

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: P1323801

Luminaire Tested: LDSQA3D09R459030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323801
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: LDSQA3D09R459030D2WDE010 3LSQCDR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

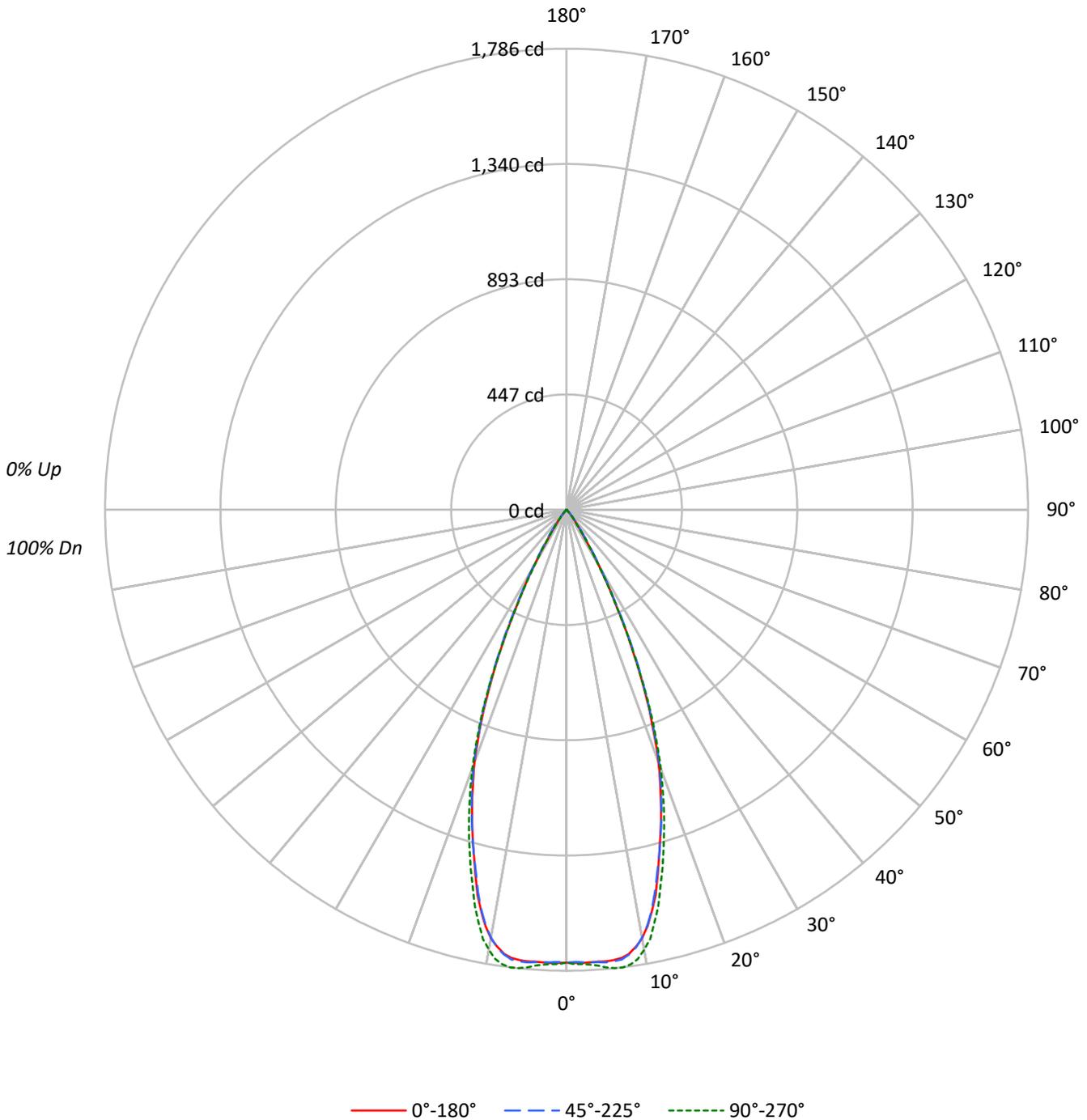
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 908.0 lumens
Efficiency: N/A
Efficacy: 61.8 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): 14.7
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: P1323801
CATALOG NUMBER: LDSQA3D09R459030D2WDE010 3LSQCDR1MW

