

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: P1325640

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCLDWWR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R70W2N902750DE010 3LSQCLDWWR1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
3LSQCLDWWR1MW TRIM
Light Source: -
Ballast/Driver: -

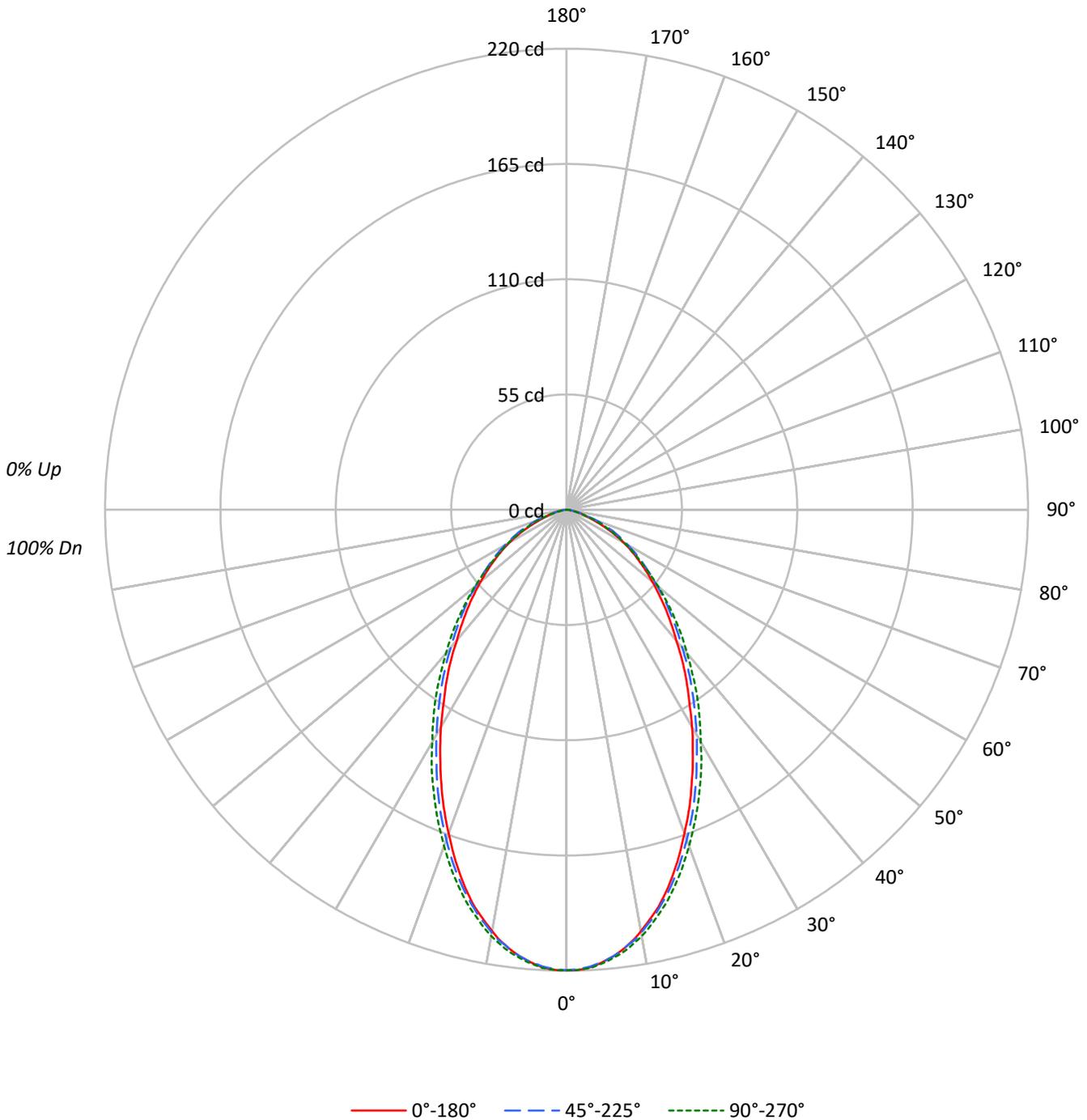
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 330.0 lumens
Efficiency: N/A
Efficacy: 55.9 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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 | 107 | 104 | 101 | 109 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 89 |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 84 | 81 | 85 | 82 | 80 | 78 |
| 3 | 95 | 87 | 80 | 75 | 93 | 85 | 79 | 74 | 82 | 77 | 73 | 80 | 75 | 71 | 77 | 74 | 70 | 68 |
| 4 | 89 | 78 | 71 | 65 | 87 | 77 | 70 | 65 | 75 | 69 | 64 | 73 | 67 | 63 | 71 | 66 | 62 | 61 |
| 5 | 83 | 71 | 64 | 58 | 81 | 70 | 63 | 58 | 68 | 62 | 57 | 67 | 61 | 57 | 65 | 60 | 56 | 54 |
| 6 | 77 | 65 | 58 | 52 | 75 | 64 | 57 | 52 | 63 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 51 | 49 |
| 7 | 72 | 60 | 52 | 47 | 70 | 59 | 52 | 47 | 58 | 51 | 47 | 57 | 51 | 46 | 55 | 50 | 46 | 44 |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 47 | 42 | 53 | 47 | 42 | 51 | 46 | 42 | 40 |
| 9 | 64 | 52 | 44 | 39 | 62 | 51 | 44 | 39 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 37 |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 37855 | 37855 | 37855 |
| 5° | 37308 | 37308 | 37446 |
| 10° | 35710 | 35850 | 36130 |
| 15° | 33288 | 33574 | 34001 |
| 20° | 30112 | 30699 | 31285 |
| 25° | 26908 | 27668 | 28428 |
| 30° | 23804 | 24659 | 25455 |
| 35° | 20961 | 21887 | 22812 |
