

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: P1319962

Luminaire Tested: LDSQA3D09R309840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

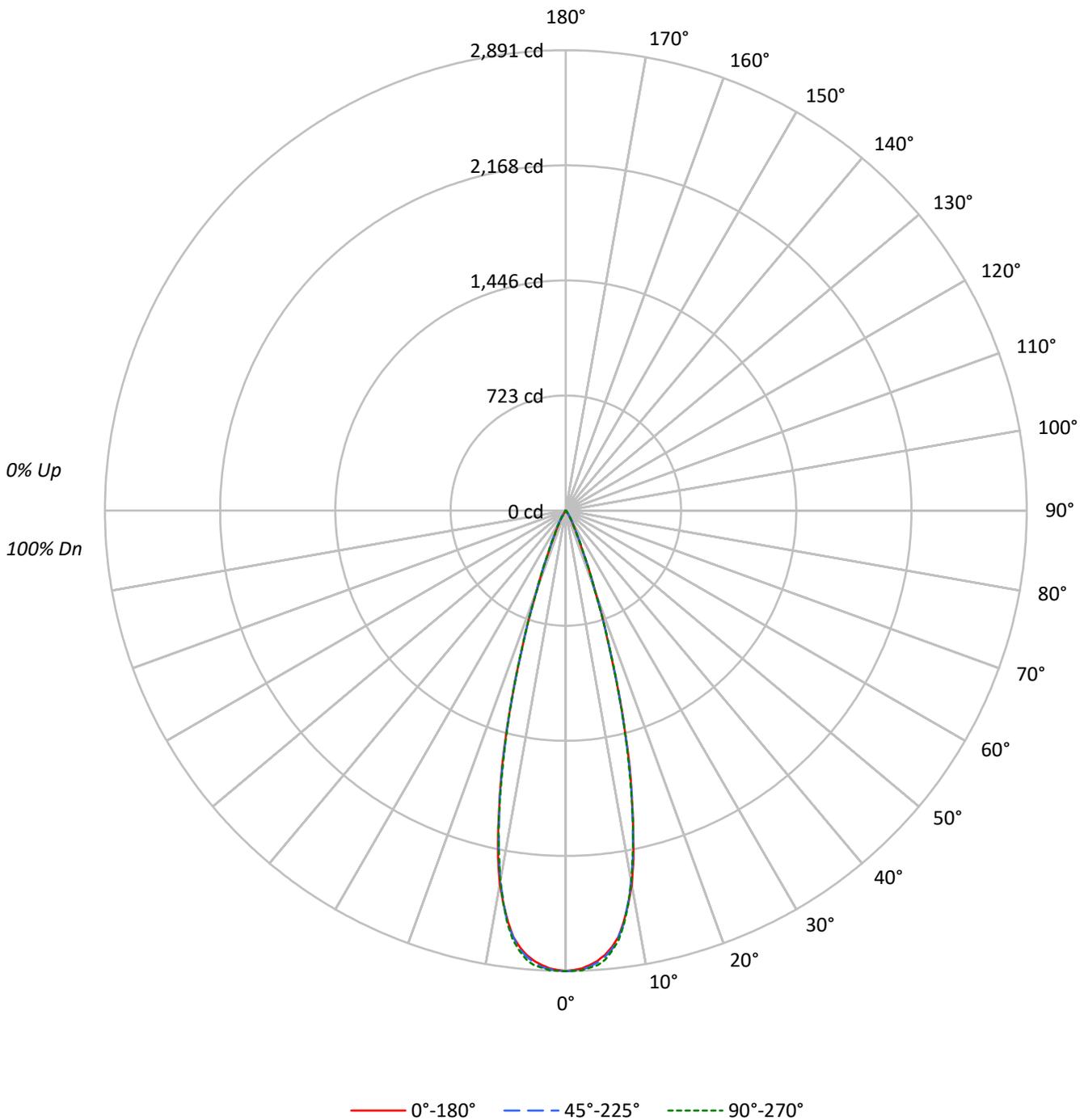
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 752.1 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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

TEST NUMBER: P1319962
CATALOG NUMBER: LDSQA3D09R309840DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1319962

CATALOG NUMBER: LDSQA3D09R309840DE010 3LSQCDR1MW

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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	497965	497965	497965
5°	484325	486434	489442
10°	416475	412925	413328
15°	255911	253843	254039
20°	97393	97613	95798
25°	30974	32628	31088
30°	12469	15452	12807
35°	4016	6833	4016
40°	1821	2990	1821
45°	706	1267	706
50°	322	616	322
55°	360	360	360
60°	413	413	413
65°	245	245	245
70°	302	302	302
75°	399	399	399
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1267 cd/sqm



TEST NUMBER: P1319962

CATALOG NUMBER: LDSQA3D09R309840DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.1	33.9
10°-20°	378.4	50.3
20°-30°	94.0	12.5
30°-40°	18.8	2.5
40°-50°	3.4	0.5
50°-60°	1.1	0.1
60°-70°	0.8	0.1
70°-80°	0.6	0.1
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°	727.4	96.7
0°-40°	746.2	99.2
0°-60°	750.7	99.8
0°-90°	752.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	752.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2891	2891	2891	2891	2891	
5°	2802	2811	2814	2818	2831	255
15°	1435	1438	1424	1428	1425	380
25°	163	166	172	169	164	91
35°	19	25	32	24	19	16
45°	3	4	5	4	3	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1319962

CATALOG NUMBER: LDSQA3D09R309840DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2891.4	2891.4	2891.4	2891.4	2891.4
1°	2885.0	2888.5	2890.8	2890.8	2890.8
2°	2876.9	2879.2	2882.7	2883.3	2887.9
3°	2857.8	2863.0	2868.8	2872.3	2874.6
4°	2834.6	2841.5	2845.0	2853.7	2861.3
5°	2801.5	2810.8	2813.7	2817.8	2831.1
6°	2756.8	2763.8	2769.6	2771.3	2779.5
7°	2697.7	2701.1	2700.0	2702.9	2717.4
8°	2607.7	2608.9	2618.8	2612.4	2622.2
9°	2501.0	2496.4	2494.0	2498.7	2499.3
10°	2381.5	2365.8	2361.2	2357.1	2363.5
11°	2226.6	2206.3	2208.0	2206.9	2197.6
12°	2034.0	2031.7	2016.6	2019.5	2033.4
13°	1837.3	1841.4	1838.5	1842.0	1826.3
14°	1652.8	1633.1	1638.3	1618.6	1626.1
15°	1435.3	1438.2	1423.7	1428.3	1424.8
17.5°	918.9	925.3	920.7	916.6	923.0
20°	531.4	530.8	532.6	527.3	522.7
22.5°	279.6	283.7	288.9	289.5	293.0
25°	163.0	166.5	171.7	169.4	163.6
27.5°	99.8	106.2	114.3	108.5	101.5
30°	62.7	67.9	77.7	68.5	64.4
32.5°	35.4	42.9	51.1	42.9	35.4
35°	19.1	24.9	32.5	24.4	19.1
37.5°	12.8	14.5	21.5	14.5	12.8
40°	8.1	9.9	13.3	9.9	8.1
42.5°	4.6	6.4	7.5	6.4	4.6
45°	2.9	3.5	5.2	4.1	2.9
47.5°	1.2	1.7	3.5	1.7	1.7
50°	1.2	1.2	2.3	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
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



TEST NUMBER: P1319962
CATALOG NUMBER: LDSQA3D09R309840DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)