

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: P1319952

Luminaire Tested: LDSQA3D09R259840DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319952
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259840DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

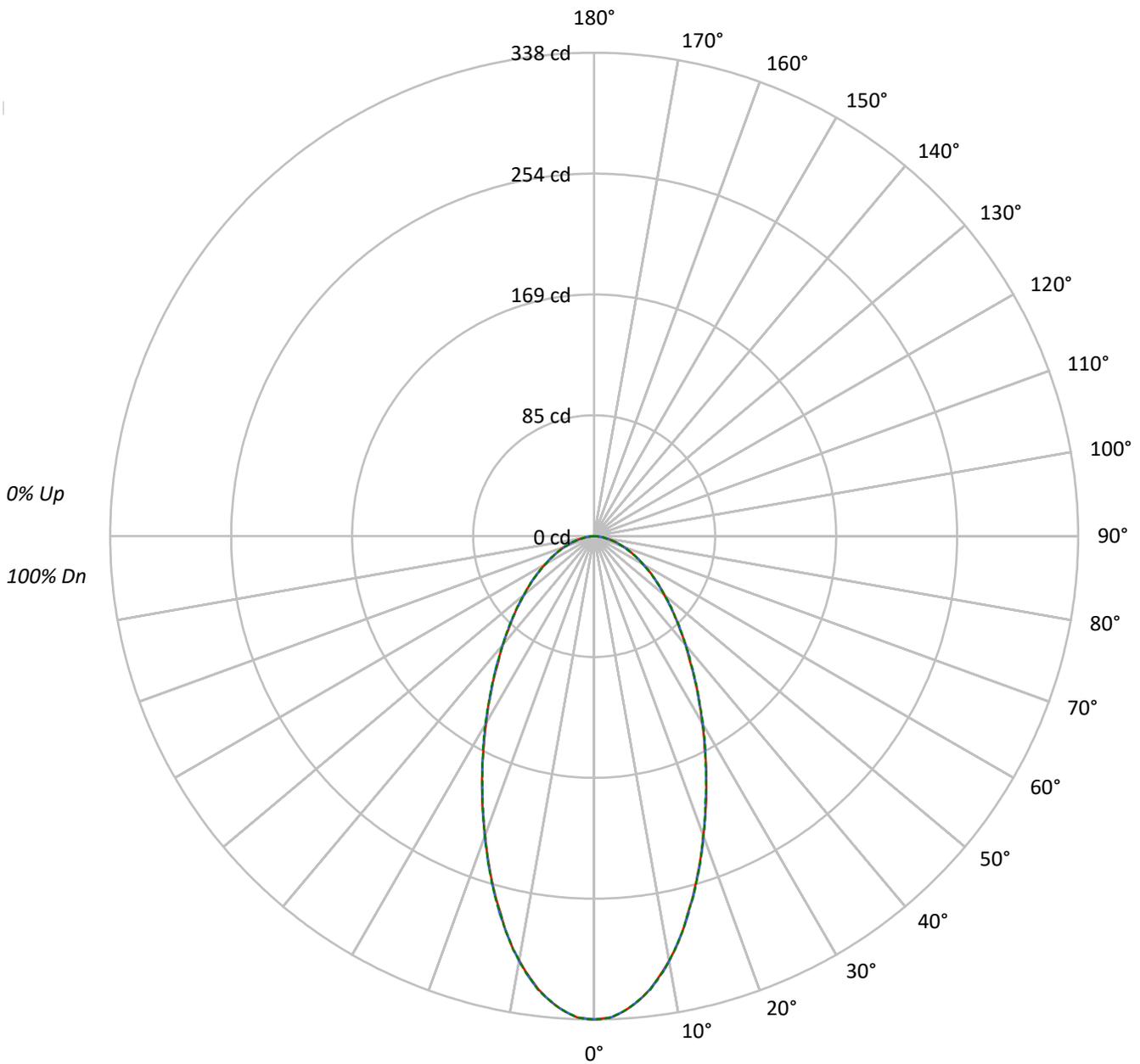
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 423.0 lumens
Efficiency: N/A
Efficacy: 38.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
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 (Ain): 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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	63	63	63	61
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	56	56	56	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	51	51	51	49
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	58194	58194	58194
5°	56705	56705	56705
10°	52691	52796	52691
15°	46999	47089	47089
20°	40852	40962	40852
25°	35193	35079	35079
30°	30009	30128	30247
35°	25755	25755	25881
40°	22325	22325	22325
45°	19509	19509	19509
50°	17121	17121	17255
55°	15343	15343	15343
60°	13606	13606	13606
65°	12307	12307	12307
70°	11128	10826	11128
75°	10048	9649	9649
80°	8034	8034	8034
85°	5730	5730	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19509 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.5	7.2
10°-20°	73.5	17.4
20°-30°	85.0	20.1
30°-40°	77.0	18.2
40°-50°	62.1	14.7
50°-60°	45.7	10.8
60°-70°	30.1	7.1
70°-80°	15.5	3.7
80°-90°	3.5	0.8
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°	189.0	44.7
0°-40°	266.0	62.9
0°-60°	373.9	88.4
0°-90°	423.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	423.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	338	338	338	338	338	
5°	328	329	328	328	328	30
