

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: P275195

Luminaire Tested: **J3-UL-30L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275195
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-30L92765-1D-UNV-W2A-W-4 (4500K)
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 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2729.3 lumens
Efficiency: N/A
Efficacy: 129.3 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

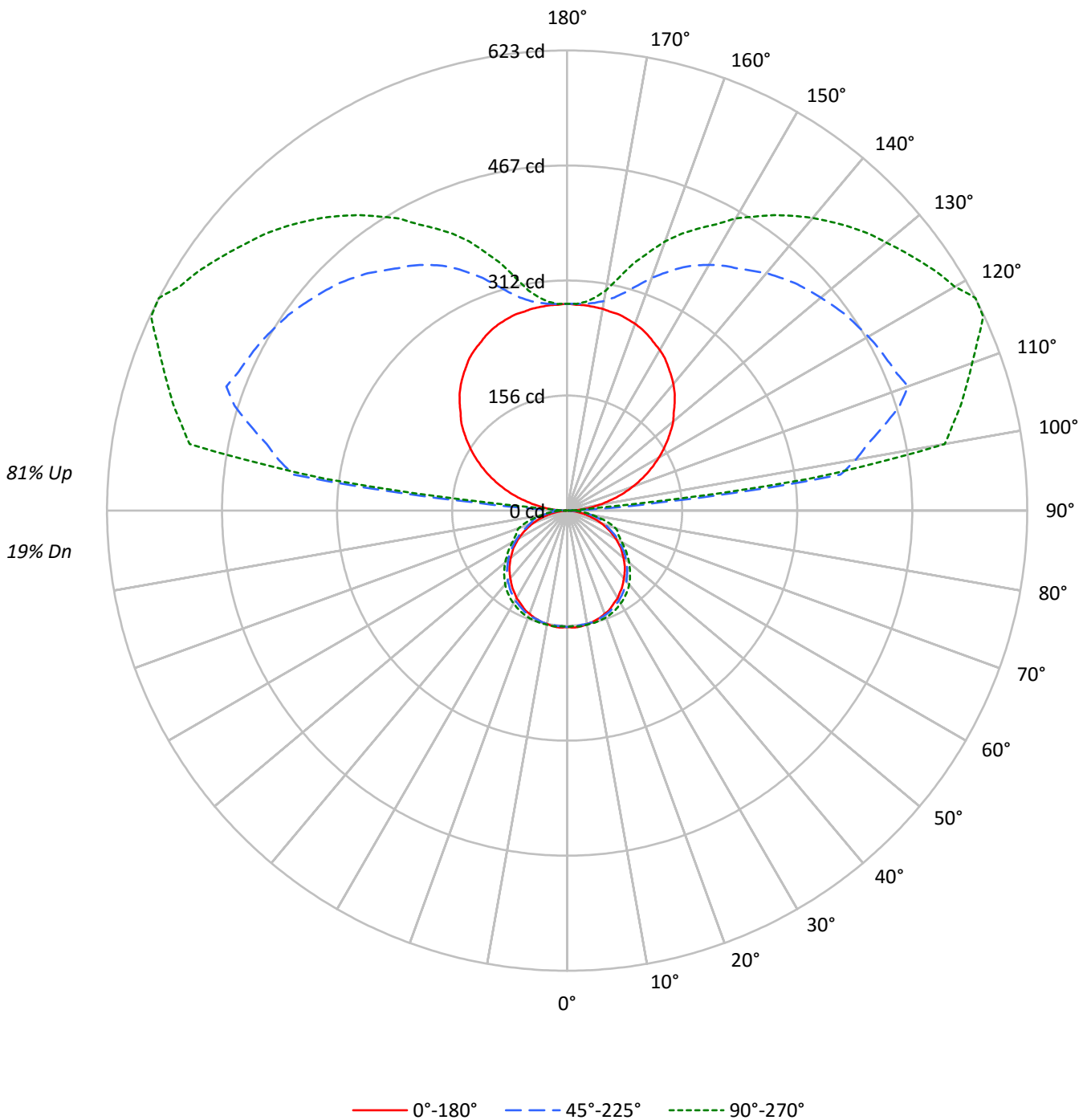
Input Watts (W): 21.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P275195

CATALOG NUMBER: J3-UL-30L92765-1D-UNV-W2A-W-4 (4500K)

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 | 83 | 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° | 1272 | 1272 | 1272 |
| 5° | 1284 | 1270 | 1277 |
| 10° | 1277 | 1277 | 1285 |
| 15° | 1280 | 1280 | 1302 |
| 20° | 1277 | 1292 | 1323 |
| 25° | 1275 | 1300 | 1340 |
| 30° | 1275 | 1309 | 1352 |
| 35° | 1268 | 1313 | 1366 |
| 40° | 1260 | 1317 | 1375 |
| 45° | 1262 | 1314 | 1376 |
| 50° | 1252 | 1309 | 1376 |
| 55° | 1250 | 1301 | 1377 |
| 60° | 1229 | 1287 | 1376 |
| 65° | 1194 | 1263 | 1454 |
| 70° | 1133 | 1284 | 1648 |
| 75° | 1045 | 1469 | 1669 |
| 80° | 925 | 1474 | 1599 |
| 85° | 760 | 1677 | 1843 |



