

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: IRiS

Report Number: P1310542

Luminaire Tested: P3SQAS20R309040D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310542
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: IRiS
Catalog Number: P3SQAS20R309040D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

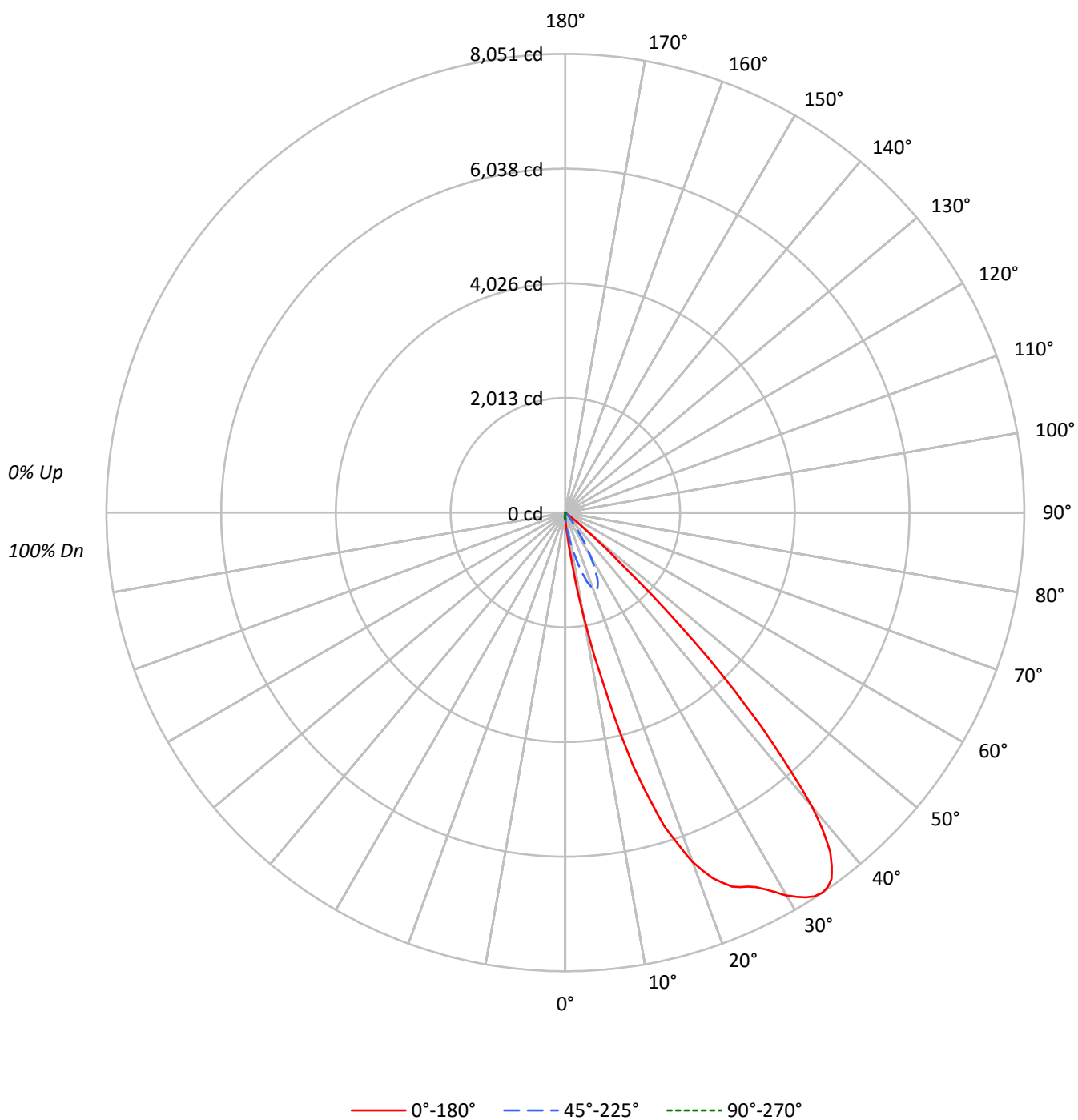
Lumens per Lamp: N/A
Luminaire Lumens: 1938.0 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	70	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°	17859	17859	17859	17859	17859
5°	64778	40247	16354	6604	4720
10°	320607	96376	12714	1277	0
15°	817817	183540	8113	0	0
20°	1194975	260984	3336	0	0
25°	1378605	256099	684	0	0
30°	1542918	175777	0	0	0
35°	1687427	75709	0	0	0
40°	1514505	29429	0	0	0
45°	773423	11959	0	0	0
50°	119390	1474	0	0	0
55°	7086	0	540	0	0
60°	0	0	620	0	0
65°	0	0	1467	0	0
70°	0	906	1813	0	0
75°	0	1198	3660	0	0
80°	0	1785	5455	0	0
85°	0	3557	10868	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 773423 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	1.1
10°-20°	258.2	13.3
20°-30°	638.1	32.9
30°-40°	733.8	37.9
40°-50°	272.2	14.0
50°-60°	9.9	0.5
60°-70°	0.9	0.0
70°-80°	1.6	0.1
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°	918.0	47.4
0°-40°	1651.8	85.2
0°-60°	1933.9	99.8
0°-90°	1938.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1938.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	104	104	104	104	104	
5°	375	233	95	38	27	81
15°	4587	1029	46	0	0	1319
25°	7255	1348	4	0	0	3352
35°	8026	360	0	0	0	4866
45°	3176	49	0	0	0	2473
55°	24	0	2	0	0	81
65°	0	0	4	0	0	0
75°	0	2	6	0	0	0
85°	0	2	6	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°	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7
2.5°	183.7	185.5	185.5	180.1	178.2	176.4	171.0	154.6	129.1	103.7	83.7
5°	374.7	376.5	376.5	365.6	343.7	321.9	303.7	232.8	149.1	94.6	61.8
7.5°	883.9	885.7	847.5	803.9	716.6	671.1	587.4	358.3	169.1	85.5	40.0
10°	1833.3	1793.2	1693.2	1565.9	1431.3	1256.7	1080.3	551.1	183.7	72.7	25.5
12.5°	3064.5	3026.3	2897.2	2715.3	2451.6	2109.7	1775.1	774.8	185.5	58.2	14.5
15°	4586.8	4479.5	4324.9	4023.0	3633.8	3104.5	2551.6	1029.4	178.2	45.5	3.6
17.5°	5767.1	5668.9	5472.5	5119.7	4635.9	4048.4	3370.1	1271.3	158.2	29.1	0.0
20°	6520.1	6416.4	6232.7	5921.7	5407.0	4717.7	3941.1	1424.0	130.9	18.2	0.0
21°	6734.7	6634.6	6454.6	6145.4	5632.5	4945.1	4081.2	1456.8	118.2	14.5	0.0
22°	6923.8	6845.6	6678.3	6341.8	5819.9	5112.4	4223.0	1460.4	109.1	10.9	0.0
