

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: P1325832

Luminaire Tested: LDSQA3D09R15W2N902765DE010 3LSQCA30R 1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325832
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

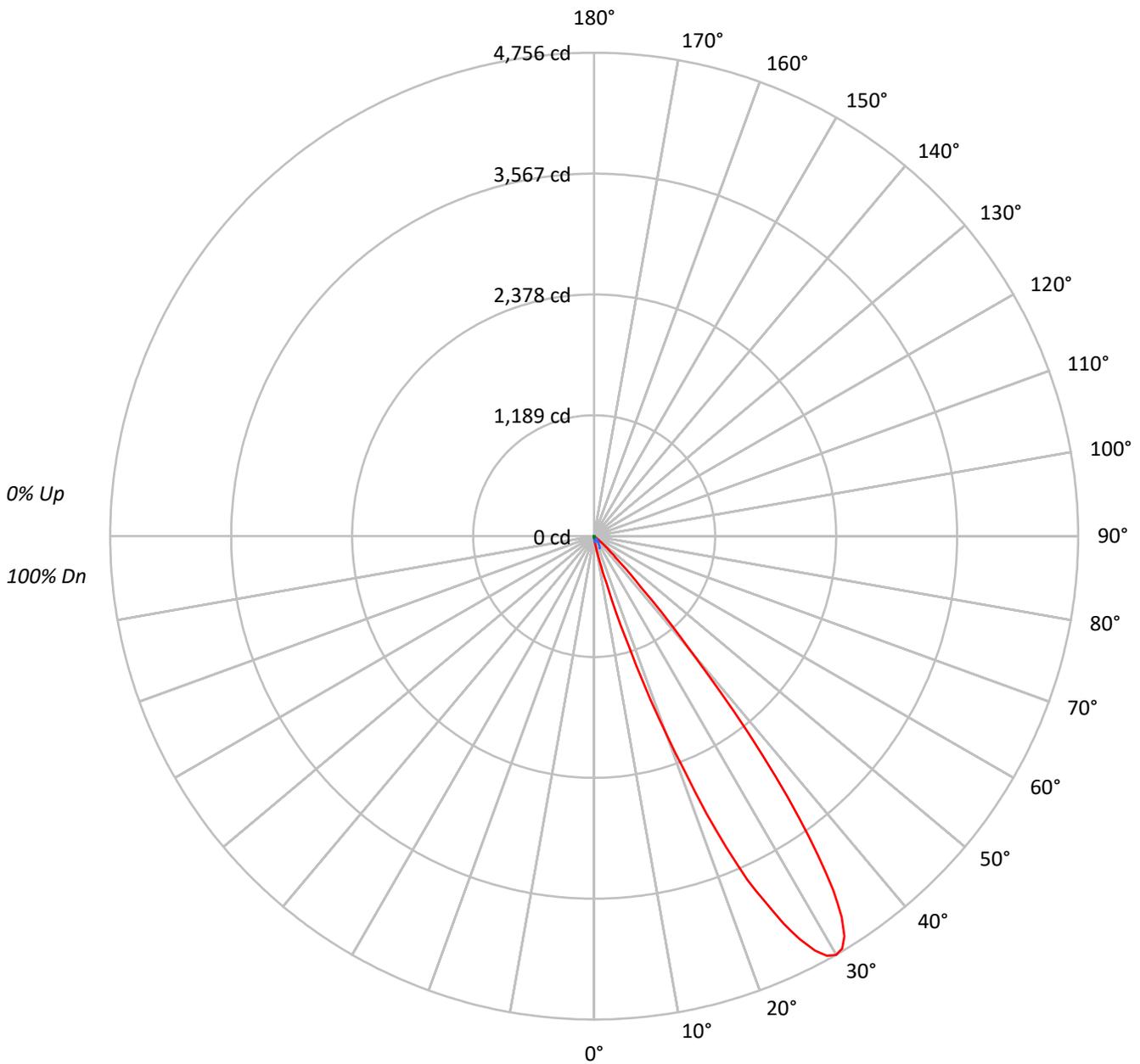
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 503.0 lumens
Efficiency: N/A
Efficacy: 55.9 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



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3100	3100	3100	3100	3100
5°	8955	6760	2645	1089	726
10°	23311	10091	1749	0	0
15°	93179	16510	945	0	0
20°	380682	24339	293	0	0
25°	752525	24114	0	0	0
30°	945844	19031	0	0	0
35°	807026	11669	0	0	0
40°	332240	3687	0	0	0
45°	71874	1534	0	0	0
50°	9217	0	0	0	0
55°	781	0	150	0	0
60°	0	0	379	0	0
65°	0	0	448	0	0
70°	0	252	806	0	0
75°	0	333	1065	0	0
80°	0	496	1587	0	0
85°	0	988	3162	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2°
 Vertical Angle: 45°
 Luminance: 75236 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.5
10°-20°	35.3	7.0
20°-30°	205.5	40.8
30°-40°	220.3	43.8
40°-50°	37.2	7.4
50°-60°	1.1	0.2
60°-70°	0.3	0.1
70°-80°	0.5	0.1
80°-90°	0.4	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°	243.1	48.3
0°-40°	463.4	92.1
0°-60°	501.7	99.7
0°-90°	503.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	503.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	52	39	15	6	4	7
15°	523	93	5	0	0	242
25°	3960	127	0	0	0	1792
35°	3838	56	0	0	0	2206
45°	295	6	0	0	0	349
55°	3	0	0	0	0	7
65°	0	0	1	0	0	0
75°	0	0	2	0	0	0
85°	0	0	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°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2.5°	32.8	33.3	33.9	33.9	33.9	33.9	33.3	33.3	33.3	33.3	32.8
5°	51.8	51.8	51.8	51.8	51.8	51.8	51.3	51.3	51.3	51.3	51.3
7.5°	74.1	73.0	73.5	71.9	73.0	72.5	71.9	73.0	73.0	70.3	70.3
10°	133.3	132.8	127.5	128.5	129.6	129.1	129.1	125.9	125.4	123.2	121.1
12.5°	257.1	262.9	267.1	267.1	257.1	260.8	253.9	255.5	256.5	253.4	242.3
15°	522.6	532.1	522.1	531.6	527.9	514.1	498.8	478.2	486.1	471.8	467.0
17.5°	1144.6	1166.3	1157.3	1113.4	1127.7	1093.8	1072.7	1064.7	1042.5	976.4	948.9