15°	264	264	264	264	264	73
25°	185	185	185	185	185	85
35°	122	122	122	122	123	77
45°	80	80	80	80	80	62
55°	51	51	51	50	51	46
65°	30	30	30	30	30	30
75°	15	14	14	14	14	16
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	337.9	337.9	337.9	337.9	337.9
1°	337.3	338.4	337.3	337.3	337.9
2°	336.7	337.3	336.7	336.7	336.7
3°	334.4	335.5	334.4	334.4	334.4
4°	331.5	332.6	331.5	331.5	331.5
5°	328.0	329.2	328.0	328.0	328.0
6°	323.9	324.5	323.9	323.9	323.9
7°	319.3	319.9	319.3	319.3	319.9
8°	313.5	314.1	314.1	313.5	313.5
9°	307.7	308.3	308.3	307.7	308.3
10°	301.3	301.9	301.9	301.3	301.3
11°	294.9	295.5	294.3	294.3	294.9
12°	287.4	287.9	287.4	287.4	287.4
13°	279.8	279.8	279.8	279.8	279.8
14°	271.1	272.3	272.3	271.7	271.1
15°	263.6	264.1	264.1	263.6	264.1
17.5°	243.2	244.4	243.8	243.8	243.8
20°	222.9	223.5	223.5	222.9	222.9
22.5°	203.8	203.2	203.2	203.2	203.2
25°	185.2	184.6	184.6	185.2	184.6
27.5°	167.2	167.8	167.8	167.2	167.8
30°	150.9	150.9	151.5	150.9	152.1
32.5°	136.4	136.4	135.8	136.4	136.4
35°	122.5	122.5	122.5	122.5	123.1
37.5°	109.7	110.3	110.9	110.9	110.3
40°	99.3	99.3	99.3	99.3	99.3
42.5°	88.8	88.8	89.4	89.4	89.4
45°	80.1	80.1	80.1	80.1	80.1
47.5°	72.0	72.0	71.4	71.4	72.0
50°	63.9	64.4	63.9	63.9	64.4
52.5°	57.5	56.9	56.9	57.5	57.5
55°	51.1	51.1	51.1	50.5	51.1
57.5°	45.3	45.3	44.7	44.7	44.7
60°	39.5	39.5	39.5	39.5	39.5
62.5°	34.8	34.8	34.8	34.8	34.8
65°	30.2	30.2	30.2	30.2	30.2
67.5°	26.1	26.1	26.1	26.1	25.5
70°	22.1	22.1	21.5	21.5	22.1
72.5°	18.0	18.0	18.0	18.0	18.0
75°	15.1	14.5	14.5	14.5	14.5
77.5°	11.6	11.6	11.0	11.6	11.0
80°	8.1	8.1	8.1	8.1	8.1
82.5°	5.8	5.2	5.2	5.2	5.2
85°	2.9	2.9	2.9	2.9	2.9
87.5°	0.6	0.6	0.6	0.6	1.2



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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)