

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: P1312441

Luminaire Tested: LDSQA3D09R509050DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312441  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R509050DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

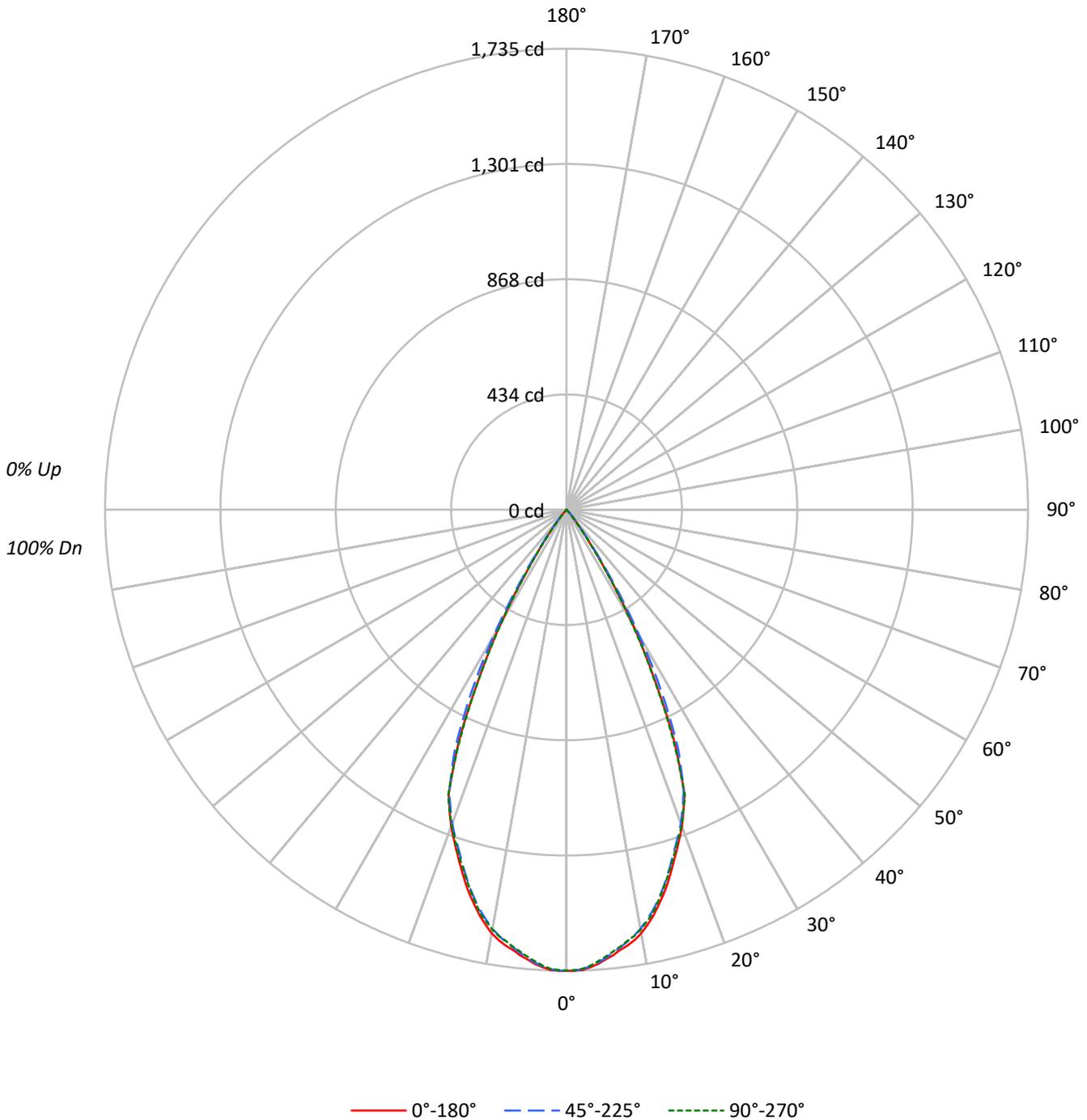
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1117.0 lumens  
Efficiency: N/A  
Efficacy: 100.6 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
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 (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	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

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

	0°	45°	90°
0°	298737	298737	298737
5°	293517	292704	291874
10°	283077	280017	280577
15°	260422	257141	257855
20°	232540	230341	231660
25°	180981	188563	179005
30°	98041	109475	96291
35°	30906	36793	30233
40°	6835	9510	6475
45°	195	2923	195
50°	0	429	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: 2923 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.9	14.2
10°-20°	403.8	36.1
20°-30°	425.3	38.1
30°-40°	121.5	10.9
40°-50°	7.5	0.7
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°	988.0	88.4
0°-40°	1109.4	99.3
0°-60°	1117.0	100.0
0°-90°	1117.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1117.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1735	1735	1735	1735	1735	
5°	1698	1696	1693	1692	1688	160
15°	1461	1451	1442	1445	1446	407
25°	952	988	992	981	942	417
35°	147	157	175	149	144	115
45°	1	4	12	4	1	5
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°	1734.6	1734.6	1734.6	1734.6	1734.6
1°	1735.4	1736.2	1734.6	1736.2	1732.2
2°	1733.0	1731.4	1729.8	1730.6	1728.2
3°	1724.2	1723.4	1720.2	1721.0	1717.8
4°	1713.0	1710.6	1708.2	1706.6	1703.4
5°	1697.8	1696.3	1693.1	1691.5	1688.3
6°	1685.1	1681.9	1676.3	1674.7	1671.5
7°	1668.3	1666.7	1659.5	1657.9	1656.3
8°	1655.5	1650.7	1641.9	1642.7	1638.7
9°	1638.7	1632.3	1623.5	1623.5	1624.3
10°	1618.7	1609.2	1601.2	1603.6	1604.4
11°	1592.4	1586.0	1574.0	1579.6	1579.6
12°	1563.6	1555.6	1546.8	1551.6	1554.8
13°	1530.1	1523.7	1515.7	1520.5	1518.9
14°	1497.3	1485.3	1479.7	1486.1	1483.7
15°	1460.6	1451.0	1442.2	1444.6	1446.2
17.5°	1362.3	1351.9	1345.5	1346.3	1353.5
20°	1268.8	1264.8	1256.8	1260.0	1264.0
22.5°	1158.5	1160.1	1150.5	1152.9	1162.5
25°	952.4	987.5	992.3	981.2	942.0
27.5°	705.5	758.2	774.2	748.7	700.7
30°	493.0	507.4	550.5	501.8	484.2
32.5°	289.2	310.8	334.0	300.4	288.4
35°	147.0	157.4	175.0	148.6	143.8
37.5°	67.9	72.7	79.9	67.9	63.9
40°	30.4	36.0	42.3	34.4	28.8
42.5°	9.6	16.8	22.4	15.2	8.8
45°	0.8	4.0	12.0	4.0	0.8
47.5°	0.0	0.8	4.8	0.8	0.0
50°	0.0	0.0	1.6	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)