

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: P1312768

Luminaire Tested: LDSQA3D17R509050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R509050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

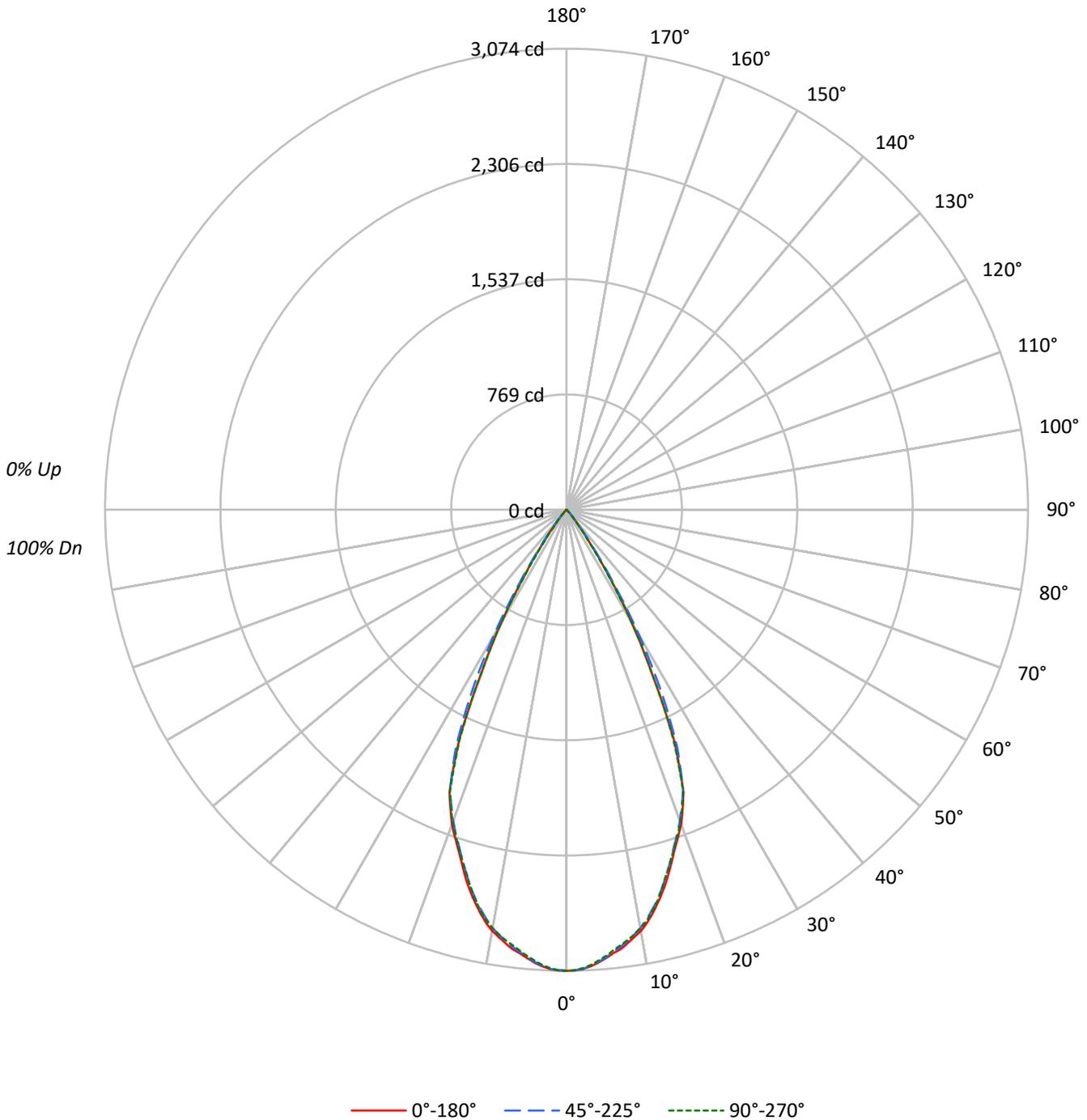
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1981.0 lumens
Efficiency: N/A
Efficacy: 93.4 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 (A_{in}): 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	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	529412	529412	529412
5°	519039	518054	516602
10°	498721	495276	495521
15°	457816	453554	453055
20°	409016	404617	406688
25°	321468	330817	318789
30°	171979	192681	172536
35°	56177	65638	52919
40°	13916	17379	13287
45°	1705	6162	1705
50°	1125	1876	1125
55°	1261	1261	1261
60°	964	964	964
65°	1141	1141	1141
70°	705	705	705
75°	932	932	932
80°	1389	1389	1389
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 6162 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.1	14.2
10°-20°	710.9	35.9
20°-30°	747.7	37.7
30°-40°	215.5	10.9
40°-50°	17.5	0.9
50°-60°	3.8	0.2
60°-70°	2.7	0.1
70°-80°	1.5	0.1
80°-90°	0.4	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°	1739.7	87.8
0°-40°	1955.2	98.7
0°-60°	1976.4	99.8
0°-90°	1981.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1981.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3074	3074	3074	3074	3074	
5°	3002	3001	2997	2999	2988	282
15°	2568	2551	2544	2544	2541	715
25°	1692	1734	1741	1721	1678	733
35°	267	277	312	267	252	207
