

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: P1318786

Luminaire Tested: LDSQA3D02R309835DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318786
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309835DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

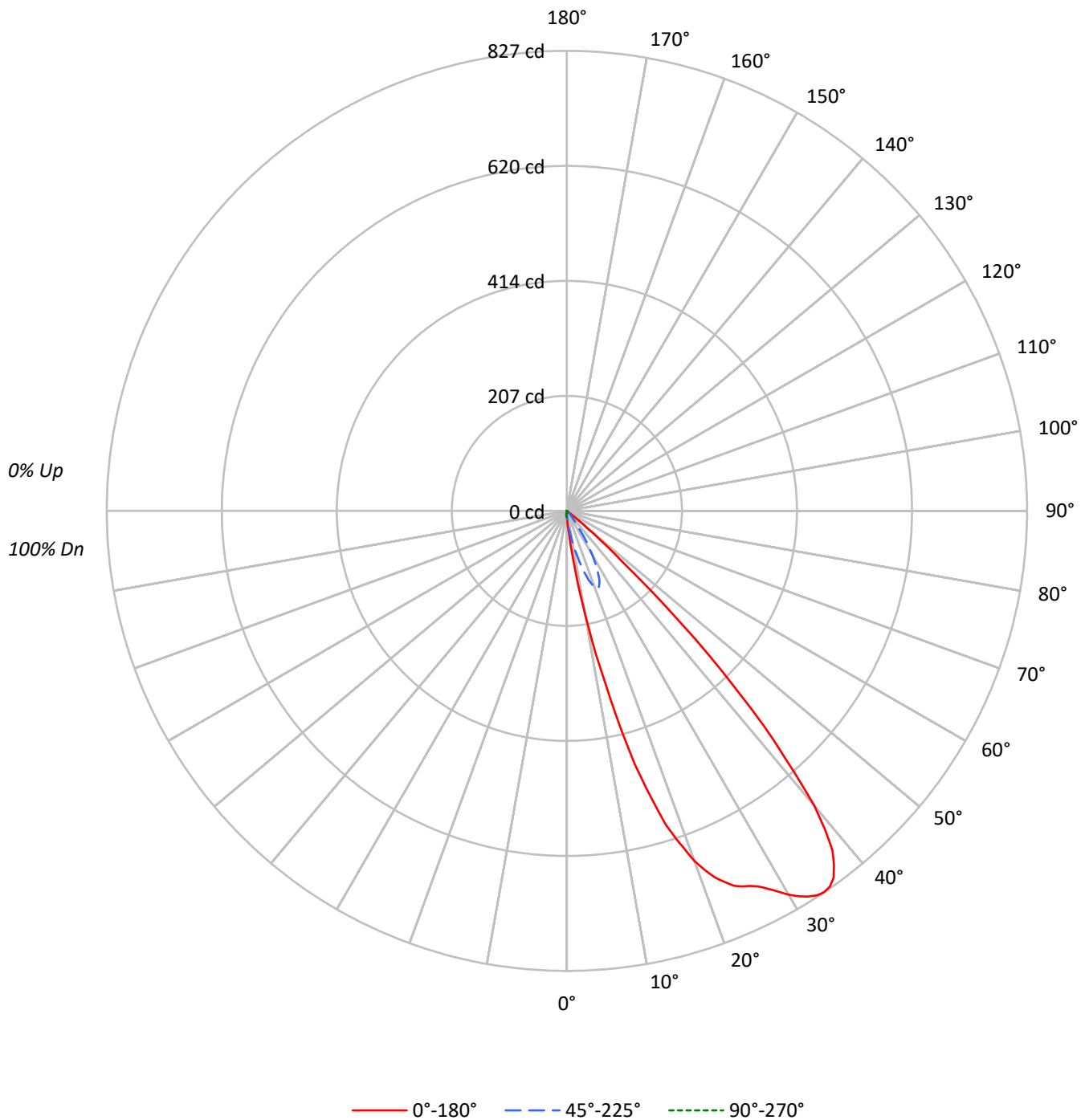
Lumens per Lamp: N/A
Luminaire Lumens: 199.0 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Spacing Criteria (0/90/45): 2.42 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	93	92		
2	106	100	96	92	104	98	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	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	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	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1826	1826	1826	1826	1826
5°	6656	4132	1677	674	484
10°	32912	9898	1312	122	0
15°	83978	18846	838	0	0
20°	122703	26795	348	0	0
25°	141551	26300	76	0	0
30°	158436	18057	0	0	0
35°	173263	7779	0	0	0
40°	155508	3013	0	0	0
45°	79425	1218	0	0	0
50°	12271	161	0	0	0
55°	721	0	60	0	0
60°	0	0	69	0	0
65°	0	0	163	0	0
70°	0	101	201	0	0
75°	0	133	399	0	0
80°	0	198	595	0	0
85°	0	395	1186	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 79425 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	1.1
10°-20°	26.5	13.3
20°-30°	65.5	32.9
30°-40°	75.4	37.9
40°-50°	28.0	14.0
50°-60°	1.0	0.5
60°-70°	0.1	0.1
70°-80°	0.2	0.1
80°-90°	0.2	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°	94.3	47.4
0°-40°	169.6	85.2
0°-60°	198.6	99.8
0°-90°	199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	199.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	38	24	10	4	3	8
15°	471	106	5	0	0	135
25°	745	138	0	0	0	344
35°	824	37	0	0	0	500
45°	326	5	0	0	0	254
55°	2	0	0	0	0	8
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
2.5°	18.9	19.0	19.0	18.5	18.3	18.1	17.6	15.9	13.3	10.6	8.6
5°	38.5	38.7	38.7	37.5	35.3	33.1	31.2	23.9	15.3	9.7	6.3
7.5°	90.8	90.9	87.0	82.5	73.6	68.9	60.3	36.8	17.4	8.8	4.1
10°	188.2	184.1	173.9	160.8	147.0	129.0	110.9	56.6	18.9	7.5	2.6
12.5°	314.7	310.8	297.5	278.8	251.7	216.6	182.3	79.6	19.0	6.0	1.5
