

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: P1309085

Luminaire Tested: LDSQA3D09R309030DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309030DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

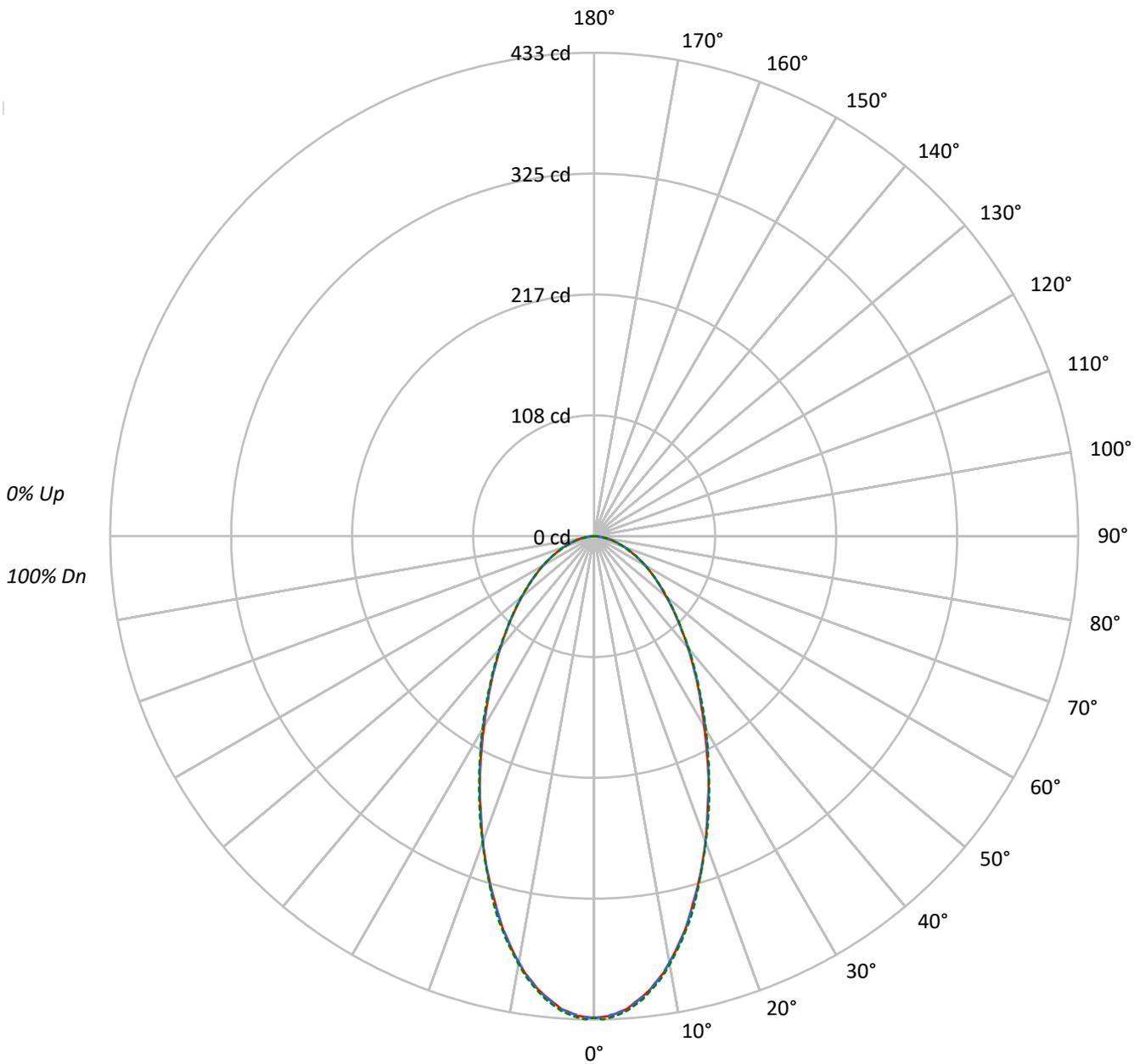
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 554.0 lumens
Efficiency: N/A
Efficacy: 49.9 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
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°-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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	74297	74297	74297
5°	72472	72610	72869
10°	67818	67818	68081
15°	60800	60942	61352
20°	53370	53370	53516
25°	46024	46024	46309
30°	39157	39614	39773
35°	33828	33997	34165
40°	29294	29452	29631
45°	25574	25769	25769
50°	22587	22587	22801
55°	20238	20238	20238
60°	18221	18221	18221
65°	16219	16219	16219
70°	14653	14653	14653
75°	13242	12776	12776
80°	11406	10612	10612
85°	7509	7509	7509

