

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: P1320005

Luminaire Tested: LDSQA3D09R459840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320005  
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: LDSQA3D09R459840DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

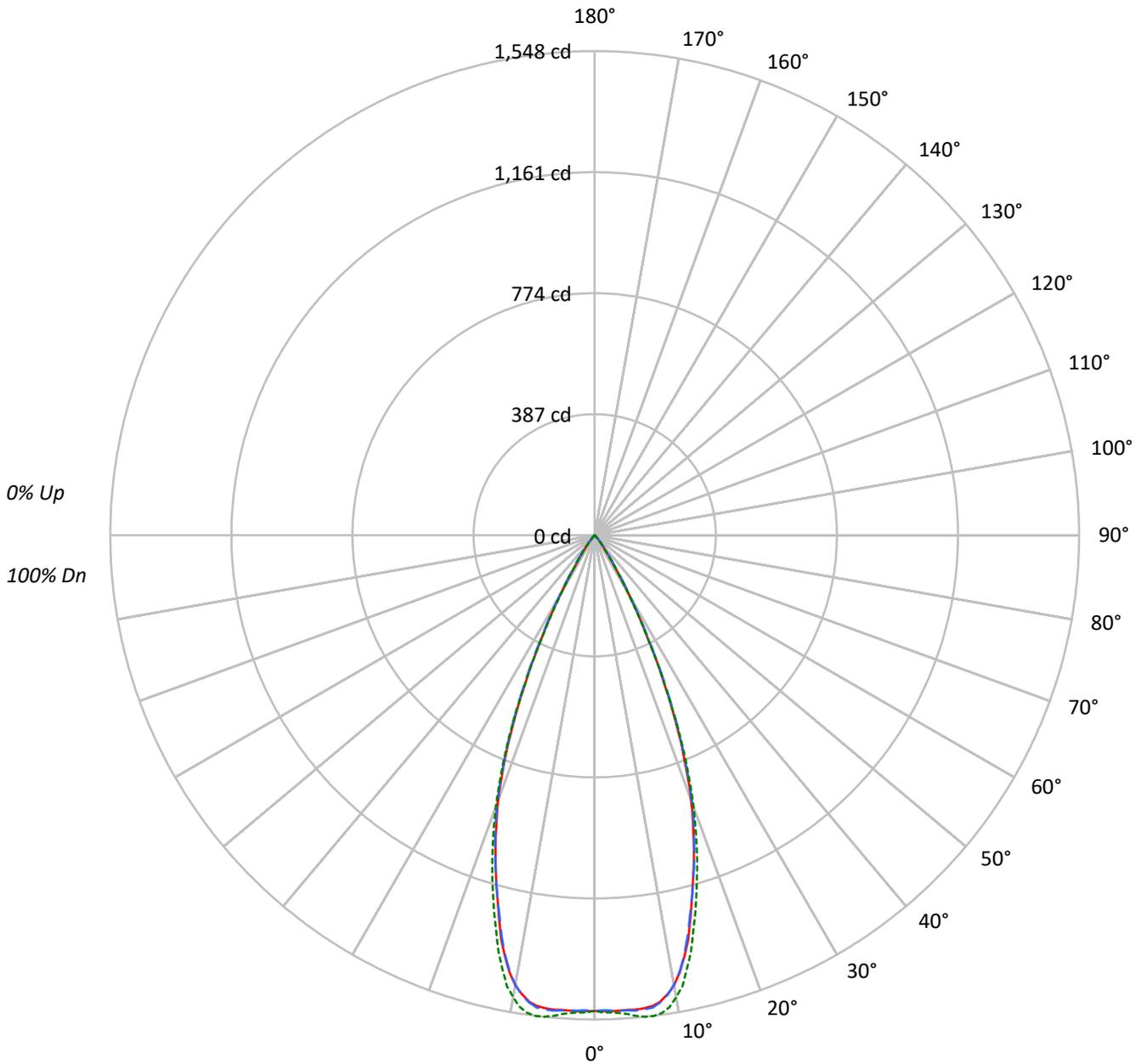
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 787.0 lumens  
Efficiency: N/A  
Efficacy: 71.5 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  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P1320005  
CATALOG NUMBER: LDSQA3D09R459840DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1320005

