

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: P1318200

Luminaire Tested: LDSQA3D09R259830DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318200
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: LDSQA3D09R259830DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

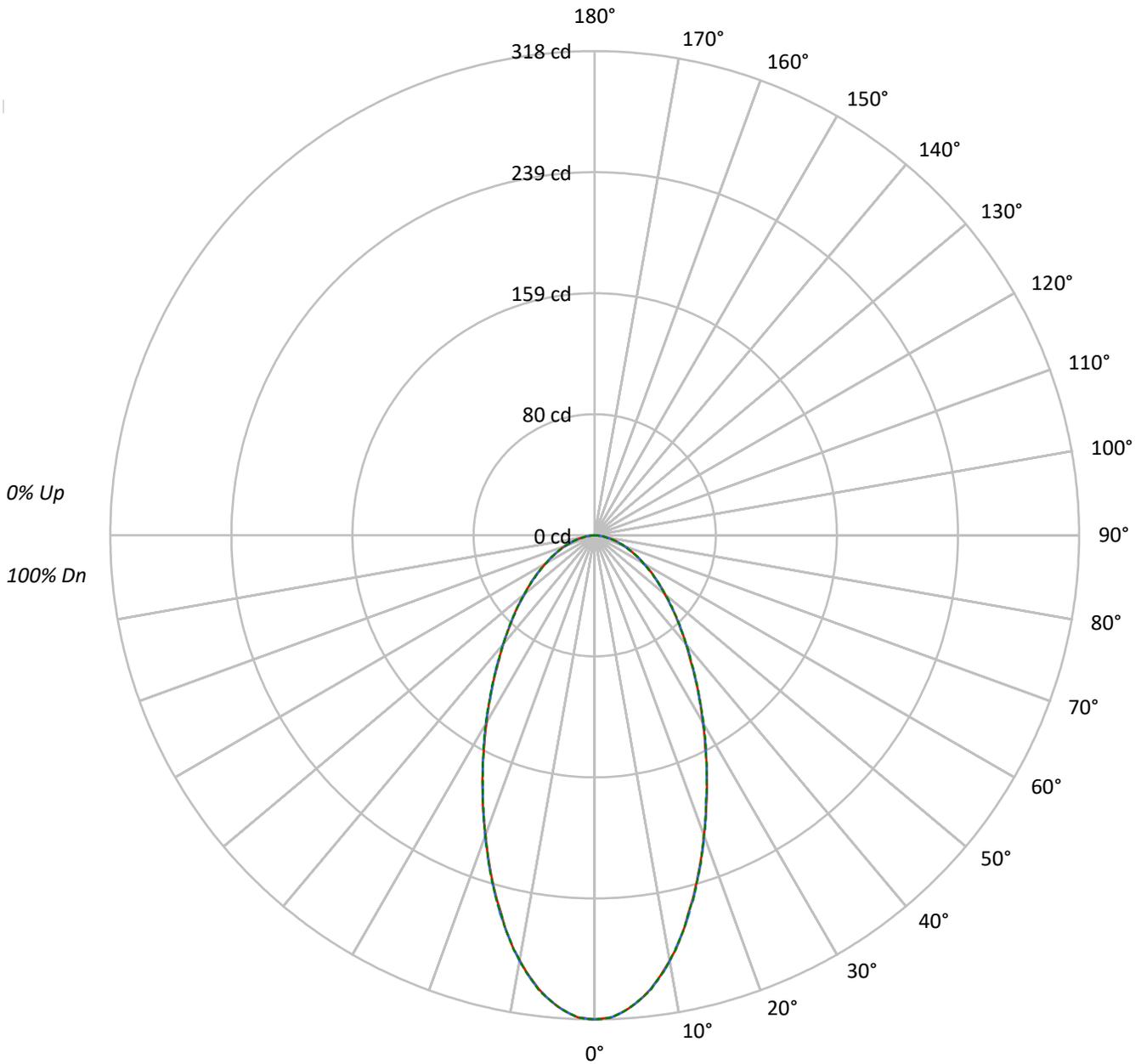
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 398.0 lumens
Efficiency: N/A
Efficacy: 36.2 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

TEST NUMBER: P1318200
CATALOG NUMBER: LDSQA3D09R259830DE010 3LSQPHRLD1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1318200

