

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: P1317377

Luminaire Tested: LDSQA3D09R459827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317377  
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: LDSQA3D09R459827DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

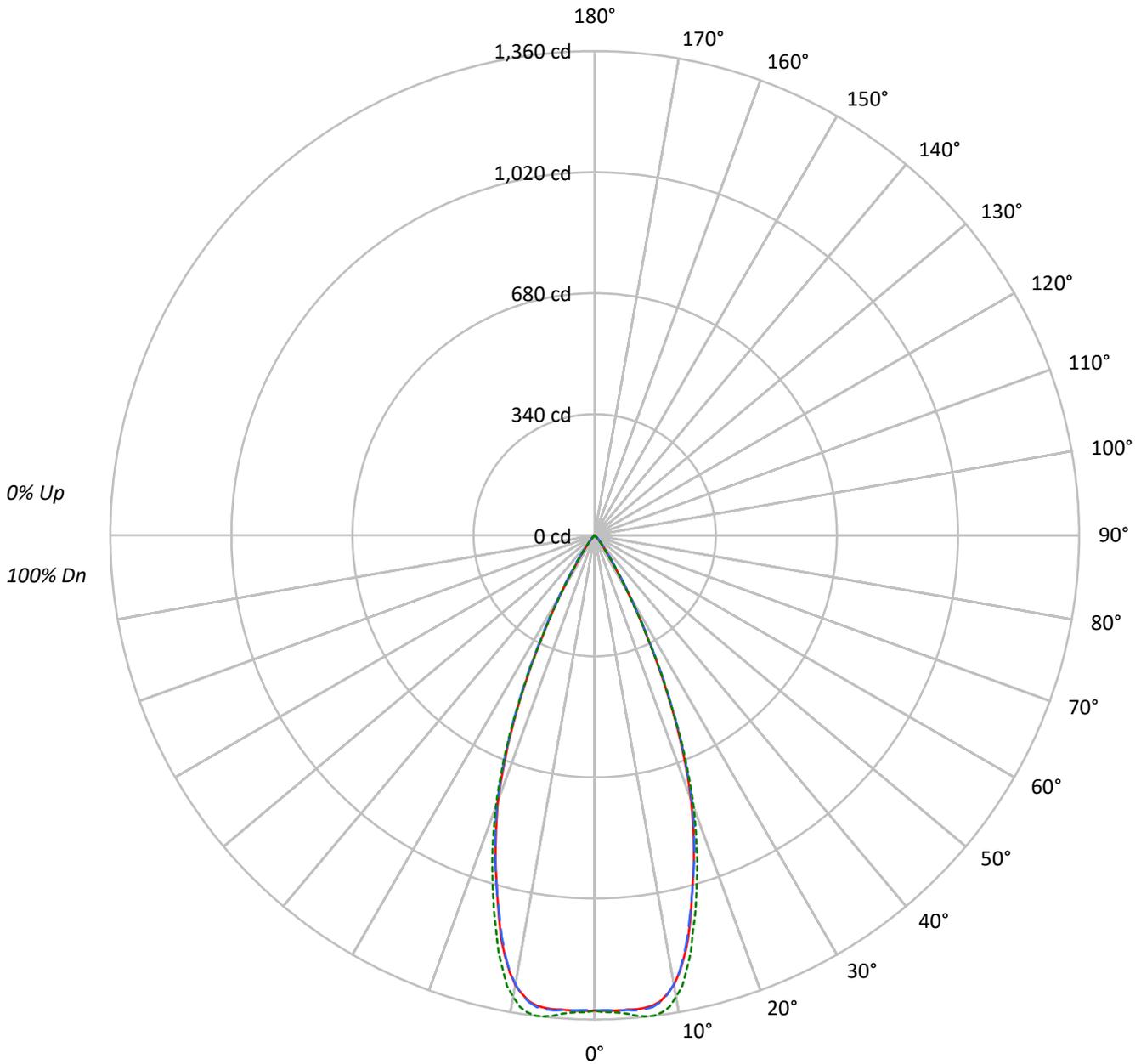
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 690.9 lumens  
Efficiency: N/A  
Efficacy: 62.8 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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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
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	87	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	70	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°	229934	229934	229934
5°	231072	231522	234167
10°	224213	224038	230281
15°	187908	187819	194719
20°	145264	146767	148820
25°	89046	90890	89256
30°	38182	39912	36969
35°	12005	14465	11669
40°	4114	5261	4002
45°	755	2241	609
50°	402	831	402
55°	450	450	450
60°	344	344	344
65°	408	408	408
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: 2241 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.9	18.4
10°-20°	293.2	42.4
20°-30°	214.7	31.1
30°-40°	47.4	6.9
40°-50°	5.8	0.8
50°-60°	1.3	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
<b>0°-30°</b>	<b>634.8</b>	<b>91.9</b>
<b>0°-40°</b>	<b>682.2</b>	<b>98.7</b>
<b>0°-60°</b>	<b>689.4</b>	<b>99.8</b>
<b>0°-90°</b>	<b>690.9</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>690.9</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1335	1335	1335	1335	1335	
5°	1337	1336	1339	1349	1354	126
15°	1054	1048	1053	1079	1092	291
25°	469	468	478	475	470	212
35°	57	60	69	60	56	45
45°	3	5	9	5	2	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°	1335.1	1335.1	1335.1	1335.1	1335.1
1°	1336.1	1334.1	1333.6	1337.1	1339.7
2°	1337.1	1334.6	1335.1	1338.7	1340.2
3°	1336.1	1333.6	1336.1	1341.2	1343.3
4°	1335.6	1334.6	1337.1	1344.3	1347.8
5°	1336.6	1335.6	1339.2	1348.9	1354.5
6°	1335.1	1333.6	1338.7	1350.9	1359.0
7°	1331.5	1330.0	1335.6	1350.4	1359.6
8°	1321.9	1318.8	1324.4	1342.7	1354.0
9°	1304.5	1300.5	1306.1	1327.5	1340.7
10°	1282.1	1277.5	1281.1	1302.0	1316.8
11°	1250.0	1243.9	1248.0	1270.4	1289.8
12°	1209.3	1200.6	1205.7	1231.2	1244.9
13°	1165.0	1156.8	1157.8	1180.8	1200.1
14°	1110.0	1099.3	1103.8	1127.8	1143.1
15°	1053.9	1048.3	1053.4	1078.9	1092.1
17.5°	925.6	925.0	929.6	948.5	955.6
20°	792.6	794.1	800.8	810.9	812.0
22.5°	635.2	635.7	642.8	650.0	648.5
25°	468.6	468.1	478.3	474.7	469.7
27.5°	310.7	312.8	321.9	315.3	310.2
30°	192.0	196.1	200.7	192.5	185.9
32.5°	103.9	110.5	117.2	110.0	103.4
35°	57.1	60.1	68.8	60.1	55.5
37.5°	33.1	34.6	40.2	34.6	31.6
40°	18.3	20.9	23.4	20.9	17.8
42.5°	7.6	11.7	14.3	11.7	7.6
45°	3.1	5.1	9.2	5.1	2.5
47.5°	1.5	2.0	5.6	2.0	1.5
50°	1.5	1.5	3.1	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.0	1.0	1.0	1.5	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	0.5	0.5	0.5	1.0	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)