

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: P1310186

Luminaire Tested: LDSQA3D09R259035DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310186
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: LDSQA3D09R259035DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

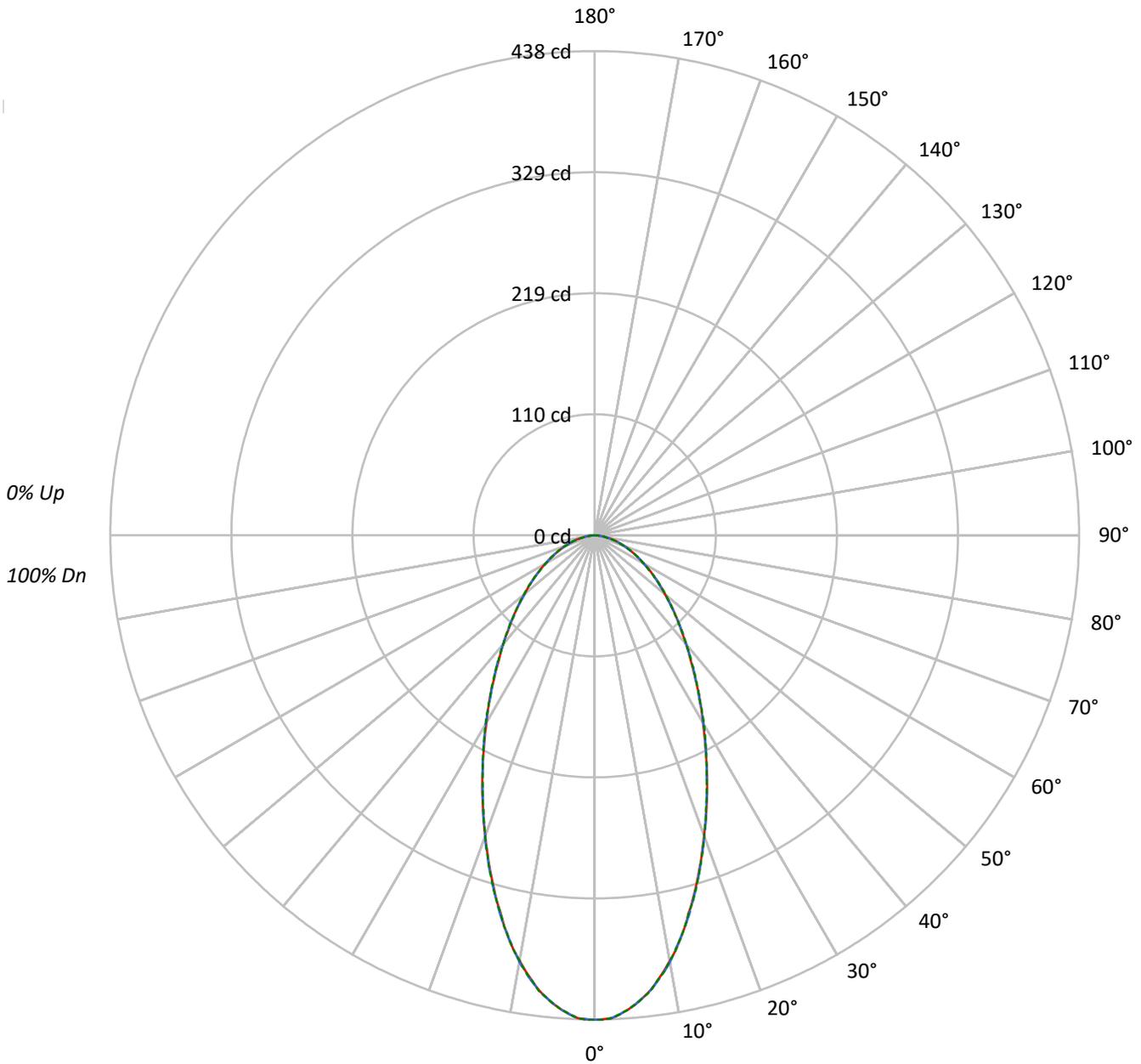
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 549.0 lumens
Efficiency: N/A
Efficacy: 49.5 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): 11.1
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% Up
100% Dn