CATALOG NUMBER: LDSQA3D09R459840DE010 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	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	85	82	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	79	75	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	76	72	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	73	70	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	70	67	64	63

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	261882	261882	261882
5°	263176	263677	266685
10°	255376	255167	262267
15°	214011	213922	221785
20°	165443	167147	169493
25°	101417	103527	101645
30°	43492	45461	42120
35°	13666	16462	13287
40°	4699	6003	4564
45°	852	2533	706
50°	455	938	455
55°	510	510	510
60°	413	413	413
65°	489	489	489
70°	302	302	302
75°	399	399	399
80°	595	595	595
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2533 cd/sqm



TEST NUMBER: P1320005

CATALOG NUMBER: LDSQA3D09R459840DE010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.5	18.4
10°-20°	333.9	42.4
20°-30°	244.5	31.1
30°-40°	54.0	6.9
40°-50°	6.6	0.8
50°-60°	1.5	0.2
60°-70°	1.1	0.1
70°-80°	0.7	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°	723.0	91.9
0°-40°	777.0	98.7
0°-60°	785.1	99.8
0°-90°	787.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	787.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1521	1521	1521	1521	1521	
5°	1522	1521	1525	1536	1543	144
15°	1200	1194	1200	1229	1244	331
25°	534	533	545	541	535	242
35°	65	68	78	68	63	51
45°	4	6	10	6	3	5
55°	2	2	2	2	2	1
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: P1320005

CATALOG NUMBER: LDSQA3D09R459840DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1520.6	1520.6	1520.6	1520.6	1520.6
1°	1521.8	1519.4	1518.9	1522.9	1525.8
2°	1522.9	1520.0	1520.6	1524.7	1526.4
3°	1521.8	1518.9	1521.8	1527.6	1529.9
4°	1521.2	1520.0	1522.9	1531.0	1535.1
5°	1522.3	1521.2	1525.2	1536.3	1542.6
6°	1520.6	1518.9	1524.7	1538.6	1547.9
7°	1516.5	1514.8	1521.2	1538.0	1548.4
8°	1505.5	1502.0	1508.4	1529.3	1542.1
9°	1485.8	1481.1	1487.5	1511.9	1527.0
10°	1460.3	1455.0	1459.1	1482.9	1499.7
11°	1423.7	1416.7	1421.4	1446.9	1469.0
12°	1377.3	1367.4	1373.2	1402.2	1417.9
13°	1326.8	1317.5	1318.7	1344.8	1366.8
14°	1264.2	1252.0	1257.2	1284.5	1301.9
15°	1200.3	1194.0	1199.8	1228.8	1243.9
17.5°	1054.1	1053.6	1058.8	1080.3	1088.4
20°	902.7	904.5	912.0	923.6	924.8
22.5°	723.5	724.0	732.2	740.3	738.5
25°	533.7	533.2	544.8	540.7	534.9
27.5°	353.9	356.2	366.7	359.1	353.3
30°	218.7	223.4	228.6	219.3	211.8
32.5°	118.4	125.9	133.4	125.3	117.8
35°	65.0	68.5	78.3	68.5	63.2
37.5°	37.7	39.5	45.8	39.5	36.0
40°	20.9	23.8	26.7	23.8	20.3
42.5°	8.7	13.3	16.2	13.3	8.7
45°	3.5	5.8	10.4	5.8	2.9
47.5°	1.7	2.3	6.4	2.3	1.7
50°	1.7	1.7	3.5	1.7	1.7
52.5°	1.7	1.7	1.7	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	1.7	1.7	1.7
60°	1.2	1.2	1.2	1.7	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	0.6	0.6	0.6	1.2	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6
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: P1320005  
CATALOG NUMBER: LDSQA3D09R459840DE010 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)