

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: P1323799

Luminaire Tested: LDSQA3D09R459030D2WDE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R459030D2WDE010 3LSQCDR1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

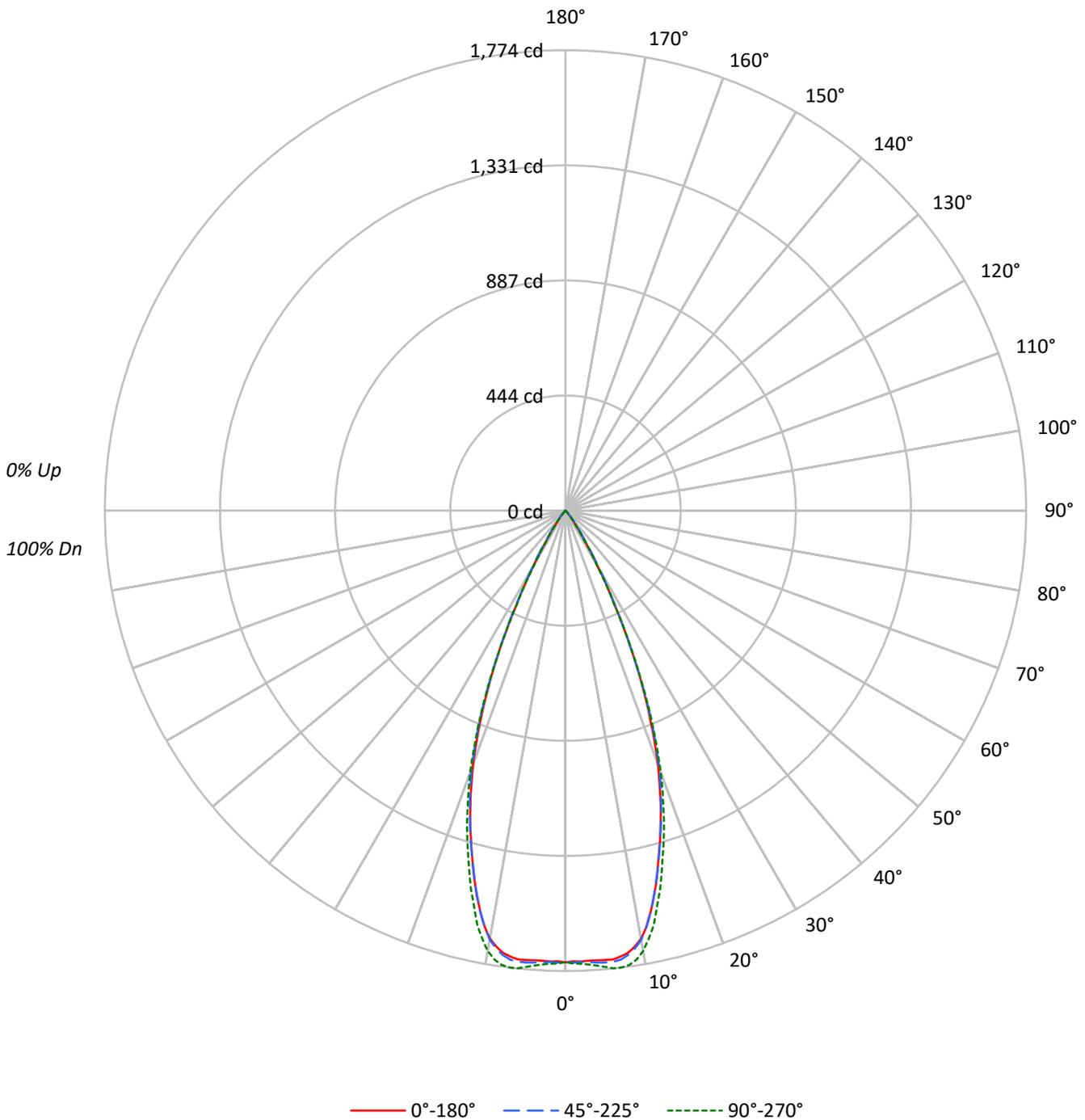
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 900.0 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 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

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Luminous Intensity Polar Plot





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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	299805	299805	299805
5°	300484	302212	305221
10°	292958	293535	301265
15°	247157	247281	255376
20°	190790	193484	196673
25°	118349	118482	119242
30°	48821	51884	48026
35°	15201	18565	14633
40°	4654	6475	4362
45°	317	2436	317
50°	0	348	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: 2436 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.7	18.4
10°-20°	385.2	42.8
20°-30°	282.6	31.4
30°-40°	60.7	6.7
40°-50°	5.8	0.6
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°	833.5	92.6
0°-40°	894.2	99.4
0°-60°	900.0	100.0
0°-90°	900.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	900.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1741	1741	1741	1741	1741	
5°	1738	1743	1748	1760	1766	164
15°	1386	1384	1387	1409	1432	382
25°	623	621	624	624	628	279
35°	72	78	88	76	70	57
45°	1	4	10	4	1	3
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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1740.8	1740.8	1740.8	1740.8	1740.8
1°	1737.4	1741.4	1741.4	1744.1	1745.4
2°	1738.8	1741.4	1740.8	1745.4	1747.4
3°	1736.7	1741.4	1742.8	1748.1	1751.5
4°	1737.4	1741.4	1745.4	1753.5	1758.2
5°	1738.1	1742.8	1748.1	1760.2	1765.5
6°	1738.8	1742.1	1748.1	1763.5	1773.5
7°	1732.1	1736.7	1743.4	1762.8	1773.5
8°	1721.4	1724.0	1729.4	1754.8	1767.5
9°	1701.3	1700.6	1708.6	1736.7	1751.5
10°	1675.2	1667.2	1678.5	1706.6	1722.7
11°	1633.0	1624.3	1634.4	1664.5	1679.9
12°	1578.2	1578.2	1580.2	1607.0	1633.7
13°	1520.0	1513.3	1517.3	1547.4	1566.1
14°	1455.8	1449.1	1453.1	1475.8	1505.3
15°	1386.2	1383.5	1386.9	1408.9	1432.3
17.5°	1220.9	1214.9	1227.0	1249.0	1261.1
20°	1041.0	1051.0	1055.7	1069.7	1073.1
22.5°	834.3	845.0	851.6	853.7	855.7
25°	622.8	620.8	623.5	623.5	627.5
27.5°	409.4	409.4	416.8	412.1	407.4
30°	245.5	255.6	260.9	252.2	241.5
32.5°	133.8	143.8	152.5	139.8	130.5
35°	72.3	77.6	88.3	75.6	69.6
37.5°	39.5	44.2	50.8	42.8	39.5
40°	20.7	25.4	28.8	25.4	19.4
42.5°	6.7	12.7	16.7	12.7	6.0
45°	1.3	4.0	10.0	4.0	1.3
47.5°	0.0	0.7	4.7	0.7	0.0
50°	0.0	0.0	1.3	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)