

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: P1307356

Luminaire Tested: LDSQA3D17R459024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R459024DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

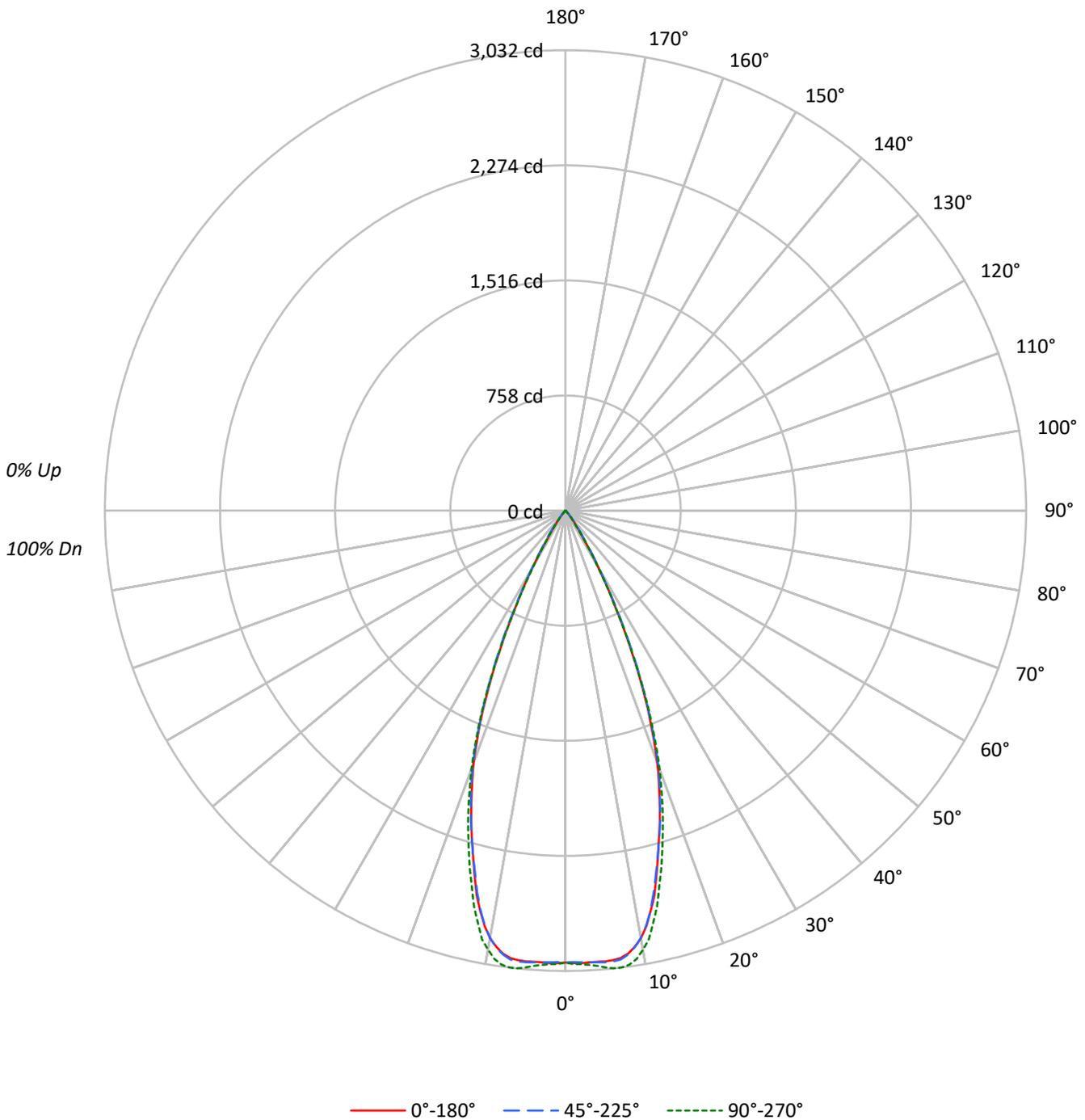
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1541.0 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	85	82	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	79	75	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	76	72	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	73	70	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	512776	512776	512776
5°	515322	516308	522203
10°	500033	499631	513534
15°	419072	418858	434263
20°	323958	327293	331875
25°	198597	202701	199034
30°	85174	89012	82450
35°	26743	32252	26028
40°	9195	11758	8948
45°	1656	4969	1388
50°	911	1822	911
55°	1021	1021	1021
60°	792	792	792
65°	937	937	937
70°	554	554	554
75°	732	732	732
80°	1091	1091	1091
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4969 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.0	18.4
10°-20°	653.9	42.4
20°-30°	478.8	31.1
30°-40°	105.8	6.9
40°-50°	13.0	0.8
50°-60°	3.0	0.2
60°-70°	2.2	0.1
70°-80°	1.2	0.1
80°-90°	0.1	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°	1415.6	91.9
0°-40°	1521.4	98.7
0°-60°	1537.4	99.8
0°-90°	1541.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1541.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2977	2977	2977	2977	2977	
5°	2981	2979	2986	3008	3021	281
15°	2350	2338	2349	2406	2436	649
25°	1045	1044	1067	1059	1047	473
