

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: P1312767

Luminaire Tested: LDSQA3D17R509050DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312767  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R509050DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

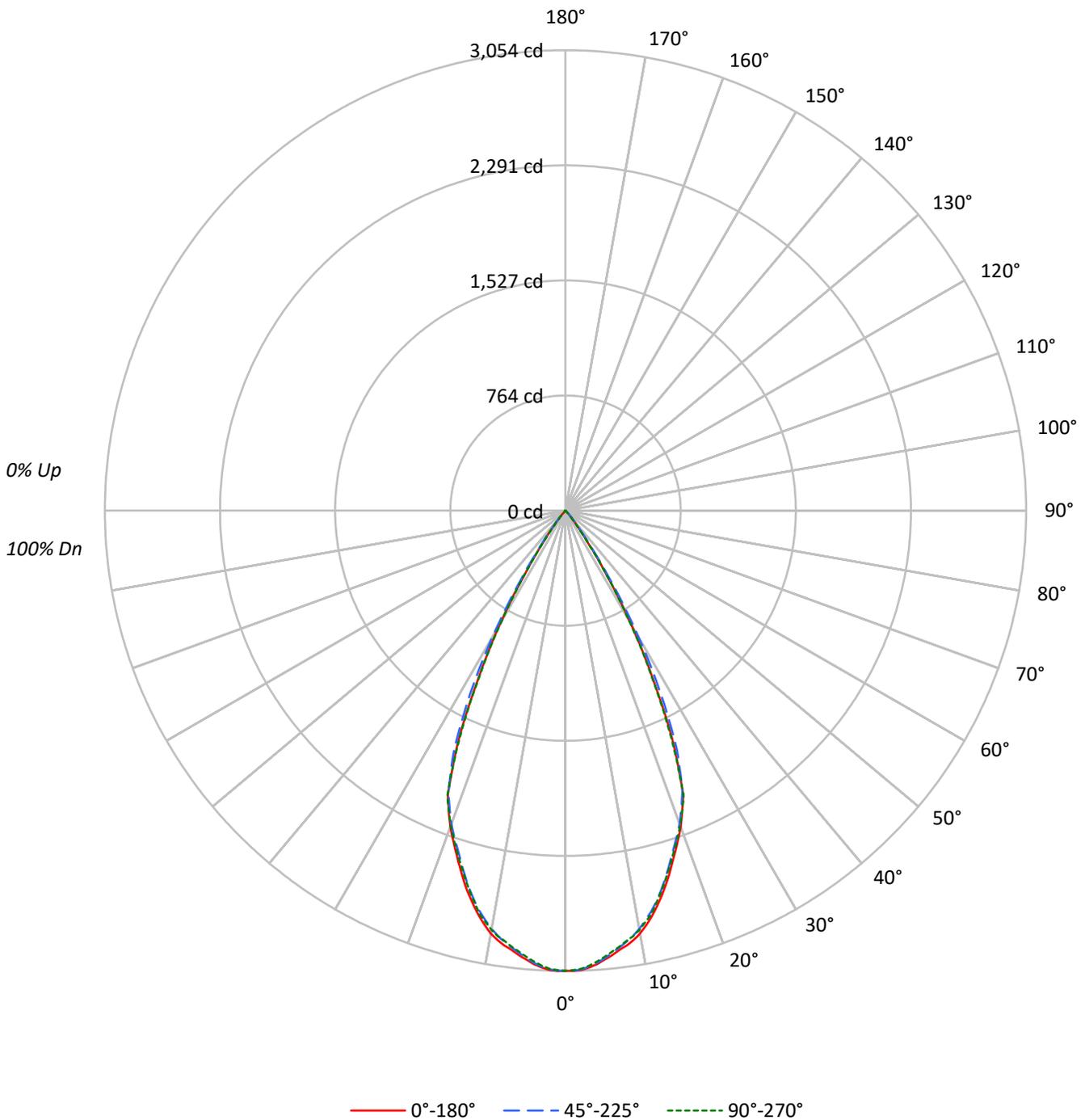
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1966.0 lumens  
Efficiency: N/A  
Efficacy: 92.7 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

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

	0°	45°	90°
0°	525796	525796	525796
5°	516619	515167	513714
10°	498249	492845	493825
15°	458351	452574	453840
20°	409291	405424	407733
25°	318542	331901	315064
30°	172556	192681	169473
35°	54411	64755	53213
40°	12005	16749	11376
45°	341	5139	341
50°	0	750	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: 5139 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	279.7	14.2
10°-20°	710.7	36.1
20°-30°	748.5	38.1
30°-40°	213.8	10.9
40°-50°	13.2	0.7
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°	1738.9	88.4
0°-40°	1952.7	99.3
0°-60°	1966.0	100.0
0°-90°	1966.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1966.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3053	3053	3053	3053	3053	
5°	2988	2986	2980	2977	2972	281
15°	2571	2554	2538	2542	2545	716
25°	1676	1738	1747	1727	1658	733
35°	259	277	308	262	253	202
45°	1	7	21	7	1	8
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°	3053.0	3053.0	3053.0	3053.0	3053.0
1°	3054.4	3055.8	3053.0	3055.8	3048.8
2°	3050.2	3047.4	3044.6	3046.0	3041.8
3°	3034.7	3033.3	3027.7	3029.1	3023.5
4°	3015.1	3010.8	3006.6	3003.8	2998.2
5°	2988.3	2985.5	2979.9	2977.1	2971.5
6°	2965.8	2960.2	2950.4	2947.6	2941.9
7°	2936.3	2933.5	2920.8	2918.0	2915.2
8°	2913.8	2905.4	2889.9	2891.3	2884.3
9°	2884.3	2873.0	2857.6	2857.6	2859.0
10°	2849.1	2832.2	2818.2	2822.4	2823.8
11°	2802.7	2791.5	2770.4	2780.2	2780.2
12°	2752.1	2738.0	2722.6	2731.0	2736.6
13°	2693.0	2681.8	2667.7	2676.1	2673.3
14°	2635.4	2614.3	2604.4	2615.7	2611.5
15°	2570.7	2553.8	2538.3	2542.5	2545.4
17.5°	2397.7	2379.4	2368.2	2369.6	2382.2
20°	2233.2	2226.1	2212.1	2217.7	2224.7
22.5°	2039.1	2041.9	2025.0	2029.3	2046.1
25°	1676.3	1738.2	1746.6	1726.9	1658.0
27.5°	1241.7	1334.6	1362.7	1317.7	1233.3
30°	867.7	893.0	968.9	883.1	852.2
32.5°	509.1	547.0	587.8	528.8	507.7
35°	258.8	277.0	308.0	261.6	253.1
37.5°	119.5	128.0	140.6	119.5	112.5
40°	53.4	63.3	74.5	60.5	50.6
42.5°	16.9	29.5	39.4	26.7	15.5
45°	1.4	7.0	21.1	7.0	1.4
47.5°	0.0	1.4	8.4	1.4	0.0
50°	0.0	0.0	2.8	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)