

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: P1323703

Luminaire Tested: LDSQA3D09R159030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323703
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R159030D2WDE010 3LSQCA30R 1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

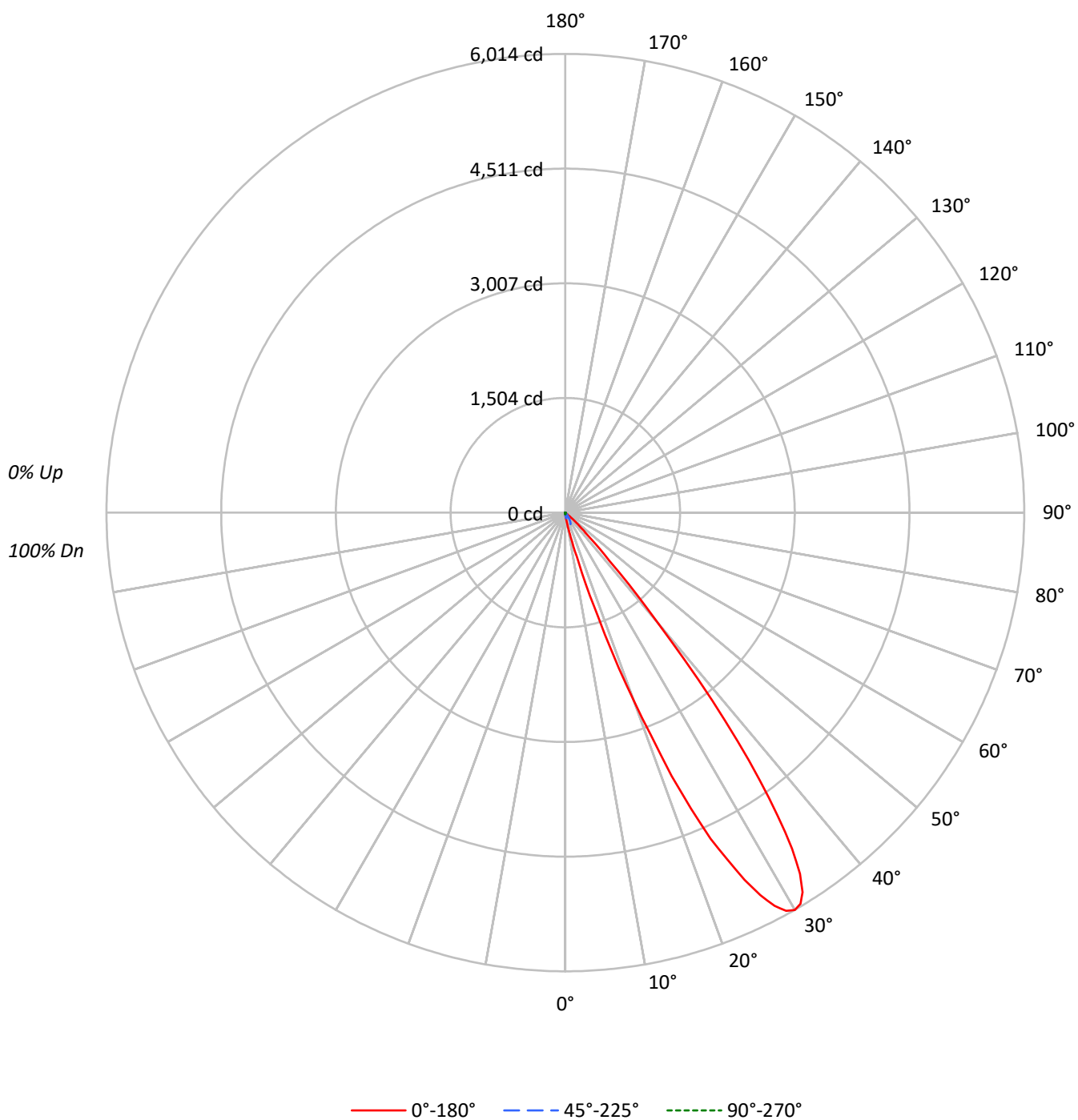
Lumens per Lamp: N/A
Luminaire Lumens: 636.0 lumens
Efficiency: N/A
Efficacy: 43.3 lumens/watt
Spacing Criteria (0/90/45): 2.33 / 0.38 / 1.17
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92		
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	57	52	74	64	57	52	63	56	52	61	56	52	60	55	51	50		
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	46	45		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3909	3909	3909	3909	3909
5°	11324	8558	3354	1383	934
10°	29467	12749	2221	0	0
15°	117819	20861	1195	0	0
20°	481336	30772	367	0	0
25°	951501	30499	0	0	0
30°	1195918	24083	0	0	0
35°	1020403	14759	0	0	0
40°	420100	4654	0	0	0
45°	90896	1948	0	0	0
50°	11655	0	0	0	0
55°	991	0	210	0	0
60°	0	0	448	0	0
65°	0	0	530	0	0
70°	0	352	1007	0	0
75°	0	466	1331	0	0
80°	0	694	1984	0	0
85°	0	1383	3952	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2°

