

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: P1319814

Luminaire Tested: LDSQA3D05R309840DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309840DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

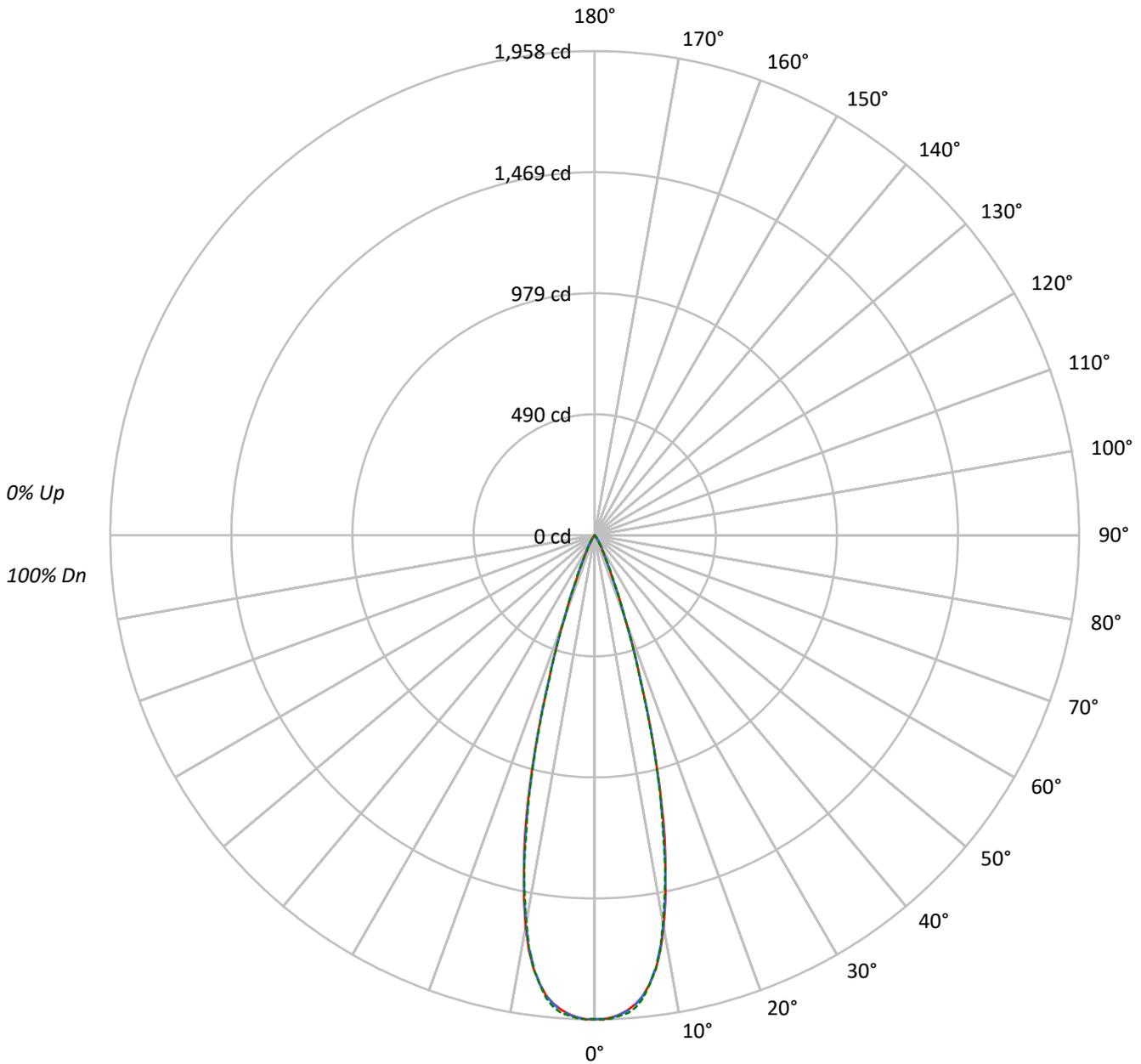
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 505.0 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
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



