

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: P1309488

Luminaire Tested: LDSQA3D17R709030DE010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709030DE010 3LSQCLDWWR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCLDWWR1MMS T
Light Source: -
Ballast/Driver: -

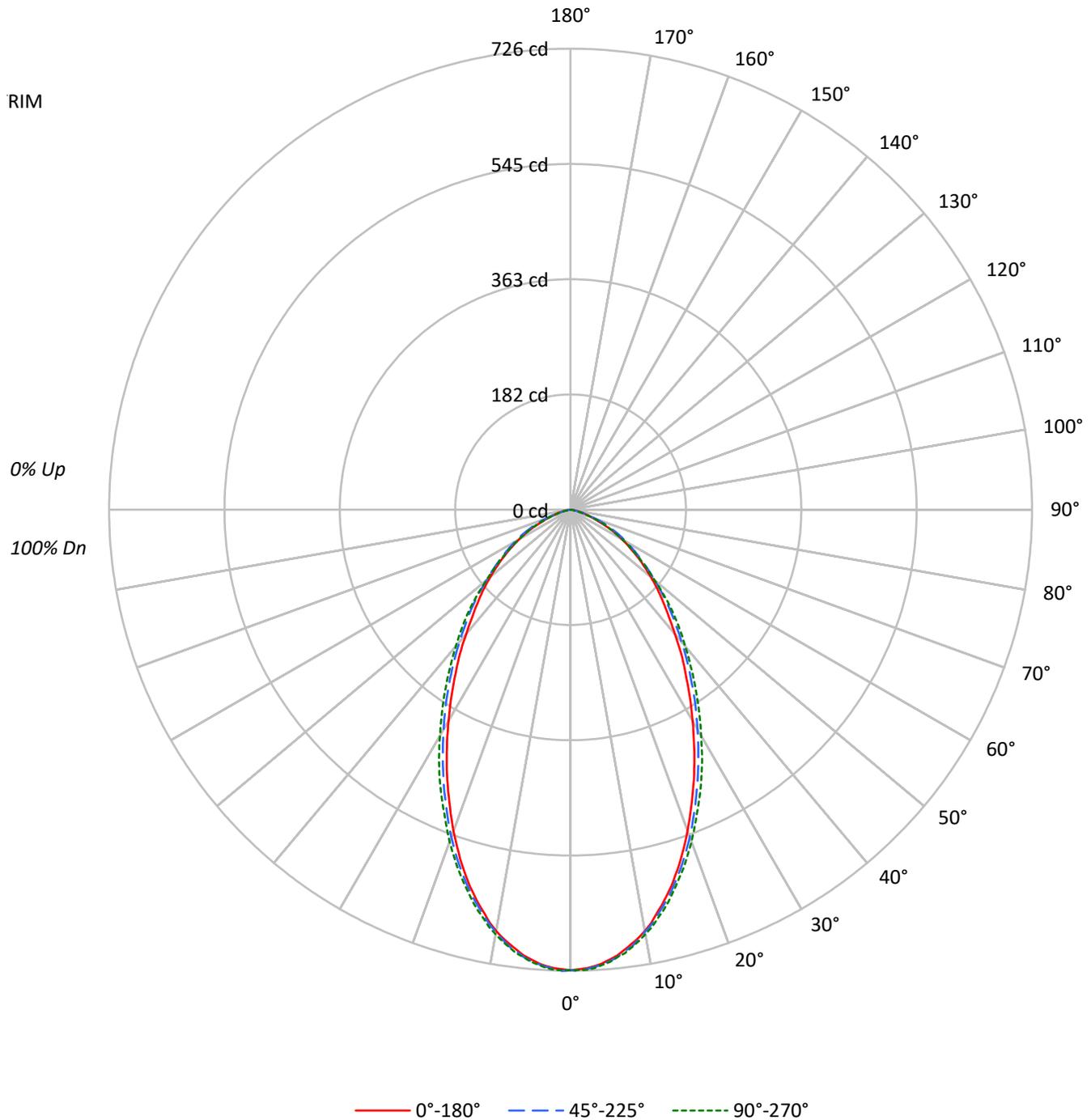
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1038.0 lumens
Efficiency: N/A
Efficacy: 49.0 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