20°	2077.1	2103.6	2078.7	2027.4	2043.8	1979.8	1963.4	1948.1	1849.7	1813.7	1698.4
21°	2469.6	2491.3	2500.8	2447.4	2414.6	2363.8	2321.5	2307.7	2248.0	2178.7	2060.2
22°	2943.5	2918.1	2861.0	2868.4	2819.7	2777.9	2719.2	2663.7	2597.1	2500.3	2402.4
23°	3336.0	3306.4	3279.4	3246.6	3194.2	3164.6	3080.5	3019.7	2932.9	2829.3	2735.1
24°	3701.5	3656.0	3639.1	3580.9	3566.1	3499.4	3431.2	3351.8	3247.1	3136.6	3032.4
25°	3960.1	3967.0	3952.2	3945.3	3869.7	3801.4	3733.7	3611.5	3522.2	3424.3	3264.0
26°	4237.3	4240.4	4233.0	4182.3	4114.0	4047.4	3960.1	3853.8	3724.2	3615.8	3470.8
27°	4449.4	4436.7	4426.1	4365.8	4309.7	4225.6	4146.3	4020.4	3894.0	3764.9	3596.7
28°	4618.6	4594.8	4581.6	4529.8	4464.2	4361.0	4263.7	4146.3	4019.9	3881.3	3699.3
29°	4720.7	4695.3	4680.5	4623.4	4547.8	4457.3	4358.9	4229.9	4093.9	3939.5	3756.5
30°	4756.2	4741.3	4718.1	4658.8	4580.5	4486.4	4385.4	4245.2	4102.9	3944.8	3751.2
31°	4732.9	4713.8	4691.6	4627.6	4543.0	4453.1	4335.7	4188.6	4038.9	3888.2	3683.0
32°	4640.3	4628.7	4601.7	4516.0	4447.3	4330.9	4215.1	4077.5	3914.1	3752.2	3566.6
33°	4466.8	4447.8	4424.5	4346.2	4258.4	4146.8	4031.5	3890.8	3728.4	3557.6	3353.4
34°	4202.4	4178.0	4148.9	4096.6	3984.4	3887.6	3754.4	3589.9	3455.5	3291.5	3106.9
35°	3838.5	3803.0	3768.1	3728.4	3602.6	3513.2	3423.2	3279.9	3150.3	2995.9	2786.9
36°	3430.1	3416.4	3387.8	3283.1	3242.4	3120.7	3048.2	2883.7	2779.0	2627.7	2455.3
37°	2968.4	2887.4	2928.7	2870.0	2747.3	2709.2	2623.0	2481.7	2368.6	2208.8	2084.0
38°	2473.3	2420.4	2449.5	2390.2	2326.2	2238.4	2172.9	2069.7	1942.8	1817.4	1698.9
39°	1960.2	1917.4	1949.1	1908.9	1811.6	1775.1	1716.9	1638.1	1536.0	1438.2	1326.0
40°	1477.8	1422.8	1465.1	1408.0	1363.6	1303.8	1274.2	1201.7	1138.3	1079.5	1008.1
42.5°	674.9	669.1	659.6	638.9	634.2	634.7	598.2	574.4	542.2	504.6	481.9
45°	295.1	302.5	308.9	297.3	296.7	290.4	288.3	272.4	266.1	253.9	239.1
47.5°	145.5	148.1	146.5	149.7	147.0	142.8	141.8	139.6	133.3	132.8	125.9
50°	34.4	33.9	33.9	34.4	33.9	33.9	33.3	32.3	31.7	32.3	30.7
52.5°	11.1	11.6	11.1	10.6	11.1	11.6	11.1	11.1	11.1	11.1	11.1
55°	2.6	2.6	2.6	2.6	2.6	2.6	2.1	2.1	2.6	2.6	2.6
