

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: P1319697

Luminaire Tested: LDSQA3D02R409840DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R409840DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

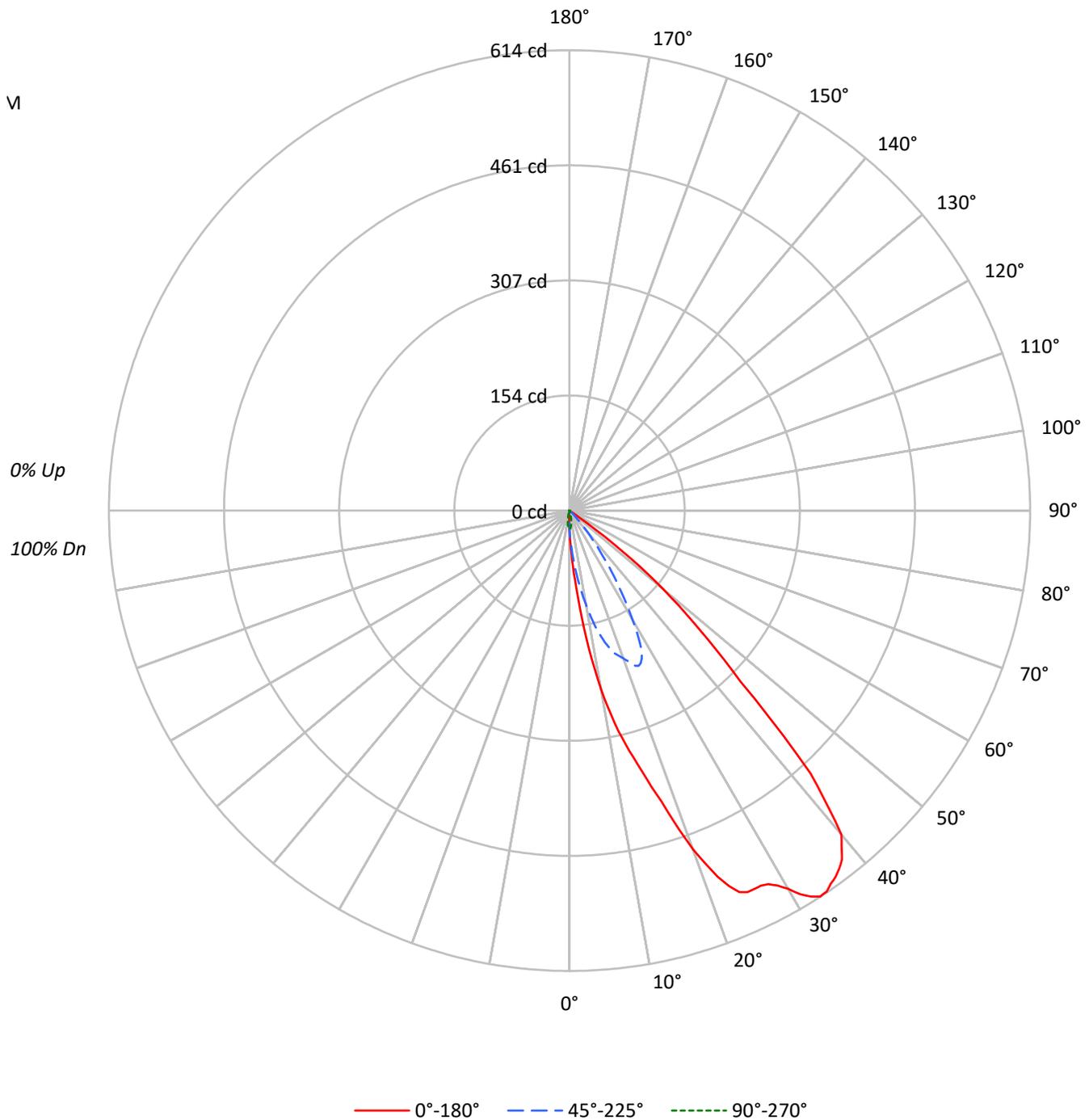
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 206.0 lumens
Efficiency: N/A
Efficacy: 57.2 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
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				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	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91	91	91	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82	82	82	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67	67	67	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60	60	60	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54	54	54	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49	49	49	49
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44	44	44	44
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40	40	40	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36	36	36	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4151	4151	4151	4151	4151
5°	17617	11998	3648	657	328
10°	42338	22332	2256	70	0
15°	62315	32432	945	0	0
20°	88064	38451	348	0	0
25°	106681	42680	0	0	0
30°	115819	33390	0	0	0
35°	127724	19553	0	0	0
40°	126754	7936	0	0	0
45°	78499	2314	0	0	0
50°	43726	54	0	0	0
55°	4264	0	0	0	0
60°	0	0	69	0	0
65°	0	0	82	0	0
70°	0	101	201	0	0
75°	0	133	266	0	0
80°	0	198	397	0	0
85°	0	395	790	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 78865 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	2.2
10°-20°	26.6	12.9
20°-30°	60.6	29.4
30°-40°	71.6	34.7
40°-50°	38.2	18.6
50°-60°	4.2	2.0
60°-70°	0.1	0.0
70°-80°	0.2	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°	91.7	44.5
0°-40°	163.2	79.2
0°-60°	205.6	99.8
0°-90°	206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	206.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	24	24	24	24	24	
5°	102	69	21	4	2	14
15°	350	182	5	0	0	104
25°	561	225	0	0	0	255
35°	608	93	0	0	0	375
45°	322	10	0	0	0	266
55°	14	0	0	0	0	40
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
2.5°	56.2	55.0	55.8	54.3	54.3	50.8	51.0	48.2	44.0	33.6	23.9
5°	101.9	106.4	102.8	98.1	95.4	92.0	87.5	82.7	69.4	41.9	21.1
7.5°	170.6	170.2	164.1	159.0	153.1	144.0	135.5	123.9	98.8	48.0	17.5
10°	242.1	240.7	233.9	229.6	218.4	205.3	187.8	169.2	127.7	50.1	12.9
12.5°	301.6	299.9	294.2	286.8	274.5	258.0	239.2	214.8	158.0	47.8	8.3