TEST NUMBER: P1309488
CATALOG NUMBER: LDSQA3D17R709030DE010 3LSQCLDWWR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1309488

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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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1 | 111 | 108 | 104 | 102 | 109 | 106 | 103 | 100 | 101 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 89 | 89 | 89 |
| 2 | 103 | 97 | 92 | 87 | 101 | 95 | 90 | 86 | 92 | 88 | 84 | 89 | 85 | 82 | 86 | 83 | 80 | 79 | 79 | 79 |
| 3 | 96 | 87 | 81 | 76 | 94 | 86 | 80 | 75 | 83 | 78 | 74 | 81 | 76 | 72 | 78 | 74 | 71 | 69 | 69 | 69 |
| 4 | 89 | 79 | 72 | 66 | 87 | 78 | 71 | 66 | 76 | 70 | 65 | 74 | 69 | 64 | 72 | 67 | 64 | 62 | 62 | 62 |
| 5 | 83 | 72 | 65 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 58 | 66 | 61 | 57 | 55 | 55 | 55 |
| 6 | 78 | 66 | 59 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 53 | 62 | 56 | 52 | 61 | 56 | 52 | 50 | 50 | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 48 | 58 | 52 | 47 | 56 | 51 | 47 | 45 | 45 | 45 |
| 8 | 68 | 57 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 48 | 44 | 53 | 48 | 43 | 52 | 47 | 43 | 41 | 41 | 41 |
| 9 | 64 | 53 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 38 | 38 | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 49 | 42 | 37 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | 35 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 124879 | 124879 | 124879 |
| 5° | 122901 | 123350 | 123575 |
| 10° | 117799 | 118009 | 118691 |
| 15° | 109297 | 110224 | 111133 |
| 20° | 98657 | 100545 | 101974 |
| 25° | 87374 | 89807 | 92011 |
| 30° | 76325 | 79387 | 81694 |
| 35° | 66332 | 69864 | 72030 |
| 40° | 57329 | 61084 | 63130 |
| 45° | 50198 | 53632 | 55215 |
| 50° | 44155 | 46245 | 46245 |
| 55° | 38283 | 40205 | 39064 |
| 60° | 32378 | 34617 | 32826 |
| 65° | 25184 | 28852 | 26244 |
| 70° | 18178 | 21401 | 18178 |
| 75° | 13708 | 12843 | 10314 |
| 80° | 8926 | 6347 | 2579 |
| 85° | 2569 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 55215 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 66.8 | 6.4 |
| 10°-20° | 172.5 | 16.6 |
| 20°-30° | 216.6 | 20.9 |
| 30°-40° | 206.9 | 19.9 |
| 40°-50° | 168.2 | 16.2 |
| 50°-60° | 117.8 | 11.3 |
| 60°-70° | 66.5 | 6.4 |
| 70°-80° | 21.0 | 2.0 |
| 80°-90° | 1.6 | 0.2 |
| 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° | 456.0 | 43.9 |
| 0°-40° | 662.9 | 63.9 |
| 0°-60° | 948.8 | 91.4 |
| 0°-90° | 1038.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1038.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 725 | 725 | 725 | 725 | 725 | |
| 5° | 711 | 712 | 714 | 712 | 715 | 67 |
| 15° | 613 | 614 | 618 | 620 | 623 | 171 |
| 25° | 460 | 465 | 473 | 480 | 484 | 211 |
| 35° | 316 | 321 | 332 | 339 | 343 | 198 |
| 45° | 206 | 211 | 220 | 224 | 227 | 160 |
| 55° | 128 | 129 | 134 | 131 | 130 | 114 |
| 65° | 62 | 66 | 71 | 67 | 64 | 62 |
| 75° | 21 | 21 | 19 | 17 | 16 | 22 |
| 85° | 1 | 1 | 0 | 0 | 0 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1309488

