

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: P1318448

Luminaire Tested: LDSQA3D17R159830DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318448
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: LDSQA3D17R159830DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

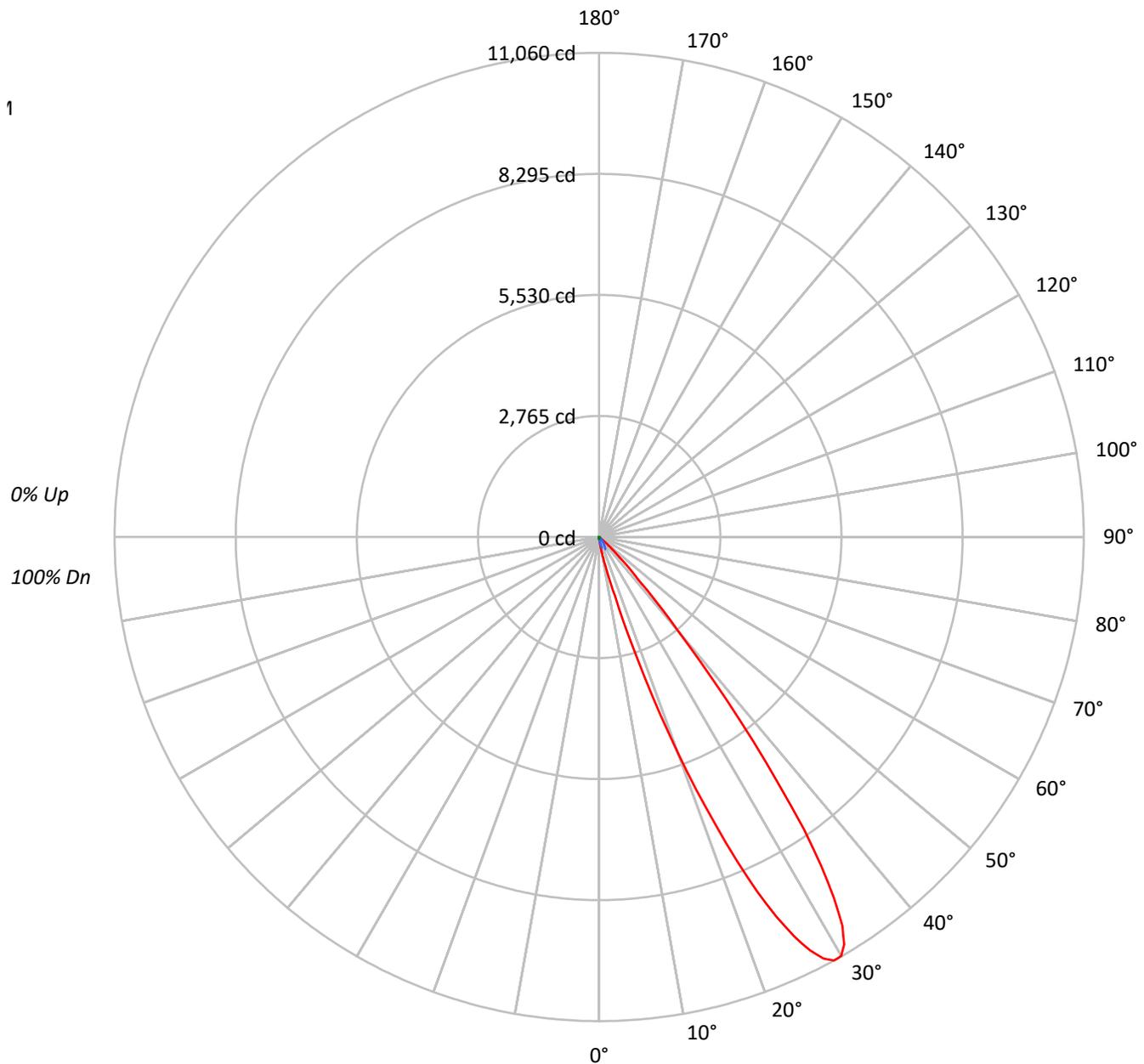
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1208.1 lumens
Efficiency: N/A
Efficacy: 59.2 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): 20.4
Input Voltage (V): NR
Input Current (A_{in}): 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	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92				92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83				83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75				75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68				68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61				61
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55				55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50				50
8	71	60	53	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45				45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41				41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37				37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6889	6889	6889	6889	6889
5°	14833	10978	6500	3458	2853
10°	65755	20758	5141	1434	1032
15°	248690	47980	3566	624	428
20°	956423	67629	2163	220	220
25°	1818745	63412	1121	0	0
30°	2197087	51168	477	0	0
35°	1713581	34838	252	0	0
40°	625316	17176	270	0	270
45°	160554	5163	292	0	585
50°	27088	643	322	322	938
55°	3543	0	721	1051	1772
60°	413	413	1206	1619	2446
65°	489	489	1915	2404	2893
70°	604	604	2367	2367	2971
75°	799	799	3127	2329	3127
80°	0	1190	3471	2380	3471
85°	0	2371	6916	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 160554 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.5
10°-20°	92.6	7.7
20°-30°	513.4	42.5
30°-40°	496.0	41.1
40°-50°	86.3	7.1
50°-60°	6.2	0.5
60°-70°	3.7	0.3
70°-80°	3.0	0.2
80°-90°	1.5	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°	611.5	50.6
0°-40°	1107.5	91.7
0°-60°	1199.9	99.3
0°-90°	1208.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1208.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	40	40	40	40	40	
5°	86	64	38	20	16	17
15°	1395	269	20	4	2	622
25°	9571	334	6	0	0	4279
35°	8150	166	1	0	0	4687
45°	659	21	1	0	2	708
55°	12	0	2	4	6	23
65°	1	1	5	6	7	1
75°	1	1	5	4	5	1
85°	0	1	4	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°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2.5°	58.8	56.4	57.6	57.6	57.6	57.6	57.6	55.2	55.2	56.4	50.5
5°	85.8	85.8	84.6	85.8	85.8	84.6	82.3	81.1	81.1	78.7	63.5
