

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: P1316468

Luminaire Tested: LDSQA3D09R459740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316468
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R459740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

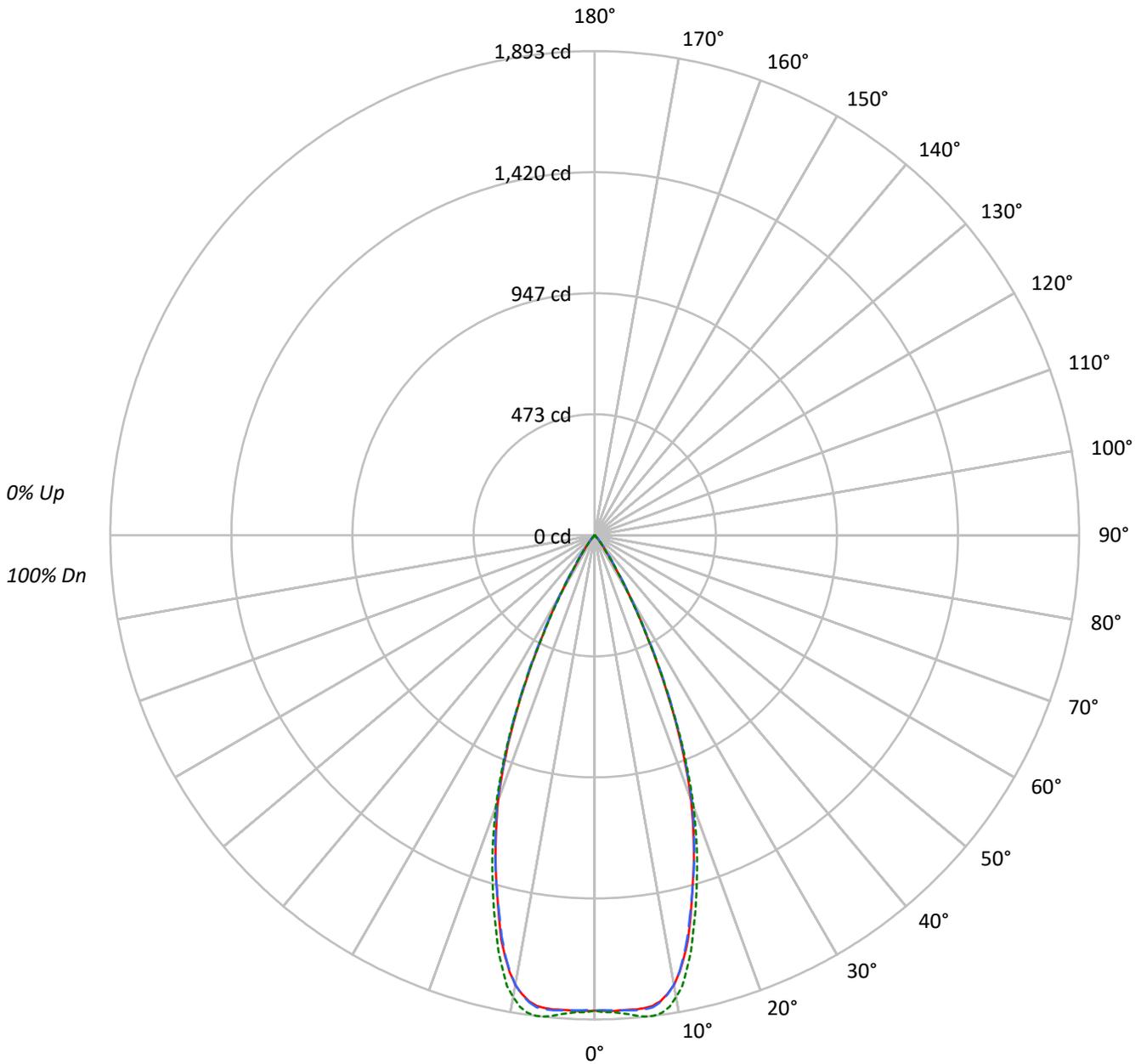
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 961.9 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
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 (A_{in}): 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: P1316468
CATALOG NUMBER: LDSQA3D09R459740DE010 3LSQCDR1MW