TEST NUMBER: P275195

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 15.0 | 0.5 |
| 10°-20° | 43.5 | 1.6 |
| 20°-30° | 67.6 | 2.5 |
| 30°-40° | 83.6 | 3.1 |
| 40°-50° | 89.0 | 3.3 |
| 50°-60° | 83.0 | 3.0 |
| 60°-70° | 67.6 | 2.5 |
| 70°-80° | 46.4 | 1.7 |
| 80°-90° | 18.2 | 0.7 |
| 90°-100° | 159.5 | 5.8 |
| 100°-110° | 412.4 | 15.1 |
| 110°-120° | 427.5 | 15.7 |
| 120°-130° | 380.0 | 13.9 |
| 130°-140° | 316.7 | 11.6 |
| 140°-150° | 241.4 | 8.8 |
| 150°-160° | 162.7 | 6.0 |
| 160°-170° | 88.2 | 3.2 |
| 170°-180° | 27.1 | 1.0 |
| 0°-30° | 126.1 | 4.6 |
| 0°-40° | 209.6 | 7.7 |
| 0°-60° | 381.7 | 14.0 |
| 0°-90° | 513.9 | 18.8 |
| 90°-120° | 999.3 | 36.6 |
| 90°-150° | 1937.4 | 71.0 |
| 90°-180° | 2215.0 | 81.2 |
| 0°-180° | 2729.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 158 | 158 | 158 | 158 | 158 | |
| 5° | 158 | 158 | 157 | 157 | 158 | 15 |
| 15° | 153 | 153 | 153 | 155 | 156 | 43 |
| 25° | 143 | 144 | 146 | 150 | 150 | 66 |
| 35° | 129 | 130 | 133 | 138 | 139 | 80 |
| 45° | 110 | 112 | 115 | 120 | 120 | 85 |
| 55° | 89 | 90 | 92 | 96 | 98 | 79 |
| 65° | 62 | 64 | 66 | 72 | 76 | 62 |
| 75° | 34 | 36 | 47 | 52 | 54 | 35 |
| 85° | 8 | 14 | 18 | 20 | 20 | 9 |
| 90° | 1 | 2 | 2 | 1 | 1 | 3 |
| 95° | 23 | 178 | 126 | 22 | 22 | 23 |
| 105° | 69 | 285 | 444 | 524 | 552 | 72 |
| 115° | 120 | 294 | 479 | 598 | 622 | 118 |
| 125° | 166 | 301 | 461 | 556 | 586 | 148 |
| 135° | 206 | 310 | 436 | 517 | 543 | 159 |
| 145° | 238 | 304 | 400 | 468 | 488 | 149 |
| 155° | 261 | 291 | 362 | 410 | 421 | 120 |
| 165° | 274 | 282 | 306 | 336 | 346 | 77 |
| 175° | 279 | 280 | 281 | 283 | 284 | 27 |
| 180° | 280 | 280 | 280 | 280 | 280 | |



