

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: P1325636

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCLDWWR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325636
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 3LSQCLDWR1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
3LSQCLDWR1MW TRIM
Light Source: -
Ballast/Driver: -

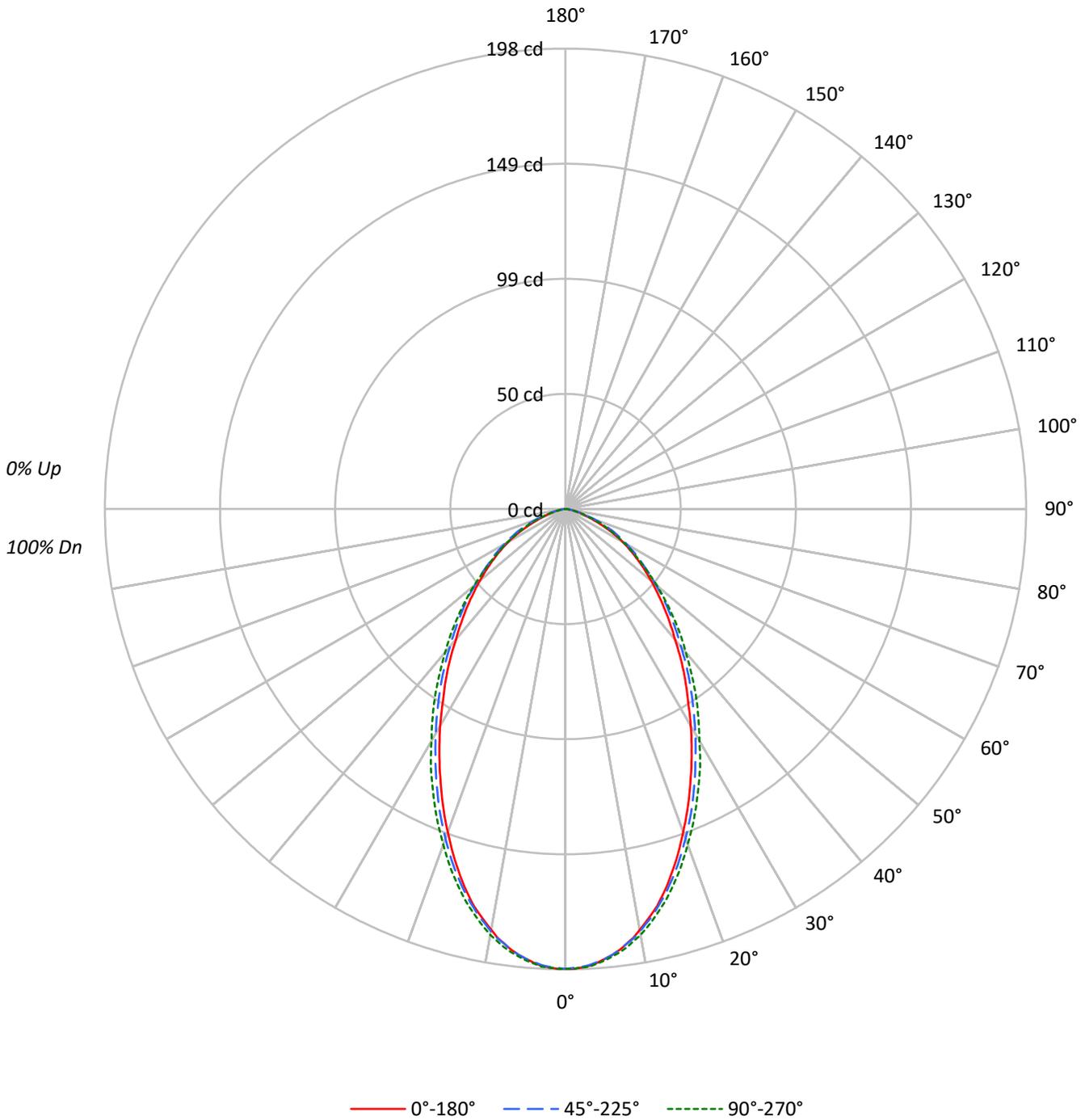
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 297.0 lumens
Efficiency: N/A
Efficacy: 50.3 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