Luminous Intensity Polar Plot



— 0°-180° - - - 45°-225° - · - · - 90°-270°



TEST NUMBER: P1316468

CATALOG NUMBER: LDSQA3D09R459740DE010 3LSQCDR1MW

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	320110	320110	320110
5°	321696	322318	326001
10°	312160	311898	320589
15°	261617	261474	271084
20°	202245	204316	207175
25°	123973	126539	124239
30°	53177	55563	51466
35°	16693	20120	16252
40°	5733	7329	5576
45°	1047	3118	852
50°	563	1152	563
55°	631	631	631
60°	482	482	482
65°	571	571	571
70°	352	352	352
75°	466	466	466
80°	694	694	694
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3118 cd/sqm



TEST NUMBER: P1316468

CATALOG NUMBER: LDSQA3D09R459740DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.7	18.4
10°-20°	408.2	42.4
20°-30°	298.9	31.1
30°-40°	66.0	6.9
40°-50°	8.1	0.8
50°-60°	1.9	0.2
60°-70°	1.3	0.1
70°-80°	0.8	0.1
80°-90°	0.1	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°	883.7	91.9
0°-40°	949.8	98.7
0°-60°	959.7	99.8
0°-90°	961.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	961.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1859	1859	1859	1859	1859	
5°	1861	1859	1864	1878	1886	176
15°	1467	1460	1466	1502	1520	405
25°	652	652	666	661	654	296
35°	79	84	96	84	77	63
45°	4	7	13	7	4	6
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1316468

CATALOG NUMBER: LDSQA3D09R459740DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1858.7	1858.7	1858.7	1858.7	1858.7
1°	1860.1	1857.3	1856.6	1861.6	1865.1
2°	1861.6	1858.0	1858.7	1863.7	1865.8
3°	1860.1	1856.6	1860.1	1867.2	1870.1
4°	1859.4	1858.0	1861.6	1871.5	1876.4
5°	1860.8	1859.4	1864.4	1877.9	1885.7
6°	1858.7	1856.6	1863.7	1880.7	1892.0
7°	1853.8	1851.6	1859.4	1880.0	1892.8
8°	1840.3	1836.0	1843.8	1869.4	1885.0
9°	1816.2	1810.5	1818.3	1848.1	1866.5
10°	1785.0	1778.6	1783.5	1812.6	1833.2
11°	1740.3	1731.8	1737.4	1768.7	1795.6
12°	1683.6	1671.5	1678.6	1714.0	1733.2
13°	1621.9	1610.5	1611.9	1643.8	1670.8
14°	1545.3	1530.4	1536.8	1570.1	1591.4
15°	1467.3	1459.5	1466.5	1502.0	1520.4
17.5°	1288.5	1287.8	1294.2	1320.5	1330.4
20°	1103.5	1105.6	1114.8	1129.0	1130.4
22.5°	884.3	885.0	895.0	904.9	902.8
25°	652.4	651.7	665.9	660.9	653.8
27.5°	432.6	435.4	448.2	439.0	431.9
30°	267.4	273.0	279.4	268.1	258.8
32.5°	144.7	153.9	163.1	153.2	144.0
35°	79.4	83.7	95.7	83.7	77.3
37.5°	46.1	48.2	56.0	48.2	44.0
40°	25.5	29.1	32.6	29.1	24.8
42.5°	10.6	16.3	19.9	16.3	10.6
45°	4.3	7.1	12.8	7.1	3.5
47.5°	2.1	2.8	7.8	2.8	2.1
50°	2.1	2.1	4.3	2.1	2.1
52.5°	2.1	2.1	2.1	2.1	2.1
55°	2.1	2.1	2.1	2.1	2.1
57.5°	2.1	2.1	2.1	2.1	2.1
60°	1.4	1.4	1.4	2.1	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	0.7	0.7	0.7	1.4	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7
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



TEST NUMBER: P1316468
CATALOG NUMBER: LDSQA3D09R459740DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)