

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: P1323580

Luminaire Tested: LDSQA3D05R209030D2WDE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R209030D2WDE010 3LSQPHR1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

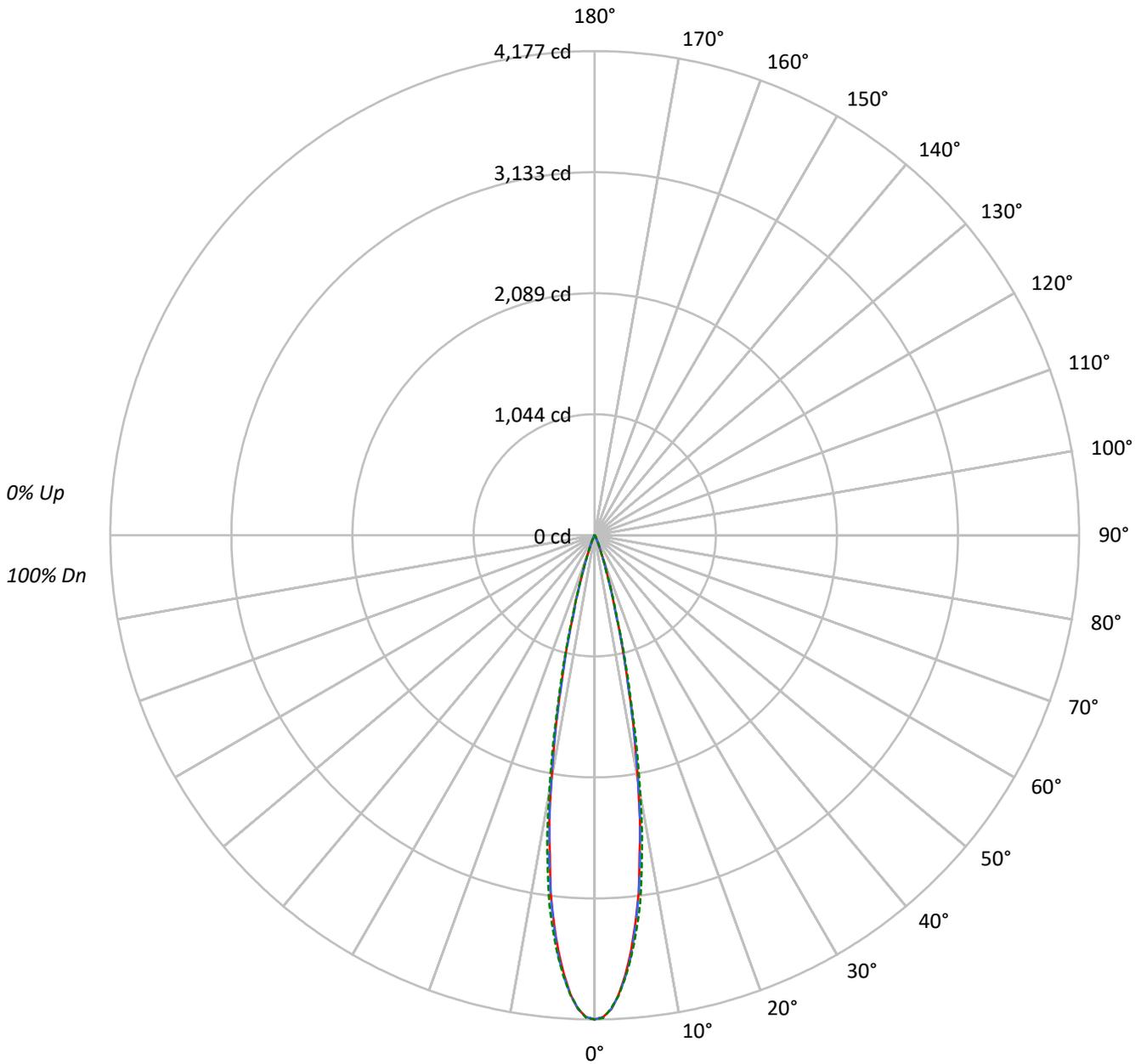
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 561.0 lumens
Efficiency: N/A
Efficacy: 50.5 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1323580
CATALOG NUMBER: LDSQA3D05R209030D2WDE010 3LSQPHR1MMS

