

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: P1312801

Luminaire Tested: LDSQA3D17R709050DE010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312801
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: LDSQA3D17R709050DE010 3LSQCLDWWR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCLDWWR1MMS T
Light Source: -
Ballast/Driver: -

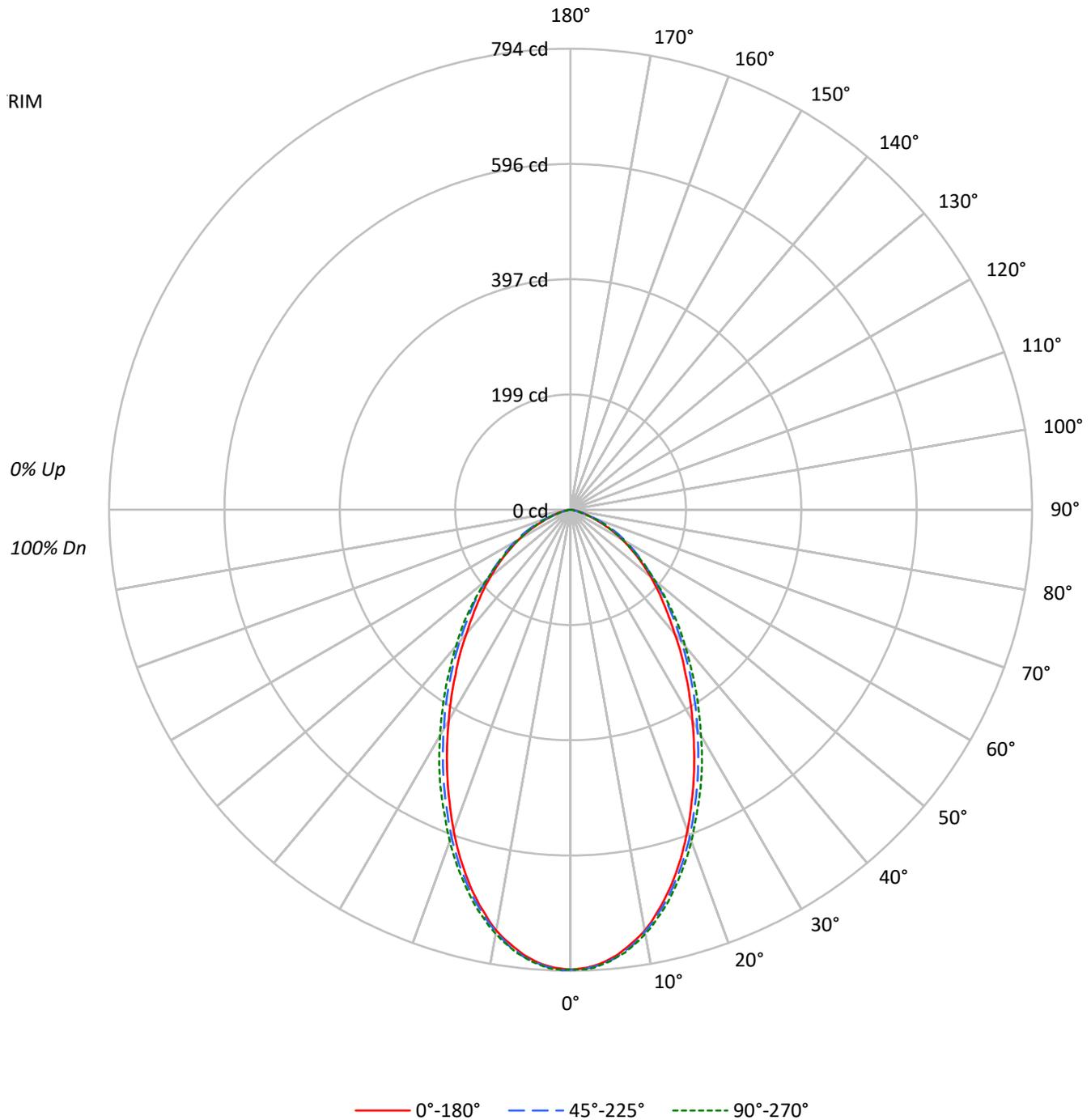
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1134.0 lumens
Efficiency: N/A
Efficacy: 53.5 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 (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: 24 FT

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Luminous Intensity Polar Plot





