

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1319010

Luminaire Tested: LDSQA3D05R609835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R609835DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

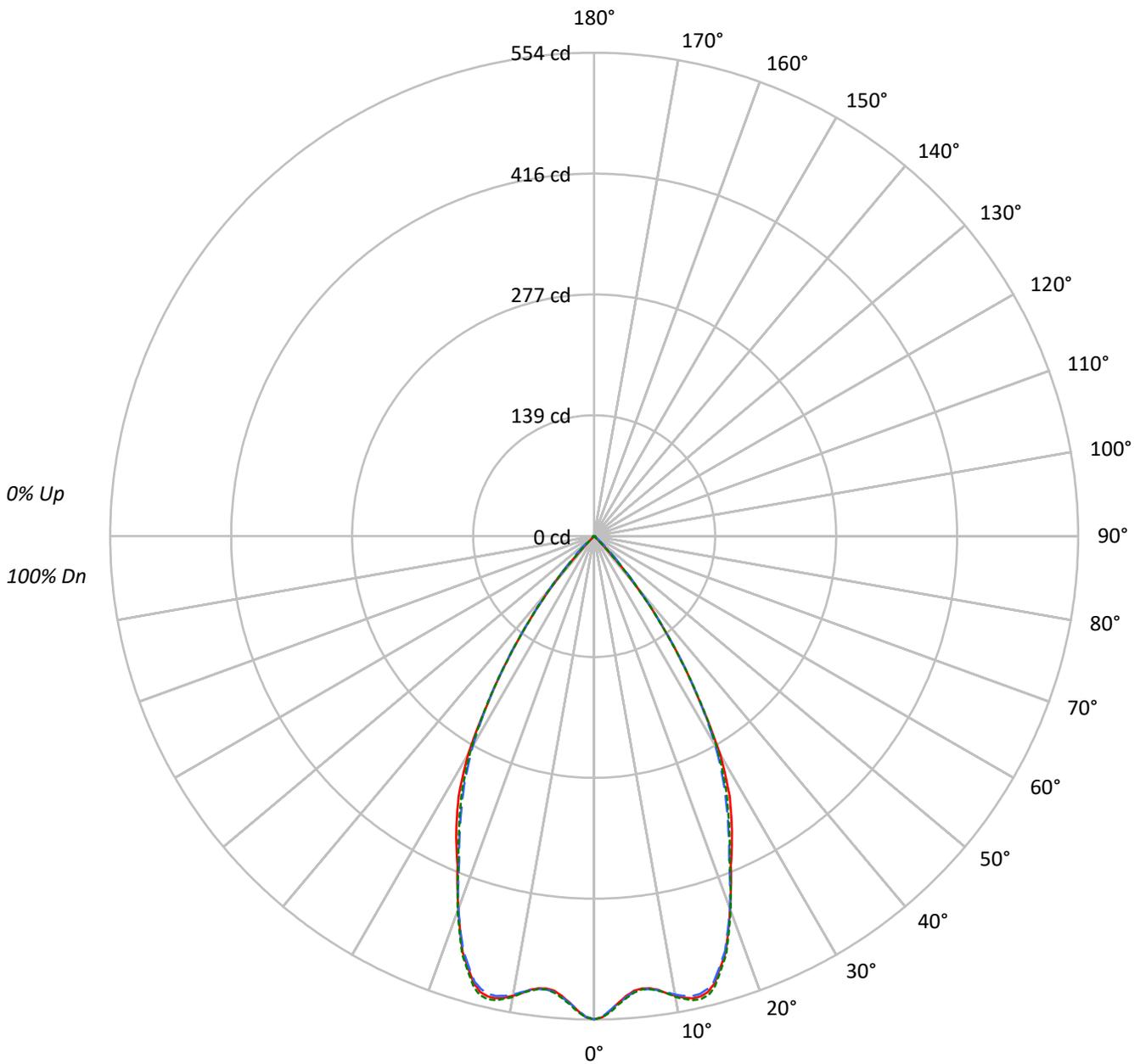
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 494.0 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
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: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270°



