

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: P1319679

Luminaire Tested: LDSQA3D02R359840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R359840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

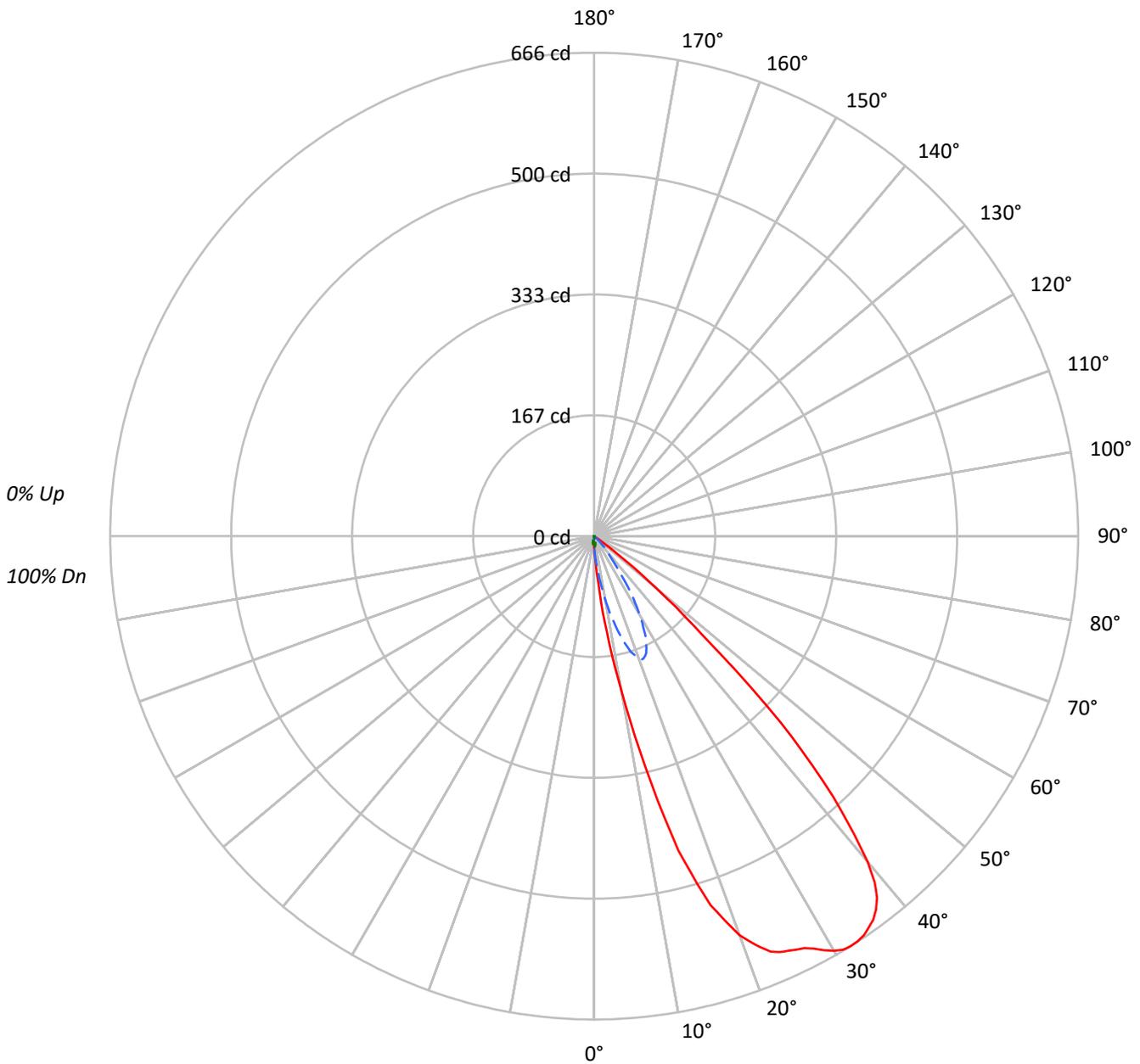
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 199.0 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	100				100
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91				91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83				83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75				75
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67				67
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61				61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55				55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49				49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45				45
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40				40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37				37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2583	2583	2583	2583	2583
5°	11220	6950	2403	847	588
10°	37774	15704	1801	192	70
15°	79949	25764	1123	0	0
20°	107198	32916	513	0	0
25°	119812	32324	114	0	0
30°	131152	24759	0	0	0
35°	138425	13498	0	0	0
40°	131588	6070	0	0	0
45°	88315	2679	0	0	0
50°	29499	241	0	0	0
55°	1591	0	0	0	0
60°	0	0	69	0	0
65°	0	0	163	0	0
70°	0	101	201	0	0
75°	0	133	266	0	0
80°	0	198	397	0	0
85°	0	395	790	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 88315 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	1.6
10°-20°	27.6	13.9
20°-30°	60.6	30.4
30°-40°	70.1	35.2
40°-50°	34.6	17.4
50°-60°	2.6	1.3
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.1	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°	91.4	45.9
0°-40°	161.5	81.1
0°-60°	198.6	99.8
0°-90°	199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	199.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	15	15	15	15	15	
5°	65	40	14	5	3	11
15°	448	144	6	0	0	127
25°	630	170	1	0	0	291
35°	658	64	0	0	0	407
45°	363	11	0	0	0	266
55°	5	0	0	0	0	22
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
2.5°	29.8	30.6	30.2	30.2	30.0	29.0	27.3	26.8	24.7	19.6	15.2
5°	64.9	65.1	64.5	61.7	59.2	57.0	52.0	49.7	40.2	23.9	13.9
7.5°	131.8	128.9	125.3	121.3	112.6	104.6	94.2	83.2	62.3	27.7	12.3
10°	216.0	212.1	209.0	199.5	183.8	167.4	147.5	129.5	89.8	30.4	10.3
12.5°	324.8	322.5	311.7	292.7	269.4	245.9	211.1	182.4	117.5	30.9	8.4
