3 | 518.5 | 805.6 | 981.3 | 1031.3 |
| 125° | 286.2 | 521.3 | 797.1 | 966.2 | 1015.3 |
| 127.5° | 305.1 | 524.2 | 786.7 | 950.1 | 999.2 |
| 130° | 323.0 | 530.8 | 777.3 | 934.0 | 980.3 |
| 132.5° | 339.1 | 534.6 | 765.9 | 916.1 | 961.4 |
| 135° | 355.1 | 536.4 | 751.8 | 896.3 | 941.6 |
| 137.5° | 372.1 | 535.5 | 738.5 | 877.4 | 920.8 |
| 140° | 385.3 | 534.6 | 724.4 | 854.7 | 898.2 |
| 142.5° | 399.5 | 531.7 | 710.2 | 832.0 | 873.6 |
| 145° | 410.8 | 527.0 | 695.1 | 807.5 | 849.0 |
| 147.5° | 422.2 | 521.3 | 681.9 | 782.0 | 819.8 |
| 150° | 431.6 | 512.8 | 667.7 | 754.6 | 790.5 |
| 152.5° | 440.1 | 506.2 | 648.8 | 730.0 | 759.3 |
| 155° | 448.6 | 500.6 | 628.0 | 707.4 | 731.9 |
| 157.5° | 456.2 | 496.8 | 605.4 | 680.0 | 706.4 |
| 160° | 463.7 | 492.1 | 579.9 | 650.7 | 672.4 |
| 162.5° | 468.4 | 489.2 | 553.4 | 615.8 | 633.7 |
| 165° | 473.2 | 486.4 | 528.9 | 580.8 | 598.8 |
| 167.5° | 476.0 | 484.5 | 511.9 | 544.0 | 560.1 |
| 170° | 479.8 | 483.6 | 498.7 | 517.6 | 521.3 |
| 172.5° | 481.7 | 483.6 | 490.2 | 499.6 | 500.6 |
| 175° | 482.6 | 483.6 | 484.5 | 489.2 | 486.4 |
| 177.5° | 483.6 | 484.5 | 481.7 | 484.5 | 480.7 |
| 180° | 482.6 | 482.6 | 482.6 | 482.6 | 482.6 |

(END OF REPORT)