

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: P1311039

Luminaire Tested: LDSQA3D02R509040DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311039  
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: LDSQA3D02R509040DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

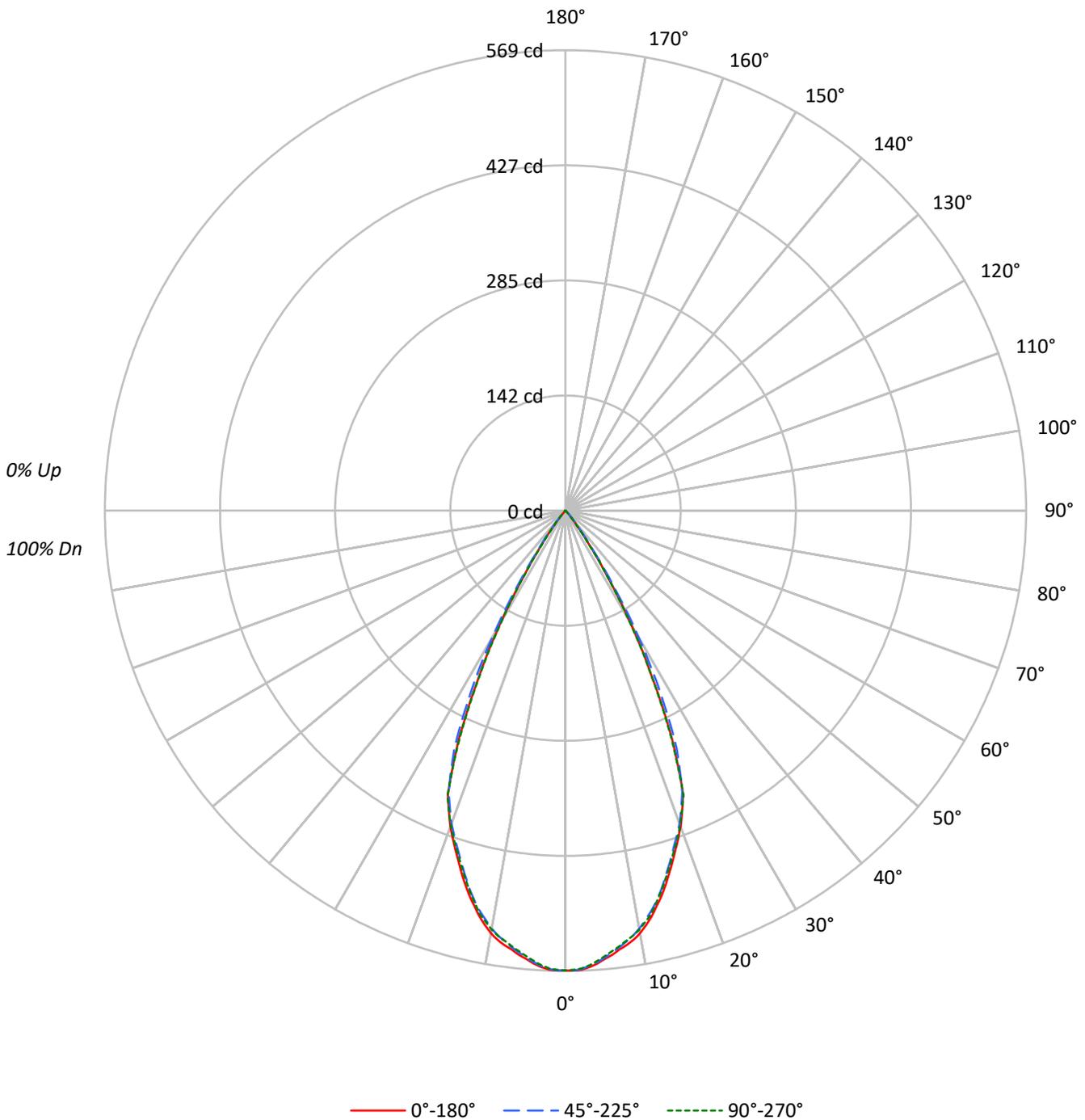
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 366.0 lumens  
Efficiency: N/A  
Efficacy: 101.7 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): 3.6  
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	100	100	100	100
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95	95	95	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90	90	90	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85	85	85	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80	80	80	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76	76	76	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72	72	72	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	69	69	69	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65	65	65	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	62	62	62	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	59	59	59	59

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

	0°	45°	90°
0°	97891	97891	97891
5°	96173	95914	95637
10°	92756	91742	91934
15°	85333	84246	84495
20°	76188	75473	75913
25°	59307	61797	58661
30°	32117	35875	31560
35°	10134	12047	9903
40°	2226	3125	2113
45°	73	950	73
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: 950 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.1	14.2
10°-20°	132.3	36.1
20°-30°	139.4	38.1
30°-40°	39.8	10.9
40°-50°	2.5	0.7
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°	323.7	88.4
0°-40°	363.5	99.3
0°-60°	366.0	100.0
0°-90°	366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	366.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	568	568	568	568	568	
5°	556	556	555	554	553	52
15°	479	475	472	473	474	133
25°	312	324	325	322	309	137
35°	48	52	57	49	47	38
45°	0	1	4	1	0	2
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°	568.4	568.4	568.4	568.4	568.4
1°	568.6	568.9	568.4	568.9	567.6
2°	567.8	567.3	566.8	567.1	566.3
3°	565.0	564.7	563.7	563.9	562.9
4°	561.3	560.5	559.7	559.2	558.2
5°	556.3	555.8	554.8	554.2	553.2
6°	552.1	551.1	549.3	548.7	547.7
7°	546.6	546.1	543.8	543.2	542.7
8°	542.4	540.9	538.0	538.3	537.0
9°	537.0	534.9	532.0	532.0	532.2
10°	530.4	527.3	524.6	525.4	525.7
11°	521.8	519.7	515.7	517.6	517.6
12°	512.3	509.7	506.8	508.4	509.5
13°	501.3	499.3	496.6	498.2	497.7
14°	490.6	486.7	484.9	486.9	486.2
15°	478.6	475.4	472.5	473.3	473.9
17.5°	446.4	443.0	440.9	441.1	443.5
20°	415.7	414.4	411.8	412.9	414.2
22.5°	379.6	380.1	377.0	377.8	380.9
25°	312.1	323.6	325.2	321.5	308.7
27.5°	231.2	248.4	253.7	245.3	229.6
30°	161.5	166.2	180.4	164.4	158.7
32.5°	94.8	101.8	109.4	98.4	94.5
35°	48.2	51.6	57.3	48.7	47.1
37.5°	22.3	23.8	26.2	22.3	20.9
40°	9.9	11.8	13.9	11.3	9.4
42.5°	3.1	5.5	7.3	5.0	2.9
45°	0.3	1.3	3.9	1.3	0.3
47.5°	0.0	0.3	1.6	0.3	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)