

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: P1325839

Luminaire Tested: LDSQA3D09R15W2N902765DE010 3LSQCA30R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R15W2N902765DE010 3LSQCA30R 1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

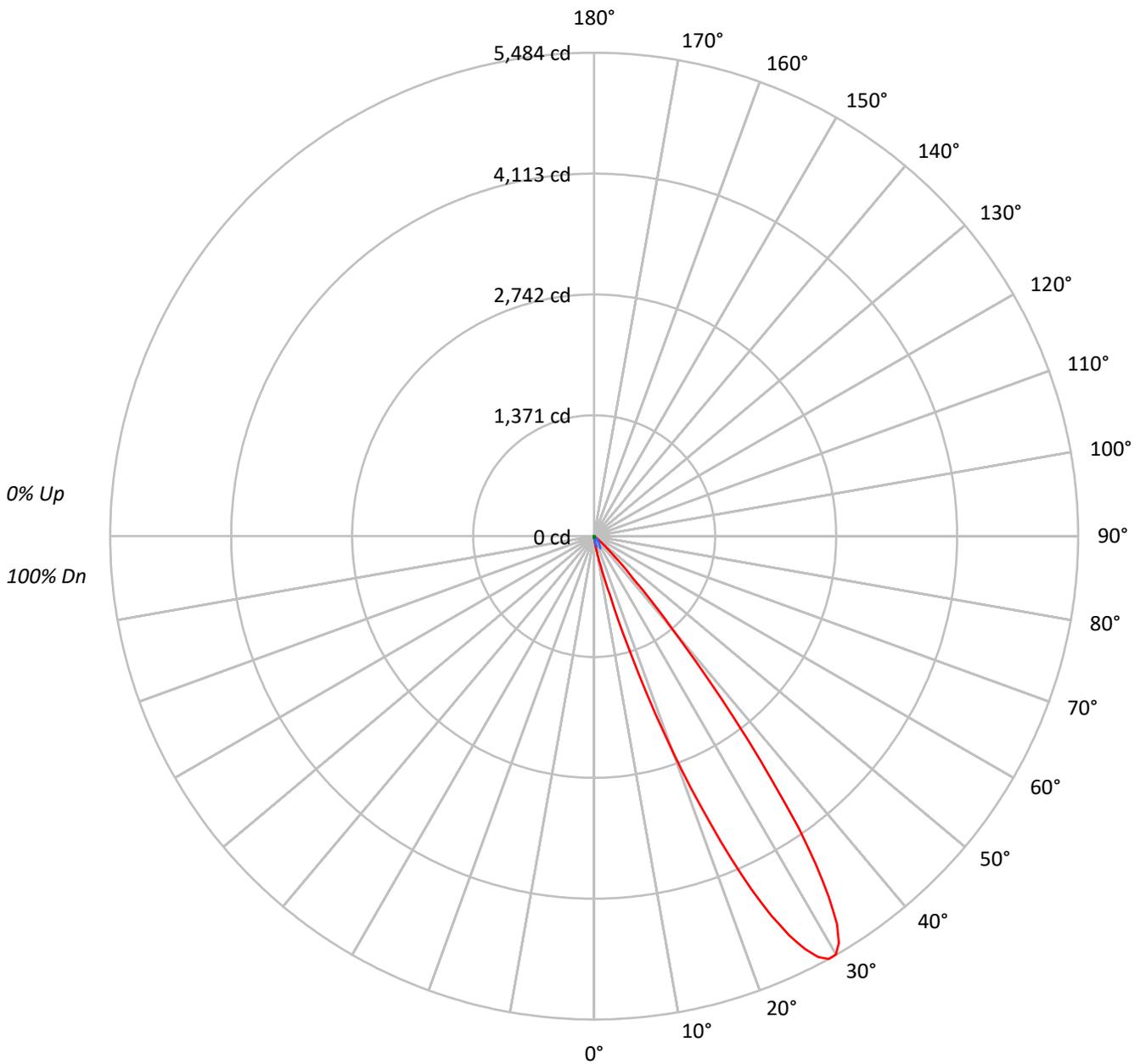
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 599.0 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
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



— 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	100				
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	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	69	64	72	67	64	71	66	63	61				
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55				
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50				
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45				
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41				
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3410	3410	3410	3410	3410
5°	7347	5446	3216	1712	1418
10°	32615	10300	2553	717	507
15°	123311	23785	1765	303	214
20°	474262	33539	1063	110	110
25°	901848	31449	551	0	0
30°	1089445	25375	239	0	0
35°	849684	17282	126	0	0
40°	310073	8521	135	0	135
45°	79620	2557	146	0	292
50°	13423	322	161	161	455
55°	1742	0	360	510	871
60°	207	207	586	792	1206
65°	245	245	937	1182	1426
70°	302	302	1158	1158	1460
75°	399	399	1530	1131	1530
80°	0	595	1686	1190	1686
85°	0	1186	3359	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 79620 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.5
10°-20°	45.9	7.7
20°-30°	254.6	42.5
30°-40°	245.9	41.1
40°-50°	42.8	7.1
50°-60°	3.1	0.5
60°-70°	1.8	0.3
70°-80°	1.5	0.2
80°-90°	0.7	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°	303.2	50.6
0°-40°	549.1	91.7
0°-60°	595.0	99.3
0°-90°	599.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	599.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	42	32	19	10	8	8
15°	692	133	10	2	1	308
25°	4746	166	3	0	0	2122
35°	4041	82	1	0	0	2324
45°	327	10	1	0	1	351
55°	6	0	1	2	3	11
65°	1	1	2	3	4	1
75°	1	1	2	2	2	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
