

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: P1317213

Luminaire Tested: LDSQA3D05R359827DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317213
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R359827DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

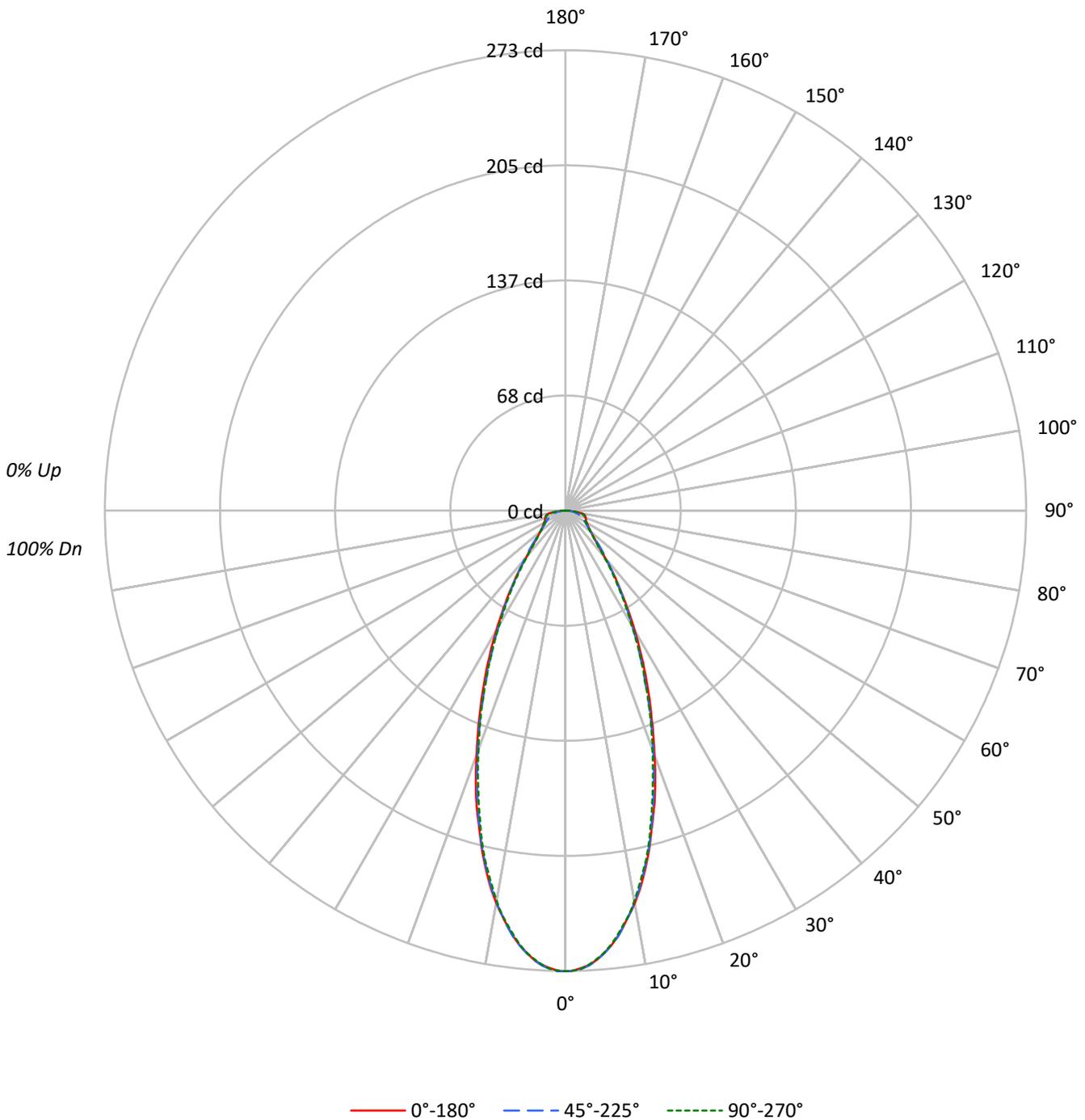
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 226.0 lumens
Efficiency: N/A
Efficacy: 31.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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





