

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: P1324748

Luminaire Tested: LDSQA3D05R30W2N902750DE010 3LSQPHRLP1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324748
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R30W2N902750DE010 3LSQPHRLP1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

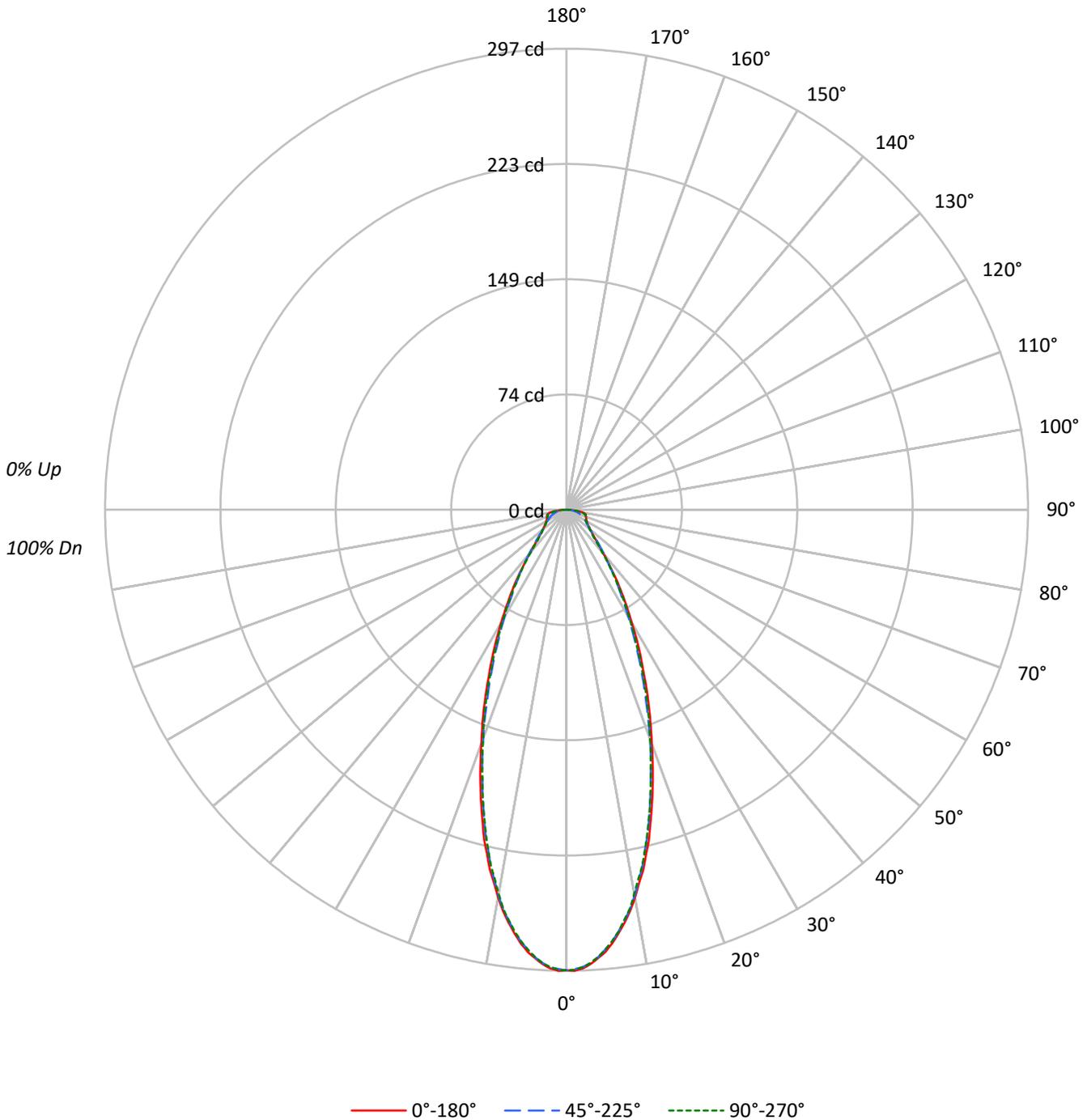
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 234.0 lumens
Efficiency: N/A
Efficacy: 39.7 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
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: P1324748