— 0°-180° - - 45°-225° - · - · 90°-270°



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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	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°	75520	75520	75520
5°	73595	73595	73595
10°	68378	68518	68378
15°	60996	61121	61121
20°	53022	53168	53022
25°	45682	45530	45530
30°	38958	39117	39256
35°	33429	33429	33576
40°	28957	28957	28957
45°	25330	25330	25330
50°	22211	22211	22399
55°	19907	19907	19907
60°	17636	17636	17636
65°	15975	15975	15975
70°	14401	14049	14401
75°	13042	12510	12510
80°	10414	10414	10414
85°	7509	7509	7509

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25330 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.6	7.2
10°-20°	95.4	17.4
20°-30°	110.3	20.1
30°-40°	100.0	18.2
40°-50°	80.6	14.7
50°-60°	59.3	10.8
60°-70°	39.0	7.1
70°-80°	20.2	3.7
80°-90°	4.6	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°	245.3	44.7
0°-40°	345.3	62.9
0°-60°	485.2	88.4
0°-90°	549.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	549.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	438	438	438	438	438	
5°	426	427	426	426	426	40
15°	342	343	343	342	343	95
25°	240	240	240	240	240	110
35°	159	159	159	159	160	100
45°	104	104	104	104	104	81
55°	66	66	66	66	66	60
65°	39	39	39	39	39	39
75°	20	19	19	19	19	20
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	438.5	438.5	438.5	438.5	438.5
1°	437.8	439.3	437.8	437.8	438.5
2°	437.0	437.8	437.0	437.0	437.0
3°	434.0	435.5	434.0	434.0	434.0
4°	430.2	431.7	430.2	430.2	430.2
5°	425.7	427.2	425.7	425.7	425.7
6°	420.4	421.2	420.4	420.4	420.4
7°	414.4	415.2	414.4	414.4	415.2
8°	406.9	407.6	407.6	406.9	406.9
9°	399.3	400.1	400.1	399.3	400.1
10°	391.0	391.8	391.8	391.0	391.0
11°	382.8	383.5	382.0	382.0	382.8
12°	373.0	373.7	373.0	373.0	373.0
13°	363.2	363.2	363.2	363.2	363.2
14°	351.9	353.4	353.4	352.6	351.9
15°	342.1	342.8	342.8	342.1	342.8
17.5°	315.7	317.2	316.4	316.4	316.4
20°	289.3	290.1	290.1	289.3	289.3
22.5°	264.5	263.7	263.7	263.7	263.7
25°	240.4	239.6	239.6	240.4	239.6
27.5°	217.0	217.7	217.7	217.0	217.7
30°	195.9	195.9	196.7	195.9	197.4
32.5°	177.1	177.1	176.3	177.1	177.1
35°	159.0	159.0	159.0	159.0	159.7
37.5°	142.4	143.2	143.9	143.9	143.2
40°	128.8	128.8	128.8	128.8	128.8
42.5°	115.3	115.3	116.0	116.0	116.0
45°	104.0	104.0	104.0	104.0	104.0
47.5°	93.4	93.4	92.7	92.7	93.4
50°	82.9	83.6	82.9	82.9	83.6
52.5°	74.6	73.8	73.8	74.6	74.6
55°	66.3	66.3	66.3	65.6	66.3
57.5°	58.8	58.8	58.0	58.0	58.0
60°	51.2	51.2	51.2	51.2	51.2
62.5°	45.2	45.2	45.2	45.2	45.2
65°	39.2	39.2	39.2	39.2	39.2
67.5°	33.9	33.9	33.9	33.9	33.2
70°	28.6	28.6	27.9	27.9	28.6
72.5°	23.4	23.4	23.4	23.4	23.4
75°	19.6	18.8	18.8	18.8	18.8
77.5°	15.1	15.1	14.3	15.1	14.3
80°	10.5	10.5	10.5	10.5	10.5
82.5°	7.5	6.8	6.8	6.8	6.8
85°	3.8	3.8	3.8	3.8	3.8
87.5°	0.8	0.8	0.8	0.8	1.5



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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)