23°	7056.6	7000.2	6832.9	6523.7	6003.6	5248.8	4299.4	1438.6	98.2	7.3	0.0
24°	7183.9	7114.8	6971.1	6683.7	6149.0	5363.4	4368.5	1398.6	87.3	5.5	0.0
25°	7254.8	7174.8	7063.9	6794.7	6269.1	5436.1	4410.4	1347.7	76.4	3.6	0.0
26°	7303.9	7242.1	7120.2	6860.2	6320.0	5483.4	4415.8	1273.1	69.1	1.8	0.0
27°	7378.5	7316.7	7198.4	6918.4	6341.8	5476.1	4383.1	1187.6	60.0	0.0	0.0
28°	7491.3	7409.4	7291.2	6980.2	6350.9	5445.2	4310.3	1094.9	50.9	0.0	0.0
29°	7620.4	7536.7	7407.6	7062.0	6352.7	5383.4	4195.8	993.0	45.5	0.0	0.0
30°	7758.6	7685.9	7554.9	7142.1	6372.8	5303.4	4063.0	883.9	36.4	0.0	0.0
31°	7867.7	7802.3	7662.2	7214.8	6389.1	5234.2	3899.3	774.8	30.9	0.0	0.0
32°	7962.3	7904.1	7731.3	7231.2	6356.4	5136.0	3724.7	669.3	25.5	0.0	0.0
33°	8027.8	7955.0	7753.1	7189.3	6261.8	4974.2	3530.1	569.3	20.0	0.0	0.0
34°	8051.4	7964.1	7720.4	7080.2	6070.8	4728.6	3277.3	465.6	16.4	0.0	0.0
35°	8026.0	7918.7	7602.2	6892.9	5812.6	4435.8	2973.6	360.1	12.7	0.0	0.0
36°	7944.1	7807.7	7433.1	6625.6	5443.4	4090.3	2669.9	280.1	9.1	0.0	0.0
37°	7767.7	7616.7	7143.9	6272.7	5077.8	3693.8	2324.3	218.2	5.5	0.0	0.0
38°	7551.3	7333.0	6758.3	5827.1	4605.0	3248.2	1982.4	180.1	3.6	0.0	0.0
39°	7182.1	6942.0	6300.0	5314.3	4141.2	2824.5	1649.6	156.4	1.8	0.0	0.0
40°	6736.5	6451.0	5776.2	4765.0	3593.8	2380.7	1376.8	130.9	1.8	0.0	0.0
42.5°	5081.5	4839.6	4113.9	3240.9	2197.0	1404.0	763.9	85.5	0.0	0.0	0.0
45°	3175.5	2922.7	2431.6	1776.9	1189.4	727.5	367.4	49.1	0.0	0.0	0.0
47.5°	1296.7	1189.4	978.5	752.9	538.3	341.9	152.8	21.8	0.0	0.0	0.0
50°	445.6	396.5	332.8	243.7	172.8	118.2	80.0	5.5	0.0	0.0	0.0
52.5°	129.1	130.9	114.6	98.2	76.4	54.6	40.0	0.0	0.0	0.0	0.0
55°	23.6	20.0	23.6	21.8	23.6	20.0	14.5	0.0	0.0	1.8	0.0
57.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	1.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	3.6	1.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	3.6	1.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.5	1.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.5	1.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.5	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.5	1.8



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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	1.8	3.6	5.5	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.5	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.5	1.8
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°	103.7	103.7	103.7
2.5°	67.3	60.0	56.4
5°	38.2	29.1	27.3
7.5°	20.0	12.7	10.9
10°	7.3	1.8	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)