CATALOG NUMBER: LDSQA3D17R709030DE010 3LSQCLDWWR1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 725.1 | 725.1 | 725.1 | 725.1 | 725.1 |
| 1° | 723.8 | 725.1 | 726.4 | 723.8 | 725.1 |
| 2° | 722.5 | 723.8 | 723.8 | 722.5 | 725.1 |
| 3° | 719.9 | 721.2 | 721.2 | 719.9 | 722.5 |
| 4° | 716.1 | 717.3 | 717.3 | 716.1 | 718.6 |
| 5° | 710.9 | 712.2 | 713.5 | 712.2 | 714.8 |
| 6° | 705.8 | 707.0 | 708.3 | 707.0 | 708.3 |
| 7° | 698.0 | 700.6 | 700.6 | 700.6 | 703.2 |
| 8° | 690.3 | 692.9 | 694.2 | 692.9 | 695.4 |
| 9° | 682.6 | 683.9 | 685.1 | 685.1 | 687.7 |
| 10° | 673.6 | 674.8 | 674.8 | 676.1 | 678.7 |
| 11° | 663.3 | 663.3 | 665.8 | 665.8 | 669.7 |
| 12° | 650.4 | 651.7 | 654.2 | 655.5 | 658.1 |
| 13° | 638.8 | 640.1 | 642.6 | 643.9 | 647.8 |
| 14° | 625.9 | 628.5 | 631.1 | 632.3 | 636.2 |
| 15° | 613.0 | 614.3 | 618.2 | 619.5 | 623.3 |
| 17.5° | 577.0 | 578.3 | 584.7 | 587.3 | 591.1 |
| 20° | 538.3 | 542.2 | 548.6 | 552.5 | 556.4 |
| 22.5° | 498.4 | 502.3 | 510.0 | 516.4 | 519.0 |
| 25° | 459.8 | 464.9 | 472.6 | 480.4 | 484.2 |
| 27.5° | 421.1 | 426.3 | 435.3 | 443.0 | 448.2 |
| 30° | 383.8 | 388.9 | 399.2 | 405.7 | 410.8 |
| 32.5° | 349.0 | 354.2 | 365.8 | 372.2 | 376.1 |
| 35° | 315.5 | 320.7 | 332.3 | 338.7 | 342.6 |
| 37.5° | 285.9 | 291.1 | 301.4 | 307.8 | 310.4 |
| 40° | 255.0 | 261.4 | 271.7 | 278.2 | 280.8 |
| 42.5° | 229.2 | 234.4 | 244.7 | 249.8 | 253.7 |
| 45° | 206.1 | 211.2 | 220.2 | 224.1 | 226.7 |
| 47.5° | 185.5 | 188.0 | 195.8 | 197.0 | 199.6 |
| 50° | 164.8 | 167.4 | 172.6 | 173.9 | 172.6 |
| 52.5° | 145.5 | 148.1 | 152.0 | 150.7 | 150.7 |
| 55° | 127.5 | 128.8 | 133.9 | 131.4 | 130.1 |
| 57.5° | 109.5 | 112.0 | 117.2 | 113.3 | 112.0 |
| 60° | 94.0 | 96.6 | 100.5 | 97.9 | 95.3 |
| 62.5° | 78.6 | 79.8 | 86.3 | 81.1 | 78.6 |
| 65° | 61.8 | 65.7 | 70.8 | 67.0 | 64.4 |
| 67.5° | 46.4 | 52.8 | 58.0 | 52.8 | 50.2 |
| 70° | 36.1 | 38.6 | 42.5 | 39.9 | 36.1 |
| 72.5° | 27.0 | 28.3 | 29.6 | 27.0 | 24.5 |
| 75° | 20.6 | 20.6 | 19.3 | 16.7 | 15.5 |
| 77.5° | 14.2 | 14.2 | 11.6 | 7.7 | 7.7 |
| 80° | 9.0 | 9.0 | 6.4 | 2.6 | 2.6 |
| 82.5° | 3.9 | 3.9 | 2.6 | 1.3 | 1.3 |
| 85° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 |
| 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)