

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: P275240

Luminaire Tested: **J3-UL-60L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275240
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 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4919.3 lumens
Efficiency: N/A
Efficacy: 112.6 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

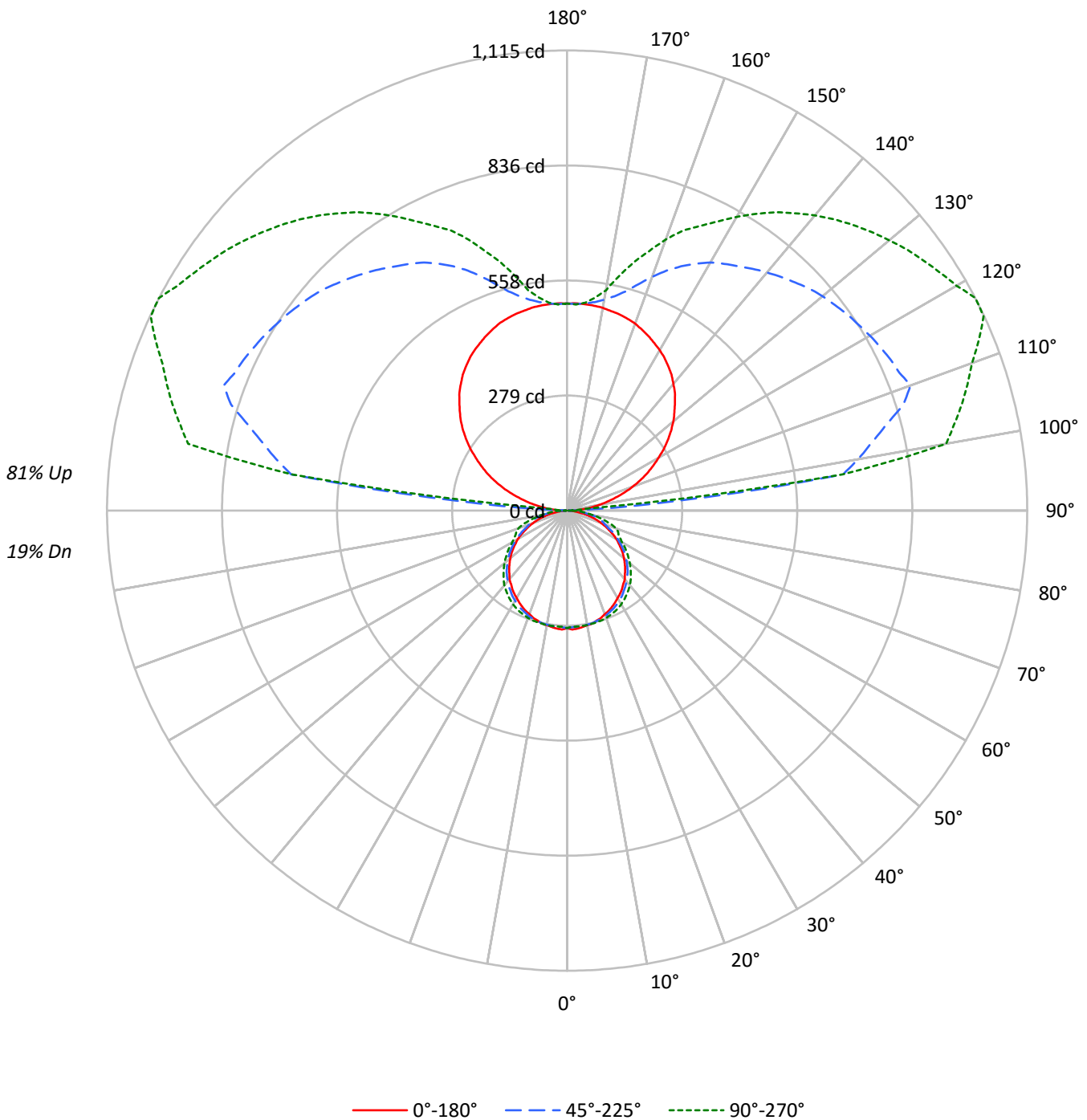
Input Watts (W): 43.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: J3-UL-60L92765-1D-UNV-W2A-W-4 (3000K)

Luminous Intensity Polar Plot





TEST NUMBER: P275240

CATALOG NUMBER: J3-UL-60L92765-1D-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 | 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° | 2298 | 2298 | 2298 |
| 5° | 2323 | 2292 | 2284 |
| 10° | 2310 | 2302 | 2310 |
| 15° | 2306 | 2314 | 2338 |
| 20° | 2294 | 2337 | 2379 |
| 25° | 2291 | 2344 | 2414 |
| 30° | 2279 | 2352 | 2443 |
| 35° | 2283 | 2351 | 2468 |
| 40° | 2287 | 2359 | 2493 |
| 45° | 2264 | 2366 | 2489 |
| 50° | 2257 | 2355 | 2491 |
| 55° | 2238 | 2349 | 2487 |
| 60° | 2218 | 2314 | 2474 |
| 65° | 2138 | 2288 | 2625 |
| 70° | 2063 | 2294 | 2967 |
| 75° | 1900 | 2633 | 3001 |
| 80° | 1641 | 2692 | 2920 |
| 85° | 1269 | 3001 | 3362 |