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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 136418 | 136418 | 136418 |
| 5° | 134276 | 134760 | 135002 |
| 10° | 128676 | 128939 | 129673 |
| 15° | 119406 | 120405 | 121421 |
| 20° | 107784 | 109855 | 111395 |
| 25° | 95450 | 98130 | 100524 |
| 30° | 83384 | 86745 | 89251 |
| 35° | 72471 | 76319 | 78695 |
| 40° | 62635 | 66749 | 68953 |
| 45° | 54825 | 58600 | 60305 |
| 50° | 48254 | 50505 | 50505 |
| 55° | 41826 | 43928 | 42667 |
| 60° | 35375 | 37786 | 35857 |
| 65° | 27507 | 31542 | 28648 |
| 70° | 19840 | 23365 | 19840 |
| 75° | 14972 | 14040 | 11246 |
| 80° | 9720 | 6943 | 2777 |
| 85° | 2766 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 60305 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 73.0 | 6.4 |
| 10°-20° | 188.5 | 16.6 |
| 20°-30° | 236.6 | 20.9 |
| 30°-40° | 226.0 | 19.9 |
| 40°-50° | 183.8 | 16.2 |
| 50°-60° | 128.6 | 11.3 |
| 60°-70° | 72.6 | 6.4 |
| 70°-80° | 23.0 | 2.0 |
| 80°-90° | 1.8 | 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° | 498.2 | 43.9 |
| 0°-40° | 724.2 | 63.9 |
| 0°-60° | 1036.6 | 91.4 |
| 0°-90° | 1134.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1134.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 792 | 792 | 792 | 792 | 792 | |
| 5° | 777 | 778 | 780 | 778 | 781 | 73 |
| 15° | 670 | 671 | 675 | 677 | 681 | 187 |
| 25° | 502 | 508 | 516 | 525 | 529 | 230 |
| 35° | 345 | 350 | 363 | 370 | 374 | 216 |
| 45° | 225 | 231 | 241 | 245 | 248 | 175 |
| 55° | 139 | 141 | 146 | 144 | 142 | 125 |
| 65° | 68 | 72 | 77 | 73 | 70 | 68 |
| 75° | 22 | 22 | 21 | 18 | 17 | 24 |
| 85° | 1 | 1 | 0 | 0 | 0 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 792.1 | 792.1 | 792.1 | 792.1 | 792.1 |
| 1° | 790.7 | 792.1 | 793.5 | 790.7 | 792.1 |
| 2° | 789.3 | 790.7 | 790.7 | 789.3 | 792.1 |
| 3° | 786.5 | 787.9 | 787.9 | 786.5 | 789.3 |
| 4° | 782.3 | 783.7 | 783.7 | 782.3 | 785.1 |
| 5° | 776.7 | 778.1 | 779.5 | 778.1 | 780.9 |
| 6° | 771.0 | 772.4 | 773.8 | 772.4 | 773.8 |
| 7° | 762.6 | 765.4 | 765.4 | 765.4 | 768.2 |
| 8° | 754.1 | 757.0 | 758.4 | 757.0 | 759.8 |
| 9° | 745.7 | 747.1 | 748.5 | 748.5 | 751.3 |
| 10° | 735.8 | 737.3 | 737.3 | 738.7 | 741.5 |
| 11° | 724.6 | 724.6 | 727.4 | 727.4 | 731.6 |
| 12° | 710.5 | 711.9 | 714.7 | 716.2 | 719.0 |
| 13° | 697.9 | 699.3 | 702.1 | 703.5 | 707.7 |
| 14° | 683.8 | 686.6 | 689.4 | 690.8 | 695.0 |
| 15° | 669.7 | 671.1 | 675.3 | 676.8 | 681.0 |
| 17.5° | 630.3 | 631.7 | 638.8 | 641.6 | 645.8 |
| 20° | 588.1 | 592.3 | 599.4 | 603.6 | 607.8 |
| 22.5° | 544.5 | 548.7 | 557.2 | 564.2 | 567.0 |
| 25° | 502.3 | 507.9 | 516.4 | 524.8 | 529.0 |
| 27.5° | 460.1 | 465.7 | 475.6 | 484.0 | 489.6 |
| 30° | 419.3 | 424.9 | 436.2 | 443.2 | 448.8 |
| 32.5° | 381.3 | 386.9 | 399.6 | 406.6 | 410.8 |
| 35° | 344.7 | 350.3 | 363.0 | 370.0 | 374.3 |
| 37.5° | 312.3 | 318.0 | 329.2 | 336.3 | 339.1 |
| 40° | 278.6 | 285.6 | 296.9 | 303.9 | 306.7 |
| 42.5° | 250.4 | 256.1 | 267.3 | 273.0 | 277.2 |
| 45° | 225.1 | 230.7 | 240.6 | 244.8 | 247.6 |
| 47.5° | 202.6 | 205.4 | 213.9 | 215.3 | 218.1 |
| 50° | 180.1 | 182.9 | 188.5 | 189.9 | 188.5 |
| 52.5° | 159.0 | 161.8 | 166.0 | 164.6 | 164.6 |
| 55° | 139.3 | 140.7 | 146.3 | 143.5 | 142.1 |
| 57.5° | 119.6 | 122.4 | 128.0 | 123.8 | 122.4 |
| 60° | 102.7 | 105.5 | 109.7 | 106.9 | 104.1 |
| 62.5° | 85.8 | 87.2 | 94.3 | 88.6 | 85.8 |
| 65° | 67.5 | 71.8 | 77.4 | 73.2 | 70.3 |
| 67.5° | 50.7 | 57.7 | 63.3 | 57.7 | 54.9 |
| 70° | 39.4 | 42.2 | 46.4 | 43.6 | 39.4 |
| 72.5° | 29.5 | 31.0 | 32.4 | 29.5 | 26.7 |
| 75° | 22.5 | 22.5 | 21.1 | 18.3 | 16.9 |
| 77.5° | 15.5 | 15.5 | 12.7 | 8.4 | 8.4 |
| 80° | 9.8 | 9.8 | 7.0 | 2.8 | 2.8 |
| 82.5° | 4.2 | 4.2 | 2.8 | 1.4 | 1.4 |
| 85° | 1.4 | 1.4 | 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)