

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: P1309455

Luminaire Tested: LDSQA3D17R509030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309455
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: LDSQA3D17R509030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

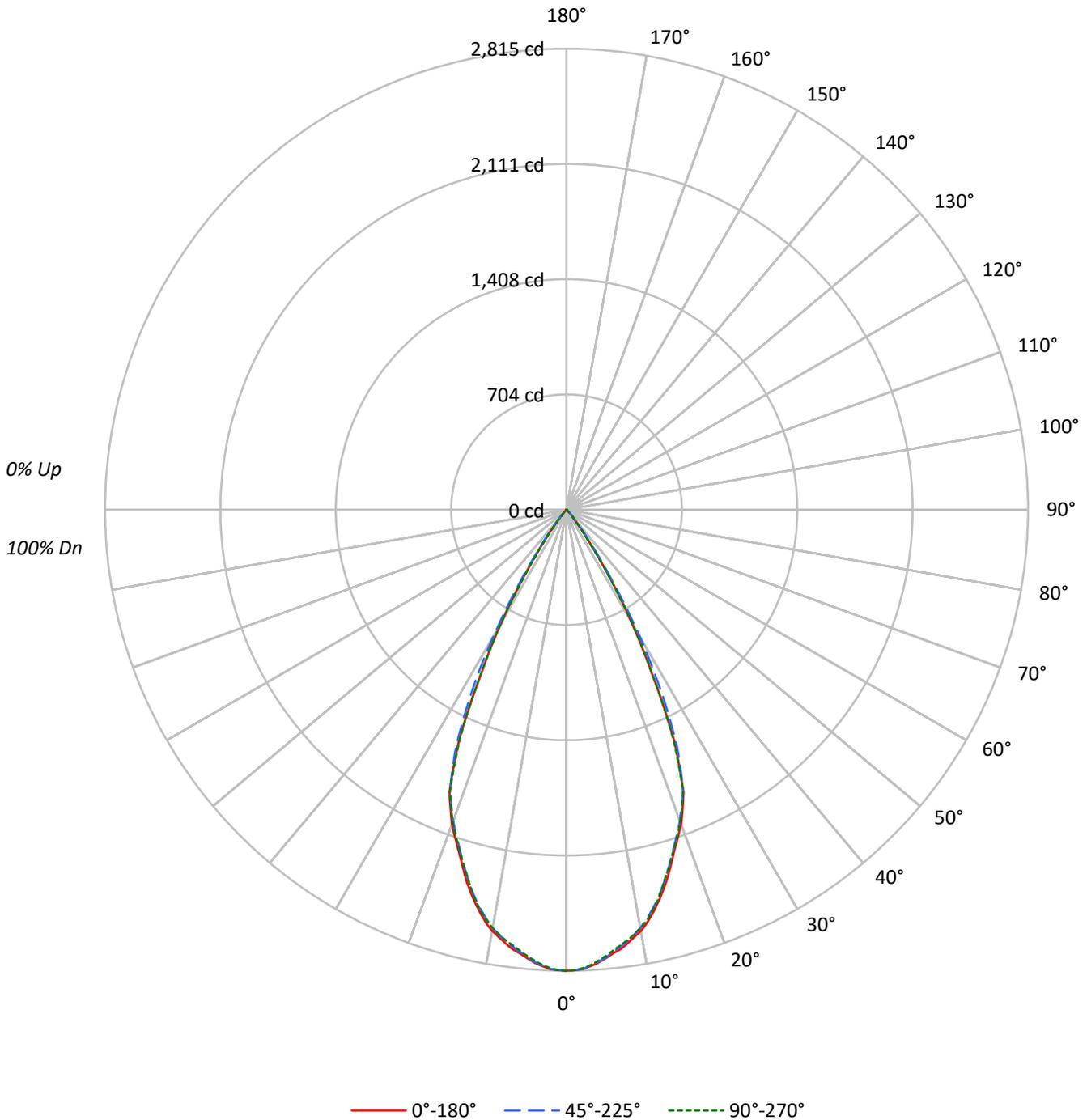
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1814.1 lumens
Efficiency: N/A
Efficacy: 85.6 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				
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°	484772	484772	484772
5°	475283	474384	473053
10°	456680	453532	453742
15°	419232	415327	414864
20°	374523	370510	372398
25°	294370	302921	291919
30°	157482	176434	157999
35°	51447	60109	48461
40°	12747	15917	12163
45°	1559	5651	1559
50°	1045	1715	1045
55°	1171	1171	1171
60°	896	896	896
65°	1060	1060	1060
70°	655	655	655
75°	865	865	865
80°	1289	1289	1289
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 5651 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.4	14.2
10°-20°	651.0	35.9
20°-30°	684.7	37.7
30°-40°	197.3	10.9
40°-50°	16.0	0.9
50°-60°	3.5	0.2
60°-70°	2.5	0.1
70°-80°	1.4	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°	1593.0	87.8
0°-40°	1790.3	98.7
0°-60°	1809.9	99.8
0°-90°	1814.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1814.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2815	2815	2815	2815	2815	
5°	2749	2748	2744	2747	2736	258
15°	2351	2336	2329	2329	2327	655
25°	1549	1588	1594	1576	1536	671
35°	245	254	286	245	230	189