TEST NUMBER: P1317213

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 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 | 102 | 102 | 102 | 100 |
| 1 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99 | 101 | 99 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 91 | 91 | 91 | 89 |
| 2 | 104 | 98 | 92 | 88 | 101 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 84 | 81 | 81 | 81 | 81 | 79 |
| 3 | 97 | 89 | 83 | 78 | 95 | 88 | 82 | 77 | 85 | 80 | 76 | 82 | 78 | 75 | 80 | 77 | 74 | 74 | 74 | 74 | 72 |
| 4 | 92 | 82 | 75 | 70 | 90 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 67 | 67 | 67 | 65 |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 69 | 64 | 73 | 68 | 63 | 72 | 67 | 63 | 70 | 65 | 62 | 62 | 62 | 62 | 60 |
| 6 | 82 | 71 | 64 | 59 | 80 | 70 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 58 | 66 | 61 | 57 | 57 | 57 | 57 | 56 |
| 7 | 77 | 66 | 60 | 55 | 76 | 66 | 59 | 54 | 64 | 58 | 54 | 63 | 58 | 54 | 62 | 57 | 54 | 54 | 54 | 54 | 52 |
| 8 | 73 | 62 | 56 | 51 | 72 | 62 | 55 | 51 | 61 | 55 | 51 | 60 | 54 | 50 | 59 | 54 | 50 | 50 | 50 | 50 | 49 |
| 9 | 70 | 59 | 52 | 48 | 68 | 58 | 52 | 48 | 57 | 52 | 47 | 56 | 51 | 47 | 55 | 51 | 47 | 47 | 47 | 47 | 46 |
| 10 | 66 | 56 | 49 | 45 | 65 | 55 | 49 | 45 | 54 | 49 | 45 | 53 | 48 | 45 | 53 | 48 | 44 | 44 | 44 | 44 | 43 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 47051 | 47051 | 47051 |
| 5° | 45502 | 45554 | 45502 |
| 10° | 41324 | 41272 | 41097 |
| 15° | 35089 | 34964 | 34661 |
| 20° | 28243 | 27876 | 27620 |
| 25° | 21834 | 21188 | 21188 |
| 30° | 16287 | 15730 | 15591 |
| 35° | 11711 | 11563 | 11290 |
| 40° | 8206 | 8431 | 7891 |
| 45° | 6113 | 6454 | 5943 |
| 50° | 5251 | 5251 | 5171 |
| 55° | 4954 | 4744 | 4864 |
| 60° | 5098 | 4616 | 4857 |
| 65° | 5461 | 4646 | 5338 |
| 70° | 6395 | 4834 | 6244 |
| 75° | 7985 | 5057 | 7785 |
| 80° | 10215 | 5455 | 9224 |
| 85° | 8102 | 5533 | 8102 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 10215 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 24.3 | 10.7 |
| 10°-20° | 54.1 | 24.0 |
| 20°-30° | 51.7 | 22.9 |
| 30°-40° | 34.7 | 15.4 |
| 40°-50° | 20.4 | 9.0 |
| 50°-60° | 14.6 | 6.4 |
| 60°-70° | 12.1 | 5.4 |
| 70°-80° | 10.0 | 4.4 |
| 80°-90° | 4.1 | 1.8 |
| 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° | 130.1 | 57.6 |
| 0°-40° | 164.8 | 72.9 |
| 0°-60° | 199.8 | 88.4 |
| 0°-90° | 226.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 226.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 273 | 273 | 273 | 273 | 273 | |
| 5° | 263 | 264 | 264 | 263 | 263 | 24 |
