

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: P1307031

Luminaire Tested: LDSQA3D09R459024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307031  
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: LDSQA3D09R459024DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

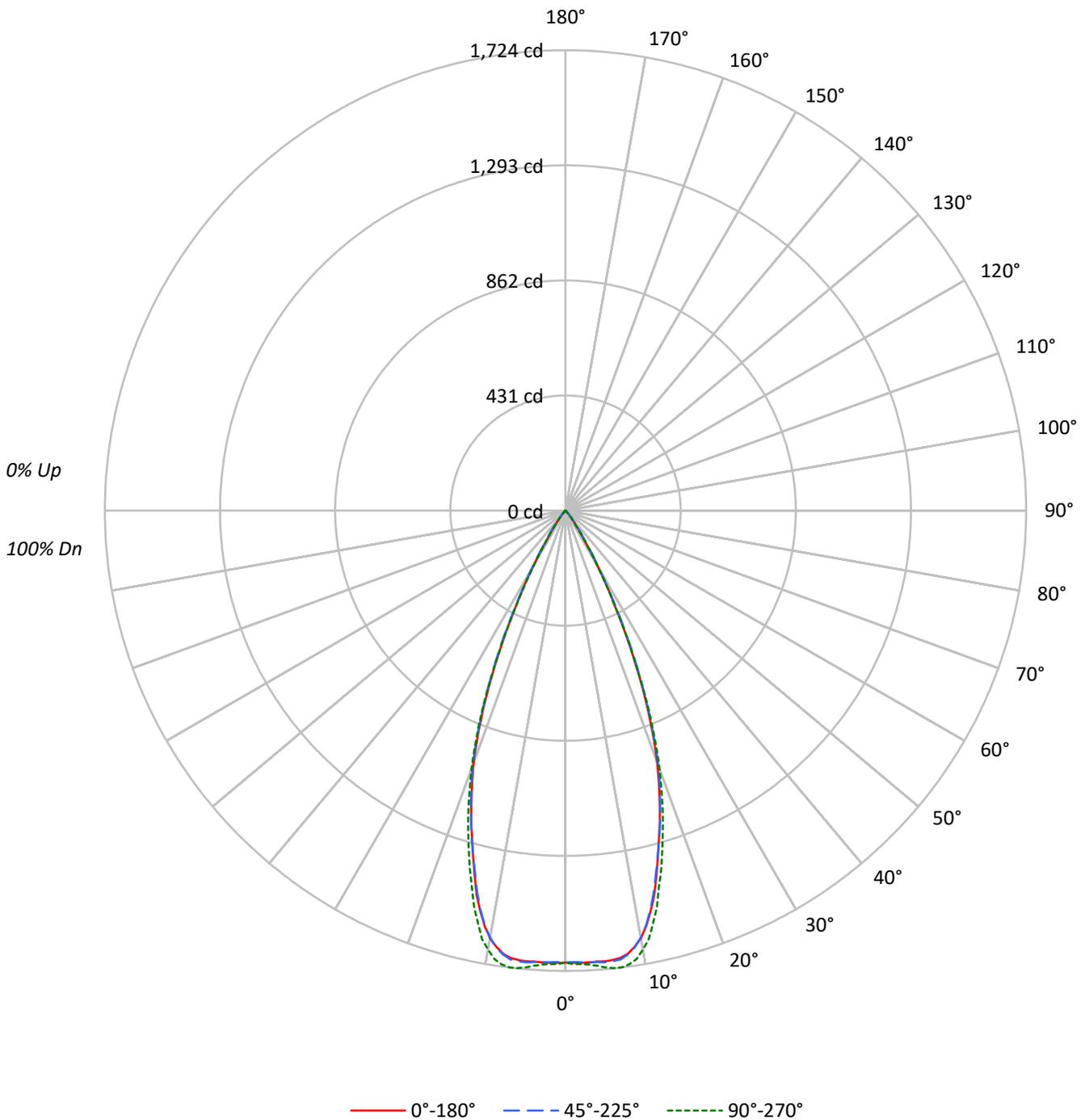
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 875.9 lumens  
Efficiency: N/A  
Efficacy: 78.9 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

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

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

	0°	45°	90°
0°	291504	291504	291504
5°	292946	293499	296853
10°	284249	284022	291926
15°	238224	238099	246854
20°	184155	186043	188664
25°	112895	115232	113142
30°	48424	50591	46873
35°	15201	18333	14801
40°	5216	6677	5081
45°	950	2825	779
50°	509	1045	509
55°	570	570	570
60°	448	448	448
65°	530	530	530
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: 2825 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.9	18.4
10°-20°	371.7	42.4
20°-30°	272.2	31.1
30°-40°	60.1	6.9
40°-50°	7.4	0.8
50°-60°	1.7	0.2
60°-70°	1.2	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°	804.7	91.9
0°-40°	864.9	98.7
0°-60°	873.9	99.8
0°-90°	875.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	875.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1693	1693	1693	1693	1693	
5°	1694	1693	1698	1710	1717	160
15°	1336	1329	1335	1368	1384	369
25°	594	594	606	602	595	269
35°	72	76	87	76	70	57
45°	4	6	12	6	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1692.6	1692.6	1692.6	1692.6	1692.6
1°	1693.8	1691.3	1690.6	1695.1	1698.4
2°	1695.1	1691.9	1692.6	1697.1	1699.0
3°	1693.8	1690.6	1693.8	1700.3	1702.9
4°	1693.2	1691.9	1695.1	1704.2	1708.7
5°	1694.5	1693.2	1697.7	1710.0	1717.1
6°	1692.6	1690.6	1697.1	1712.6	1722.9
7°	1688.0	1686.1	1693.2	1711.9	1723.5
8°	1675.8	1671.9	1679.0	1702.2	1716.4
9°	1653.8	1648.6	1655.7	1682.9	1699.7
10°	1625.4	1619.6	1624.1	1650.6	1669.3
11°	1584.7	1577.0	1582.1	1610.5	1635.1
12°	1533.0	1522.1	1528.5	1560.8	1578.3
13°	1476.9	1466.5	1467.8	1496.9	1521.4
14°	1407.1	1393.6	1399.4	1429.7	1449.1
15°	1336.1	1329.0	1335.4	1367.7	1384.5
17.5°	1173.4	1172.7	1178.5	1202.4	1211.5
20°	1004.8	1006.7	1015.1	1028.1	1029.4
22.5°	805.3	805.9	815.0	824.0	822.1
25°	594.1	593.5	606.4	601.9	595.4
27.5°	393.9	396.5	408.1	399.7	393.3
30°	243.5	248.6	254.4	244.1	235.7
32.5°	131.7	140.1	148.5	139.5	131.1
35°	72.3	76.2	87.2	76.2	70.4
37.5°	42.0	43.9	51.0	43.9	40.0
40°	23.2	26.5	29.7	26.5	22.6
42.5°	9.7	14.9	18.1	14.9	9.7
45°	3.9	6.5	11.6	6.5	3.2
47.5°	1.9	2.6	7.1	2.6	1.9
50°	1.9	1.9	3.9	1.9	1.9
52.5°	1.9	1.9	1.9	1.9	1.9
55°	1.9	1.9	1.9	1.9	1.9
57.5°	1.9	1.9	1.9	1.9	1.9
60°	1.3	1.3	1.3	1.9	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°	0.6	0.6	0.6	1.3	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



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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)