

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: P1309453

Luminaire Tested: LDSQA3D17R509030DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309453
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: LDSQA3D17R509030DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

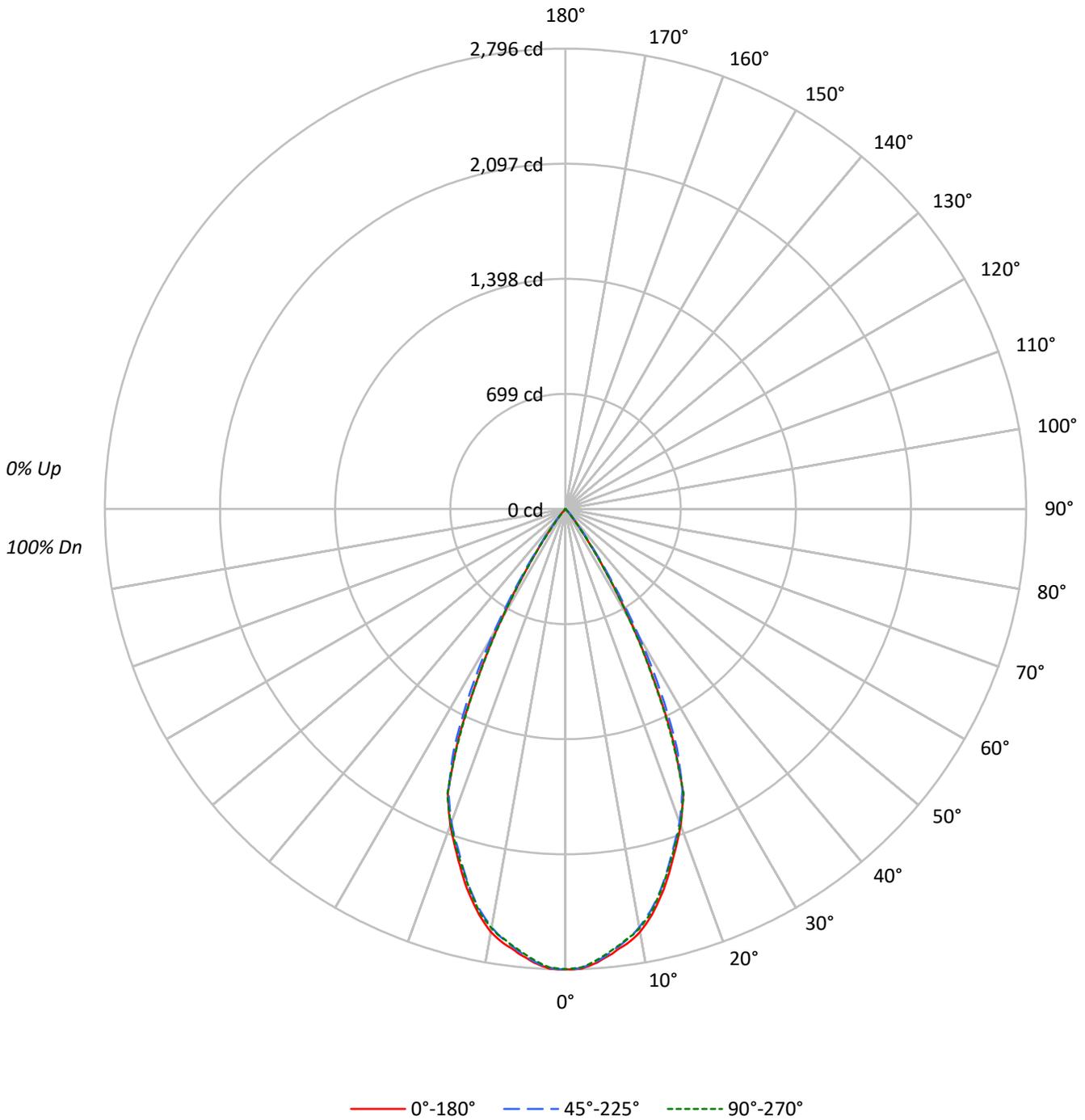
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1800.0 lumens
Efficiency: N/A
Efficacy: 84.9 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	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°	481397	481397	481397
5°	473001	471670	470339
10°	456173	451224	452133
15°	419642	414365	415506
20°	374725	371188	373314
25°	291634	303872	288460
30°	157979	176414	155155
35°	49807	59289	48735
40°	10994	15333	10432
45°	317	4701	317
50°	0	697	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: 4701 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.1	14.2
10°-20°	650.7	36.1
20°-30°	685.3	38.1
30°-40°	195.7	10.9
40°-50°	12.1	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°	1592.1	88.4
0°-40°	1787.8	99.3
0°-60°	1800.0	100.0
0°-90°	1800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1800.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2795	2795	2795	2795	2795	
5°	2736	2733	2728	2726	2721	257
15°	2354	2338	2324	2328	2330	656
25°	1535	1591	1599	1581	1518	671
35°	237	254	282	240	232	185
45°	1	6	19	6	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°	2795.2	2795.2	2795.2	2795.2	2795.2
1°	2796.5	2797.8	2795.2	2797.8	2791.4
2°	2792.7	2790.1	2787.5	2788.8	2784.9
3°	2778.5	2777.2	2772.1	2773.4	2768.2
4°	2760.5	2756.6	2752.8	2750.2	2745.0
5°	2736.0	2733.4	2728.3	2725.7	2720.6
6°	2715.4	2710.3	2701.3	2698.7	2693.5
7°	2688.4	2685.8	2674.2	2671.6	2669.1
8°	2667.8	2660.1	2645.9	2647.2	2640.7
9°	2640.7	2630.4	2616.3	2616.3	2617.6
10°	2608.5	2593.1	2580.2	2584.1	2585.4
11°	2566.1	2555.8	2536.4	2545.5	2545.5
12°	2519.7	2506.8	2492.7	2500.4	2505.5
13°	2465.6	2455.3	2442.5	2450.2	2447.6
14°	2412.8	2393.5	2384.5	2394.8	2391.0
15°	2353.6	2338.2	2324.0	2327.9	2330.4
17.5°	2195.3	2178.5	2168.2	2169.5	2181.1
20°	2044.6	2038.2	2025.3	2030.4	2036.9
22.5°	1866.9	1869.5	1854.1	1857.9	1873.4
25°	1534.7	1591.4	1599.1	1581.1	1518.0
27.5°	1136.9	1221.9	1247.6	1206.4	1129.2
30°	794.4	817.6	887.1	808.6	780.2
32.5°	466.1	500.9	538.2	484.1	464.8
35°	236.9	253.6	282.0	239.5	231.8
37.5°	109.4	117.2	128.8	109.4	103.0
40°	48.9	57.9	68.2	55.4	46.4
42.5°	15.5	27.0	36.1	24.5	14.2
45°	1.3	6.4	19.3	6.4	1.3
47.5°	0.0	1.3	7.7	1.3	0.0
50°	0.0	0.0	2.6	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)