

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: P1319948

Luminaire Tested: LDSQA3D09R259840DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319948  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R259840DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

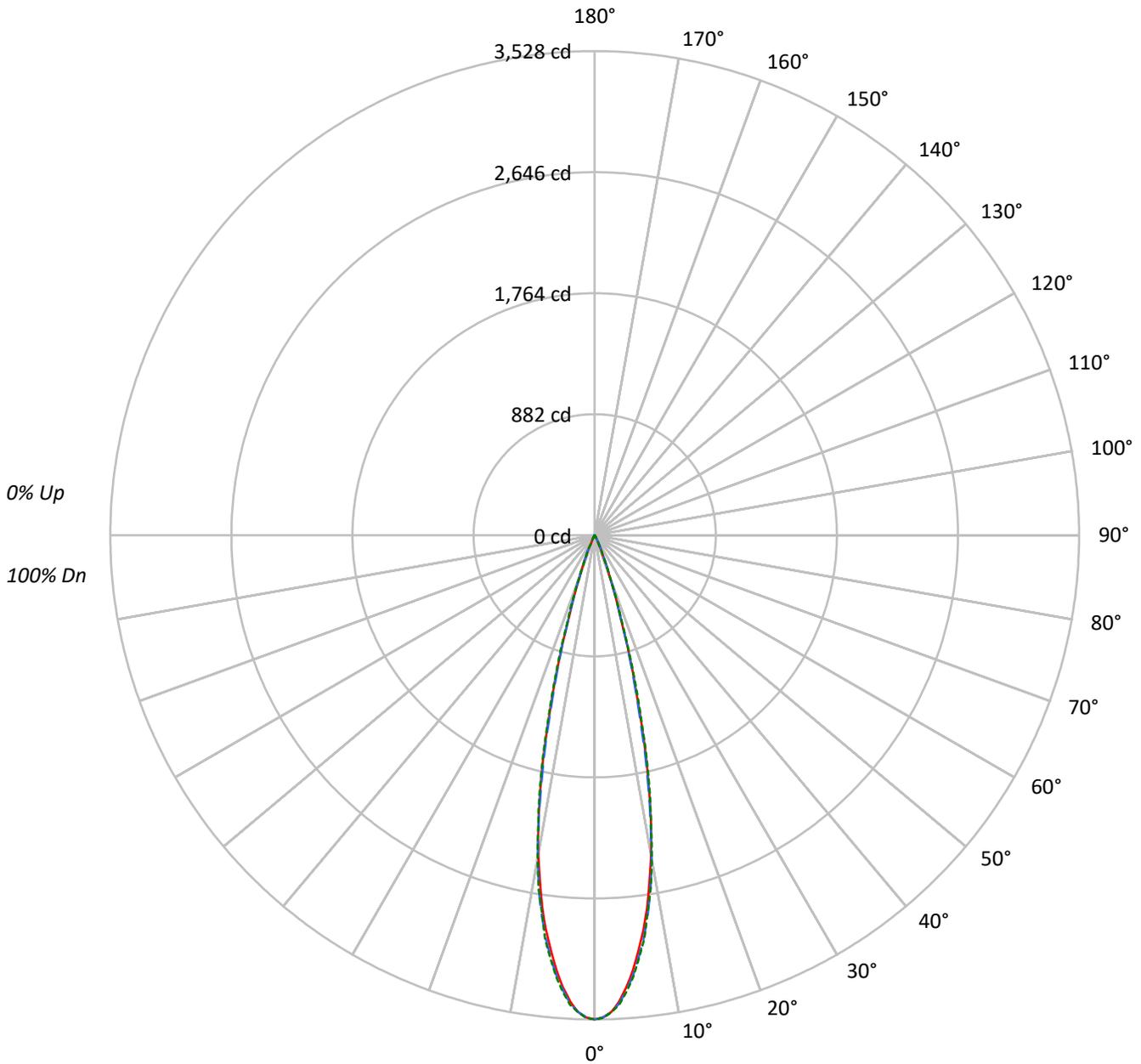
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 651.0 lumens  
Efficiency: N/A  
Efficacy: 59.2 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
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	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	99	99	99	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	96	96	96	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	94	94	94	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	92	92	92	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	89	89	89	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	87	87	87	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	86	86	86	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	85	84	84	84	84	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	82	82	82	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80	80

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

	0°	45°	90°
0°	607515	607515	607515
5°	550521	555534	558248
10°	413852	416808	418731
15°	204918	198820	212068
20°	57878	58831	59473
25°	10033	18965	11915
30°	3918	4037	4156
35°	1219	1346	1346
40°	382	517	382
45°	292	146	292
50°	161	0	161
55°	180	0	180
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: 0°

Vertical Angle: 45°

Luminance: 292 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	280.2	43.0
10°-20°	316.0	48.5
20°-30°	49.0	7.5
30°-40°	5.0	0.8
40°-50°	0.7	0.1
50°-60°	0.1	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°	645.3	99.1
0°-40°	650.2	99.9
0°-60°	651.0	100.0
0°-90°	651.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	651.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3528	3528	3528	3528	3528	
5°	3184	3190	3213	3226	3229	278
15°	1149	1141	1115	1165	1189	315
25°	53	78	100	76	63	44
35°	6	6	6	7	6	5
45°	1	1	1	1	1	1
55°	1	0	0	0	1	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°	3527.5	3527.5	3527.5	3527.5	3527.5
1°	3512.9	3517.6	3512.4	3518.2	3517.6
2°	3476.4	3481.0	3474.6	3478.1	3478.1
3°	3401.5	3411.4	3417.2	3421.2	3424.7
4°	3302.8	3313.8	3322.6	3333.0	3333.0
5°	3184.4	3190.2	3213.4	3226.2	3229.1
6°	3043.4	3066.6	3084.0	3109.5	3093.9
7°	2902.3	2921.5	2945.8	2949.9	2960.9
8°	2742.1	2762.4	2785.0	2781.0	2771.7
9°	2547.1	2576.7	2603.4	2594.7	2606.3
10°	2366.5	2384.5	2383.4	2374.7	2394.4
11°	2157.0	2161.1	2138.4	2173.8	2152.3
12°	1908.6	1912.0	1883.0	1917.8	1939.9
13°	1670.6	1662.4	1622.4	1668.2	1696.1
14°	1396.6	1399.5	1348.4	1437.2	1430.3
15°	1149.3	1141.2	1115.1	1165.0	1189.4
17.5°	612.4	617.6	611.2	636.2	651.9
20°	315.8	324.5	321.0	331.4	324.5
22.5°	163.7	175.9	179.4	171.2	149.2
25°	52.8	78.4	99.8	76.0	62.7
27.5°	31.9	31.3	48.8	33.7	34.2
30°	19.7	19.2	20.3	20.3	20.9
32.5°	11.0	11.6	11.0	12.2	11.6
35°	5.8	6.4	6.4	7.0	6.4
37.5°	3.5	4.1	4.1	4.1	3.5
40°	1.7	2.3	2.3	1.7	1.7
42.5°	1.2	1.2	1.2	1.2	1.2
45°	1.2	0.6	0.6	0.6	1.2
47.5°	0.6	0.6	0.0	0.6	0.6
50°	0.6	0.6	0.0	0.6	0.6
52.5°	0.6	0.0	0.0	0.0	0.6
55°	0.6	0.0	0.0	0.0	0.6
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)