| 15° | 197 | 197 | 196 | 195 | 194 | 55 |
| 25° | 115 | 114 | 112 | 112 | 112 | 53 |
| 35° | 56 | 56 | 55 | 54 | 54 | 35 |
| 45° | 25 | 26 | 26 | 25 | 24 | 20 |
| 55° | 16 | 16 | 16 | 16 | 16 | 15 |
| 65° | 13 | 12 | 11 | 12 | 13 | 13 |
| 75° | 12 | 9 | 8 | 9 | 12 | 13 |
| 85° | 4 | 4 | 3 | 4 | 4 | 5 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CATALOG NUMBER: LDSQA3D05R359827DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 273.2 | 273.2 | 273.2 | 273.2 | 273.2 |
| 1° | 272.8 | 273.2 | 273.2 | 272.8 | 272.8 |
| 2° | 271.4 | 272.1 | 271.8 | 271.4 | 271.8 |
| 3° | 269.7 | 270.4 | 270.1 | 269.7 | 269.4 |
| 4° | 267.0 | 267.7 | 267.3 | 266.6 | 266.6 |
| 5° | 263.2 | 263.9 | 263.5 | 263.2 | 263.2 |
| 6° | 259.4 | 260.1 | 259.4 | 258.7 | 258.7 |
| 7° | 254.2 | 255.3 | 254.6 | 253.9 | 253.5 |
| 8° | 248.4 | 249.4 | 248.7 | 248.4 | 247.7 |
| 9° | 242.5 | 243.2 | 242.2 | 242.2 | 242.2 |
| 10° | 236.3 | 236.7 | 236.0 | 235.0 | 235.0 |
| 11° | 229.5 | 229.1 | 228.8 | 228.1 | 227.4 |
| 12° | 221.9 | 221.9 | 220.9 | 220.2 | 219.8 |
| 13° | 214.0 | 213.6 | 213.0 | 212.3 | 212.3 |
| 14° | 205.7 | 205.7 | 205.0 | 203.7 | 204.0 |
| 15° | 196.8 | 197.1 | 196.1 | 194.7 | 194.4 |
| 17.5° | 176.5 | 175.8 | 174.1 | 173.0 | 172.0 |
| 20° | 154.1 | 153.8 | 152.1 | 151.0 | 150.7 |
| 22.5° | 133.5 | 133.1 | 131.4 | 130.4 | 131.1 |
| 25° | 114.9 | 113.5 | 111.5 | 111.5 | 111.5 |
| 27.5° | 97.7 | 96.0 | 94.6 | 93.9 | 94.6 |
| 30° | 81.9 | 80.5 | 79.1 | 78.8 | 78.4 |
| 32.5° | 67.8 | 67.1 | 66.4 | 65.4 | 65.4 |
| 35° | 55.7 | 55.7 | 55.0 | 54.0 | 53.7 |
| 37.5° | 45.4 | 45.8 | 45.4 | 44.4 | 44.0 |
| 40° | 36.5 | 37.2 | 37.5 | 36.5 | 35.1 |
| 42.5° | 29.9 | 31.0 | 31.7 | 29.9 | 28.9 |
| 45° | 25.1 | 25.8 | 26.5 | 25.1 | 24.4 |
| 47.5° | 22.0 | 22.4 | 22.7 | 21.7 | 21.3 |
| 50° | 19.6 | 19.6 | 19.6 | 19.3 | 19.3 |
| 52.5° | 17.9 | 17.9 | 17.5 | 17.2 | 17.2 |
| 55° | 16.5 | 16.2 | 15.8 | 15.8 | 16.2 |
| 57.5° | 15.5 | 15.1 | 14.4 | 14.8 | 15.1 |
| 60° | 14.8 | 14.1 | 13.4 | 13.8 | 14.1 |
| 62.5° | 13.8 | 13.1 | 12.4 | 12.7 | 13.4 |
| 65° | 13.4 | 12.0 | 11.4 | 12.0 | 13.1 |
| 67.5° | 13.1 | 11.4 | 10.3 | 11.4 | 12.7 |
| 70° | 12.7 | 10.7 | 9.6 | 10.7 | 12.4 |
| 72.5° | 12.4 | 10.0 | 8.6 | 10.0 | 12.0 |
| 75° | 12.0 | 9.3 | 7.6 | 9.3 | 11.7 |
| 77.5° | 11.4 | 8.6 | 6.5 | 8.6 | 10.7 |
| 80° | 10.3 | 7.9 | 5.5 | 7.6 | 9.3 |
| 82.5° | 7.6 | 6.5 | 4.5 | 6.5 | 6.9 |
| 85° | 4.1 | 4.5 | 2.8 | 4.5 | 4.1 |
| 87.5° | 0.3 | 0.7 | 0.7 | 2.1 | 1.4 |



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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)