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 25769 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.1	7.1
10°-20°	95.3	17.2
20°-30°	111.3	20.1
30°-40°	101.2	18.3
40°-50°	81.8	14.8
50°-60°	60.4	10.9
60°-70°	39.8	7.2
70°-80°	20.6	3.7
80°-90°	4.7	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°	245.6	44.3
0°-40°	346.8	62.6
0°-60°	489.0	88.3
0°-90°	554.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	554.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	431	431	431	431	431	
5°	419	419	420	420	422	39
15°	341	342	342	342	344	95
25°	242	241	242	242	244	111
35°	161	160	162	162	162	101
45°	105	106	106	106	106	82
55°	67	67	67	67	67	60
65°	40	40	40	40	40	40
75°	20	19	19	19	19	21
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°	431.4	431.4	431.4	431.4	431.4
1°	430.7	430.7	431.4	430.7	433.0
2°	429.9	429.1	429.1	429.1	431.4
3°	426.8	426.8	427.6	426.8	429.1
4°	424.5	423.8	424.5	423.8	426.1
5°	419.2	419.2	420.0	420.0	421.5
6°	414.6	414.6	415.4	414.6	416.9
7°	409.2	409.2	409.2	409.2	410.8
8°	402.3	402.3	403.1	403.1	404.6
9°	396.2	395.4	395.4	395.4	397.7
10°	387.8	387.8	387.8	387.8	389.3
11°	379.3	379.3	379.3	379.3	380.9
12°	370.1	370.1	370.9	370.1	372.4
13°	361.7	361.7	361.7	361.7	363.2
14°	351.7	351.0	351.7	351.7	354.0
15°	341.0	341.8	341.8	341.8	344.1
17.5°	316.5	316.5	317.3	315.7	317.3
20°	291.2	290.4	291.2	291.2	292.0
22.5°	265.2	265.9	265.9	265.9	267.5
25°	242.2	241.4	242.2	242.2	243.7
27.5°	218.4	219.2	219.9	219.2	220.7
30°	196.9	198.5	199.2	197.7	200.0
32.5°	177.8	177.8	178.6	179.3	180.1
35°	160.9	160.2	161.7	161.7	162.5
37.5°	144.8	144.8	144.8	145.6	146.4
40°	130.3	130.3	131.0	131.0	131.8
42.5°	117.2	116.5	117.2	117.2	117.2
45°	105.0	105.8	105.8	105.8	105.8
47.5°	94.3	94.3	95.0	94.3	95.0
50°	84.3	84.3	84.3	84.3	85.1
52.5°	75.1	75.1	75.1	75.1	75.9
55°	67.4	66.7	67.4	66.7	67.4
57.5°	59.8	59.8	59.8	59.8	59.8
60°	52.9	52.1	52.9	52.1	52.9
62.5°	46.0	46.0	46.0	46.0	46.0
65°	39.8	39.8	39.8	39.8	39.8
67.5°	34.5	34.5	34.5	33.7	33.7
70°	29.1	29.1	29.1	29.1	29.1
72.5°	24.5	23.8	23.8	23.8	23.8
75°	19.9	19.2	19.2	19.2	19.2
77.5°	15.3	15.3	14.6	14.6	15.3
80°	11.5	10.7	10.7	10.7	10.7
82.5°	6.9	6.9	6.9	6.9	6.9
85°	3.8	3.8	3.8	3.8	3.8
87.5°	0.8	0.8	0.8	1.5	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)