45°	6	13	23	13	6	12
55°	4	4	4	4	4	3
65°	3	3	3	3	3	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2814.8	2814.8	2814.8	2814.8	2814.8
1°	2813.5	2816.1	2811.0	2820.0	2812.3
2°	2807.1	2808.4	2805.8	2812.3	2802.0
3°	2791.7	2794.2	2789.1	2794.2	2785.2
4°	2773.6	2773.6	2768.5	2772.3	2760.7
5°	2749.2	2747.9	2744.0	2746.6	2736.3
6°	2723.4	2722.1	2715.7	2715.7	2708.0
7°	2704.1	2695.1	2689.9	2688.6	2680.9
8°	2673.2	2670.6	2660.3	2660.3	2655.2
9°	2642.3	2639.7	2628.1	2630.7	2626.8
10°	2611.4	2602.4	2593.4	2594.6	2594.6
11°	2570.2	2562.4	2549.6	2554.7	2557.3
12°	2521.2	2512.2	2500.6	2510.9	2509.7
13°	2467.2	2459.4	2450.4	2458.1	2455.6
14°	2410.5	2398.9	2391.2	2396.3	2393.8
15°	2351.3	2335.8	2329.4	2329.4	2326.8
17.5°	2185.2	2176.1	2169.7	2165.8	2174.9
20°	2043.5	2035.8	2021.6	2025.5	2031.9
22.5°	1865.8	1864.5	1856.8	1850.4	1858.1
25°	1549.1	1587.7	1594.1	1576.1	1536.2
27.5°	1125.4	1215.6	1247.7	1205.3	1131.9
30°	791.9	834.4	887.2	803.5	794.5
32.5°	477.7	489.3	538.2	480.3	467.4
35°	244.7	253.7	285.9	244.7	230.5
37.5°	114.6	119.8	132.6	114.6	106.9
40°	56.7	63.1	70.8	59.2	54.1
42.5°	24.5	32.2	41.2	30.9	21.9
45°	6.4	12.9	23.2	12.9	6.4
47.5°	3.9	5.2	12.9	5.2	3.9
50°	3.9	3.9	6.4	3.9	3.9
52.5°	3.9	3.9	3.9	3.9	3.9
55°	3.9	3.9	3.9	3.9	3.9
57.5°	3.9	3.9	3.9	3.9	3.9
60°	2.6	3.9	2.6	3.9	2.6
62.5°	2.6	2.6	2.6	2.6	2.6
65°	2.6	2.6	2.6	2.6	2.6
67.5°	2.6	2.6	2.6	2.6	2.6
70°	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3
82.5°	0.0	1.3	0.0	1.3	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)