Luminous Intensity Polar Plot





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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	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	102	102	102	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	97	97	97	97	97	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	92	92	92	92	92	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	88	88	88	88	88	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	84	84	84	84	84	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	80	80	80	80	80	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	76	76	76	76	76	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	73	73	73	73	73	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	70	70	70	70	70	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	67	67	67	67	67	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	64	64	64	64	64	64	64	64	64	63																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	302147	302147	302147
5°	303647	304218	307693
10°	294637	294392	302594
15°	246925	246800	255875
20°	190881	192842	195555
25°	117018	119432	117265
30°	50174	52441	48583
35°	15768	19006	15348
40°	5418	6924	5261
45°	974	2923	804
50°	536	1072	536
55°	601	601	601
60°	448	448	448
65°	530	530	530
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: 2923 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.7	18.4
10°-20°	385.3	42.4
20°-30°	282.1	31.1
30°-40°	62.3	6.9
40°-50°	7.6	0.8
50°-60°	1.8	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°	834.1	91.9
0°-40°	896.4	98.7
0°-60°	905.9	99.8
0°-90°	908.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	908.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1754	1754	1754	1754	1754	
5°	1756	1755	1760	1772	1780	166
15°	1385	1378	1384	1418	1435	382
25°	616	615	628	624	617	279
35°	75	79	90	79	73	59
45°	4	7	12	7	3	5
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



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CATALOG NUMBER: LDSQA3D09R459030D2WDE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1754.4	1754.4	1754.4	1754.4	1754.4
1°	1755.7	1753.0	1752.4	1757.1	1760.4
2°	1757.1	1753.7	1754.4	1759.1	1761.1
3°	1755.7	1752.4	1755.7	1762.4	1765.1
4°	1755.0	1753.7	1757.1	1766.4	1771.1
5°	1756.4	1755.0	1759.7	1772.5	1779.8
6°	1754.4	1752.4	1759.1	1775.1	1785.8
7°	1749.7	1747.7	1755.0	1774.5	1786.5
8°	1737.0	1733.0	1740.3	1764.4	1779.1
9°	1714.2	1708.9	1716.2	1744.3	1761.7
10°	1684.8	1678.7	1683.4	1710.9	1730.3
11°	1642.6	1634.6	1639.9	1669.4	1694.8
12°	1589.0	1577.7	1584.4	1617.8	1635.9
13°	1530.8	1520.1	1521.4	1551.6	1577.0
14°	1458.5	1444.5	1450.5	1482.0	1502.0
15°	1384.9	1377.5	1384.2	1417.7	1435.1
17.5°	1216.2	1215.5	1221.6	1246.3	1255.7
20°	1041.5	1043.5	1052.2	1065.6	1067.0
22.5°	834.7	835.4	844.7	854.1	852.1
25°	615.8	615.1	628.5	623.8	617.1
27.5°	408.3	411.0	423.0	414.3	407.6
30°	252.3	257.7	263.7	253.0	244.3
32.5°	136.5	145.3	154.0	144.6	135.9
35°	75.0	79.0	90.4	79.0	73.0
37.5°	43.5	45.5	52.9	45.5	41.5
40°	24.1	27.4	30.8	27.4	23.4
42.5°	10.0	15.4	18.7	15.4	10.0
45°	4.0	6.7	12.0	6.7	3.3
47.5°	2.0	2.7	7.4	2.7	2.0
50°	2.0	2.0	4.0	2.0	2.0
52.5°	2.0	2.0	2.0	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0	2.0
60°	1.3	1.3	1.3	2.0	1.3
62.5°	1.3	1.3	1.3	1.3	1.3
65°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	0.7	0.7	0.7	1.3	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: P1323801
CATALOG NUMBER: LDSQA3D09R459030D2WDE010 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)