

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: P1317358

Luminaire Tested: LDSQA3D09R359827DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317358
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359827DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

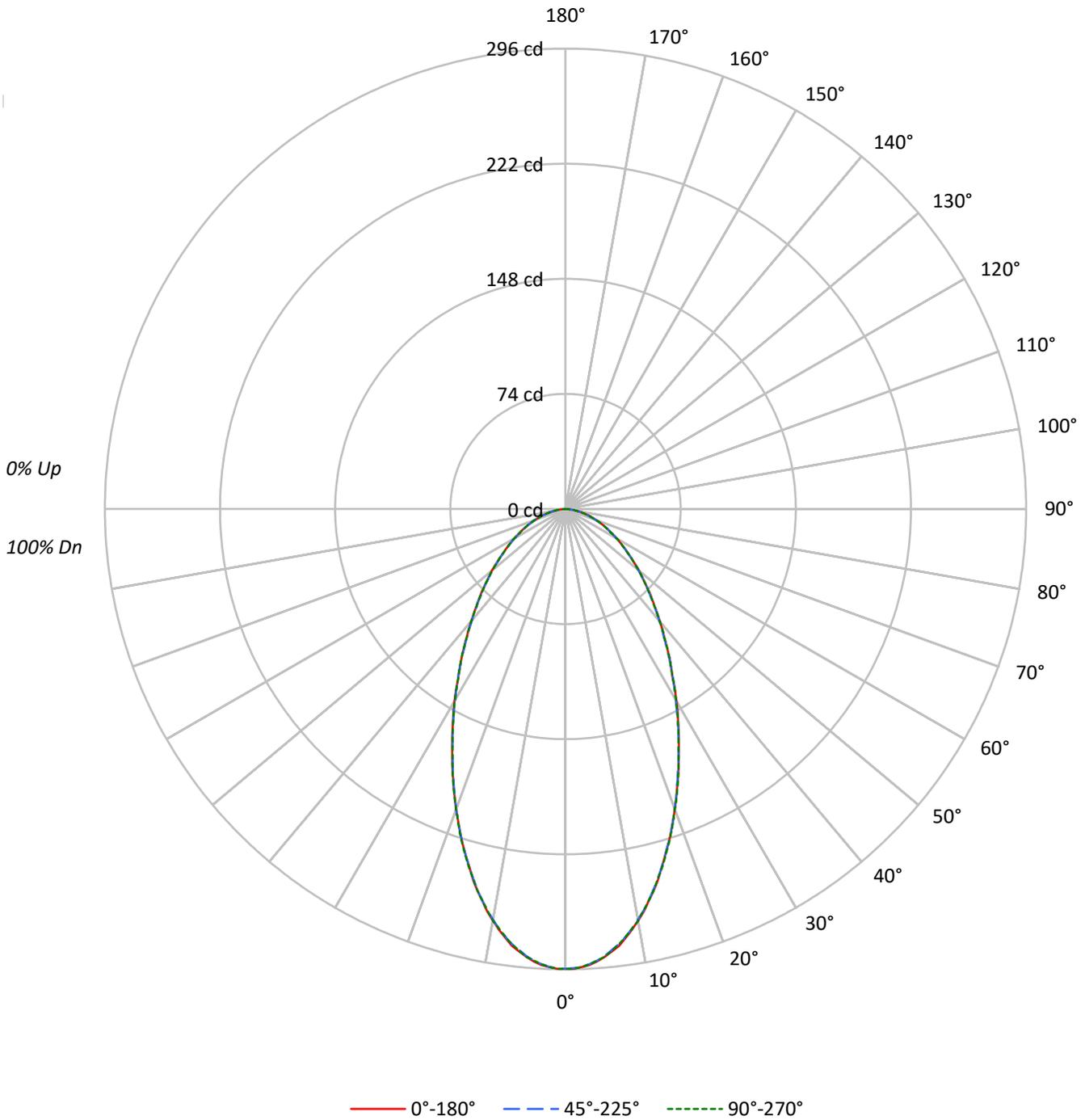
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 395.0 lumens
Efficiency: N/A
Efficacy: 35.9 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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