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°	29.1	28.0	28.6	28.6	28.6	28.6	28.6	27.4	27.4	28.0	25.1
5°	42.5	42.5	42.0	42.5	42.5	42.0	40.8	40.2	40.2	39.0	31.5
7.5°	85.1	83.9	83.9	82.7	76.9	75.2	74.0	71.1	65.8	64.7	40.8
10°	186.5	187.0	183.0	177.7	177.1	168.4	165.5	160.2	150.3	140.4	58.9
12.5°	338.5	331.0	321.1	321.6	304.7	298.9	285.5	270.9	255.8	240.1	96.7
15°	691.6	670.1	682.9	651.4	615.9	575.7	534.9	483.6	439.9	393.3	133.4
17.5°	1456.7	1477.7	1442.1	1307.5	1224.8	1127.5	990.5	858.3	745.2	654.3	163.1
20°	2587.7	2618.5	2497.9	2380.8	2179.8	1960.7	1732.3	1473.6	1226.0	1011.5	183.0
21°	3060.2	3041.6	2992.0	2804.4	2572.5	2318.5	2038.8	1753.3	1453.2	1174.7	184.7
22°	3517.0	3525.8	3410.4	3214.0	2972.8	2691.4	2349.9	1997.4	1674.0	1307.5	181.8
23°	3972.1	4000.1	3847.4	3663.3	3359.7	3042.2	2647.1	2266.6	1866.9	1459.6	176.0
24°	4393.4	4374.2	4271.0	4039.1	3714.6	3342.8	2932.6	2471.1	2025.4	1589.5	171.3
25°	4745.9	4743.6	4581.6	4356.1	3984.9	3573.0	3120.8	2638.4	2161.1	1677.5	165.5
26°	5034.3	4987.1	4859.5	4584.5	4218.0	3783.3	3275.2	2760.1	2237.5	1721.8	159.7
27°	5256.9	5223.1	5051.8	4765.7	4382.9	3902.2	3374.3	2820.7	2272.4	1736.4	152.1
28°	5406.7	5369.9	5187.6	4892.7	4473.8	3976.8	3426.7	2846.4	2272.4	1722.4	145.1
29°	5484.2	5434.0	5252.2	4936.4	4494.8	3985.5	3413.9	2821.3	2236.9	1679.3	136.9
30°	5478.3	5416.0	5225.4	4896.8	4432.4	3913.8	3342.2	2731.0	2156.5	1615.2	127.6
31°	5383.9	5314.0	5101.3	4762.8	4303.6	3778.7	3207.1	2609.8	2046.4	1531.9	118.3
32°	5192.2	5103.7	4896.2	4558.9	4105.5	3576.5	3010.7	2422.8	1881.5	1410.1	108.4
33°	4879.9	4790.8	4568.2	4251.8	3837.5	3320.1	2750.2	2221.7	1693.8	1265.0	100.2
34°	4488.9	4407.4	4215.7	3896.9	3499.6	2995.5	2450.7	1943.8	1499.2	1121.1	91.5
35°	4041.4	3911.5	3737.9	3485.6	3098.1	2591.2	2127.4	1685.1	1298.8	970.2	82.2
36°	3436.0	3459.3	3275.2	2966.4	2645.4	2248.0	1802.8	1404.8	1086.1	826.8	74.0
37°	2899.4	2862.7	2745.6	2506.7	2227.0	1832.5	1510.9	1191.0	913.6	699.2	65.3
38°	2338.9	2347.0	2232.2	2048.7	1771.3	1506.8	1216.0	978.3	764.5	594.9	57.1
39°	1830.8	1824.4	1793.5	1623.3	1372.2	1198.6	985.3	811.1	636.9	501.7	48.4