| 40° | 18300 | 19290 | 20076 |
| 45° | 16221 | 17098 | 17682 |
| 50° | 14308 | 15058 | 15272 |
| 55° | 12581 | 13302 | 12941 |
| 60° | 10850 | 11677 | 11126 |
| 65° | 8599 | 10066 | 9088 |
| 70° | 6244 | 7855 | 6848 |
| 75° | 4791 | 5057 | 4259 |
| 80° | 3174 | 3174 | 2380 |
| 85° | 1581 | 1581 | 1581 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 17682 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 20.3 | 6.1 |
| 10°-20° | 52.6 | 15.9 |
| 20°-30° | 66.8 | 20.3 |
| 30°-40° | 65.0 | 19.7 |
| 40°-50° | 54.1 | 16.4 |
| 50°-60° | 39.0 | 11.8 |
| 60°-70° | 22.9 | 6.9 |
| 70°-80° | 8.1 | 2.5 |
| 80°-90° | 1.2 | 0.4 |
| 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° | 139.7 | 42.3 |
| 0°-40° | 204.7 | 62.0 |
| 0°-60° | 297.7 | 90.2 |
| 0°-90° | 330.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 330.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 220 | 220 | 220 | 220 | 220 | |
| 5° | 216 | 215 | 216 | 216 | 217 | 20 |
| 15° | 187 | 187 | 188 | 190 | 191 | 52 |
| 25° | 142 | 143 | 146 | 148 | 150 | 65 |
| 35° | 100 | 101 | 104 | 107 | 108 | 62 |
| 45° | 67 | 68 | 70 | 72 | 73 | 52 |
| 55° | 42 | 43 | 44 | 44 | 43 | 38 |
| 65° | 21 | 23 | 25 | 24 | 22 | 21 |
| 75° | 7 | 8 | 8 | 7 | 6 | 8 |
| 85° | 1 | 1 | 1 | 1 | 1 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 219.8 | 219.8 | 219.8 | 219.8 | 219.8 |
| 1° | 219.8 | 219.4 | 219.4 | 219.4 | 219.8 |
| 2° | 219.4 | 219.0 | 219.0 | 219.0 | 219.4 |
| 3° | 218.6 | 218.2 | 218.2 | 218.2 | 219.0 |
| 4° | 217.4 | 216.6 | 217.0 | 217.0 | 217.8 |
| 5° | 215.8 | 215.4 | 215.8 | 215.8 | 216.6 |
| 6° | 214.2 | 213.8 | 214.2 | 214.2 | 215.0 |
| 7° | 212.2 | 211.8 | 212.2 | 212.6 | 213.4 |
| 8° | 209.8 | 209.4 | 209.8 | 210.2 | 211.4 |
| 9° | 207.4 | 207.0 | 207.8 | 208.2 | 209.0 |