TEST NUMBER: P1317358
CATALOG NUMBER: LDSQA3D09R359827DE010 3LSQPHRLD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1317358

CATALOG NUMBER: LDSQA3D09R359827DE010 3LSQPHRLD1MW

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 | 102 | 100 | |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99 | 100 | 98 | 95 | 97 | 95 | 93 | 93 | 91 | 90 | 90 | 88 | |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 90 | 86 | 82 | 87 | 84 | 81 | 84 | 81 | 79 | 79 | 77 | |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 70 | 68 | |
| 4 | 88 | 78 | 71 | 65 | 86 | 77 | 70 | 65 | 75 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 62 | 62 | 60 | |
| 5 | 82 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 56 | 65 | 60 | 56 | 56 | 54 | |
| 6 | 77 | 65 | 58 | 52 | 75 | 65 | 57 | 52 | 63 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 51 | 51 | 49 | |
| 7 | 72 | 60 | 53 | 47 | 71 | 60 | 52 | 47 | 58 | 52 | 47 | 57 | 51 | 46 | 55 | 50 | 46 | 46 | 44 | |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 47 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 42 | 41 | |
| 9 | 64 | 52 | 45 | 40 | 63 | 51 | 44 | 40 | 50 | 44 | 39 | 49 | 44 | 39 | 48 | 43 | 39 | 39 | 38 | |
| 10 | 60 | 49 | 42 | 37 | 59 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 36 | 45 | 40 | 36 | 36 | 35 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 50926 | 50926 | 50926 |
| 5° | 49962 | 49876 | 49962 |
| 10° | 46990 | 46885 | 46990 |
| 15° | 42542 | 42542 | 42631 |
| 20° | 37645 | 37645 | 37645 |
| 25° | 32742 | 32647 | 32647 |
| 30° | 28378 | 28179 | 28279 |
| 35° | 24430 | 24325 | 24430 |
| 40° | 21201 | 21088 | 21201 |
| 45° | 18632 | 18511 | 18511 |
| 50° | 16531 | 16397 | 16397 |
| 55° | 14533 | 14533 | 14533 |
| 60° | 13158 | 12986 | 13158 |
| 65° | 11859 | 11859 | 11859 |
| 70° | 10524 | 10524 | 10524 |
| 75° | 9515 | 9183 | 9515 |
| 80° | 8133 | 8133 | 8133 |
| 85° | 4940 | 4940 | 4940 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18632 cd/sqm



TEST NUMBER: P1317358

CATALOG NUMBER: LDSQA3D09R359827DE010 3LSQPHRLD1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 26.9 | 6.8 |
| 10°-20° | 66.5 | 16.8 |
| 20°-30° | 79.1 | 20.0 |
| 30°-40° | 72.7 | 18.4 |
| 40°-50° | 59.0 | 14.9 |
| 50°-60° | 43.6 | 11.0 |
| 60°-70° | 28.9 | 7.3 |
| 70°-80° | 14.9 | 3.8 |
| 80°-90° | 3.3 | 0.8 |
| 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° | 172.5 | 43.7 |
| 0°-40° | 245.2 | 62.1 |
| 0°-60° | 347.8 | 88.1 |
| 0°-90° | 395.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 395.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 296 | 296 | 296 | 296 | 296 | |
| 5° | 289 | 288 | 288 | 288 | 289 | 27 |
| 15° | 239 | 239 | 239 | 239 | 239 | 67 |
| 25° | 172 | 172 | 172 | 172 | 172 | 79 |
| 35° | 116 | 116 | 116 | 116 | 116 | 73 |
| 45° | 76 | 76 | 76 | 76 | 76 | 59 |
| 55° | 48 | 48 | 48 | 48 | 48 | 44 |
| 65° | 29 | 29 | 29 | 29 | 29 | 29 |
| 75° | 14 | 14 | 14 | 14 | 14 | 15 |
| 85° | 2 | 2 | 2 | 2 | 2 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1317358