40°	1379.2	1389.7	1317.4	1214.9	1068.6	925.9	784.9	646.8	526.7	423.0	37.9
42.5°	670.7	687.0	639.2	613.0	548.3	492.4	415.4	339.1	288.4	249.4	16.9
45°	326.9	317.6	313.5	300.7	285.5	255.2	226.1	194.0	169.6	146.3	10.5
47.5°	167.2	162.6	162.6	157.3	152.1	142.2	127.6	117.1	105.5	90.9	4.1
50°	50.1	49.5	48.9	49.5	47.8	49.5	50.7	51.3	46.6	46.0	1.2
52.5°	19.8	20.4	19.8	21.6	21.6	21.0	21.6	21.0	20.4	18.1	0.0
55°	5.8	5.8	5.8	5.8	5.8	5.8	6.4	7.0	6.4	7.0	0.0
57.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0
60°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6
62.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	19.8	19.8	19.8	19.8	19.8	19.8
2.5°	23.3	20.4	16.9	14.0	12.8	12.2
5°	25.1	18.6	12.8	9.9	8.7	8.2
7.5°	26.8	16.9	9.9	7.0	5.2	4.7
10°	28.0	14.6	7.6	4.1	2.9	2.9
12.5°	28.0	11.7	5.2	2.3	1.7	1.7
15°	27.4	9.9	3.5	1.7	1.2	1.2
17.5°	26.8	7.6	2.3	1.2	0.6	1.2
20°	25.1	5.8	1.2	0.6	0.6	0.6
21°	24.5	5.2	1.2	0.6	0.6	0.6
22°	23.3	4.7	0.6	0.0	0.6	0.6
23°	22.1	3.5	0.6	0.0	0.0	0.0
24°	20.4	2.9	0.6	0.0	0.0	0.0
25°	19.2	2.9	0.6	0.0	0.0	0.0
26°	18.1	1.7	0.0	0.0	0.0	0.0
27°	16.3	1.2	0.0	0.0	0.0	0.0
28°	15.1	1.2	0.0	0.0	0.0	0.0
29°	13.4	1.2	0.0	0.0	0.0	0.0
30°	11.7	1.2	0.0	0.0	0.0	0.0
31°	9.3	0.6	0.0	0.0	0.0	0.0
32°	7.6	0.6	0.0	0.0	0.0	0.0
33°	5.2	0.6	0.0	0.0	0.0	0.0
34°	3.5	0.6	0.0	0.0	0.0	0.0
35°	2.9	0.6	0.0	0.0	0.0	0.0
36°	1.7	0.6	0.0	0.0	0.0	0.6
37°	1.7	0.6	0.0	0.0	0.0	0.6
38°	1.2	0.6	0.0	0.0	0.0	0.6
39°	0.6	0.6	0.0	0.0	0.0	0.6
40°	0.6	0.6	0.0	0.0	0.0	0.6
42.5°	0.0	0.6	0.0	0.0	0.6	1.2
45°	0.0	0.6	0.0	0.0	0.6	1.2
47.5°	0.0	0.6	0.0	0.0	1.2	1.2
50°	0.0	0.6	0.6	0.6	1.2	1.7
52.5°	0.0	1.2	0.6	1.2	1.7	2.3
55°	0.6	1.2	1.2	1.7	2.3	2.9
57.5°	0.6	1.7	1.7	2.3	2.9	2.9
60°	1.2	1.7	2.3	2.3	3.5	3.5
62.5°	1.2	2.3	2.3	2.3	3.5	3.5
65°	1.2	2.3	2.3	2.9	3.5	3.5
67.5°	1.2	2.3	2.3	2.3	2.9	3.5
70°	1.2	2.3	1.7	2.3	2.9	2.9
72.5°	1.2	2.3	1.7	1.7	2.3	2.9
75°	1.2	2.3	1.7	1.7	2.3	2.3
77.5°	1.2	1.7	1.7	1.2	1.7	1.7
80°	1.2	1.7	1.2	1.2	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	1.2	1.7	1.2	0.6	1.2	1.2
85°	1.2	1.7	1.2	0.6	0.6	0.6
87.5°	1.2	1.7	0.6	0.0	0.0	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)