15°	349.5	349.1	343.6	333.5	320.6	304.5	283.2	253.8	181.9	41.9	5.3
17.5°	406.2	408.5	398.6	387.8	369.2	346.6	320.6	287.0	199.6	34.7	3.4
20°	480.5	477.3	468.2	452.5	434.6	407.5	370.7	322.7	209.8	26.9	1.9
21°	503.3	502.0	492.5	477.9	458.2	430.7	392.7	340.9	214.6	24.1	1.5
22°	526.5	524.2	516.8	502.6	484.0	452.8	411.1	359.7	220.6	21.1	0.9
23°	543.7	542.8	537.1	523.0	503.9	473.7	431.0	377.2	224.8	18.2	0.6
24°	557.0	555.9	550.2	539.5	523.0	491.5	451.1	395.9	226.5	15.7	0.2
25°	561.4	561.9	558.5	550.2	536.3	504.8	466.1	410.7	224.6	13.5	0.0
26°	561.6	563.3	560.8	556.1	544.7	515.5	480.2	419.5	219.7	11.4	0.0
27°	561.6	563.3	560.8	557.2	546.0	521.5	487.8	420.4	212.1	9.7	0.0
28°	564.2	565.2	561.9	557.6	545.4	523.4	489.8	414.7	200.0	8.3	0.0
29°	571.6	570.7	565.3	559.5	544.9	523.4	483.6	403.9	184.8	7.0	0.0
30°	582.4	582.4	574.1	564.8	547.5	523.2	473.5	384.4	167.9	5.7	0.0
31°	597.0	595.7	587.4	573.5	553.2	523.2	458.7	362.7	152.3	4.9	0.0
32°	606.9	606.1	598.2	581.9	562.5	523.2	442.8	338.8	135.5	4.0	0.0
33°	613.7	612.2	603.1	586.2	568.2	520.6	425.0	313.2	120.3	3.2	0.0
34°	612.8	612.4	602.9	585.5	567.1	509.6	404.3	284.8	106.2	2.7	0.0
35°	607.5	607.5	595.9	577.9	558.9	493.4	383.8	260.5	93.0	1.9	0.0
36°	603.5	602.0	588.9	568.8	545.2	468.0	353.4	236.0	78.7	1.5	0.0
37°	597.6	594.8	580.1	558.5	525.9	440.5	321.6	214.2	66.6	0.9	0.0
38°	590.0	585.6	567.8	546.6	504.6	408.8	289.1	189.7	55.4	0.6	0.0
39°	576.2	572.6	554.2	531.2	479.2	375.4	257.6	166.8	44.8	0.2	0.0
40°	563.8	557.6	536.7	510.3	449.4	337.7	226.3	144.2	35.3	0.0	0.0
42.5°	475.4	468.8	464.0	437.9	358.0	242.5	158.0	92.4	18.4	0.0	0.0
45°	322.3	323.8	309.0	291.4	236.2	158.0	98.8	51.4	9.5	0.0	0.0
47.5°	235.1	231.1	211.0	177.6	138.5	92.4	51.6	24.9	3.8	0.0	0.0
50°	163.2	155.6	137.4	112.3	75.3	44.0	22.8	11.6	0.2	0.0	0.0
52.5°	88.6	83.3	70.6	51.2	31.3	16.9	9.1	4.7	0.0	0.0	0.0
55°	14.2	9.9	10.2	8.7	6.8	4.9	2.8	0.6	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
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	0.0	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	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	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	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°	24.1	24.1	24.1	24.1
2.5°	16.1	11.0	8.3	7.2
5°	9.3	3.8	2.1	1.9
7.5°	4.6	1.3	0.8	0.8
10°	1.9	0.4	0.0	0.0
12.5°	0.6	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	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	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)