CATALOG NUMBER: LDSQA3D09R359827DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 295.7 | 295.7 | 295.7 | 295.7 | 295.7 |
| 1° | 295.7 | 295.2 | 295.2 | 295.2 | 295.7 |
| 2° | 294.7 | 294.7 | 294.7 | 294.7 | 294.7 |
| 3° | 293.6 | 293.1 | 293.1 | 293.1 | 293.1 |
| 4° | 291.6 | 291.1 | 291.1 | 291.1 | 291.1 |
| 5° | 289.0 | 288.5 | 288.5 | 288.5 | 289.0 |
| 6° | 286.0 | 285.5 | 285.0 | 285.0 | 285.5 |
| 7° | 282.9 | 281.9 | 281.9 | 281.9 | 281.9 |
| 8° | 278.3 | 277.8 | 277.8 | 277.8 | 277.8 |
| 9° | 273.8 | 272.7 | 273.2 | 273.2 | 273.2 |
| 10° | 268.7 | 268.1 | 268.1 | 268.1 | 268.7 |
| 11° | 263.6 | 263.0 | 263.0 | 262.5 | 263.0 |
| 12° | 257.4 | 257.4 | 257.4 | 257.4 | 257.4 |
| 13° | 251.8 | 251.3 | 251.3 | 251.3 | 251.8 |
| 14° | 245.7 | 245.2 | 245.2 | 245.2 | 245.2 |
| 15° | 238.6 | 238.6 | 238.6 | 238.6 | 239.1 |
| 17.5° | 222.3 | 221.8 | 222.3 | 222.3 | 222.8 |
| 20° | 205.4 | 204.9 | 205.4 | 205.4 | 205.4 |
| 22.5° | 188.6 | 188.6 | 188.1 | 188.6 | 189.1 |
| 25° | 172.3 | 171.8 | 171.8 | 172.3 | 171.8 |
| 27.5° | 157.0 | 156.5 | 156.5 | 156.5 | 156.5 |
| 30° | 142.7 | 141.7 | 141.7 | 142.2 | 142.2 |
| 32.5° | 128.0 | 128.0 | 128.5 | 128.0 | 128.0 |
| 35° | 116.2 | 115.7 | 115.7 | 116.2 | 116.2 |
| 37.5° | 104.5 | 104.0 | 104.0 | 104.5 | 104.5 |
| 40° | 94.3 | 94.3 | 93.8 | 94.3 | 94.3 |
| 42.5° | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| 45° | 76.5 | 76.0 | 76.0 | 76.0 | 76.0 |
| 47.5° | 68.3 | 68.3 | 68.3 | 67.8 | 68.3 |
| 50° | 61.7 | 61.2 | 61.2 | 61.2 | 61.2 |
| 52.5° | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 55° | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 |
| 57.5° | 43.3 | 42.8 | 42.8 | 42.8 | 42.8 |
| 60° | 38.2 | 38.2 | 37.7 | 38.2 | 38.2 |
| 62.5° | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 |
| 65° | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 |
| 67.5° | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 70° | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 |
| 72.5° | 17.8 | 17.3 | 17.3 | 17.3 | 17.3 |
| 75° | 14.3 | 14.3 | 13.8 | 14.3 | 14.3 |
| 77.5° | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 80° | 8.2 | 8.2 | 8.2 | 7.6 | 8.2 |
| 82.5° | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 85° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 87.5° | 0.5 | 0.5 | 0.5 | 1.0 | 1.0 |



TEST NUMBER: P1317358

CATALOG NUMBER: LDSQA3D09R359827DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)