

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: P1315496

Luminaire Tested: LDSQA3D09R459735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315496  
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: LDSQA3D09R459735DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

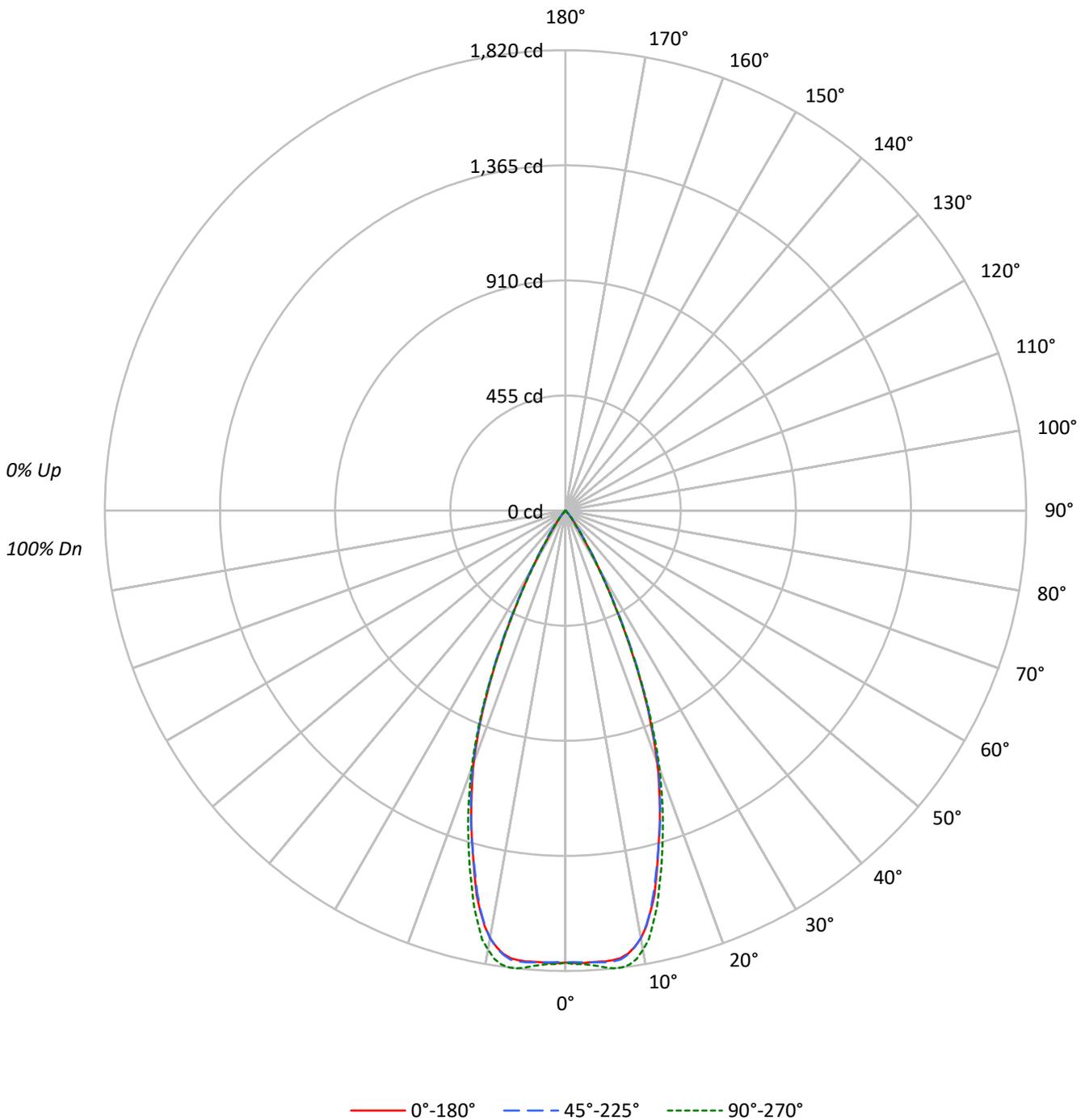
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 925.0 lumens  
Efficiency: N/A  
Efficacy: 83.3 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: P1315496  
CATALOG NUMBER: LDSQA3D09R459735DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1315496

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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	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°	307796	307796	307796
5°	309335	309923	313450
10°	300146	299901	308260
15°	251543	251418	260672
20°	194455	196453	199202
25°	119204	121674	119470
30°	51128	53435	49498
35°	16063	19364	15621
40°	5508	7059	5373
45°	999	2996	828
50°	536	1099	536
55°	601	601	601
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: 2996 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.9	18.4
10°-20°	392.5	42.4
20°-30°	287.4	31.1
30°-40°	63.5	6.9
40°-50°	7.8	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°	849.8	91.9
0°-40°	913.3	98.7
0°-60°	922.8	99.8
0°-90°	925.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	925.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1787	1787	1787	1787	1787	
5°	1789	1788	1793	1806	1813	169
15°	1411	1403	1410	1444	1462	389
25°	627	627	640	636	629	284
35°	76	80	92	80	74	60
45°	4	7	12	7	3	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



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 CATALOG NUMBER: LDSQA3D09R459735DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1787.2	1787.2	1787.2	1787.2	1787.2
1°	1788.6	1785.9	1785.2	1790.0	1793.4
2°	1790.0	1786.5	1787.2	1792.0	1794.0
3°	1788.6	1785.2	1788.6	1795.4	1798.1
4°	1787.9	1786.5	1790.0	1799.5	1804.3
5°	1789.3	1787.9	1792.7	1805.6	1813.1
6°	1787.2	1785.2	1792.0	1808.4	1819.3
7°	1782.5	1780.4	1787.9	1807.7	1820.0
8°	1769.5	1765.4	1772.9	1797.5	1812.5
9°	1746.3	1740.9	1748.4	1777.0	1794.7
10°	1716.3	1710.2	1714.9	1742.9	1762.7
11°	1673.4	1665.2	1670.6	1700.6	1726.5
12°	1618.8	1607.2	1614.0	1648.1	1666.5
13°	1559.5	1548.6	1549.9	1580.6	1606.5
14°	1485.8	1471.5	1477.6	1509.7	1530.2
15°	1410.8	1403.3	1410.1	1444.2	1462.0
17.5°	1239.0	1238.3	1244.4	1269.7	1279.2
20°	1061.0	1063.1	1071.9	1085.6	1086.9
22.5°	850.3	851.0	860.5	870.1	868.0
25°	627.3	626.7	640.3	635.5	628.7
27.5°	416.0	418.7	431.0	422.1	415.3
30°	257.1	262.5	268.7	257.8	248.9
32.5°	139.1	148.0	156.8	147.3	138.4
35°	76.4	80.5	92.1	80.5	74.3
37.5°	44.3	46.4	53.9	46.4	42.3
40°	24.5	28.0	31.4	28.0	23.9
42.5°	10.2	15.7	19.1	15.7	10.2
45°	4.1	6.8	12.3	6.8	3.4
47.5°	2.0	2.7	7.5	2.7	2.0
50°	2.0	2.0	4.1	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°	1.4	1.4	1.4	2.0	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



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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)