Vertical Angle: 45°

Luminance: 95134 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.5
10°-20°	44.6	7.0
20°-30°	259.8	40.8
30°-40°	278.6	43.8
40°-50°	47.0	7.4
50°-60°	1.4	0.2
60°-70°	0.4	0.1
70°-80°	0.6	0.1
80°-90°	0.6	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°	307.4	48.3
0°-40°	586.0	92.1
0°-60°	634.4	99.7
0°-90°	636.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	636.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	23	23	23	23	23	
5°	66	50	19	8	5	9
15°	661	117	7	0	0	306
25°	5007	160	0	0	0	2265
35°	4853	70	0	0	0	2789
45°	373	8	0	0	0	441
55°	3	0	1	0	0	8
65°	0	0	1	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
2.5°	41.5	42.1	42.8	42.8	42.8	42.8	42.1	42.1	42.1	42.1	41.5
5°	65.5	65.5	65.5	65.5	65.5	65.5	64.9	64.9	64.9	64.9	64.9
7.5°	93.6	92.3	93.0	91.0	92.3	91.6	91.0	92.3	92.3	88.9	88.9
10°	168.5	167.9	161.2	162.5	163.9	163.2	163.2	159.2	158.5	155.8	153.2
12.5°	325.0	332.4	337.7	337.7	325.0	329.7	321.0	323.0	324.4	320.3	306.3
15°	660.8	672.8	660.1	672.1	667.5	650.1	630.7	604.6	614.6	596.6	590.5
17.5°	1447.3	1474.7	1463.3	1407.8	1425.9	1383.1	1356.3	1346.3	1318.2	1234.6	1199.8
20°	2626.3	2659.8	2628.3	2563.5	2584.2	2503.3	2482.5	2463.1	2338.8	2293.3	2147.5
21°	3122.6	3150.0	3162.0	3094.5	3053.0	2988.8	2935.3	2917.9	2842.4	2754.7	2604.9
22°	3721.8	3689.7	3617.5	3626.8	3565.3	3512.5	3438.2	3368.0	3283.8	3161.4	3037.6
23°	4218.0	4180.6	4146.5	4105.0	4038.8	4001.4	3895.0	3818.1	3708.4	3577.3	3458.3
24°	4680.2	4622.7	4601.3	4527.7	4509.0	4424.7	4338.4	4238.1	4105.7	3965.9	3834.2
25°	5007.2	5015.9	4997.2	4988.5	4892.9	4806.6	4721.0	4566.5	4453.5	4329.7	4127.1
26°	5357.7	5361.7	5352.3	5288.1	5201.8	5117.6	5007.2	4872.8	4708.9	4571.8	4388.6
27°	5625.8	5609.8	5596.4	5520.2	5449.3	5343.0	5242.6	5083.5	4923.6	4760.4	4547.8
28°	5839.9	5809.8	5793.0	5727.5	5644.6	5514.2	5391.1	5242.6	5082.8	4907.6	4677.5
29°	5968.9	5936.8	5918.1	5845.9	5750.2	5635.9	5511.5	5348.3	5176.4	4981.1	4749.7
30°	6013.7	5995.0	5965.6	5890.7	5791.7	5672.7	5544.9	5367.7	5187.8	4987.8	4743.0
31°	5984.3	5960.2	5932.2	5851.2	5744.2	5630.5	5482.1	5296.1	5106.9	4916.3	4656.8
32°	5867.3	5852.6	5818.5	5710.1	5623.2	5476.0	5329.6	5155.7	4949.0	4744.4	4509.6
33°	5647.9	5623.8	5594.4	5495.4	5384.4	5243.3	5097.5	4919.6	4714.3	4498.3	4240.1
34°	5313.5	5282.8	5246.0	5179.8	5038.0	4915.6	4747.1	4539.1	4369.2	4161.9	3928.5
35°	4853.4	4808.6	4764.4	4714.3	4555.1	4442.1	4328.4	4147.2	3983.3	3788.0	3523.8
36°	4337.1	4319.7	4283.6	4151.2	4099.7	3945.9	3854.2	3646.2	3513.8	3322.5	3104.5
37°	3753.2	3650.9	3703.1	3628.8	3473.7	3425.5	3316.5	3138.0	2994.8	2792.9	2635.0
38°	3127.3	3060.4	3097.2	3022.3	2941.3	2830.3	2747.4	2617.0	2456.5	2298.0	2148.1
