

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: P1314524

Luminaire Tested: LDSQA3D09R459730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314524  
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: LDSQA3D09R459730DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

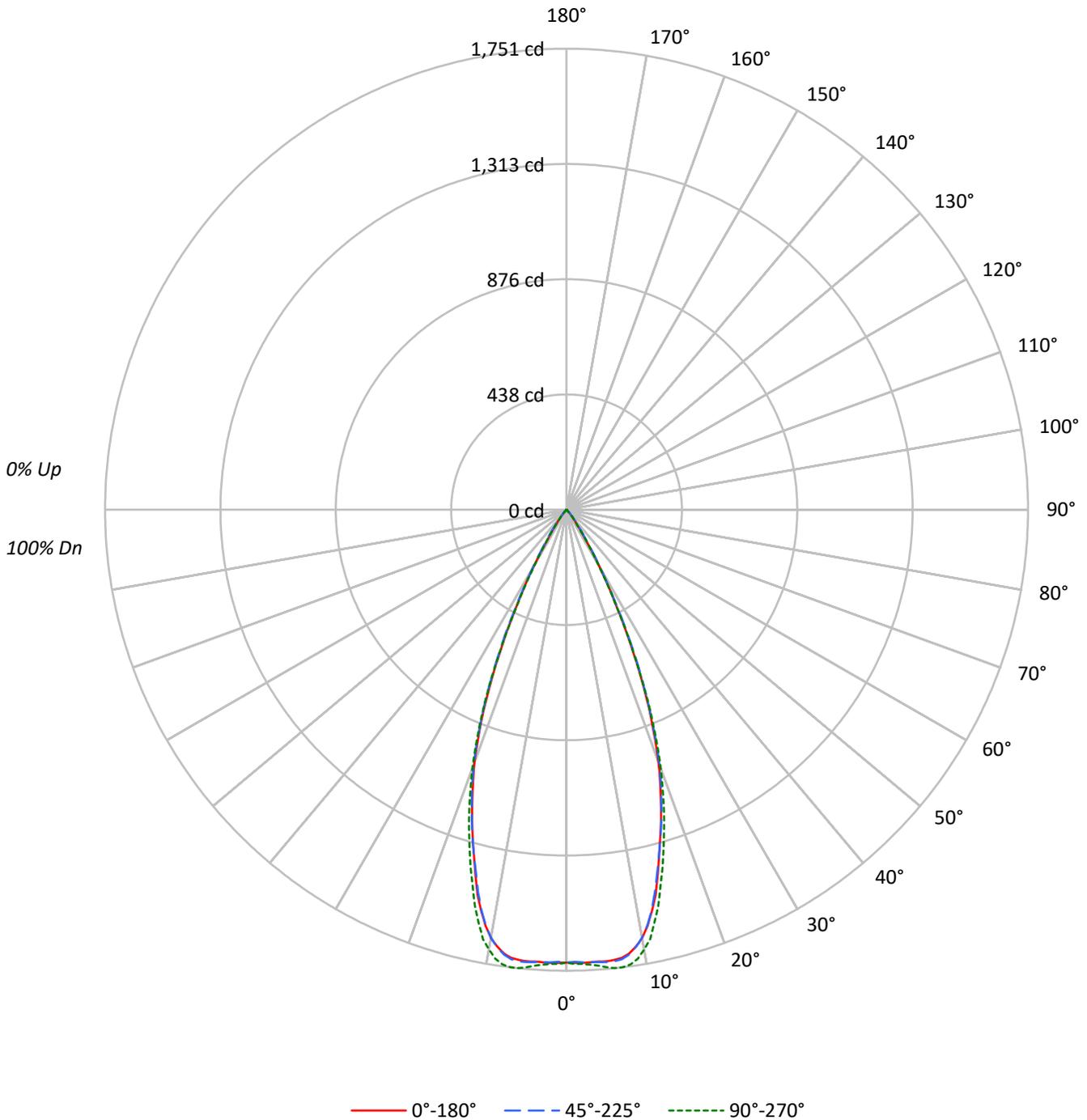
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 890.1 lumens  
Efficiency: N/A  
Efficacy: 80.2 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<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: P1314524  
CATALOG NUMBER: LDSQA3D09R459730DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1314524

CATALOG NUMBER: LDSQA3D09R459730DE010 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	69	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	63

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

	0°	45°	90°
0°	296154	296154	296154
5°	297631	298202	301590
10°	288796	288569	296596
15°	242022	241915	250794
20°	187106	189030	191670
25°	114700	117075	114947
30°	49179	51407	47628
35°	15453	18628	15033
40°	5306	6790	5171
45°	950	2874	804
50°	536	1045	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: 2874 cd/sqm



TEST NUMBER: P1314524

CATALOG NUMBER: LDSQA3D09R459730DE010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.4	18.4
10°-20°	377.6	42.4
20°-30°	276.5	31.1
30°-40°	61.1	6.9
40°-50°	7.5	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°	817.6	91.9
0°-40°	878.7	98.7
0°-60°	888.0	99.8
0°-90°	890.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	890.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1720	1720	1720	1720	1720	
5°	1722	1720	1725	1737	1744	163
15°	1357	1350	1357	1390	1407	375
25°	604	603	616	612	605	273
35°	74	77	89	77	72	58
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



TEST NUMBER: P1314524

CATALOG NUMBER: LDSQA3D09R459730DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1719.6	1719.6	1719.6	1719.6	1719.6
1°	1720.9	1718.3	1717.6	1722.2	1725.5
2°	1722.2	1718.9	1719.6	1724.2	1726.2
3°	1720.9	1717.6	1720.9	1727.5	1730.1
4°	1720.3	1718.9	1722.2	1731.4	1736.0
5°	1721.6	1720.3	1724.9	1737.3	1744.5
6°	1719.6	1717.6	1724.2	1739.9	1750.4
7°	1715.0	1713.0	1720.3	1739.3	1751.1
8°	1702.5	1698.6	1705.8	1729.4	1743.9
9°	1680.2	1675.0	1682.2	1709.8	1726.8
10°	1651.4	1645.5	1650.1	1677.0	1696.0
11°	1610.0	1602.2	1607.4	1636.3	1661.2
12°	1557.5	1546.4	1553.0	1585.8	1603.5
13°	1500.5	1490.0	1491.3	1520.8	1545.7
14°	1429.6	1415.8	1421.7	1452.6	1472.3
15°	1357.4	1350.2	1356.8	1389.6	1406.6
17.5°	1192.1	1191.5	1197.4	1221.6	1230.8
20°	1020.9	1022.8	1031.4	1044.5	1045.8
22.5°	818.1	818.8	828.0	837.2	835.2
25°	603.6	602.9	616.1	611.5	604.9
27.5°	400.2	402.8	414.6	406.1	399.6
30°	247.3	252.6	258.5	248.0	239.5
32.5°	133.8	142.4	150.9	141.7	133.2
35°	73.5	77.4	88.6	77.4	71.5
37.5°	42.6	44.6	51.8	44.6	40.7
40°	23.6	26.9	30.2	26.9	23.0
42.5°	9.8	15.1	18.4	15.1	9.8
45°	3.9	6.6	11.8	6.6	3.3
47.5°	2.0	2.6	7.2	2.6	2.0
50°	2.0	2.0	3.9	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: P1314524

CATALOG NUMBER: LDSQA3D09R459730DE010 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)