

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: P1313228

Luminaire Tested: LDSQA3D02R509727DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313228
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R509727DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

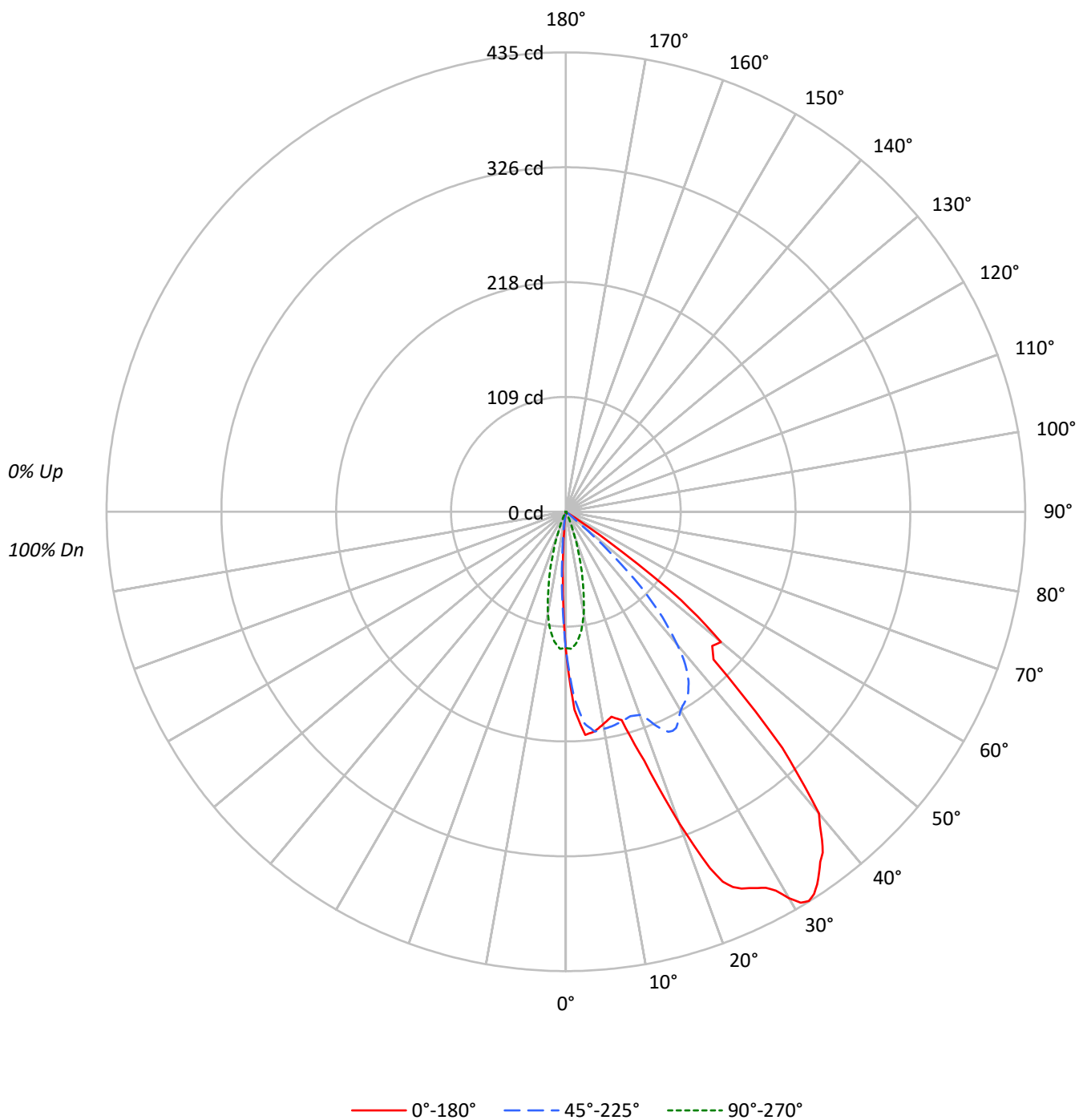
Lumens per Lamp: N/A
Luminaire Lumens: 208.0 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74		
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	66		
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59		
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54		
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48		
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44		
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40		
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°	22234	22234	22234	22234	22234
5°	36651	34784	21368	6345	3181
10°	35710	36497	17121	315	420
15°	36408	36622	10252	321	107
20°	57402	37498	4234	0	0
25°	74832	43687	1007	0	0
30°	83981	43213	40	0	0
35°	87882	42554	0	0	0
40°	83836	36961	0	0	0
45°	48152	24405	0	0	0
50°	51389	2786	0	0	0
55°	14653	0	0	0	0
60°	0	0	69	0	0
65°	0	82	82	0	0
70°	0	101	101	0	0
75°	0	133	133	0	0
80°	0	198	397	198	0
85°	0	395	790	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 53169 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	5.2
10°-20°	27.3	13.1
20°-30°	52.5	25.2
30°-40°	61.1	29.4
40°-50°	43.7	21.0
50°-60°	12.2	5.9
60°-70°	0.1	0.0
70°-80°	0.1	0.1
80°-90°	0.1	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°	90.7	43.6
0°-40°	151.7	73.0
0°-60°	207.6	99.8
0°-90°	208.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	208.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	129	129	129	129	129	
5°	212	201	124	37	18	19
15°	204	205	58	2	1	66
25°	394	230	5	0	0	179
35°	418	202	0	0	0	259
45°	198	100	0	0	0	186
55°	49	0	0	0	0	61
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1
2.5°	187.7	188.7	188.9	186.5	186.9	183.4	183.6	181.2	175.3	154.6	129.8
5°	212.0	211.4	212.0	211.2	212.0	209.9	208.7	207.7	201.2	172.0	123.6
7.5°	209.7	208.9	210.1	210.5	212.0	211.4	211.6	212.2	209.9	181.4	113.2
10°	204.2	204.0	204.6	204.6	206.3	206.5	207.3	208.5	208.7	184.6	97.9
12.5°	198.9	198.3	198.3	198.1	198.9	198.7	200.8	203.6	207.5	182.6	76.9
15°	204.2	203.6	202.8	200.5	198.9	197.1	197.3	199.1	205.4	177.3	57.5
17.5°	247.1	243.8	239.7	232.6	225.0	212.0	204.2	199.3	203.0	169.1	38.4
20°	313.2	311.7	305.2	293.6	281.3	262.2	238.3	219.1	204.6	158.9	23.1
21°	338.3	337.4	330.5	319.7	305.8	282.6	258.1	235.0	207.9	154.6	18.2