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



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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 | 102 | 102 | 100 |
| 1 | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 102 | 101 | 100 | 99 | 99 | 99 | 99 | 97 |
| 2 | 112 | 108 | 105 | 103 | 109 | 106 | 104 | 102 | 103 | 101 | 99 | 100 | 99 | 97 | 98 | 96 | 95 | 95 | 94 | 94 |
| 3 | 108 | 104 | 100 | 97 | 106 | 102 | 99 | 97 | 100 | 97 | 95 | 98 | 95 | 94 | 95 | 94 | 92 | 92 | 91 | 91 |
| 4 | 105 | 100 | 96 | 93 | 103 | 99 | 95 | 92 | 97 | 94 | 91 | 95 | 92 | 90 | 93 | 91 | 89 | 89 | 88 | 88 |
| 5 | 102 | 96 | 92 | 89 | 101 | 95 | 92 | 89 | 94 | 91 | 88 | 92 | 90 | 87 | 91 | 89 | 87 | 87 | 86 | 86 |
| 6 | 99 | 93 | 89 | 86 | 98 | 92 | 89 | 86 | 91 | 88 | 85 | 90 | 87 | 85 | 89 | 86 | 84 | 84 | 83 | 83 |
| 7 | 96 | 90 | 86 | 83 | 95 | 90 | 86 | 83 | 89 | 85 | 83 | 87 | 85 | 82 | 87 | 84 | 82 | 82 | 81 | 81 |
| 8 | 94 | 88 | 84 | 81 | 93 | 87 | 83 | 81 | 86 | 83 | 80 | 85 | 82 | 80 | 84 | 82 | 80 | 80 | 79 | 79 |
| 9 | 91 | 85 | 81 | 78 | 91 | 85 | 81 | 78 | 84 | 80 | 78 | 83 | 80 | 78 | 82 | 80 | 78 | 78 | 77 | 77 |
| 10 | 89 | 83 | 79 | 76 | 88 | 82 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 76 | 80 | 78 | 76 | 76 | 75 | 75 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 337057 | 337057 | 337057 |
| 5° | 328836 | 329251 | 331083 |
| 10° | 280856 | 279545 | 277901 |
| 15° | 173323 | 171291 | 171915 |
| 20° | 65503 | 65869 | 65796 |
| 25° | 20143 | 22100 | 21055 |
| 30° | 8114 | 10301 | 8432 |
| 35° | 2397 | 4373 | 2481 |
| 40° | 967 | 1776 | 967 |
| 45° | 195 | 585 | 195 |
| 50° | 0 | 107 | 0 |
| 55° | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 585 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 172.6 | 34.2 |
| 10°-20° | 255.6 | 50.6 |
| 20°-30° | 63.4 | 12.6 |
| 30°-40° | 11.9 | 2.4 |
| 40°-50° | 1.5 | 0.3 |
| 50°-60° | 0.0 | 0.0 |
| 60°-70° | 0.0 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 491.6 | 97.3 |
| 0°-40° | 503.5 | 99.7 |
| 0°-60° | 505.0 | 100.0 |
| 0°-90° | 505.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 505.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1957 | 1957 | 1957 | 1957 | 1957 | |
| 5° | 1902 | 1901 | 1904 | 1908 | 1915 | 173 |
| 15° | 972 | 963 | 961 | 968 | 964 | 257 |
| 25° | 106 | 113 | 116 | 116 | 111 | 61 |
| 35° | 11 | 15 | 21 | 15 | 12 | 10 |
| 45° | 1 | 1 | 2 | 2 | 1 | 1 |
| 55° | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1319814
 CATALOG NUMBER: LDSQA3D05R309840DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1957.1 | 1957.1 | 1957.1 | 1957.1 | 1957.1 |
| 1° | 1957.9 | 1956.3 | 1956.3 | 1954.0 | 1958.3 |
| 2° | 1950.8 | 1949.3 | 1952.0 | 1950.0 | 1955.5 |
| 3° | 1940.2 | 1938.3 | 1942.2 | 1943.4 | 1946.1 |
| 4° | 1924.5 | 1922.9 | 1927.3 | 1929.6 | 1937.1 |
| 5° | 1902.1 | 1901.3 | 1904.5 | 1907.6 | 1915.1 |
| 6° | 1871.5 | 1870.3 | 1872.3 | 1876.2 | 1880.9 |
| 7° | 1827.1 | 1824.8 | 1826.3 | 1827.1 | 1828.3 |
| 8° | 1770.9 | 1767.4 | 1765.4 | 1769.8 | 1772.1 |
| 9° | 1698.7 | 1694.8 | 1690.4 | 1688.9 | 1694.4 |
| 10° | 1606.0 | 1600.1 | 1598.5 | 1594.6 | 1589.1 |
| 11° | 1498.4 | 1493.7 | 1492.5 | 1485.4 | 1482.3 |
| 12° | 1375.0 | 1372.7 | 1375.4 | 1371.1 | 1369.5 |
| 13° | 1256.8 | 1241.9 | 1239.9 | 1231.7 | 1227.4 |
| 14° | 1117.0 | 1103.3 | 1102.9 | 1098.5 | 1104.4 |
| 15° | 972.1 | 962.6 | 960.7 | 968.1 | 964.2 |
| 17.5° | 619.8 | 626.1 | 624.5 | 620.6 | 613.9 |
| 20° | 357.4 | 353.1 | 359.4 | 360.9 | 359.0 |
| 22.5° | 190.5 | 192.1 | 193.2 | 197.9 | 201.1 |
| 25° | 106.0 | 113.1 | 116.3 | 115.9 | 110.8 |
| 27.5° | 66.0 | 70.3 | 76.2 | 72.3 | 67.9 |
| 30° | 40.8 | 44.4 | 51.8 | 44.8 | 42.4 |
| 32.5° | 22.0 | 27.9 | 33.4 | 27.9 | 22.8 |
| 35° | 11.4 | 14.9 | 20.8 | 15.3 | 11.8 |
| 37.5° | 7.5 | 8.6 | 13.4 | 8.6 | 7.5 |
| 40° | 4.3 | 5.5 | 7.9 | 5.5 | 4.3 |
| 42.5° | 2.0 | 3.1 | 4.3 | 3.1 | 2.0 |
| 45° | 0.8 | 1.2 | 2.4 | 1.6 | 0.8 |
| 47.5° | 0.0 | 0.4 | 1.2 | 0.4 | 0.0 |
| 50° | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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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)