TEST NUMBER: P275240

CATALOG NUMBER: J3-UL-60L92765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 27.0 | 0.5 |
| 10°-20° | 78.6 | 1.6 |
| 20°-30° | 121.8 | 2.5 |
| 30°-40° | 150.4 | 3.1 |
| 40°-50° | 160.2 | 3.3 |
| 50°-60° | 149.4 | 3.0 |
| 60°-70° | 121.8 | 2.5 |
| 70°-80° | 84.2 | 1.7 |
| 80°-90° | 32.8 | 0.7 |
| 90°-100° | 294.0 | 6.0 |
| 100°-110° | 742.5 | 15.1 |
| 110°-120° | 768.3 | 15.6 |
| 120°-130° | 684.2 | 13.9 |
| 130°-140° | 570.1 | 11.6 |
| 140°-150° | 434.4 | 8.8 |
| 150°-160° | 292.4 | 5.9 |
| 160°-170° | 158.5 | 3.2 |
| 170°-180° | 48.7 | 1.0 |
| 0°-30° | 227.5 | 4.6 |
| 0°-40° | 377.8 | 7.7 |
| 0°-60° | 687.4 | 14.0 |
| 0°-90° | 926.2 | 18.8 |
| 90°-120° | 1804.8 | 36.7 |
| 90°-150° | 3493.5 | 71.0 |
| 90°-180° | 3993.0 | 81.2 |
| 0°-180° | 4919.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|------|------|
| 0° | 285 | 285 | 285 | 285 | 285 | |
| 5° | 287 | 285 | 283 | 284 | 282 | 27 |
| 15° | 276 | 277 | 277 | 280 | 280 | 78 |
| 25° | 257 | 260 | 263 | 269 | 271 | 119 |
| 35° | 232 | 234 | 239 | 247 | 250 | 145 |
| 45° | 198 | 201 | 207 | 214 | 218 | 153 |
| 55° | 159 | 162 | 167 | 172 | 177 | 142 |
| 65° | 112 | 115 | 120 | 131 | 137 | 111 |
| 75° | 61 | 65 | 84 | 95 | 96 | 65 |
| 85° | 14 | 26 | 32 | 36 | 36 | 16 |
| 90° | 2 | 3 | 3 | 2 | 2 | 5 |
| 95° | 41 | 322 | 252 | 40 | 39 | 41 |
| 105° | 122 | 512 | 799 | 944 | 990 | 129 |
| 115° | 214 | 529 | 865 | 1075 | 1113 | 211 |
| 125° | 298 | 542 | 829 | 1004 | 1055 | 266 |
| 135° | 369 | 558 | 782 | 932 | 979 | 285 |
| 145° | 427 | 548 | 723 | 839 | 883 | 267 |
| 155° | 466 | 520 | 653 | 735 | 761 | 215 |
| 165° | 492 | 506 | 550 | 604 | 622 | 139 |
| 175° | 502 | 503 | 504 | 509 | 506 | 48 |
| 180° | 502 | 502 | 502 | 502 | 502 | |



