

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: P1307071

Luminaire Tested: LDSQA3D09R709024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307071
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709024DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

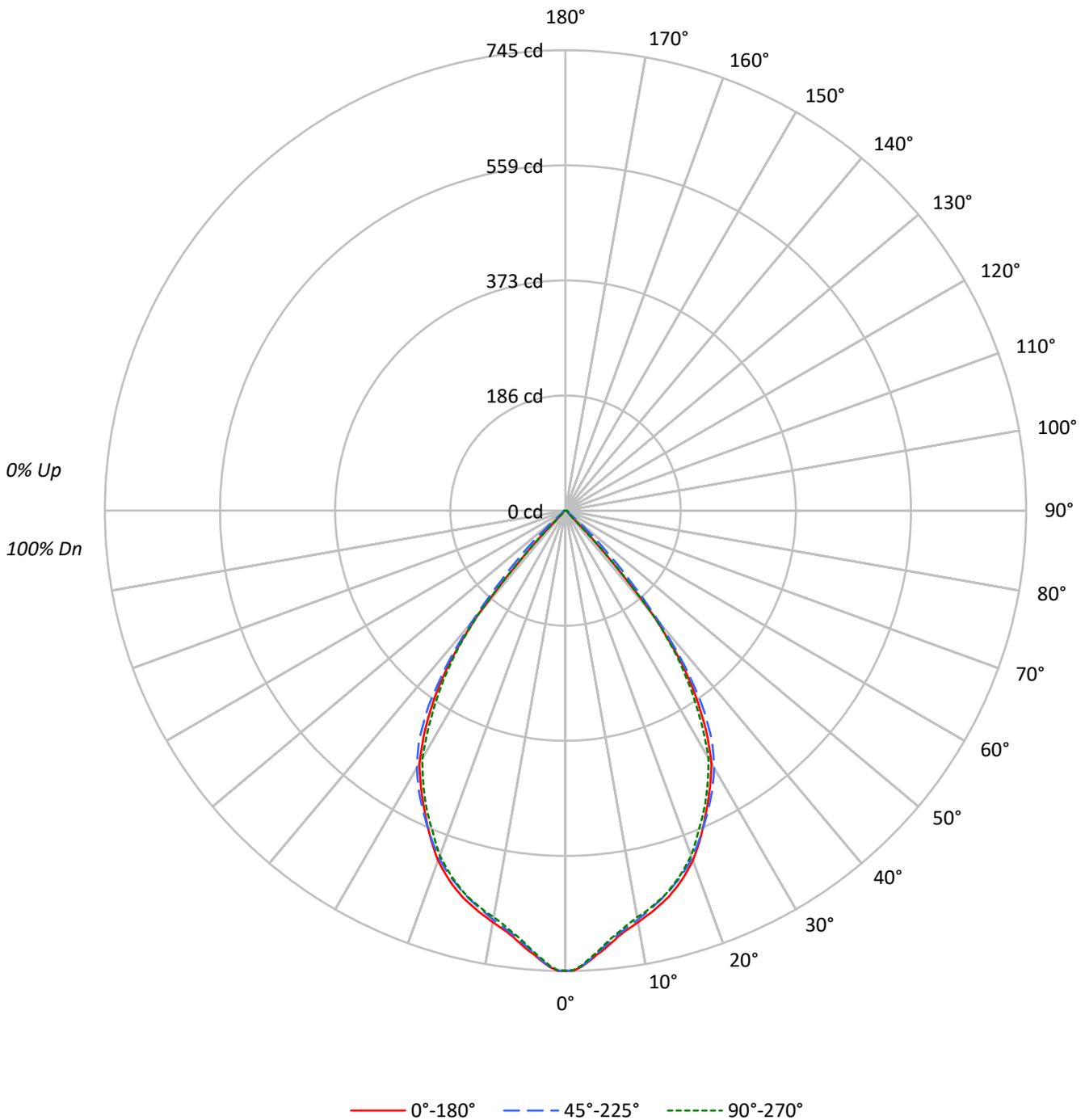
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 794.0 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1307071
CATALOG NUMBER: LDSQA3D09R709024DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1307071