45°	7	14	25	14	7	13
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
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°	3074.0	3074.0	3074.0	3074.0	3074.0
1°	3072.6	3075.4	3069.7	3079.6	3071.2
2°	3065.5	3066.9	3064.1	3071.2	3059.9
3°	3048.7	3051.5	3045.8	3051.5	3041.6
4°	3029.0	3029.0	3023.3	3027.6	3014.9
5°	3002.3	3000.8	2996.6	2999.4	2988.2
6°	2974.1	2972.7	2965.7	2965.7	2957.3
7°	2953.0	2943.2	2937.6	2936.2	2927.7
8°	2919.3	2916.5	2905.2	2905.2	2899.6
9°	2885.5	2882.7	2870.1	2872.9	2868.7
10°	2851.8	2841.9	2832.1	2833.5	2833.5
11°	2806.8	2798.4	2784.3	2789.9	2792.7
12°	2753.4	2743.5	2730.9	2742.1	2740.7
13°	2694.3	2685.9	2676.0	2684.4	2681.6
14°	2632.4	2619.8	2611.3	2617.0	2614.1
15°	2567.7	2550.9	2543.8	2543.8	2541.0
17.5°	2386.3	2376.5	2369.5	2365.2	2375.1
20°	2231.7	2223.2	2207.7	2212.0	2219.0
22.5°	2037.6	2036.2	2027.8	2020.7	2029.2
25°	1691.7	1733.9	1740.9	1721.2	1677.6
27.5°	1229.0	1327.5	1362.6	1316.2	1236.1
30°	864.8	911.2	968.9	877.5	867.6
32.5°	521.7	534.4	587.8	524.5	510.5
35°	267.2	277.0	312.2	267.2	251.7
37.5°	125.2	130.8	144.8	125.2	116.7
40°	61.9	68.9	77.3	64.7	59.1
42.5°	26.7	35.2	45.0	33.7	23.9
45°	7.0	14.1	25.3	14.1	7.0
47.5°	4.2	5.6	14.1	5.6	4.2
50°	4.2	4.2	7.0	4.2	4.2
52.5°	4.2	4.2	4.2	4.2	4.2
55°	4.2	4.2	4.2	4.2	4.2
57.5°	4.2	4.2	4.2	4.2	4.2
60°	2.8	4.2	2.8	4.2	2.8
62.5°	2.8	2.8	2.8	2.8	2.8
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8	2.8
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4
82.5°	0.0	1.4	0.0	1.4	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)