

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: P1311689

Luminaire Tested: LDSQA3D17R509040DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311689  
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: LDSQA3D17R509040DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

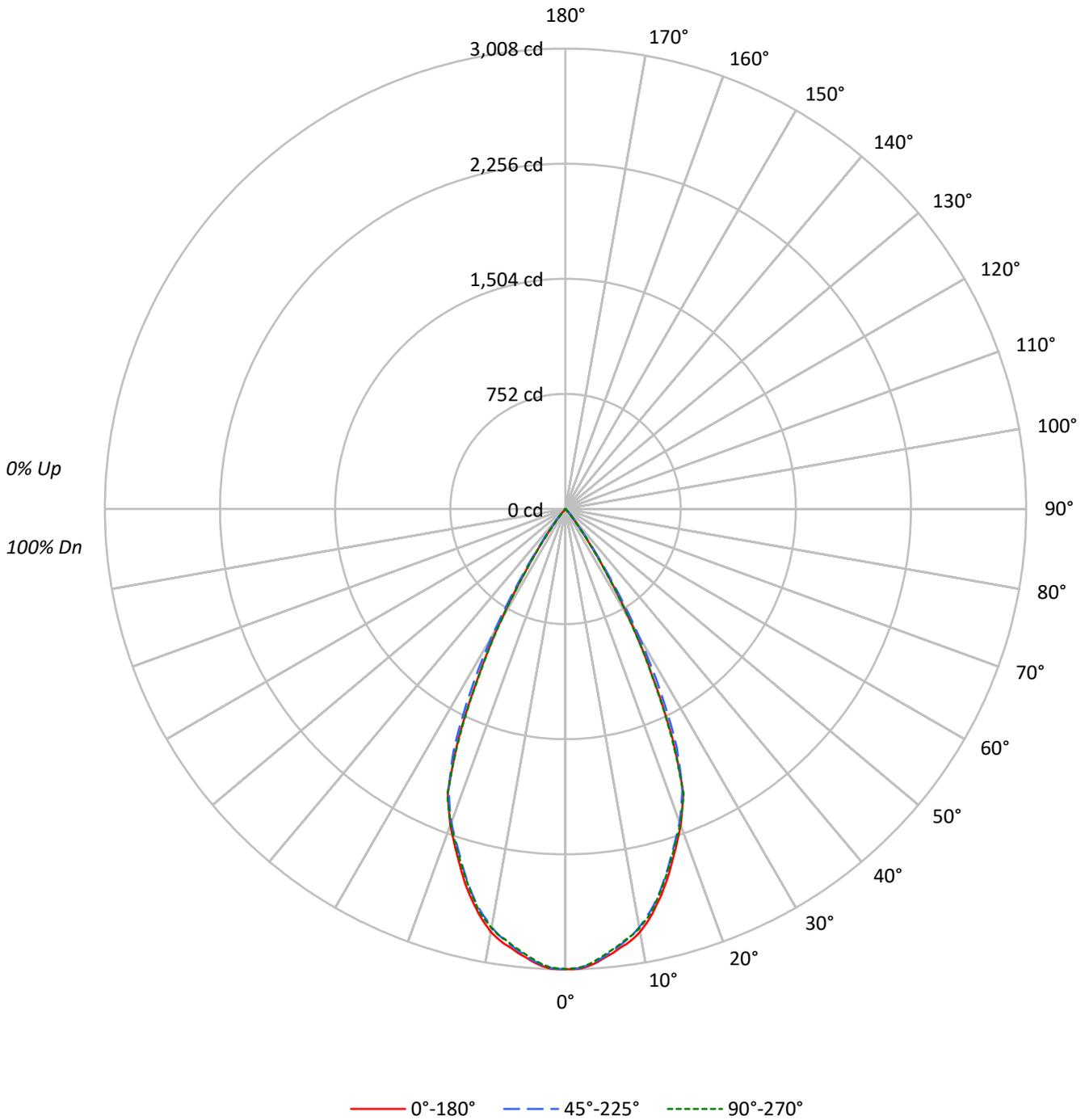
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1936.0 lumens  
Efficiency: N/A  
Efficacy: 91.3 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				
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°	517770	517770	517770
5°	508735	507301	505866
10°	490642	485325	486287
15°	451344	445674	446904
20°	403041	399229	401520
25°	313677	326827	310257
30°	169911	189738	166888
35°	53570	63767	52414
40°	11826	16502	11219
45°	341	5066	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: 5066 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.4	14.2
10°-20°	699.8	36.1
20°-30°	737.1	38.1
30°-40°	210.5	10.9
40°-50°	13.0	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°	1712.4	88.4
0°-40°	1922.9	99.3
0°-60°	1936.0	100.0
0°-90°	1936.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1936.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3006	3006	3006	3006	3006	
5°	2943	2940	2934	2932	2926	277
15°	2531	2515	2500	2504	2506	705
25°	1651	1712	1720	1701	1633	722
35°	255	273	303	258	249	199
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°	3006.4	3006.4	3006.4	3006.4	3006.4
1°	3007.8	3009.2	3006.4	3009.2	3002.3
2°	3003.7	3000.9	2998.1	2999.5	2995.4
3°	2988.4	2987.1	2981.5	2982.9	2977.4
4°	2969.0	2964.9	2960.7	2958.0	2952.4
5°	2942.7	2940.0	2934.4	2931.7	2926.1
6°	2920.6	2915.0	2905.3	2902.6	2897.0
7°	2891.5	2888.7	2876.3	2873.5	2870.7
8°	2869.3	2861.0	2845.8	2847.2	2840.3
9°	2840.3	2829.2	2813.9	2813.9	2815.3
10°	2805.6	2789.0	2775.2	2779.3	2780.7
11°	2759.9	2748.9	2728.1	2737.8	2737.8
12°	2710.1	2696.2	2681.0	2689.3	2694.9
13°	2651.9	2640.8	2627.0	2635.3	2632.5
14°	2595.1	2574.4	2564.7	2575.8	2571.6
15°	2531.4	2514.8	2499.6	2503.7	2506.5
17.5°	2361.1	2343.1	2332.0	2333.4	2345.9
20°	2199.1	2192.2	2178.3	2183.9	2190.8
22.5°	2008.0	2010.8	1994.1	1998.3	2014.9
25°	1650.7	1711.6	1719.9	1700.6	1632.7
27.5°	1222.8	1314.2	1341.9	1297.6	1214.5
30°	854.4	879.4	954.1	869.7	839.2
32.5°	501.3	538.7	578.9	520.7	499.9
35°	254.8	272.8	303.3	257.6	249.3
37.5°	117.7	126.0	138.5	117.7	110.8
40°	52.6	62.3	73.4	59.5	49.9
42.5°	16.6	29.1	38.8	26.3	15.2
45°	1.4	6.9	20.8	6.9	1.4
47.5°	0.0	1.4	8.3	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)