

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: P1325833

Luminaire Tested: LDSQA3D09R15W2N902765DE010 3LSQCA30R 1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325833
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: LDSQA3D09R15W2N902765DE010 3LSQCA30R 1MMS_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

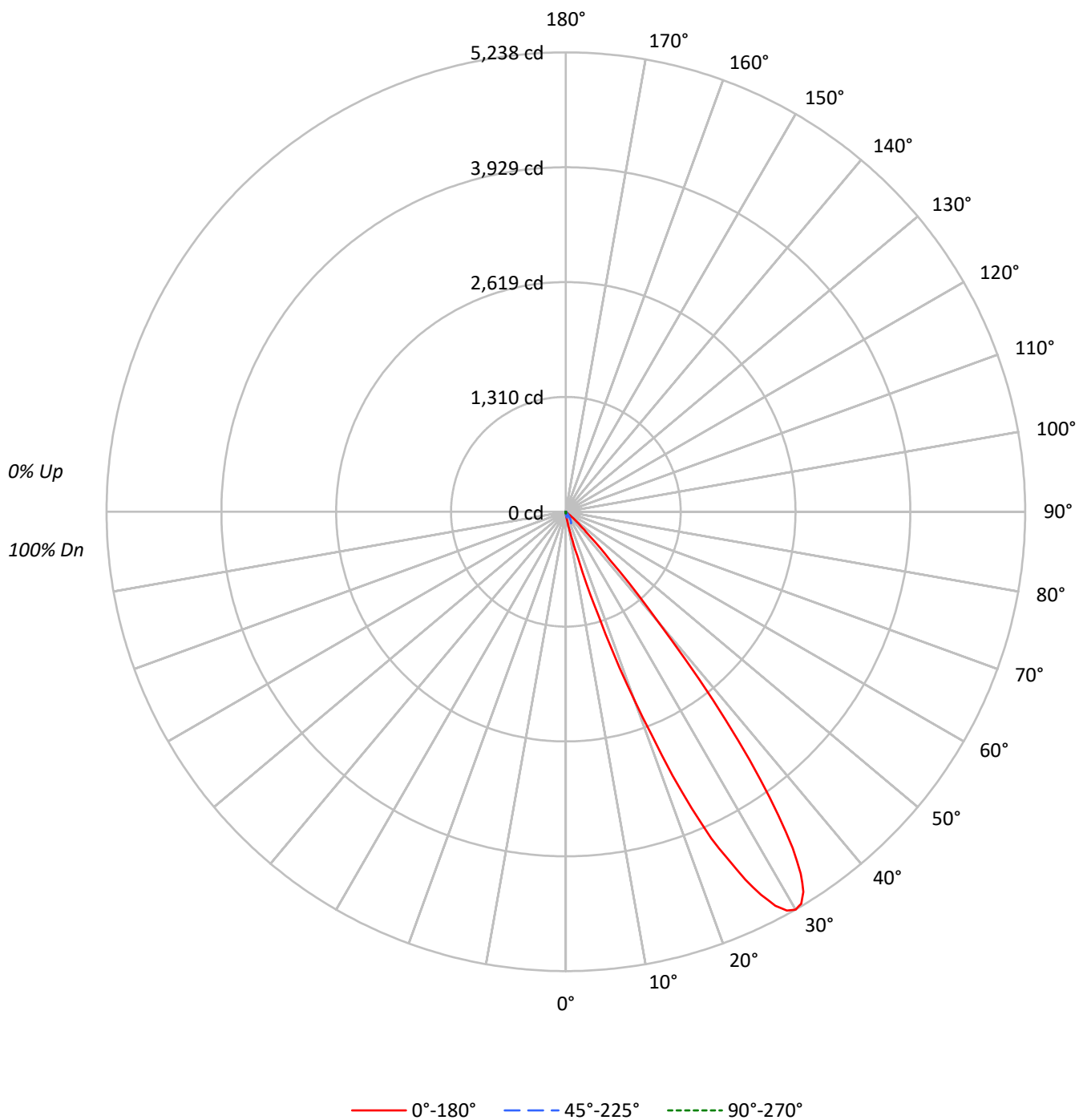
Lumens per Lamp: N/A
Luminaire Lumens: 554.0 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Spacing Criteria (0/90/45): 2.33 / 0.38 / 1.17
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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°	3410	3410	3410	3410	3410
5°	9871	7451	2922	1210	813
10°	25672	11105	1941	0	0
15°	102628	18169	1034	0	0
20°	419279	26795	312	0	0
25°	828820	26566	0	0	0
30°	1041737	20960	0	0	0
35°	888832	12867	0	0	0
40°	365941	4069	0	0	0
45°	79181	1705	0	0	0
50°	10155	0	0	0	0
55°	871	0	180	0	0
60°	0	0	413	0	0
65°	0	0	489	0	0
70°	0	302	856	0	0
75°	0	399	1131	0	0
80°	0	595	1686	0	0
85°	0	1186	3359	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2°