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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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1 | 114 | 111 | 108 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 101 | 101 | 100 | 98 | 98 | 96 | 95 | 95 | 95 | 95 | 94 |
| 2 | 108 | 103 | 99 | 96 | 106 | 102 | 98 | 95 | 98 | 95 | 93 | 95 | 93 | 91 | 93 | 91 | 89 | 89 | 89 | 89 | 87 |
| 3 | 103 | 97 | 92 | 88 | 101 | 95 | 91 | 87 | 93 | 89 | 86 | 90 | 87 | 84 | 88 | 85 | 83 | 83 | 83 | 83 | 82 |
| 4 | 98 | 90 | 85 | 81 | 96 | 89 | 84 | 80 | 87 | 83 | 79 | 85 | 81 | 79 | 83 | 80 | 78 | 78 | 78 | 78 | 76 |
| 5 | 93 | 85 | 79 | 75 | 91 | 84 | 79 | 75 | 82 | 77 | 74 | 80 | 76 | 73 | 79 | 75 | 73 | 73 | 73 | 73 | 71 |
| 6 | 88 | 80 | 74 | 70 | 87 | 79 | 73 | 69 | 77 | 73 | 69 | 76 | 72 | 68 | 75 | 71 | 68 | 68 | 68 | 68 | 67 |
| 7 | 84 | 75 | 69 | 65 | 83 | 74 | 69 | 65 | 73 | 68 | 64 | 72 | 67 | 64 | 71 | 67 | 64 | 64 | 64 | 64 | 62 |
| 8 | 80 | 71 | 65 | 61 | 79 | 70 | 65 | 61 | 69 | 64 | 60 | 68 | 64 | 60 | 67 | 63 | 60 | 60 | 60 | 60 | 59 |
| 9 | 76 | 67 | 61 | 57 | 75 | 66 | 61 | 57 | 65 | 60 | 57 | 65 | 60 | 57 | 64 | 60 | 56 | 56 | 56 | 56 | 55 |
| 10 | 73 | 63 | 58 | 54 | 72 | 63 | 57 | 54 | 62 | 57 | 54 | 61 | 57 | 53 | 61 | 56 | 53 | 53 | 53 | 53 | 52 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 95377 | 95377 | 95377 |
| 5° | 90399 | 90676 | 90797 |
| 10° | 93543 | 93281 | 93753 |
| 15° | 94676 | 94266 | 95229 |
| 20° | 83372 | 83299 | 83720 |
| 25° | 70956 | 68885 | 69474 |
| 30° | 57253 | 55265 | 56180 |
| 35° | 36246 | 36562 | 36162 |
| 40° | 16951 | 17648 | 17199 |
| 45° | 1047 | 6211 | 1218 |
| 50° | 509 | 1447 | 509 |
| 55° | 570 | 570 | 570 |
| 60° | 517 | 517 | 517 |
| 65° | 489 | 611 | 489 |
| 70° | 604 | 604 | 604 |
| 75° | 532 | 532 | 532 |
| 80° | 397 | 397 | 397 |
| 85° | 790 | 790 | 790 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 6211 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 50.5 | 10.2 |
| 10°-20° | 145.4 | 29.4 |
| 20°-30° | 167.6 | 33.9 |
| 30°-40° | 107.6 | 21.8 |
| 40°-50° | 18.7 | 3.8 |
| 50°-60° | 1.8 | 0.4 |
| 60°-70° | 1.4 | 0.3 |
| 70°-80° | 0.8 | 0.2 |
| 80°-90° | 0.3 | 0.1 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 363.4 | 73.6 |
| 0°-40° | 471.0 | 95.4 |
| 0°-60° | 491.5 | 99.5 |
| 0°-90° | 494.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 494.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 554 | 554 | 554 | 554 | 554 | |
| 5° | 523 | 524 | 524 | 526 | 525 | 50 |
| 15° | 531 | 529 | 529 | 532 | 534 | 146 |
| 25° | 373 | 369 | 362 | 363 | 366 | 170 |
| 35° | 172 | 171 | 174 | 170 | 172 | 108 |
| 45° | 4 | 13 | 26 | 15 | 5 | 14 |
| 55° | 2 | 2 | 2 | 2 | 2 | 2 |
| 65° | 1 | 2 | 2 | 2 | 1 | 1 |
| 75° | 1 | 1 | 1 | 1 | 1 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 553.8 | 553.8 | 553.8 | 553.8 | 553.8 |
| 1° | 551.5 | 551.1 | 550.8 | 551.1 | 551.5 |
| 2° | 543.8 | 543.4 | 543.0 | 544.6 | 545.3 |
| 3° | 535.3 | 535.7 | 536.1 | 536.8 | 537.2 |
| 4° | 528.3 | 529.1 | 529.5 | 530.3 | 530.7 |
| 5° | 522.9 | 524.1 | 524.5 | 525.6 | 525.2 |
| 6° | 521.4 | 522.2 | 522.5 | 522.9 | 522.2 |
| 7° | 522.2 | 522.5 | 522.9 | 523.7 | 522.9 |
| 8° | 524.9 | 525.2 | 525.6 | 526.0 | 526.0 |
| 9° | 530.3 | 529.5 | 529.1 | 530.7 | 530.3 |
| 10° | 534.9 | 533.7 | 533.4 | 535.7 | 536.1 |
| 11° | 538.8 | 537.2 | 536.8 | 539.5 | 540.3 |
| 12° | 541.5 | 539.2 | 538.8 | 542.2 | 543.8 |
| 13° | 541.5 | 538.4 | 538.4 | 542.2 | 544.6 |
| 14° | 538.4 | 534.9 | 534.9 | 539.2 | 541.9 |
| 15° | 531.0 | 529.1 | 528.7 | 532.2 | 534.1 |
| 17.5° | 500.1 | 497.8 | 498.2 | 502.1 | 502.4 |
| 20° | 454.9 | 453.7 | 454.5 | 455.3 | 456.8 |
| 22.5° | 408.9 | 408.1 | 403.9 | 405.0 | 405.8 |
| 25° | 373.4 | 369.1 | 362.5 | 362.9 | 365.6 |
| 27.5° | 335.9 | 331.6 | 322.3 | 324.3 | 327.0 |
| 30° | 287.9 | 284.5 | 277.9 | 279.0 | 282.5 |
| 32.5° | 226.1 | 233.1 | 226.9 | 228.8 | 227.6 |
| 35° | 172.4 | 171.2 | 173.9 | 170.4 | 172.0 |
| 37.5° | 121.4 | 121.7 | 122.9 | 119.8 | 119.8 |
| 40° | 75.4 | 77.3 | 78.5 | 76.9 | 76.5 |
| 42.5° | 31.7 | 43.3 | 45.6 | 43.3 | 32.1 |
| 45° | 4.3 | 12.8 | 25.5 | 15.1 | 5.0 |
| 47.5° | 1.9 | 2.7 | 13.5 | 2.7 | 1.9 |
| 50° | 1.9 | 1.9 | 5.4 | 1.9 | 1.9 |
| 52.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 55° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 57.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 60° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 62.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 65° | 1.2 | 1.5 | 1.5 | 1.5 | 1.2 |
| 67.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 70° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 72.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 75° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 77.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 80° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 82.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 85° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)