15°	471.0	460.0	444.1	413.1	373.1	318.8	262.0	105.7	18.3	4.7	0.4
17.5°	592.2	582.1	561.9	525.7	476.0	415.7	346.0	130.5	16.2	3.0	0.0
20°	669.5	658.9	640.0	608.1	555.2	484.4	404.7	146.2	13.4	1.9	0.0
21°	691.5	681.3	662.8	631.0	578.4	507.8	419.1	149.6	12.1	1.5	0.0
22°	711.0	702.9	685.7	651.2	597.6	525.0	433.6	150.0	11.2	1.1	0.0
23°	724.6	718.8	701.6	669.9	616.5	539.0	441.5	147.7	10.1	0.7	0.0
24°	737.7	730.6	715.8	686.3	631.4	550.7	448.6	143.6	9.0	0.6	0.0
25°	744.9	736.7	725.3	697.7	643.7	558.2	452.9	138.4	7.8	0.4	0.0
26°	750.0	743.6	731.1	704.4	649.0	563.1	453.4	130.7	7.1	0.2	0.0
27°	757.6	751.3	739.2	710.4	651.2	562.3	450.1	121.9	6.2	0.0	0.0
28°	769.2	760.8	748.7	716.7	652.1	559.1	442.6	112.4	5.2	0.0	0.0
29°	782.5	773.9	760.6	725.2	652.3	552.8	430.8	102.0	4.7	0.0	0.0
30°	796.7	789.2	775.8	733.4	654.4	544.6	417.2	90.8	3.7	0.0	0.0
31°	807.9	801.2	786.8	740.8	656.1	537.5	400.4	79.6	3.2	0.0	0.0
32°	817.6	811.6	793.9	742.5	652.7	527.4	382.5	68.7	2.6	0.0	0.0
33°	824.3	816.8	796.1	738.2	643.0	510.8	362.5	58.5	2.1	0.0	0.0
34°	826.7	817.8	792.8	727.0	623.4	485.6	336.5	47.8	1.7	0.0	0.0
35°	824.1	813.1	780.6	707.8	596.9	455.5	305.3	37.0	1.3	0.0	0.0
36°	815.7	801.7	763.2	680.3	558.9	420.0	274.1	28.8	0.9	0.0	0.0
37°	797.6	782.1	733.6	644.1	521.4	379.3	238.7	22.4	0.6	0.0	0.0
38°	775.4	753.0	694.0	598.3	472.9	333.5	203.6	18.5	0.4	0.0	0.0
39°	737.5	712.8	646.9	545.7	425.2	290.0	169.4	16.1	0.2	0.0	0.0
40°	691.7	662.4	593.1	489.3	369.0	244.5	141.4	13.4	0.2	0.0	0.0
42.5°	521.8	496.9	422.4	332.8	225.6	144.2	78.4	8.8	0.0	0.0	0.0
45°	326.1	300.1	249.7	182.5	122.1	74.7	37.7	5.0	0.0	0.0	0.0
47.5°	133.2	122.1	100.5	77.3	55.3	35.1	15.7	2.2	0.0	0.0	0.0
50°	45.8	40.7	34.2	25.0	17.7	12.1	8.2	0.6	0.0	0.0	0.0
52.5°	13.3	13.4	11.8	10.1	7.8	5.6	4.1	0.0	0.0	0.0	0.0
55°	2.4	2.1	2.4	2.2	2.4	2.1	1.5	0.0	0.0	0.2	0.0
57.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
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):

	135°	157.5°	180°
0°	10.6	10.6	10.6
2.5°	6.9	6.2	5.8
5°	3.9	3.0	2.8
7.5°	2.1	1.3	1.1
10°	0.7	0.2	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)