Vertical Angle: 45°

Luminance: 82859 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.5
10°-20°	38.8	7.0
20°-30°	226.3	40.8
30°-40°	242.6	43.8
40°-50°	41.0	7.4
50°-60°	1.2	0.2
60°-70°	0.4	0.1
70°-80°	0.5	0.1
80°-90°	0.5	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°	267.8	48.3
0°-40°	510.4	92.1
0°-60°	552.6	99.7
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°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	57	43	17	7	5	8
15°	576	102	6	0	0	266
25°	4362	140	0	0	0	1973
35°	4228	61	0	0	0	2430
45°	325	7	0	0	0	384
55°	3	0	1	0	0	7
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°	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
2.5°	36.1	36.7	37.3	37.3	37.3	37.3	36.7	36.7	36.7	36.7	36.1
5°	57.1	57.1	57.1	57.1	57.1	57.1	56.5	56.5	56.5	56.5	56.5
7.5°	81.6	80.4	81.0	79.2	80.4	79.8	79.2	80.4	80.4	77.5	77.5
10°	146.8	146.2	140.4	141.6	142.7	142.1	142.1	138.6	138.1	135.7	133.4
12.5°	283.1	289.5	294.2	294.2	283.1	287.2	279.6	281.4	282.5	279.0	266.8
15°	575.6	586.1	575.0	585.5	581.4	566.2	549.4	526.6	535.4	519.6	514.4
17.5°	1260.7	1284.5	1274.6	1226.3	1242.0	1204.7	1181.4	1172.7	1148.2	1075.4	1045.1
20°	2287.7	2316.8	2289.5	2233.0	2251.0	2180.5	2162.5	2145.6	2037.2	1997.6	1870.6
21°	2720.0	2743.9	2754.3	2695.5	2659.4	2603.5	2556.9	2541.7	2475.9	2399.6	2269.1
22°	3242.0	3214.0	3151.1	3159.2	3105.6	3059.6	2994.9	2933.8	2860.4	2753.8	2646.0
23°	3674.2	3641.6	3611.9	3575.8	3518.1	3485.5	3392.8	3325.8	3230.3	3116.1	3012.4
24°	4076.8	4026.7	4008.0	3943.9	3927.6	3854.2	3779.1	3691.7	3576.3	3454.6	3339.8
25°	4361.6	4369.2	4352.9	4345.3	4262.0	4186.9	4112.3	3977.7	3879.3	3771.5	3595.0
26°	4666.9	4670.4	4662.2	4606.3	4531.2	4457.8	4361.6	4244.5	4101.8	3982.4	3822.8
27°	4900.5	4886.5	4874.9	4808.5	4746.7	4654.1	4566.7	4428.0	4288.8	4146.7	3961.4
28°	5086.9	5060.7	5046.1	4989.1	4916.8	4803.2	4696.0	4566.7	4427.5	4274.8	4074.4
29°	5199.4	5171.4	5155.1	5092.2	5008.9	4909.2	4800.9	4658.7	4509.0	4338.9	4137.3
30°	5238.4	5222.1	5196.4	5131.2	5045.0	4941.3	4830.0	4675.6	4518.9	4344.7	4131.5
31°	5212.8	5191.8	5167.3	5096.8	5003.6	4904.6	4775.3	4613.3	4448.4	4282.4	4056.4
32°	5110.8	5098.0	5068.3	4973.9	4898.2	4770.0	4642.4	4491.0	4311.0	4132.7	3928.2
33°	4919.7	4898.8	4873.1	4786.9	4690.2	4567.3	4440.3	4285.3	4106.5	3918.3	3693.4
34°	4628.4	4601.6	4569.6	4511.9	4388.4	4281.8	4135.0	3953.8	3805.9	3625.3	3422.0
35°	4227.6	4188.6	4150.2	4106.5	3967.8	3869.4	3770.3	3612.5	3469.7	3299.6	3069.5
36°	3777.9	3762.8	3731.3	3616.0	3571.1	3437.1	3357.3	3176.1	3060.8	2894.2	2704.2
37°	3269.3	3180.2	3225.6	3161.0	3025.8	2983.9	2888.9	2733.4	2608.7	2432.8	2295.3
38°	2724.1	2665.8	2697.8	2632.6	2562.1	2465.4	2393.2	2279.6	2139.7	2001.7	1871.2
39°	2159.0	2111.8	2146.7	2102.5	1995.3	1955.1	1891.0	1804.2	1691.8	1584.0	1460.5