7.5°	171.6	169.2	169.2	166.9	155.1	151.6	149.2	143.4	132.8	130.4	82.3
10°	376.0	377.2	369.0	358.4	357.2	339.6	333.7	323.1	303.2	283.2	118.7
12.5°	682.7	667.4	647.5	648.6	614.6	602.8	575.8	546.4	515.9	484.1	195.1
15°	1394.8	1351.3	1377.2	1313.7	1242.1	1161.0	1078.7	975.3	887.2	793.2	269.1
17.5°	2937.7	2980.0	2908.3	2636.9	2470.0	2273.8	1997.6	1730.9	1502.9	1319.6	329.0
20°	5218.5	5280.8	5037.6	4801.4	4396.0	3954.1	3493.5	2971.8	2472.4	2039.9	369.0
21°	6171.5	6133.9	6034.0	5655.7	5188.0	4675.6	4111.6	3535.8	2930.7	2369.0	372.5
22°	7092.8	7110.4	6877.7	6481.7	5995.3	5427.7	4739.1	4028.2	3376.0	2636.9	366.6
23°	8010.5	8066.9	7759.1	7387.7	6775.5	6135.1	5338.4	4571.1	3765.0	2943.6	354.9
24°	8860.1	8821.3	8613.3	8145.7	7491.1	6741.4	5914.2	4983.5	4084.6	3205.6	345.5
25°	9571.0	9566.3	9239.7	8784.9	8036.4	7205.6	6293.7	5320.8	4358.4	3383.1	333.7
26°	10152.7	10057.5	9800.2	9245.5	8506.4	7629.8	6605.1	5566.4	4512.3	3472.4	322.0
27°	10601.6	10533.4	10187.9	9611.0	8839.0	7869.5	6804.9	5688.6	4582.8	3501.7	306.7
28°	10903.6	10829.5	10461.7	9867.1	9022.3	8019.9	6910.6	5740.3	4582.8	3473.5	292.6
29°	11059.9	10958.8	10592.2	9955.3	9064.6	8037.5	6884.8	5689.7	4511.1	3386.6	276.1
30°	11048.1	10922.4	10538.1	9875.4	8938.8	7893.0	6740.3	5507.6	4349.0	3257.3	257.3
31°	10857.7	10716.7	10287.8	9605.1	8679.1	7620.4	6467.6	5263.2	4126.9	3089.3	238.5
32°	10471.1	10292.5	9874.2	9193.8	8279.6	7212.6	6071.6	4886.0	3794.3	2843.7	218.6
33°	9841.3	9661.5	9212.6	8574.6	7739.1	6695.6	5546.4	4480.6	3416.0	2551.1	202.1
34°	9052.8	8888.3	8501.7	7858.9	7057.5	6041.1	4942.4	3920.1	3023.5	2260.9	184.5
35°	8150.4	7888.3	7538.1	7029.3	6247.9	5225.6	4290.2	3398.3	2619.3	1956.5	165.7
36°	6929.4	6976.5	6605.1	5982.3	5334.9	4533.5	3635.7	2833.1	2190.3	1667.4	149.2
37°	5847.2	5773.2	5537.0	5055.2	4491.2	3695.6	3047.0	2401.9	1842.5	1410.1	131.6
38°	4716.8	4733.2	4501.7	4131.6	3572.2	3038.8	2452.4	1973.0	1541.7	1199.8	115.2
39°	3692.1	3679.2	3616.9	3273.8	2767.3	2417.1	1987.1	1635.7	1284.4	1011.7	97.5
40°	2781.4	2802.6	2656.9	2450.0	2155.1	1867.2	1582.8	1304.3	1062.3	853.1	76.4
42.5°	1352.5	1385.4	1289.1	1236.2	1105.8	992.9	837.8	683.9	581.7	502.9	34.1
45°	659.2	640.4	632.2	606.3	575.8	514.7	455.9	391.3	341.9	294.9	21.2
47.5°	337.2	327.8	327.8	317.3	306.7	286.7	257.3	236.2	212.7	183.3	8.2
50°	101.1	99.9	98.7	99.9	96.4	99.9	102.2	103.4	94.0	92.8	2.4
52.5°	40.0	41.1	40.0	43.5	43.5	42.3	43.5	42.3	41.1	36.4	0.0
55°	11.8	11.8	11.8	11.8	11.8	11.8	12.9	14.1	12.9	14.1	0.0
57.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.0
60°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2
62.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2