TEST NUMBER: P275240

CATALOG NUMBER: J3-UL-60L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|--------|--------|
| 0° | 284.7 | 284.7 | 284.7 | 284.7 | 284.7 |
| 2.5° | 288.6 | 284.7 | 282.8 | 283.7 | 281.8 |
| 5° | 286.7 | 284.7 | 282.8 | 283.7 | 281.8 |
| 7.5° | 284.7 | 283.7 | 281.8 | 283.7 | 281.8 |
| 10° | 281.8 | 281.8 | 280.8 | 282.8 | 281.8 |
| 12.5° | 280.8 | 279.8 | 279.8 | 281.8 | 280.8 |
| 15° | 275.9 | 276.9 | 276.9 | 279.8 | 279.8 |
| 17.5° | 272.9 | 273.9 | 274.9 | 278.8 | 278.8 |
| 20° | 267.0 | 270.0 | 272.0 | 276.9 | 276.9 |
| 22.5° | 263.1 | 265.1 | 267.0 | 272.9 | 273.9 |
| 25° | 257.2 | 260.2 | 263.1 | 269.0 | 271.0 |
| 27.5° | 251.3 | 254.3 | 258.2 | 265.1 | 267.0 |
| 30° | 244.5 | 248.4 | 252.3 | 259.2 | 262.1 |
| 32.5° | 238.6 | 241.5 | 246.4 | 254.3 | 256.2 |
| 35° | 231.7 | 233.7 | 238.6 | 247.4 | 250.4 |
| 37.5° | 223.8 | 225.8 | 231.7 | 239.6 | 243.5 |
| 40° | 217.0 | 218.9 | 223.8 | 231.7 | 236.6 |
| 42.5° | 207.2 | 210.1 | 216.0 | 222.9 | 227.8 |
| 45° | 198.3 | 201.3 | 207.2 | 214.0 | 218.0 |
| 47.5° | 189.5 | 192.4 | 197.3 | 204.2 | 208.1 |
| 50° | 179.7 | 182.6 | 187.5 | 194.4 | 198.3 |
| 52.5° | 169.8 | 172.8 | 177.7 | 183.6 | 187.5 |
| 55° | 159.0 | 162.0 | 166.9 | 171.8 | 176.7 |
| 57.5° | 148.2 | 151.2 | 155.1 | 161.0 | 165.9 |
| 60° | 137.4 | 139.4 | 143.3 | 150.2 | 153.2 |
| 62.5° | 125.7 | 127.6 | 131.6 | 138.4 | 145.3 |
| 65° | 111.9 | 114.9 | 119.8 | 130.6 | 137.4 |
| 67.5° | 100.1 | 102.1 | 107.0 | 122.7 | 133.5 |
| 70° | 87.4 | 90.3 | 97.2 | 119.8 | 125.7 |
| 72.5° | 74.6 | 77.6 | 90.3 | 110.0 | 112.9 |
| 75° | 60.9 | 64.8 | 84.4 | 95.2 | 96.2 |
| 77.5° | 48.1 | 53.0 | 72.7 | 78.5 | 79.5 |
| 80° | 35.3 | 44.2 | 57.9 | 61.9 | 62.8 |
| 82.5° | 23.6 | 37.3 | 43.2 | 48.1 | 48.1 |
| 85° | 13.7 | 25.5 | 32.4 | 36.3 | 36.3 |
| 87.5° | 7.9 | 16.7 | 24.5 | 28.5 | 27.5 |
| 90° | 2.0 | 2.9 | 2.9 | 2.0 | 2.0 |
| 92.5° | 22.6 | 71.7 | 19.6 | 18.7 | 18.7 |
| 95° | 41.2 | 322.0 | 252.3 | 40.3 | 39.3 |
| 97.5° | 58.9 | 390.7 | 674.5 | 815.9 | 673.5 |
| 100° | 78.5 | 472.2 | 715.7 | 884.6 | 932.7 |
| 102.5° | 100.1 | 500.7 | 755.0 | 909.1 | 960.2 |
| 105° | 121.7 | 512.5 | 799.2 | 944.5 | 989.6 |
| 107.5° | 145.3 | 520.3 | 854.1 | 972.9 | 1017.1 |
| 110° | 168.9 | 524.3 | 885.6 | 1008.3 | 1043.6 |



TEST NUMBER: P275240

CATALOG NUMBER: J3-UL-60L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|--------|--------|
| 112.5° | 191.4 | 527.2 | 871.8 | 1048.5 | 1080.0 |
| 115° | 214.0 | 529.2 | 864.9 | 1075.0 | 1113.3 |
| 117.5° | 234.6 | 532.1 | 856.1 | 1050.5 | 1115.3 |
| 120° | 255.3 | 535.1 | 847.3 | 1033.8 | 1089.8 |
| 122.5° | 277.8 | 539.0 | 837.5 | 1020.1 | 1072.1 |
| 125° | 297.5 | 541.9 | 828.6 | 1004.4 | 1055.4 |
| 127.5° | 317.1 | 544.9 | 817.8 | 987.7 | 1038.7 |
| 130° | 335.8 | 551.8 | 808.0 | 971.0 | 1019.1 |
| 132.5° | 352.5 | 555.7 | 796.2 | 952.3 | 999.5 |
| 135° | 369.1 | 557.7 | 781.5 | 931.7 | 978.8 |
| 137.5° | 386.8 | 556.7 | 767.8 | 912.1 | 957.2 |
| 140° | 400.6 | 555.7 | 753.0 | 888.5 | 933.7 |
| 142.5° | 415.3 | 552.7 | 738.3 | 864.9 | 908.1 |
| 145° | 427.1 | 547.8 | 722.6 | 839.4 | 882.6 |
| 147.5° | 438.9 | 541.9 | 708.8 | 812.9 | 852.2 |
| 150° | 448.7 | 533.1 | 694.1 | 784.4 | 821.8 |
| 152.5° | 457.5 | 526.2 | 674.5 | 758.9 | 789.4 |
| 155° | 466.3 | 520.3 | 652.9 | 735.4 | 760.9 |
| 157.5° | 474.2 | 516.4 | 629.3 | 706.9 | 734.4 |
| 160° | 482.1 | 511.5 | 602.8 | 676.4 | 699.0 |
| 162.5° | 487.0 | 508.6 | 575.3 | 640.1 | 658.8 |
| 165° | 491.9 | 505.6 | 549.8 | 603.8 | 622.4 |
| 167.5° | 494.8 | 503.7 | 532.1 | 565.5 | 582.2 |
| 170° | 498.7 | 502.7 | 518.4 | 538.0 | 541.9 |
| 172.5° | 500.7 | 502.7 | 509.5 | 519.4 | 520.3 |
| 175° | 501.7 | 502.7 | 503.7 | 508.6 | 505.6 |
| 177.5° | 502.7 | 503.7 | 500.7 | 503.7 | 499.7 |
| 180° | 501.7 | 501.7 | 501.7 | 501.7 | 501.7 |

(END OF REPORT)