CATALOG NUMBER: LDSQA3D09R259830DE010 3LSQPHRLD1MW

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	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°	54750	54750	54750
5°	53351	53351	53351
10°	49578	49666	49578
15°	44218	44307	44307
20°	38433	38543	38433
25°	33103	33008	33008
30°	28239	28358	28458
35°	24241	24241	24346
40°	20998	20998	20998
45°	18364	18364	18364
50°	16103	16103	16237
55°	14443	14443	14443
60°	12779	12779	12779
65°	11573	11573	11573
70°	10474	10172	10474
75°	9449	9116	9116
80°	7538	7538	7538
85°	5335	5335	5335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18364 cd/sqm



TEST NUMBER: P1318200

CATALOG NUMBER: LDSQA3D09R259830DE010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.7	7.2
10°-20°	69.2	17.4
20°-30°	80.0	20.1
30°-40°	72.5	18.2
40°-50°	58.4	14.7
50°-60°	43.0	10.8
60°-70°	28.3	7.1
70°-80°	14.6	3.7
80°-90°	3.3	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°	177.8	44.7
0°-40°	250.3	62.9
0°-60°	351.8	88.4
0°-90°	398.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	398.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	318	318	318	318	318	
5°	309	310	309	309	309	29
15°	248	248	248	248	248	69
25°	174	174	174	174	174	80
35°	115	115	115	115	116	72
45°	75	75	75	75	75	58
55°	48	48	48	48	48	43
65°	28	28	28	28	28	28
75°	14	14	14	14	14	15
85°	3	3	3	3	3	3
90°	0	0	0	0	0	



TEST NUMBER: P1318200

CATALOG NUMBER: LDSQA3D09R259830DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	317.9	317.9	317.9	317.9	317.9
1°	317.4	318.4	317.4	317.4	317.9
2°	316.8	317.4	316.8	316.8	316.8
3°	314.6	315.7	314.6	314.6	314.6
4°	311.9	313.0	311.9	311.9	311.9
5°	308.6	309.7	308.6	308.6	308.6
6°	304.8	305.3	304.8	304.8	304.8
7°	300.4	301.0	300.4	300.4	301.0
8°	295.0	295.5	295.5	295.0	295.0
9°	289.5	290.0	290.0	289.5	290.0
10°	283.5	284.0	284.0	283.5	283.5
11°	277.5	278.0	276.9	276.9	277.5
12°	270.4	270.9	270.4	270.4	270.4
13°	263.3	263.3	263.3	263.3	263.3
14°	255.1	256.2	256.2	255.6	255.1
15°	248.0	248.5	248.5	248.0	248.5
17.5°	228.9	230.0	229.4	229.4	229.4
20°	209.7	210.3	210.3	209.7	209.7
22.5°	191.7	191.2	191.2	191.2	191.2
25°	174.2	173.7	173.7	174.2	173.7
27.5°	157.3	157.9	157.9	157.3	157.9
30°	142.0	142.0	142.6	142.0	143.1
32.5°	128.4	128.4	127.8	128.4	128.4
35°	115.3	115.3	115.3	115.3	115.8
37.5°	103.2	103.8	104.3	104.3	103.8
40°	93.4	93.4	93.4	93.4	93.4
42.5°	83.6	83.6	84.1	84.1	84.1
45°	75.4	75.4	75.4	75.4	75.4
47.5°	67.7	67.7	67.2	67.2	67.7
50°	60.1	60.6	60.1	60.1	60.6
52.5°	54.1	53.5	53.5	54.1	54.1
55°	48.1	48.1	48.1	47.5	48.1
57.5°	42.6	42.6	42.1	42.1	42.1
60°	37.1	37.1	37.1	37.1	37.1
62.5°	32.8	32.8	32.8	32.8	32.8
65°	28.4	28.4	28.4	28.4	28.4
67.5°	24.6	24.6	24.6	24.6	24.0
70°	20.8	20.8	20.2	20.2	20.8
72.5°	16.9	16.9	16.9	16.9	16.9
75°	14.2	13.7	13.7	13.7	13.7
77.5°	10.9	10.9	10.4	10.9	10.4
80°	7.6	7.6	7.6	7.6	7.6
82.5°	5.5	4.9	4.9	4.9	4.9
85°	2.7	2.7	2.7	2.7	2.7
87.5°	0.5	0.5	0.5	0.5	1.1



TEST NUMBER: P1318200
CATALOG NUMBER: LDSQA3D09R259830DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)