CATALOG NUMBER: LDSQA3D09R709024DE010 3LSQCDR1MW

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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	128254	128254	128254
5°	123264	122607	122157
10°	118271	117589	116802
15°	115287	114022	113897
20°	110460	109635	108921
25°	102272	102994	101037
30°	93924	95595	92015
35°	77475	81134	74490
40°	49326	53103	49326
45°	3459	22943	3775
50°	1554	4662	1554
55°	1742	1742	1742
60°	1791	1791	1791
65°	1589	1834	1589
70°	1611	1964	1611
75°	1730	1730	1730
80°	1884	1884	1884
85°	1186	2569	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 22943 cd/sqm



TEST NUMBER: P1307071

CATALOG NUMBER: LDSQA3D09R709024DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.5	8.4
10°-20°	179.9	22.7
20°-30°	247.3	31.1
30°-40°	226.5	28.5
40°-50°	60.1	7.6
50°-60°	5.4	0.7
60°-70°	4.4	0.6
70°-80°	2.9	0.4
80°-90°	1.1	0.1
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°	493.6	62.2
0°-40°	720.1	90.7
0°-60°	785.6	98.9
0°-90°	794.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	794.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	745	745	745	745	745	
5°	713	710	709	708	707	67
15°	647	641	640	640	639	181
25°	538	540	542	536	532	247
35°	368	374	386	368	354	223
45°	14	48	94	49	16	43
55°	6	6	6	6	6	5
65°	4	4	4	4	4	4
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	744.7	744.7	744.7	744.7	744.7
1°	744.7	743.4	744.7	744.7	743.4
2°	738.9	737.6	738.2	737.6	736.9
3°	730.5	728.5	729.2	727.9	726.6
4°	720.8	718.8	718.8	718.2	716.9
5°	713.0	709.8	709.2	707.9	706.6
6°	704.0	700.8	700.1	698.2	696.9
7°	695.0	692.4	691.7	689.2	689.2
8°	687.9	684.6	684.6	681.4	681.4
9°	682.1	678.2	678.2	675.6	674.3
10°	676.3	672.4	672.4	669.2	667.9
11°	670.5	667.2	665.9	664.0	663.4
12°	665.3	660.8	659.5	658.8	657.5
13°	658.8	654.3	653.0	652.4	651.7
14°	653.0	647.2	646.6	645.3	645.9
15°	646.6	640.8	639.5	639.5	638.8
17.5°	626.6	622.7	620.8	619.5	618.2
20°	602.7	599.5	598.2	595.6	594.3
22.5°	571.7	571.1	570.4	567.2	562.0
25°	538.2	540.1	542.0	535.6	531.7
27.5°	505.9	511.1	513.0	506.5	498.2
30°	472.3	476.9	480.7	471.7	462.7
32.5°	424.0	434.9	440.7	430.4	409.8
35°	368.5	374.3	385.9	368.5	354.3
37.5°	303.9	307.2	316.2	304.6	294.9
40°	219.4	229.1	236.2	229.1	219.4
42.5°	98.7	138.1	156.2	145.8	103.2
45°	14.2	48.4	94.2	49.0	15.5
47.5°	5.8	7.7	49.0	7.1	5.8
50°	5.8	5.8	17.4	5.8	5.8
52.5°	5.8	5.8	6.5	5.8	5.8
55°	5.8	5.8	5.8	5.8	5.8
57.5°	5.2	5.2	5.8	5.2	5.2
60°	5.2	5.2	5.2	5.2	5.2
62.5°	4.5	5.2	5.2	5.2	4.5
65°	3.9	4.5	4.5	4.5	3.9
67.5°	3.9	3.9	3.9	3.9	3.9
70°	3.2	3.9	3.9	3.9	3.2
72.5°	3.2	3.2	3.2	3.2	3.2
75°	2.6	2.6	2.6	2.6	2.6
77.5°	1.9	2.6	2.6	2.6	1.9
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.6	1.3	1.3	1.3	0.6
87.5°	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P1307071

CATALOG NUMBER: LDSQA3D09R709024DE010 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)