

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: P1318253

Luminaire Tested: LDSQA3D09R459830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318253  
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: LDSQA3D09R459830DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

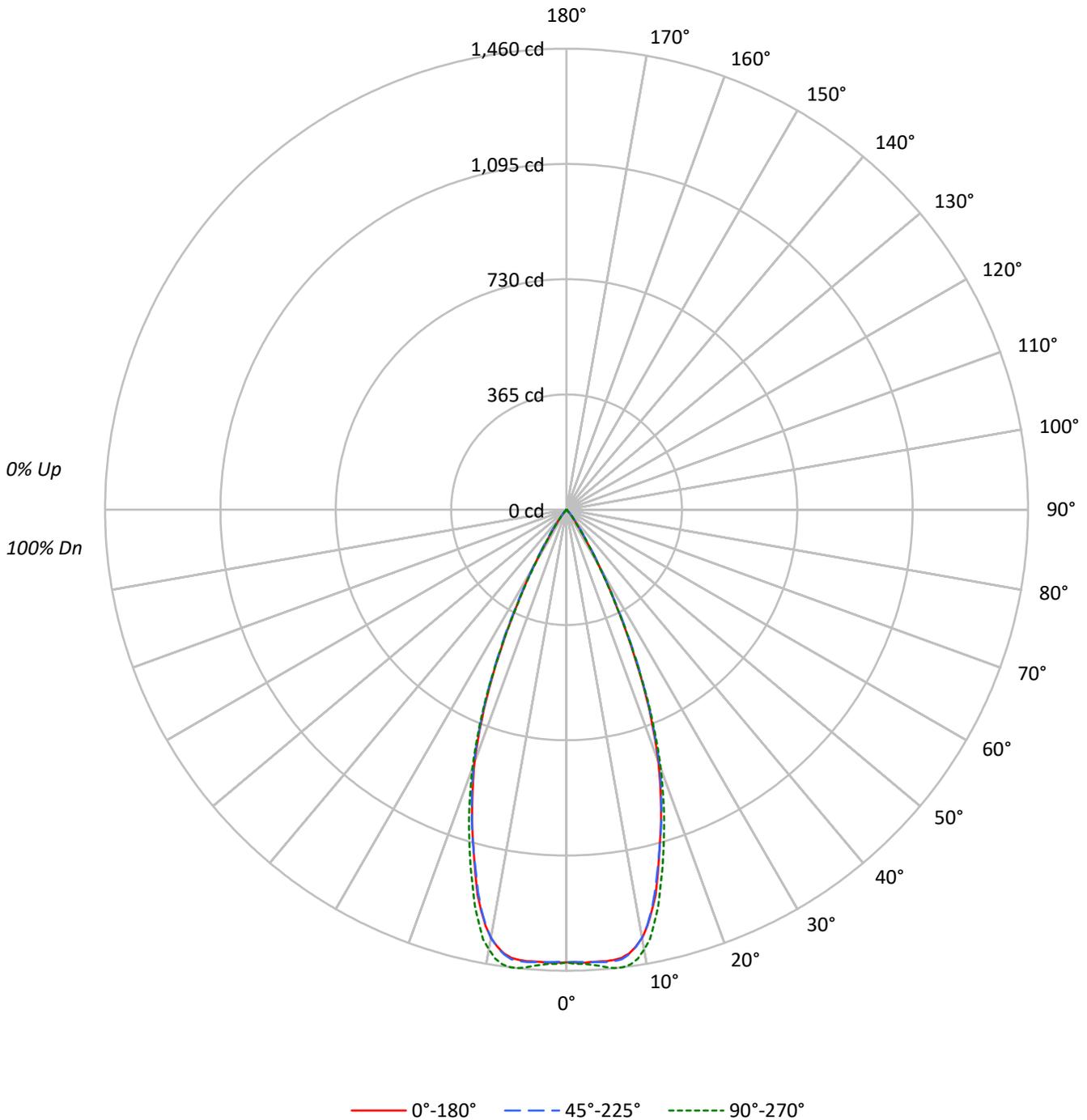
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 741.9 lumens  
Efficiency: N/A  
Efficacy: 67.4 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

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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°	246898	246898	246898
5°	248135	248602	251437
10°	240774	240582	247280
15°	201780	201691	209090
20°	155986	157599	159798
25°	95621	97598	95830
30°	41006	42856	39694
35°	12888	15516	12531
40°	4429	5665	4294
45°	804	2387	658
50°	429	884	429
55°	480	480	480
60°	379	379	379
65°	448	448	448
70°	252	252	252
75°	333	333	333
80°	496	496	496
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2387 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.3	18.4
10°-20°	314.8	42.4
20°-30°	230.5	31.1
30°-40°	50.9	6.9
40°-50°	6.2	0.8
50°-60°	1.4	0.2
60°-70°	1.0	0.1
70°-80°	0.5	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°	681.6	91.9
0°-40°	732.6	98.7
0°-60°	740.2	99.8
0°-90°	741.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	741.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1434	1434	1434	1434	1434	
5°	1435	1434	1438	1448	1454	136
15°	1132	1126	1131	1158	1173	312
25°	503	503	514	510	504	228
35°	61	64	74	64	60	48
45°	3	6	10	6	3	4
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1433.6	1433.6	1433.6	1433.6	1433.6
1°	1434.7	1432.6	1432.0	1435.8	1438.6
2°	1435.8	1433.1	1433.6	1437.5	1439.1
3°	1434.7	1432.0	1434.7	1440.2	1442.4
4°	1434.2	1433.1	1435.8	1443.5	1447.3
5°	1435.3	1434.2	1438.0	1448.4	1454.4
6°	1433.6	1432.0	1437.5	1450.6	1459.4
7°	1429.8	1428.2	1434.2	1450.1	1459.9
8°	1419.4	1416.1	1422.2	1441.9	1453.9
9°	1400.8	1396.5	1402.5	1425.4	1439.7
10°	1376.8	1371.8	1375.7	1398.1	1414.0
11°	1342.3	1335.7	1340.1	1364.2	1385.0
12°	1298.5	1289.2	1294.7	1322.1	1336.8
13°	1251.0	1242.2	1243.3	1267.9	1288.7
14°	1191.9	1180.4	1185.3	1211.0	1227.4
15°	1131.7	1125.7	1131.2	1158.5	1172.7
17.5°	993.9	993.3	998.2	1018.5	1026.1
20°	851.1	852.7	859.9	870.8	871.9
22.5°	682.1	682.6	690.3	698.0	696.3
25°	503.2	502.7	513.6	509.8	504.3
27.5°	333.7	335.8	345.7	338.6	333.1
30°	206.2	210.6	215.5	206.8	199.6
32.5°	111.6	118.7	125.8	118.1	111.0
35°	61.3	64.5	73.8	64.5	59.6
37.5°	35.6	37.2	43.2	37.2	33.9
40°	19.7	22.4	25.2	22.4	19.1
42.5°	8.2	12.6	15.3	12.6	8.2
45°	3.3	5.5	9.8	5.5	2.7
47.5°	1.6	2.2	6.0	2.2	1.6
50°	1.6	1.6	3.3	1.6	1.6
52.5°	1.6	1.6	1.6	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.1	1.1	1.1	1.6	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	0.5	0.5	0.5	1.1	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
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)