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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	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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°	40.0	40.0	40.0	40.0	40.0	40.0
2.5°	47.0	41.1	34.1	28.2	25.9	24.7
5°	50.5	37.6	25.9	20.0	17.6	16.5
7.5°	54.1	34.1	20.0	14.1	10.6	9.4
10°	56.4	29.4	15.3	8.2	5.9	5.9
12.5°	56.4	23.5	10.6	4.7	3.5	3.5
15°	55.2	20.0	7.1	3.5	2.4	2.4
17.5°	54.1	15.3	4.7	2.4	1.2	2.4
20°	50.5	11.8	2.4	1.2	1.2	1.2
21°	49.4	10.6	2.4	1.2	1.2	1.2
22°	47.0	9.4	1.2	0.0	1.2	1.2
23°	44.7	7.1	1.2	0.0	0.0	0.0
24°	41.1	5.9	1.2	0.0	0.0	0.0
25°	38.8	5.9	1.2	0.0	0.0	0.0
26°	36.4	3.5	0.0	0.0	0.0	0.0
27°	32.9	2.4	0.0	0.0	0.0	0.0
28°	30.6	2.4	0.0	0.0	0.0	0.0
29°	27.0	2.4	0.0	0.0	0.0	0.0
30°	23.5	2.4	0.0	0.0	0.0	0.0
31°	18.8	1.2	0.0	0.0	0.0	0.0
32°	15.3	1.2	0.0	0.0	0.0	0.0
33°	10.6	1.2	0.0	0.0	0.0	0.0
34°	7.1	1.2	0.0	0.0	0.0	0.0
35°	5.9	1.2	0.0	0.0	0.0	0.0
36°	3.5	1.2	0.0	0.0	0.0	1.2
37°	3.5	1.2	0.0	0.0	0.0	1.2
38°	2.4	1.2	0.0	0.0	0.0	1.2
39°	1.2	1.2	0.0	0.0	0.0	1.2
40°	1.2	1.2	0.0	0.0	0.0	1.2
42.5°	0.0	1.2	0.0	0.0	1.2	2.4
45°	0.0	1.2	0.0	0.0	1.2	2.4
47.5°	0.0	1.2	0.0	0.0	2.4	2.4
50°	0.0	1.2	1.2	1.2	2.4	3.5
52.5°	0.0	2.4	1.2	2.4	3.5	4.7
55°	1.2	2.4	2.4	3.5	4.7	5.9
57.5°	1.2	3.5	3.5	4.7	5.9	5.9
60°	2.4	3.5	4.7	4.7	7.1	7.1
62.5°	2.4	4.7	4.7	4.7	7.1	7.1
65°	2.4	4.7	4.7	5.9	7.1	7.1
67.5°	2.4	4.7	4.7	4.7	5.9	7.1
70°	2.4	4.7	3.5	4.7	5.9	5.9
72.5°	2.4	4.7	3.5	3.5	4.7	5.9
75°	2.4	4.7	3.5	3.5	4.7	4.7
77.5°	2.4	3.5	3.5	2.4	3.5	3.5
80°	2.4	3.5	2.4	2.4	3.5	3.5



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	2.4	3.5	2.4	1.2	2.4	2.4
85°	2.4	3.5	2.4	1.2	1.2	1.2
87.5°	2.4	3.5	1.2	0.0	0.0	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)