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°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2.5°	32.3	27.5	22.7	18.0	13.2	10.6	10.0	9.5
5°	48.7	39.1	25.9	15.3	9.0	6.3	4.8	4.2
7.5°	65.6	48.7	28.6	12.7	6.3	2.6	1.1	0.5
10°	94.1	57.7	29.6	10.0	3.2	0.0	0.0	0.0
12.5°	184.6	66.1	29.1	7.9	0.5	0.0	0.0	0.0
15°	306.8	92.6	27.0	5.3	0.0	0.0	0.0	0.0
17.5°	502.5	119.5	23.3	3.7	0.0	0.0	0.0	0.0
20°	779.1	132.8	18.0	1.6	0.0	0.0	0.0	0.0
21°	913.5	133.8	15.9	1.1	0.0	0.0	0.0	0.0
22°	1029.8	133.8	13.8	0.5	0.0	0.0	0.0	0.0
23°	1137.7	132.2	12.2	0.0	0.0	0.0	0.0	0.0
24°	1226.6	130.1	11.1	0.0	0.0	0.0	0.0	0.0
25°	1293.2	126.9	10.0	0.0	0.0	0.0	0.0	0.0
26°	1323.9	122.7	8.5	0.0	0.0	0.0	0.0	0.0
27°	1339.3	116.9	7.4	0.0	0.0	0.0	0.0	0.0
28°	1328.7	110.5	6.3	0.0	0.0	0.0	0.0	0.0
29°	1302.2	103.7	4.8	0.0	0.0	0.0	0.0	0.0
30°	1267.8	95.7	3.7	0.0	0.0	0.0	0.0	0.0
31°	1217.6	87.8	2.6	0.0	0.0	0.0	0.0	0.0
32°	1148.8	79.9	2.1	0.0	0.0	0.0	0.0	0.0
33°	1056.8	71.4	1.1	0.0	0.0	0.0	0.0	0.0
34°	943.1	62.9	0.5	0.0	0.0	0.0	0.0	0.0
35°	815.6	55.5	0.0	0.0	0.0	0.0	0.0	0.0
36°	706.1	47.6	0.0	0.0	0.0	0.0	0.0	0.0
37°	596.1	38.1	0.0	0.0	0.0	0.0	0.0	0.0
38°	499.3	30.1	0.0	0.0	0.0	0.0	0.0	0.0
39°	413.1	24.3	0.0	0.0	0.0	0.0	0.0	0.0
40°	342.2	16.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	189.4	11.1	0.0	0.0	0.0	0.0	0.0	0.0
45°	114.8	6.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	66.6	2.1	0.0	0.0	0.0	0.0	0.0	0.0
50°	25.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2.1	0.0	0.0	0.5	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.5	1.1	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.5	1.1	0.5	0.0	0.0	0.0
65°	0.0	0.0	1.1	1.1	0.5	0.0	0.0	0.0
67.5°	0.0	0.0	1.1	1.6	0.5	0.0	0.0	0.0
70°	0.0	0.5	1.1	1.6	0.5	0.0	0.0	0.0
72.5°	0.0	0.5	1.1	1.6	0.5	0.0	0.0	0.0
75°	0.0	0.5	1.1	1.6	0.5	0.0	0.0	0.0
77.5°	0.0	0.5	1.1	1.6	0.5	0.0	0.0	0.0
80°	0.0	0.5	1.1	1.6	0.5	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	0.5	1.1	1.6	0.5	0.0	0.0	0.0
85°	0.0	0.5	1.1	1.6	0.5	0.0	0.0	0.0
87.5°	0.0	0.5	1.1	1.6	0.5	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)