| 10° | 204.2 | 204.2 | 205.0 | 205.4 | 206.6 |
| 11° | 201.0 | 201.0 | 201.8 | 202.6 | 203.8 |
| 12° | 197.8 | 197.8 | 199.0 | 199.8 | 200.6 |
| 13° | 194.6 | 194.2 | 195.4 | 196.2 | 197.4 |
| 14° | 190.7 | 190.3 | 191.9 | 193.1 | 194.2 |
| 15° | 186.7 | 186.7 | 188.3 | 189.5 | 190.7 |
| 17.5° | 175.9 | 176.3 | 178.3 | 179.9 | 181.1 |
| 20° | 164.3 | 165.5 | 167.5 | 169.5 | 170.7 |
| 22.5° | 153.2 | 154.0 | 156.8 | 159.1 | 160.3 |
| 25° | 141.6 | 143.2 | 145.6 | 148.4 | 149.6 |
| 27.5° | 130.4 | 132.0 | 134.4 | 137.2 | 139.2 |
| 30° | 119.7 | 120.9 | 124.0 | 126.8 | 128.0 |
| 32.5° | 108.9 | 110.5 | 113.7 | 116.5 | 118.1 |
| 35° | 99.7 | 100.9 | 104.1 | 106.9 | 108.5 |
| 37.5° | 90.5 | 91.7 | 94.9 | 97.3 | 98.5 |
| 40° | 81.4 | 83.4 | 85.8 | 88.1 | 89.3 |
| 42.5° | 73.8 | 75.4 | 77.8 | 79.8 | 81.0 |
| 45° | 66.6 | 67.8 | 70.2 | 71.8 | 72.6 |
| 47.5° | 59.8 | 61.0 | 63.4 | 64.2 | 64.6 |
| 50° | 53.4 | 54.6 | 56.2 | 56.6 | 57.0 |
| 52.5° | 47.5 | 48.3 | 49.9 | 49.9 | 49.5 |
| 55° | 41.9 | 43.1 | 44.3 | 43.9 | 43.1 |
| 57.5° | 36.7 | 37.1 | 39.1 | 38.3 | 37.5 |
| 60° | 31.5 | 32.3 | 33.9 | 33.1 | 32.3 |
| 62.5° | 26.3 | 27.1 | 29.1 | 28.3 | 27.1 |
| 65° | 21.1 | 22.7 | 24.7 | 23.5 | 22.3 |
| 67.5° | 16.0 | 17.9 | 19.9 | 18.7 | 17.9 |
| 70° | 12.4 | 14.0 | 15.6 | 14.4 | 13.6 |
| 72.5° | 9.6 | 10.4 | 11.2 | 10.4 | 9.6 |
| 75° | 7.2 | 7.6 | 7.6 | 6.8 | 6.4 |
| 77.5° | 5.2 | 5.6 | 4.8 | 4.0 | 4.0 |
| 80° | 3.2 | 3.6 | 3.2 | 2.4 | 2.4 |
| 82.5° | 1.6 | 2.0 | 1.6 | 1.6 | 1.6 |
| 85° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 87.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |



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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)