35°	127	134	153	134	124	100
45°	7	11	20	11	6	9
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
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°	2977.4	2977.4	2977.4	2977.4	2977.4
1°	2979.7	2975.2	2974.0	2982.0	2987.6
2°	2982.0	2976.3	2977.4	2985.4	2988.8
3°	2979.7	2974.0	2979.7	2991.1	2995.6
4°	2978.6	2976.3	2982.0	2997.9	3005.8
5°	2980.8	2978.6	2986.5	3008.1	3020.6
6°	2977.4	2974.0	2985.4	3012.6	3030.8
7°	2969.5	2966.1	2978.6	3011.5	3031.9
8°	2947.9	2941.1	2953.6	2994.5	3019.5
9°	2909.3	2900.2	2912.7	2960.4	2989.9
10°	2859.3	2849.1	2857.0	2903.6	2936.5
11°	2787.7	2774.1	2783.2	2833.2	2876.3
12°	2696.8	2677.5	2688.9	2745.7	2776.4
13°	2598.0	2579.8	2582.1	2633.2	2676.4
14°	2475.3	2451.5	2461.7	2515.1	2549.2
15°	2350.4	2337.9	2349.2	2406.0	2435.6
17.5°	2064.1	2063.0	2073.2	2115.2	2131.1
20°	1767.6	1771.0	1785.8	1808.5	1810.8
22.5°	1416.6	1417.7	1433.6	1449.5	1446.1
25°	1045.1	1044.0	1066.7	1058.7	1047.4
27.5°	693.0	697.5	717.9	703.2	691.8
30°	428.3	437.4	447.6	429.4	414.6
32.5°	231.7	246.5	261.3	245.4	230.6
35°	127.2	134.0	153.4	134.0	123.8
37.5°	73.8	77.2	89.7	77.2	70.4
40°	40.9	46.6	52.3	46.6	39.8
42.5°	17.0	26.1	31.8	26.1	17.0
45°	6.8	11.4	20.4	11.4	5.7
47.5°	3.4	4.5	12.5	4.5	3.4
50°	3.4	3.4	6.8	3.4	3.4
52.5°	3.4	3.4	3.4	3.4	3.4
55°	3.4	3.4	3.4	3.4	3.4
57.5°	3.4	3.4	3.4	3.4	3.4
60°	2.3	2.3	2.3	3.4	2.3
62.5°	2.3	2.3	2.3	2.3	2.3
65°	2.3	2.3	2.3	2.3	2.3
67.5°	2.3	2.3	2.3	2.3	2.3
70°	1.1	1.1	1.1	2.3	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1
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)