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 51098 | 51098 | 51098 |
| 5° | 49444 | 49202 | 49202 |
| 10° | 44367 | 44122 | 43930 |
| 15° | 37193 | 36622 | 36551 |
| 20° | 29361 | 28774 | 28774 |
| 25° | 22480 | 21587 | 22005 |
| 30° | 16685 | 15830 | 16188 |
| 35° | 12047 | 11521 | 11606 |
| 40° | 8296 | 8453 | 8049 |
| 45° | 6186 | 6454 | 5943 |
| 50° | 5385 | 5278 | 5278 |
| 55° | 5044 | 4834 | 4954 |
| 60° | 5201 | 4822 | 5063 |
| 65° | 5705 | 4809 | 5542 |
| 70° | 6697 | 4884 | 6496 |
| 75° | 8584 | 5257 | 8318 |
| 80° | 10711 | 5653 | 9918 |
| 85° | 8497 | 5730 | 7707 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 10711 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 26.2 | 11.2 |
| 10°-20° | 56.9 | 24.3 |
| 20°-30° | 53.0 | 22.7 |
| 30°-40° | 35.2 | 15.0 |
| 40°-50° | 20.5 | 8.7 |
| 50°-60° | 14.9 | 6.4 |
| 60°-70° | 12.6 | 5.4 |
| 70°-80° | 10.4 | 4.5 |
| 80°-90° | 4.3 | 1.9 |
| 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° | 136.1 | 58.1 |
| 0°-40° | 171.3 | 73.2 |
| 0°-60° | 206.6 | 88.3 |
| 0°-90° | 234.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 234.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 297 | 297 | 297 | 297 | 297 | |
| 5° | 286 | 286 | 285 | 285 | 285 | 26 |
| 15° | 209 | 206 | 205 | 205 | 205 | 58 |
| 25° | 118 | 116 | 114 | 114 | 116 | 55 |
| 35° | 57 | 56 | 55 | 55 | 55 | 36 |
| 45° | 25 | 26 | 26 | 25 | 24 | 20 |
| 55° | 17 | 16 | 16 | 16 | 16 | 15 |
| 65° | 14 | 12 | 12 | 12 | 14 | 14 |
| 75° | 13 | 10 | 8 | 10 | 12 | 13 |
| 85° | 4 | 5 | 3 | 5 | 4 | 5 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 296.7 | 296.7 | 296.7 | 296.7 | 296.7 |
| 1° | 297.1 | 296.7 | 296.0 | 296.4 | 296.4 |
| 2° | 295.7 | 295.3 | 294.9 | 294.9 | 294.9 |
| 3° | 293.2 | 292.8 | 292.4 | 292.4 | 292.4 |
| 4° | 289.6 | 289.2 | 289.2 | 288.9 | 288.9 |
| 5° | 286.0 | 285.6 | 284.6 | 284.6 | 284.6 |
| 6° | 281.0 | 280.6 | 279.9 | 279.5 | 279.5 |
| 7° | 274.9 | 274.9 | 273.8 | 273.4 | 273.8 |
| 8° | 268.4 | 268.1 | 267.3 | 267.0 | 267.0 |
| 9° | 261.6 | 260.5 | 260.5 | 259.5 | 260.2 |
| 10° | 253.7 | 253.0 | 252.3 | 251.6 | 251.2 |
| 11° | 244.8 | 244.4 | 243.3 | 242.6 | 242.3 |
| 12° | 237.2 | 235.5 | 234.7 | 233.7 | 234.4 |
| 13° | 227.6 | 226.5 | 224.7 | 224.3 | 224.7 |
| 14° | 219.3 | 217.2 | 215.7 | 215.0 | 214.7 |
| 15° | 208.6 | 206.4 | 205.4 | 205.0 | 205.0 |
| 17.5° | 184.6 | 183.1 | 180.3 | 180.3 | 180.3 |
| 20° | 160.2 | 158.8 | 157.0 | 156.6 | 157.0 |
| 22.5° | 139.1 | 136.5 | 133.7 | 134.0 | 136.2 |
| 25° | 118.3 | 116.1 | 113.6 | 114.0 | 115.8 |
| 27.5° | 100.7 | 97.8 | 95.3 | 96.0 | 97.1 |
| 30° | 83.9 | 82.1 | 79.6 | 80.3 | 81.4 |
| 32.5° | 69.5 | 68.5 | 65.6 | 66.3 | 67.4 |
| 35° | 57.3 | 56.3 | 54.8 | 55.2 | 55.2 |
| 37.5° | 45.9 | 45.9 | 45.5 | 45.2 | 44.8 |
| 40° | 36.9 | 37.6 | 37.6 | 36.6 | 35.8 |
| 42.5° | 30.1 | 30.8 | 31.5 | 30.1 | 29.0 |
| 45° | 25.4 | 25.8 | 26.5 | 25.1 | 24.4 |
| 47.5° | 22.2 | 22.2 | 22.9 | 21.9 | 21.5 |
| 50° | 20.1 | 20.1 | 19.7 | 19.4 | 19.7 |
| 52.5° | 18.3 | 17.9 | 17.6 | 17.9 | 17.9 |
| 55° | 16.8 | 16.5 | 16.1 | 16.5 | 16.5 |
| 57.5° | 15.8 | 15.4 | 15.1 | 15.1 | 15.4 |
| 60° | 15.1 | 14.3 | 14.0 | 14.3 | 14.7 |
| 62.5° | 14.3 | 13.3 | 12.9 | 13.3 | 14.0 |
| 65° | 14.0 | 12.5 | 11.8 | 12.5 | 13.6 |
| 67.5° | 13.6 | 11.8 | 10.8 | 11.8 | 13.3 |
| 70° | 13.3 | 11.1 | 9.7 | 11.1 | 12.9 |
| 72.5° | 12.9 | 10.4 | 9.0 | 10.4 | 12.9 |
| 75° | 12.9 | 9.7 | 7.9 | 9.7 | 12.5 |
| 77.5° | 12.2 | 9.0 | 6.8 | 9.0 | 11.8 |
| 80° | 10.8 | 8.2 | 5.7 | 7.9 | 10.0 |
| 82.5° | 7.9 | 7.2 | 4.3 | 6.8 | 7.5 |
| 85° | 4.3 | 5.0 | 2.9 | 4.7 | 3.9 |
| 87.5° | 0.7 | 1.1 | 0.7 | 2.2 | 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)