

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: P1318209

Luminaire Tested: LDSQA3D09R309830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318209  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R309830DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

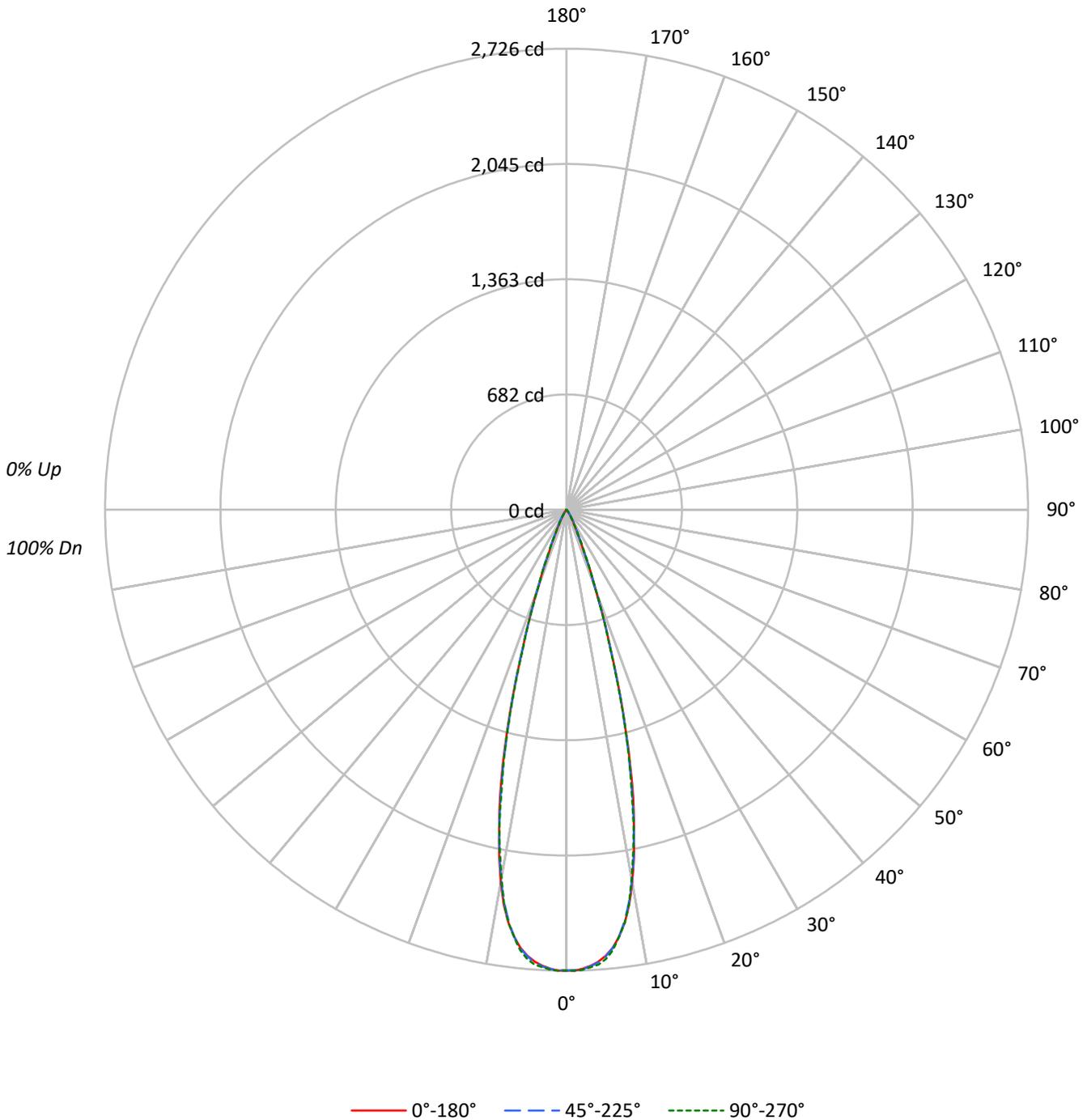
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 703.0 lumens  
Efficiency: N/A  
Efficacy: 63.9 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
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 (Ain): 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				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	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	99	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	95	94	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	91	89	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	87	84	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	84	82	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	82	80	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	80	78	76	75

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

	0°	45°	90°
0°	469221	469221	469221
5°	457770	458341	460899
10°	390978	389159	386868
15°	241273	238456	239329
20°	91180	91693	91583
25°	28048	30746	29302
30°	11315	14358	11733
35°	3343	6097	3448
40°	1349	2451	1349
45°	268	804	268
50°	0	134	0
55°	0	0	0
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: 45°

Vertical Angle: 45°

Luminance: 804 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.3	34.2
10°-20°	355.8	50.6
20°-30°	88.3	12.6
30°-40°	16.6	2.4
40°-50°	2.1	0.3
50°-60°	0.0	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°	684.3	97.3
0°-40°	700.9	99.7
0°-60°	703.0	100.0
0°-90°	703.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	703.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2724	2724	2724	2724	2724	
5°	2648	2647	2651	2656	2666	240
15°	1353	1340	1337	1348	1342	358
25°	148	158	162	161	154	85
35°	16	21	29	21	16	13
45°	1	2	3	2	1	1
55°	0	0	0	0	0	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°	2724.5	2724.5	2724.5	2724.5	2724.5
1°	2725.5	2723.4	2723.4	2720.1	2726.1
2°	2715.7	2713.5	2717.3	2714.6	2722.3
3°	2700.9	2698.2	2703.7	2705.3	2709.1
4°	2679.1	2676.9	2682.9	2686.2	2696.6
5°	2647.9	2646.8	2651.2	2655.6	2666.0
6°	2605.3	2603.6	2606.4	2611.8	2618.4
7°	2543.5	2540.2	2542.4	2543.5	2545.1
8°	2465.3	2460.4	2457.6	2463.7	2466.9
9°	2364.7	2359.2	2353.2	2351.0	2358.7
10°	2235.7	2227.5	2225.3	2219.8	2212.2
11°	2085.9	2079.3	2077.7	2067.8	2063.4
12°	1914.2	1910.9	1914.7	1908.7	1906.5
13°	1749.6	1728.8	1726.1	1714.6	1708.6
14°	1555.0	1535.8	1535.3	1529.3	1537.5
15°	1353.2	1340.1	1337.4	1347.7	1342.3
17.5°	862.8	871.5	869.3	863.9	854.6
20°	497.5	491.5	500.3	502.5	499.7
22.5°	265.2	267.4	269.0	275.6	279.9
25°	147.6	157.5	161.8	161.3	154.2
27.5°	91.9	97.9	106.1	100.6	94.6
30°	56.9	61.8	72.2	62.3	59.0
32.5°	30.6	38.8	46.5	38.8	31.7
35°	15.9	20.8	29.0	21.3	16.4
37.5°	10.4	12.0	18.6	12.0	10.4
40°	6.0	7.7	10.9	7.7	6.0
42.5°	2.7	4.4	6.0	4.4	2.7
45°	1.1	1.6	3.3	2.2	1.1
47.5°	0.0	0.5	1.6	0.5	0.0
50°	0.0	0.0	0.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
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)