TEST NUMBER: P1325636

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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 | 100 | 100 | 100 | 100 |
| 1 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 89 | 89 | 89 | 89 |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 84 | 81 | 85 | 82 | 80 | 78 | 78 | 78 | 78 |
| 3 | 95 | 87 | 80 | 75 | 93 | 85 | 79 | 74 | 82 | 77 | 73 | 80 | 75 | 71 | 77 | 74 | 70 | 68 | 68 | 68 | 68 |
| 4 | 89 | 78 | 71 | 65 | 87 | 77 | 70 | 65 | 75 | 69 | 64 | 73 | 67 | 63 | 71 | 66 | 62 | 61 | 61 | 61 | 61 |
| 5 | 83 | 71 | 64 | 58 | 81 | 70 | 63 | 58 | 68 | 62 | 57 | 67 | 61 | 57 | 65 | 60 | 56 | 54 | 54 | 54 | 54 |
| 6 | 77 | 65 | 58 | 52 | 75 | 64 | 57 | 52 | 63 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 51 | 49 | 49 | 49 | 49 |
| 7 | 72 | 60 | 52 | 47 | 70 | 59 | 52 | 47 | 58 | 51 | 47 | 57 | 51 | 46 | 55 | 50 | 46 | 44 | 44 | 44 | 44 |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 47 | 42 | 53 | 47 | 42 | 51 | 46 | 42 | 40 | 40 | 40 | 40 |
| 9 | 64 | 52 | 44 | 39 | 62 | 51 | 44 | 39 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 37 | 37 | 37 | 37 |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 | 34 | 34 | 34 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 34066 | 34066 | 34066 |
| 5° | 33573 | 33573 | 33694 |
| 10° | 32143 | 32265 | 32528 |
| 15° | 29954 | 30204 | 30596 |
| 20° | 27106 | 27638 | 28151 |
| 25° | 24209 | 24893 | 25578 |
| 30° | 21418 | 22193 | 22909 |
| 35° | 18859 | 19700 | 20520 |
| 40° | 16457 | 17356 | 18076 |
| 45° | 14589 | 15393 | 15904 |
| 50° | 12887 | 13557 | 13745 |
| 55° | 11320 | 11950 | 11650 |
| 60° | 9782 | 10506 | 10023 |
| 65° | 7743 | 9088 | 8191 |
| 70° | 5589 | 7050 | 6143 |
| 75° | 4325 | 4525 | 3793 |
| 80° | 2876 | 2876 | 2182 |
| 85° | 1383 | 1383 | 1383 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 15904 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 18.2 | 6.1 |
| 10°-20° | 47.3 | 15.9 |
| 20°-30° | 60.1 | 20.3 |
| 30°-40° | 58.5 | 19.7 |
| 40°-50° | 48.6 | 16.4 |
| 50°-60° | 35.1 | 11.8 |
| 60°-70° | 20.7 | 7.0 |
| 70°-80° | 7.3 | 2.5 |
| 80°-90° | 1.1 | 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° | 125.7 | 42.3 |
| 0°-40° | 184.2 | 62.0 |
| 0°-60° | 268.0 | 90.2 |
| 0°-90° | 297.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 297.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 198 | 198 | 198 | 198 | 198 | |