40°	1627.7	1567.1	1613.7	1550.8	1501.8	1436.0	1403.4	1323.6	1253.7	1189.0	1110.4
42.5°	743.3	736.9	726.5	703.7	698.5	699.1	658.9	632.7	597.1	555.8	530.7
45°	325.1	333.2	340.2	327.4	326.8	319.8	317.5	300.0	293.0	279.6	263.3
47.5°	160.2	163.1	161.4	164.9	162.0	157.3	156.1	153.8	146.8	146.2	138.6
50°	37.9	37.3	37.3	37.9	37.3	37.3	36.7	35.5	35.0	35.5	33.8
52.5°	12.2	12.8	12.2	11.7	12.2	12.8	12.2	12.2	12.2	12.2	12.2
55°	2.9	2.9	2.9	2.9	2.9	2.9	2.3	2.3	2.9	2.9	2.9
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°	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
2.5°	35.5	30.3	25.1	19.8	14.6	11.7	11.1	10.5
5°	53.6	43.1	28.5	16.9	9.9	7.0	5.2	4.7
7.5°	72.2	53.6	31.5	14.0	7.0	2.9	1.2	0.6
10°	103.7	63.5	32.6	11.1	3.5	0.0	0.0	0.0
12.5°	203.3	72.8	32.0	8.7	0.6	0.0	0.0	0.0
15°	337.9	101.9	29.7	5.8	0.0	0.0	0.0	0.0
17.5°	553.4	131.7	25.6	4.1	0.0	0.0	0.0	0.0
20°	858.1	146.2	19.8	1.7	0.0	0.0	0.0	0.0
21°	1006.1	147.4	17.5	1.2	0.0	0.0	0.0	0.0
22°	1134.2	147.4	15.1	0.6	0.0	0.0	0.0	0.0
23°	1253.1	145.6	13.4	0.0	0.0	0.0	0.0	0.0
24°	1351.0	143.3	12.2	0.0	0.0	0.0	0.0	0.0
25°	1424.4	139.8	11.1	0.0	0.0	0.0	0.0	0.0
26°	1458.2	135.2	9.3	0.0	0.0	0.0	0.0	0.0
27°	1475.0	128.7	8.2	0.0	0.0	0.0	0.0	0.0
28°	1463.4	121.8	7.0	0.0	0.0	0.0	0.0	0.0
29°	1434.3	114.2	5.2	0.0	0.0	0.0	0.0	0.0
30°	1396.4	105.4	4.1	0.0	0.0	0.0	0.0	0.0
31°	1341.1	96.7	2.9	0.0	0.0	0.0	0.0	0.0
32°	1265.3	88.0	2.3	0.0	0.0	0.0	0.0	0.0
33°	1164.0	78.6	1.2	0.0	0.0	0.0	0.0	0.0
34°	1038.7	69.3	0.6	0.0	0.0	0.0	0.0	0.0
35°	898.3	61.2	0.0	0.0	0.0	0.0	0.0	0.0
36°	777.7	52.4	0.0	0.0	0.0	0.0	0.0	0.0
37°	656.5	41.9	0.0	0.0	0.0	0.0	0.0	0.0
38°	549.9	33.2	0.0	0.0	0.0	0.0	0.0	0.0
39°	455.0	26.8	0.0	0.0	0.0	0.0	0.0	0.0
40°	376.9	18.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	208.6	12.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	126.4	7.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	73.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0
50°	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2.3	0.0	0.0	0.6	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.6	1.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.6	1.2	0.6	0.0	0.0	0.0
65°	0.0	0.0	1.2	1.2	0.6	0.0	0.0	0.0
67.5°	0.0	0.0	1.2	1.7	0.6	0.0	0.0	0.0
70°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
72.5°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
75°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
77.5°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
80°	0.0	0.6	1.2	1.7	0.6	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	0.6	1.2	1.7	0.6	0.0	0.0	0.0
85°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
87.5°	0.0	0.6	1.2	1.7	0.6	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)