TEST NUMBER: P275195

CATALOG NUMBER: J3-UL-30L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 0° | 157.6 | 157.6 | 157.6 | 157.6 | 157.6 |
| 2.5° | 158.5 | 158.5 | 156.7 | 156.7 | 156.7 |
| 5° | 158.5 | 157.6 | 156.7 | 156.7 | 157.6 |
| 7.5° | 157.6 | 157.6 | 155.8 | 156.7 | 157.6 |
| 10° | 155.8 | 155.8 | 155.8 | 156.7 | 156.7 |
| 12.5° | 154.9 | 154.9 | 154.9 | 155.8 | 156.7 |
| 15° | 153.1 | 153.1 | 153.1 | 154.9 | 155.8 |
| 17.5° | 151.3 | 151.3 | 152.2 | 154.0 | 154.9 |
| 20° | 148.6 | 149.5 | 150.4 | 153.1 | 154.0 |
| 22.5° | 146.8 | 146.8 | 148.6 | 151.3 | 152.2 |
| 25° | 143.1 | 144.1 | 145.9 | 149.5 | 150.4 |
| 27.5° | 139.5 | 140.4 | 143.1 | 146.8 | 147.7 |
| 30° | 136.8 | 137.7 | 140.4 | 144.1 | 145.0 |
| 32.5° | 132.3 | 134.1 | 136.8 | 141.3 | 142.2 |
| 35° | 128.7 | 129.6 | 133.2 | 137.7 | 138.6 |
| 37.5° | 124.1 | 125.9 | 128.7 | 133.2 | 135.0 |
| 40° | 119.6 | 121.4 | 125.0 | 129.6 | 130.5 |
| 42.5° | 115.1 | 116.9 | 119.6 | 124.1 | 125.9 |
| 45° | 110.5 | 112.3 | 115.1 | 119.6 | 120.5 |
| 47.5° | 105.1 | 106.9 | 109.6 | 114.2 | 115.1 |
| 50° | 99.7 | 101.5 | 104.2 | 107.8 | 109.6 |
| 52.5° | 94.2 | 96.0 | 98.8 | 102.4 | 103.3 |
| 55° | 88.8 | 89.7 | 92.4 | 96.0 | 97.8 |
| 57.5° | 82.4 | 84.3 | 86.1 | 89.7 | 91.5 |
| 60° | 76.1 | 77.0 | 79.7 | 83.4 | 85.2 |
| 62.5° | 68.9 | 70.7 | 73.4 | 77.0 | 80.6 |
| 65° | 62.5 | 64.3 | 66.1 | 72.5 | 76.1 |
| 67.5° | 55.3 | 57.1 | 59.8 | 67.9 | 74.3 |
| 70° | 48.0 | 49.8 | 54.4 | 66.1 | 69.8 |
| 72.5° | 40.8 | 42.6 | 49.8 | 60.7 | 62.5 |
| 75° | 33.5 | 36.2 | 47.1 | 52.5 | 53.5 |
| 77.5° | 26.3 | 29.0 | 39.9 | 42.6 | 43.5 |
| 80° | 19.9 | 24.5 | 31.7 | 34.4 | 34.4 |
| 82.5° | 13.6 | 20.8 | 24.5 | 26.3 | 27.2 |
| 85° | 8.2 | 14.5 | 18.1 | 19.9 | 19.9 |
| 87.5° | 4.5 | 9.1 | 12.7 | 15.4 | 14.5 |
| 90° | 0.9 | 1.8 | 1.8 | 0.9 | 0.9 |
| 92.5° | 12.7 | 37.1 | 10.9 | 10.0 | 10.0 |
| 95° | 22.6 | 178.5 | 125.9 | 21.7 | 21.7 |
| 97.5° | 32.6 | 218.3 | 373.3 | 439.4 | 330.7 |
| 100° | 43.5 | 259.1 | 396.8 | 491.1 | 519.1 |
| 102.5° | 55.3 | 278.1 | 416.8 | 504.6 | 534.5 |
| 105° | 68.9 | 285.4 | 443.9 | 523.7 | 551.8 |
| 107.5° | 81.5 | 289.9 | 472.0 | 540.9 | 567.2 |
| 110° | 94.2 | 291.7 | 491.1 | 560.8 | 583.5 |



TEST NUMBER: P275195

CATALOG NUMBER: J3-UL-30L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 106.9 | 293.5 | 483.8 | 584.4 | 601.6 |
| 115° | 119.6 | 294.4 | 479.3 | 598.0 | 621.5 |
| 117.5° | 131.4 | 296.3 | 475.6 | 584.4 | 623.3 |
| 120° | 143.1 | 298.1 | 471.1 | 573.5 | 606.1 |
| 122.5° | 154.9 | 299.9 | 465.7 | 565.3 | 597.1 |
| 125° | 165.8 | 300.8 | 461.2 | 556.3 | 586.2 |
| 127.5° | 176.7 | 302.6 | 454.8 | 547.2 | 575.3 |
| 130° | 187.5 | 306.2 | 448.5 | 537.3 | 564.4 |
| 132.5° | 195.7 | 308.9 | 442.1 | 528.2 | 554.5 |
| 135° | 205.7 | 309.9 | 435.8 | 517.3 | 542.7 |
| 137.5° | 215.6 | 309.9 | 427.6 | 506.5 | 530.0 |
| 140° | 223.8 | 308.9 | 419.5 | 493.8 | 517.3 |
| 142.5° | 231.0 | 307.1 | 409.5 | 481.1 | 502.8 |
| 145° | 238.3 | 304.4 | 400.5 | 467.5 | 488.3 |
| 147.5° | 245.5 | 301.7 | 393.2 | 453.0 | 472.0 |
| 150° | 251.0 | 298.1 | 384.1 | 437.6 | 456.6 |
| 152.5° | 255.5 | 293.5 | 374.2 | 423.1 | 436.7 |
| 155° | 260.9 | 290.8 | 362.4 | 409.5 | 421.3 |
| 157.5° | 265.5 | 287.2 | 348.8 | 395.0 | 405.9 |
| 160° | 269.1 | 285.4 | 335.2 | 376.0 | 387.8 |
| 162.5° | 271.8 | 282.7 | 319.8 | 357.0 | 366.0 |
| 165° | 274.5 | 281.8 | 306.2 | 336.1 | 346.1 |
| 167.5° | 275.4 | 280.0 | 295.4 | 314.4 | 322.5 |
| 170° | 277.2 | 280.0 | 288.1 | 299.0 | 302.6 |
| 172.5° | 278.1 | 280.0 | 283.6 | 289.0 | 290.8 |
| 175° | 279.0 | 280.0 | 280.9 | 282.7 | 283.6 |
| 177.5° | 279.0 | 280.0 | 280.0 | 280.0 | 280.0 |
| 180° | 280.0 | 280.0 | 280.0 | 280.0 | 280.0 |

(END OF REPORT)