| 5° | 194 | 194 | 194 | 194 | 195 | 18 |
| 15° | 168 | 168 | 169 | 170 | 172 | 47 |
| 25° | 127 | 129 | 131 | 134 | 135 | 59 |
| 35° | 90 | 91 | 94 | 96 | 98 | 56 |
| 45° | 60 | 61 | 63 | 65 | 65 | 46 |
| 55° | 38 | 39 | 40 | 40 | 39 | 34 |
| 65° | 19 | 20 | 22 | 21 | 20 | 19 |
| 75° | 6 | 7 | 7 | 6 | 6 | 7 |
| 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° | 197.8 | 197.8 | 197.8 | 197.8 | 197.8 |
| 1° | 197.8 | 197.4 | 197.4 | 197.4 | 197.8 |
| 2° | 197.4 | 197.1 | 197.1 | 197.1 | 197.4 |
| 3° | 196.7 | 196.4 | 196.4 | 196.4 | 197.1 |
| 4° | 195.6 | 194.9 | 195.3 | 195.3 | 196.0 |
| 5° | 194.2 | 193.8 | 194.2 | 194.2 | 194.9 |
| 6° | 192.8 | 192.4 | 192.8 | 192.8 | 193.5 |
| 7° | 191.0 | 190.6 | 191.0 | 191.3 | 192.1 |
| 8° | 188.8 | 188.5 | 188.8 | 189.2 | 190.3 |
| 9° | 186.7 | 186.3 | 187.0 | 187.4 | 188.1 |
| 10° | 183.8 | 183.8 | 184.5 | 184.9 | 186.0 |
| 11° | 180.9 | 180.9 | 181.6 | 182.4 | 183.4 |
| 12° | 178.1 | 178.1 | 179.1 | 179.8 | 180.6 |
| 13° | 175.2 | 174.8 | 175.9 | 176.6 | 177.7 |
| 14° | 171.6 | 171.2 | 172.7 | 173.7 | 174.8 |
| 15° | 168.0 | 168.0 | 169.4 | 170.5 | 171.6 |
| 17.5° | 158.3 | 158.7 | 160.5 | 161.9 | 163.0 |
| 20° | 147.9 | 149.0 | 150.8 | 152.6 | 153.6 |
| 22.5° | 137.8 | 138.6 | 141.1 | 143.2 | 144.3 |
| 25° | 127.4 | 128.9 | 131.0 | 133.5 | 134.6 |
| 27.5° | 117.4 | 118.8 | 121.0 | 123.5 | 125.3 |
| 30° | 107.7 | 108.8 | 111.6 | 114.2 | 115.2 |
| 32.5° | 98.0 | 99.4 | 102.3 | 104.8 | 106.3 |
| 35° | 89.7 | 90.8 | 93.7 | 96.2 | 97.6 |
| 37.5° | 81.5 | 82.6 | 85.4 | 87.6 | 88.7 |
| 40° | 73.2 | 75.0 | 77.2 | 79.3 | 80.4 |
| 42.5° | 66.4 | 67.8 | 70.0 | 71.8 | 72.9 |
| 45° | 59.9 | 61.0 | 63.2 | 64.6 | 65.3 |
| 47.5° | 53.8 | 54.9 | 57.1 | 57.8 | 58.2 |
| 50° | 48.1 | 49.2 | 50.6 | 51.0 | 51.3 |
| 52.5° | 42.7 | 43.4 | 44.9 | 44.9 | 44.5 |
| 55° | 37.7 | 38.8 | 39.8 | 39.5 | 38.8 |
| 57.5° | 33.0 | 33.4 | 35.2 | 34.5 | 33.7 |
| 60° | 28.4 | 29.1 | 30.5 | 29.8 | 29.1 |
| 62.5° | 23.7 | 24.4 | 26.2 | 25.5 | 24.4 |
| 65° | 19.0 | 20.5 | 22.3 | 21.2 | 20.1 |
| 67.5° | 14.4 | 16.2 | 17.9 | 16.9 | 16.2 |
| 70° | 11.1 | 12.6 | 14.0 | 12.9 | 12.2 |
| 72.5° | 8.6 | 9.3 | 10.1 | 9.3 | 8.6 |
| 75° | 6.5 | 6.8 | 6.8 | 6.1 | 5.7 |
| 77.5° | 4.7 | 5.0 | 4.3 | 3.6 | 3.6 |
| 80° | 2.9 | 3.2 | 2.9 | 2.2 | 2.2 |
| 82.5° | 1.4 | 1.8 | 1.4 | 1.4 | 1.4 |
| 85° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 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)