

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: P1317286

Luminaire Tested: LDSQA3D09R159827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317286  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R159827DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

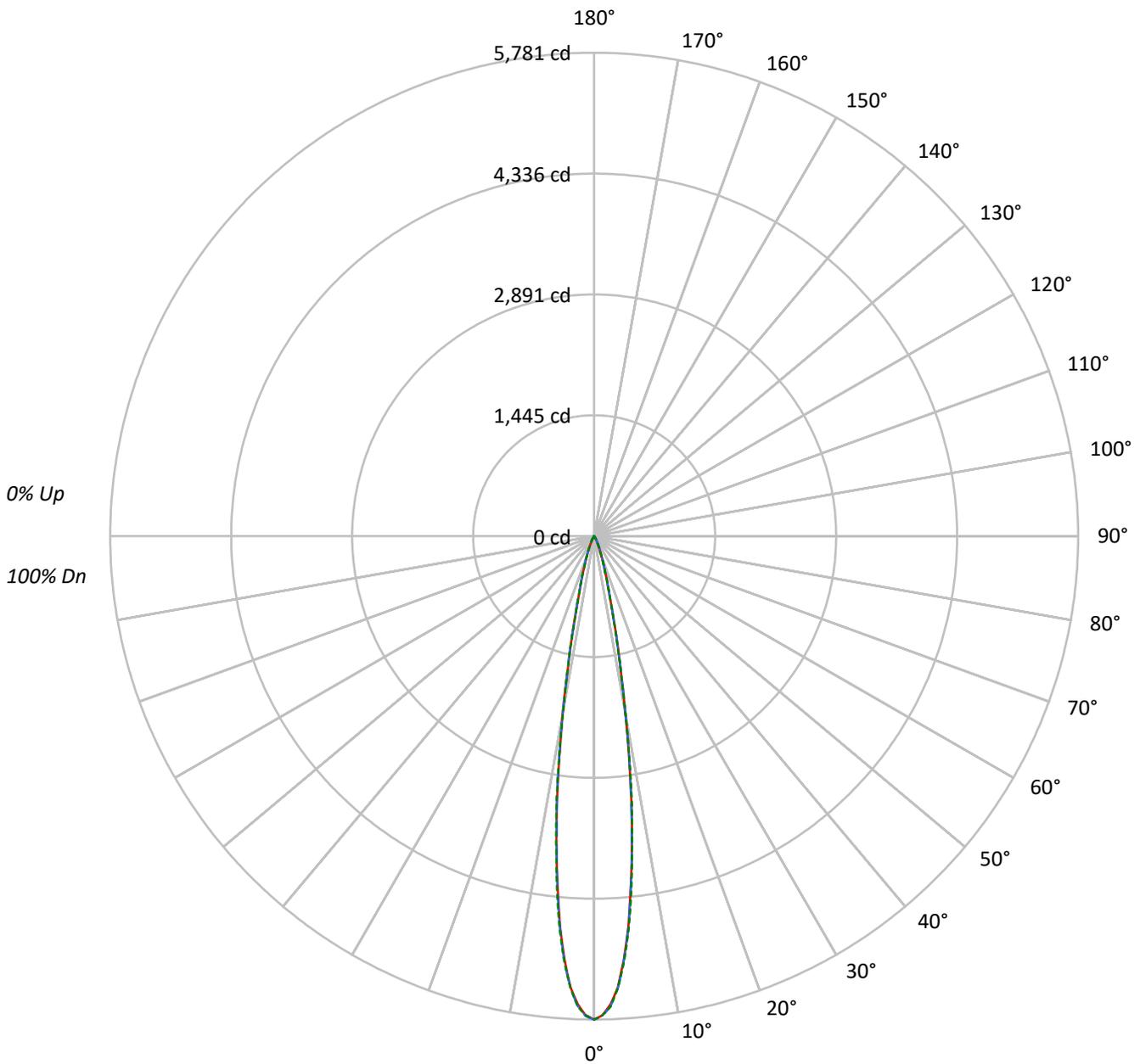
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 649.0 lumens  
Efficiency: N/A  
Efficacy: 59.0 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
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	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	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	91	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83

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

	0°	45°	90°
0°	995636	995636	995636
5°	809599	812417	815235
10°	377040	377407	375344
15°	116660	120833	118568
20°	46515	49118	45947
25°	19459	22955	18490
30°	7895	10540	7298
35°	2565	4815	2355
40°	922	1956	922
45°	365	609	365
50°	268	402	268
55°	300	300	300
60°	344	344	344
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 609 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	361.9	55.8
10°-20°	216.4	33.3
20°-30°	55.1	8.5
30°-40°	12.0	1.8
40°-50°	1.9	0.3
50°-60°	0.9	0.1
60°-70°	0.6	0.1
70°-80°	0.3	0.1
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°	633.3	97.6
0°-40°	645.2	99.4
0°-60°	648.1	99.9
0°-90°	649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	649.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5781	5781	5781	5781	5781	
5°	4683	4690	4699	4678	4716	361
15°	654	673	678	668	665	215
25°	102	110	121	107	97	52
35°	12	16	23	15	11	10
45°	2	2	2	2	2	1
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
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°	5781.1	5781.1	5781.1	5781.1	5781.1
1°	5730.7	5740.4	5741.9	5740.4	5732.2
2°	5601.8	5630.3	5624.2	5612.0	5629.3
3°	5402.5	5416.8	5414.7	5415.8	5411.7
4°	5078.4	5103.4	5089.1	5099.8	5100.8
5°	4683.0	4689.6	4699.3	4677.9	4715.6
6°	4196.4	4238.6	4201.4	4238.1	4252.9
7°	3701.6	3726.0	3678.6	3704.1	3719.4
8°	3195.5	3152.7	3178.7	3179.2	3229.7
9°	2649.3	2657.9	2679.9	2654.9	2676.8
10°	2156.0	2175.9	2158.1	2149.4	2146.3
11°	1702.5	1724.9	1723.4	1725.9	1709.1
12°	1369.7	1358.0	1365.7	1340.7	1351.9
13°	1066.0	1066.5	1060.4	1050.2	1041.1
14°	835.2	830.1	844.4	831.6	819.9
15°	654.3	672.6	677.7	668.1	665.0
17.5°	403.6	404.1	411.2	402.1	401.0
20°	253.8	259.9	268.0	258.4	250.7
22.5°	160.5	166.1	178.9	166.6	155.9
25°	102.4	109.6	120.8	107.0	97.3
27.5°	64.2	70.8	81.5	68.8	61.7
30°	39.7	44.3	53.0	43.3	36.7
32.5°	22.9	27.5	34.7	26.0	21.9
35°	12.2	15.8	22.9	15.3	11.2
37.5°	7.1	9.2	14.8	8.2	6.6
40°	4.1	5.6	8.7	5.1	4.1
42.5°	2.5	3.6	4.1	3.1	2.0
45°	1.5	2.0	2.5	2.0	1.5
47.5°	1.0	1.5	2.0	1.0	1.0
50°	1.0	1.0	1.5	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	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°	0.0	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)