39°	2478.5	2424.4	2464.5	2413.7	2290.6	2244.5	2170.9	2071.2	1942.2	1818.4	1676.7
40°	1868.6	1799.0	1852.5	1780.3	1724.1	1648.6	1611.1	1519.5	1439.2	1365.0	1274.7
42.5°	853.4	846.0	834.0	807.9	801.9	802.5	756.4	726.3	685.5	638.0	609.3
45°	373.2	382.5	390.6	375.9	375.2	367.2	364.5	344.4	336.4	321.0	302.3
47.5°	183.9	187.3	185.3	189.3	185.9	180.6	179.2	176.6	168.5	167.9	159.2
50°	43.5	42.8	42.8	43.5	42.8	42.8	42.1	40.8	40.1	40.8	38.8
52.5°	14.0	14.7	14.0	13.4	14.0	14.7	14.0	14.0	14.0	14.0	14.0
55°	3.3	3.3	3.3	3.3	3.3	3.3	2.7	2.7	3.3	3.3	3.3
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
2.5°	40.8	34.8	28.8	22.7	16.7	13.4	12.7	12.0
5°	61.5	49.5	32.8	19.4	11.4	8.0	6.0	5.4
7.5°	82.9	61.5	36.1	16.1	8.0	3.3	1.3	0.7
10°	119.0	72.9	37.5	12.7	4.0	0.0	0.0	0.0
12.5°	233.4	83.6	36.8	10.0	0.7	0.0	0.0	0.0
15°	387.9	117.0	34.1	6.7	0.0	0.0	0.0	0.0
17.5°	635.3	151.1	29.4	4.7	0.0	0.0	0.0	0.0
20°	985.1	167.9	22.7	2.0	0.0	0.0	0.0	0.0
21°	1155.0	169.2	20.1	1.3	0.0	0.0	0.0	0.0
22°	1302.1	169.2	17.4	0.7	0.0	0.0	0.0	0.0
23°	1438.6	167.2	15.4	0.0	0.0	0.0	0.0	0.0
24°	1550.9	164.5	14.0	0.0	0.0	0.0	0.0	0.0
25°	1635.2	160.5	12.7	0.0	0.0	0.0	0.0	0.0
26°	1674.0	155.2	10.7	0.0	0.0	0.0	0.0	0.0
27°	1693.4	147.8	9.4	0.0	0.0	0.0	0.0	0.0
28°	1680.0	139.8	8.0	0.0	0.0	0.0	0.0	0.0
29°	1646.6	131.1	6.0	0.0	0.0	0.0	0.0	0.0
30°	1603.1	121.1	4.7	0.0	0.0	0.0	0.0	0.0
31°	1539.6	111.0	3.3	0.0	0.0	0.0	0.0	0.0
32°	1452.6	101.0	2.7	0.0	0.0	0.0	0.0	0.0
33°	1336.2	90.3	1.3	0.0	0.0	0.0	0.0	0.0
34°	1192.4	79.6	0.7	0.0	0.0	0.0	0.0	0.0
35°	1031.3	70.2	0.0	0.0	0.0	0.0	0.0	0.0
36°	892.8	60.2	0.0	0.0	0.0	0.0	0.0	0.0
37°	753.7	48.2	0.0	0.0	0.0	0.0	0.0	0.0
38°	631.3	38.1	0.0	0.0	0.0	0.0	0.0	0.0
39°	522.3	30.8	0.0	0.0	0.0	0.0	0.0	0.0
40°	432.7	20.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	239.4	14.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	145.1	8.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	84.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0
50°	32.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2.7	0.0	0.0	0.7	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.7	1.3	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.7	1.3	0.7	0.0	0.0	0.0
65°	0.0	0.0	1.3	1.3	0.7	0.0	0.0	0.0
67.5°	0.0	0.0	1.3	2.0	0.7	0.0	0.0	0.0
70°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0
72.5°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0
75°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0
77.5°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0
80°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0
85°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0
87.5°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)