15°	448.4	444.6	428.1	401.1	369.4	332.4	285.9	237.7	144.5	29.2	6.3
17.5°	532.9	530.8	516.6	488.3	451.8	404.8	349.7	289.5	166.7	25.6	4.4
20°	584.9	581.9	568.6	544.7	506.5	457.3	392.0	322.5	179.6	21.1	2.8
21°	598.4	595.4	584.7	559.9	523.4	470.6	403.6	330.5	182.1	19.0	2.3
22°	611.1	608.1	596.9	574.9	538.8	483.7	412.7	336.6	181.7	17.3	1.7
23°	621.7	618.5	607.5	587.2	550.9	495.3	419.6	339.6	179.2	15.6	1.3
24°	627.3	625.4	615.5	596.3	560.8	503.5	424.3	340.8	176.2	13.9	0.9
25°	630.5	628.2	618.5	600.9	567.3	509.9	427.3	339.8	170.1	12.3	0.6
26°	633.9	630.5	619.5	602.4	570.7	513.0	427.5	337.4	163.6	11.0	0.2
27°	636.9	633.7	622.3	603.5	571.2	512.0	426.0	332.6	155.9	9.7	0.2
28°	643.6	640.0	626.9	606.0	571.8	509.5	421.3	326.2	145.6	8.5	0.0
29°	652.3	648.5	633.5	611.9	573.1	506.9	414.8	317.6	136.7	7.6	0.0
30°	659.5	656.1	642.2	619.3	576.6	504.4	407.2	306.0	124.5	6.5	0.0
31°	664.8	661.4	648.7	625.5	579.6	502.1	397.7	294.1	113.5	5.7	0.0
32°	666.2	663.3	651.4	628.2	579.6	498.7	389.0	280.6	102.7	4.7	0.0
33°	665.6	662.8	650.6	626.3	574.5	490.6	378.4	264.5	90.4	4.2	0.0
34°	663.5	660.1	647.2	620.2	564.4	476.7	363.0	248.3	77.5	3.4	0.0
35°	658.4	655.3	641.3	608.8	548.8	455.6	342.5	229.7	64.2	2.8	0.0
36°	653.4	648.9	631.6	594.8	528.3	434.0	318.0	208.3	52.8	2.3	0.0
37°	644.3	637.9	620.4	574.5	499.3	403.4	290.1	184.7	44.2	1.7	0.0
38°	632.2	623.5	601.2	550.9	470.1	374.8	263.9	163.5	37.2	1.1	0.0
39°	613.4	603.1	573.0	518.7	436.3	341.5	233.9	140.9	31.7	0.8	0.0
40°	585.3	575.6	542.2	480.3	402.7	304.9	203.1	115.4	27.0	0.4	0.0
42.5°	487.3	474.0	435.3	373.8	297.7	219.3	134.4	64.2	17.8	0.0	0.0
45°	362.6	350.8	312.9	256.9	198.4	134.2	72.0	37.8	11.0	0.0	0.0
47.5°	204.8	203.5	178.8	147.5	110.7	71.4	36.5	22.8	4.7	0.0	0.0
50°	110.1	103.3	89.0	67.6	46.1	31.1	19.7	12.5	0.9	0.0	0.0
52.5°	40.2	38.9	32.7	27.1	20.9	14.2	10.1	5.5	0.0	0.0	0.0
55°	5.3	4.9	5.1	5.5	5.7	4.9	3.2	1.1	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	0.4	0.4	0.4	0.0	0.0	0.0	0.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	15.0	15.0	15.0	15.0
2.5°	11.6	8.9	7.6	7.4
5°	8.0	4.9	3.6	3.4
7.5°	5.5	2.5	1.7	1.5
10°	3.2	1.1	0.6	0.4
12.5°	1.9	0.2	0.0	0.0
15°	0.6	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.2	0.0	0.0	0.0
67.5°	0.2	0.0	0.0	0.0
70°	0.2	0.0	0.0	0.0
72.5°	0.2	0.0	0.0	0.0
75°	0.2	0.0	0.0	0.0
77.5°	0.2	0.0	0.0	0.0
80°	0.2	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.2	0.0	0.0	0.0
85°	0.2	0.0	0.0	0.0
87.5°	0.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)