22°	364.0	360.9	355.4	343.4	328.9	305.6	278.3	252.8	214.4	149.1	13.9
23°	380.5	378.7	372.7	363.2	349.3	326.6	298.7	270.9	220.7	143.0	10.4
24°	389.1	388.5	383.8	377.0	365.2	342.1	315.6	287.1	226.1	135.9	7.5
25°	393.8	391.7	388.9	384.0	375.0	355.0	331.3	301.1	229.9	128.7	5.3
26°	396.6	395.4	390.9	386.6	378.0	361.7	341.5	309.7	230.9	120.0	3.7
27°	399.9	397.0	392.7	387.6	378.0	363.8	345.4	313.4	229.7	111.0	2.4
28°	403.3	401.3	395.4	388.9	377.4	363.8	344.0	308.5	226.1	102.4	1.4
29°	410.1	407.4	400.1	390.5	377.6	363.4	338.5	298.3	221.2	92.8	0.8
30°	422.3	416.8	407.8	394.4	379.1	362.5	329.3	283.0	217.3	82.0	0.2
31°	431.9	428.8	418.4	401.5	383.1	360.3	318.5	267.9	214.6	72.6	0.0
32°	434.6	432.3	424.8	408.9	390.1	358.5	306.2	253.2	212.6	62.2	0.0
33°	431.5	430.1	422.1	407.6	391.9	356.0	292.2	238.7	210.3	52.8	0.0
34°	425.8	423.9	417.0	402.3	387.2	345.4	278.7	227.7	207.1	44.1	0.0
35°	418.0	416.6	409.5	395.0	378.7	328.9	265.2	220.3	202.4	35.3	0.0
36°	409.7	409.3	400.1	385.8	367.6	313.0	248.9	214.8	197.7	28.0	0.0
37°	404.2	402.1	392.1	378.0	354.6	294.4	235.8	213.0	191.2	21.6	0.0
38°	394.2	394.6	383.1	370.3	341.3	278.3	225.2	211.6	183.8	15.7	0.0
39°	382.3	382.5	370.7	359.7	325.6	261.3	216.5	210.1	174.6	10.0	0.0
40°	372.9	372.7	359.3	347.4	308.7	245.4	211.8	208.1	164.4	5.7	0.0
42.5°	303.2	304.4	306.0	310.9	268.9	217.5	207.3	196.7	135.5	0.0	0.0
45°	197.7	202.4	203.6	218.3	218.1	206.1	196.7	176.3	100.2	0.0	0.0
47.5°	188.1	189.5	192.2	197.9	201.0	195.0	175.9	147.3	54.7	0.0	0.0
50°	191.8	191.6	192.2	192.2	186.7	171.4	144.2	108.7	10.4	0.0	0.0
52.5°	137.7	142.8	148.3	150.8	143.6	127.5	105.3	63.9	0.0	0.0	0.0
55°	48.8	47.1	45.9	50.2	49.2	55.3	45.7	14.9	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	0.8	1.8	2.4	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	0.2	0.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
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):

	112.5°	135°	157.5°	180°
0°	129.1	129.1	129.1	129.1
2.5°	103.4	79.4	64.3	65.3
5°	72.6	36.7	22.6	18.4
7.5°	43.5	11.2	2.2	1.8
10°	20.4	1.8	2.0	2.4
12.5°	6.1	1.6	2.2	2.0
15°	1.6	1.8	1.0	0.6
17.5°	0.6	0.8	0.0	0.0
20°	0.4	0.0	0.0	0.0
21°	0.4	0.0	0.0	0.0
22°	0.2	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.2	0.0	0.0	0.0
67.5°	0.2	0.0	0.0	0.0
70°	0.2	0.0	0.0	0.0
72.5°	0.2	0.0	0.0	0.0
75°	0.2	0.0	0.0	0.0
77.5°	0.2	0.0	0.0	0.0
80°	0.2	0.2	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.2	0.2	0.0	0.0
85°	0.2	0.2	0.0	0.0
87.5°	0.2	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)