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1323580

CATALOG NUMBER: LDSQA3D05R209030D2WDE010 3LSQPHR1MMS

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 | 102 | 102 | 102 | 100 |
| 1 | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 100 | 98 |
| 2 | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99 | 99 | 98 | 97 | 97 | 98 | 97 | 96 |
| 3 | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98 | 100 | 98 | 97 | 98 | 96 | 95 | 95 | 98 | 96 | 94 |
| 4 | 107 | 103 | 99 | 97 | 106 | 102 | 99 | 96 | 100 | 97 | 95 | 98 | 96 | 94 | 96 | 95 | 93 | 93 | 96 | 95 | 92 |
| 5 | 105 | 100 | 97 | 94 | 104 | 99 | 96 | 94 | 98 | 95 | 93 | 96 | 94 | 92 | 95 | 93 | 92 | 92 | 95 | 93 | 91 |
| 6 | 103 | 98 | 94 | 92 | 102 | 97 | 94 | 91 | 96 | 93 | 91 | 95 | 92 | 90 | 93 | 91 | 90 | 90 | 93 | 91 | 89 |
| 7 | 101 | 95 | 92 | 90 | 100 | 95 | 92 | 89 | 94 | 91 | 89 | 93 | 90 | 89 | 92 | 90 | 88 | 88 | 92 | 90 | 87 |
| 8 | 99 | 93 | 90 | 88 | 98 | 93 | 90 | 88 | 92 | 89 | 87 | 91 | 89 | 87 | 91 | 88 | 87 | 87 | 91 | 88 | 86 |
| 9 | 97 | 92 | 88 | 86 | 96 | 91 | 88 | 86 | 91 | 88 | 86 | 90 | 87 | 86 | 89 | 87 | 85 | 85 | 89 | 87 | 85 |
| 10 | 95 | 90 | 87 | 85 | 95 | 90 | 87 | 85 | 89 | 86 | 84 | 88 | 86 | 84 | 88 | 86 | 84 | 84 | 88 | 86 | 83 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 719340 | 719340 | 719340 |
| 5° | 621419 | 627210 | 629544 |
| 10° | 374085 | 377582 | 396382 |
| 15° | 129391 | 126360 | 136434 |
| 20° | 33979 | 31963 | 32055 |
| 25° | 7411 | 8931 | 10166 |
| 30° | 3182 | 3182 | 3281 |
| 35° | 1787 | 1577 | 1682 |
| 40° | 787 | 899 | 1012 |
| 45° | 244 | 365 | 365 |
| 50° | 134 | 134 | 134 |
| 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: 22.5°

Vertical Angle: 45°

Luminance: 365 cd/sqm



TEST NUMBER: P1323580

CATALOG NUMBER: LDSQA3D05R209030D2WDE010 3LSQPHR1MMS

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 298.7 | 53.3 |
| 10°-20° | 227.5 | 40.5 |
| 20°-30° | 28.1 | 5.0 |
| 30°-40° | 5.3 | 0.9 |
| 40°-50° | 1.3 | 0.2 |
| 50°-60° | 0.1 | 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° | 554.3 | 98.8 |
| 0°-40° | 559.6 | 99.8 |
| 0°-60° | 561.0 | 100.0 |
| 0°-90° | 561.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 561.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 4177 | 4177 | 4177 | 4177 | 4177 | |
| 5° | 3594 | 3592 | 3628 | 3626 | 3642 | 296 |
| 15° | 726 | 700 | 709 | 751 | 765 | 227 |
| 25° | 39 | 44 | 47 | 49 | 54 | 27 |
| 35° | 8 | 8 | 8 | 8 | 8 | 5 |
| 45° | 1 | 2 | 2 | 2 | 2 | 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: P1323580

CATALOG NUMBER: LDSQA3D05R209030D2WDE010 3LSQPHR1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 4176.8 | 4176.8 | 4176.8 | 4176.8 | 4176.8 |
| 1° | 4157.3 | 4152.3 | 4156.3 | 4147.8 | 4165.3 |
| 2° | 4090.8 | 4085.8 | 4085.8 | 4080.8 | 4083.3 |
| 3° | 3966.9 | 3974.9 | 3969.9 | 3959.4 | 3972.9 |
| 4° | 3798.0 | 3807.0 | 3815.0 | 3815.5 | 3817.5 |
| 5° | 3594.5 | 3592.0 | 3628.0 | 3625.5 | 3641.5 |
| 6° | 3362.6 | 3359.6 | 3375.1 | 3401.1 | 3433.1 |
| 7° | 3107.7 | 3071.3 | 3112.7 | 3165.2 | 3208.2 |
| 8° | 2777.9 | 2787.4 | 2815.9 | 2877.8 | 2912.3 |
| 9° | 2498.0 | 2442.5 | 2503.0 | 2577.0 | 2614.4 |
| 10° | 2139.1 | 2094.2 | 2159.1 | 2237.1 | 2266.6 |
| 12.5° | 1346.5 | 1307.5 | 1328.5 | 1410.4 | 1423.4 |
| 15° | 725.7 | 699.7 | 708.7 | 751.2 | 765.2 |
| 17.5° | 370.4 | 346.9 | 341.9 | 368.9 | 371.8 |
| 20° | 185.4 | 179.9 | 174.4 | 176.9 | 174.9 |
| 22.5° | 86.0 | 93.5 | 92.5 | 87.5 | 93.5 |
| 25° | 39.0 | 44.5 | 47.0 | 49.0 | 53.5 |
| 27.5° | 24.0 | 23.0 | 26.5 | 28.5 | 29.0 |
| 30° | 16.0 | 15.5 | 16.0 | 16.5 | 16.5 |
| 32.5° | 11.5 | 11.0 | 10.5 | 10.5 | 11.0 |
| 35° | 8.5 | 8.5 | 7.5 | 8.0 | 8.0 |
| 37.5° | 6.0 | 6.0 | 5.5 | 6.0 | 6.0 |
| 40° | 3.5 | 4.0 | 4.0 | 4.0 | 4.5 |
| 42.5° | 2.0 | 2.5 | 2.5 | 2.5 | 2.5 |
| 45° | 1.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 47.5° | 0.5 | 0.5 | 0.5 | 1.0 | 1.0 |
| 50° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 52.5° | 0.5 | 0.0 | 0.0 | 0.0 | 0.5 |
| 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 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)