

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: P1313551

Luminaire Tested: P3SQAS17R309730DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313551
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: P3SQAS17R309730DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

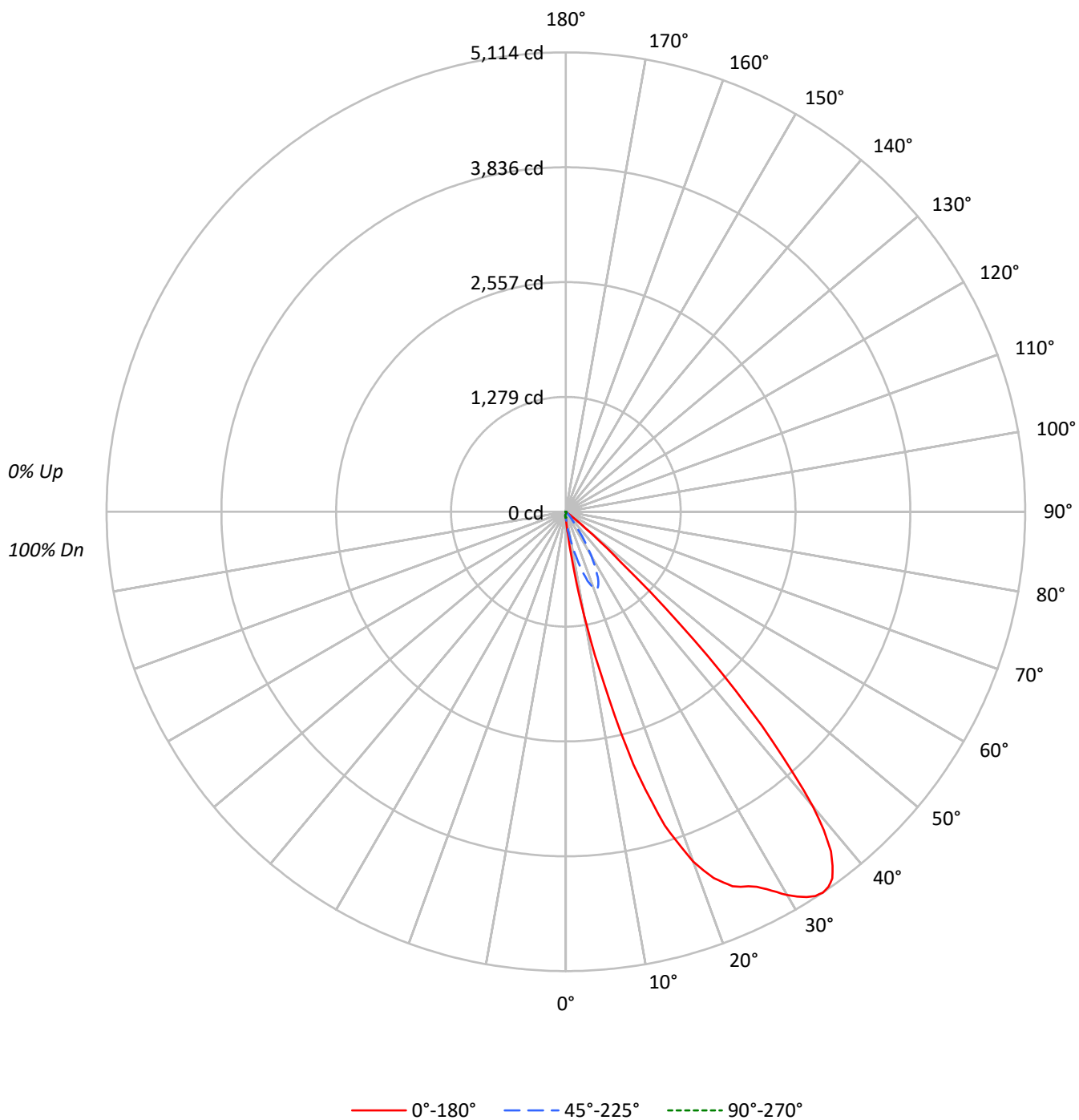
Lumens per Lamp: N/A
Luminaire Lumens: 1231.0 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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°	11332	11332	11332	11332	11332
5°	41146	25569	10390	4201	2991
10°	203647	61208	8079	804	0
15°	519471	116589	5153	0	0
20°	759036	165773	2126	0	0
25°	875681	162663	437	0	0
30°	980049	111643	0	0	0
35°	1071829	48083	0	0	0
40°	962008	18705	0	0	0
45°	491260	7599	0	0	0
50°	75824	938	0	0	0
55°	4504	0	360	0	0
60°	0	0	413	0	0
65°	0	0	937	0	0
70°	0	604	1158	0	0
75°	0	799	2329	0	0
80°	0	1190	3471	0	0
85°	0	2371	6916	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 491260 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	1.1
10°-20°	164.0	13.3
20°-30°	405.3	32.9
30°-40°	466.1	37.9
40°-50°	172.9	14.0
50°-60°	6.3	0.5
60°-70°	0.6	0.0
70°-80°	1.0	0.1
80°-90°	1.0	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°	583.1	47.4
0°-40°	1049.2	85.2
0°-60°	1228.4	99.8
0°-90°	1231.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1231.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	66	66	66	66	66	
5°	238	148	60	24	17	52
15°	2914	654	29	0	0	838
25°	4608	856	2	0	0	2129
35°	5098	229	0	0	0	3091
45°	2017	31	0	0	0	1571
55°	15	0	1	0	0	51
65°	0	0	2	0	0	0
75°	0	1	4	0	0	0
85°	0	1	4	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°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
2.5°	116.7	117.8	117.8	114.4	113.2	112.1	108.6	98.2	82.0	65.8	53.1
5°	238.0	239.1	239.1	232.2	218.3	204.5	192.9	147.9	94.7	60.1	39.3
7.5°	561.4	562.6	538.3	510.6	455.2	426.3	373.1	227.6	107.4	54.3	25.4
10°	1164.5	1139.1	1075.5	994.6	909.2	798.3	686.2	350.0	116.7	46.2	16.2
12.5°	1946.6	1922.3	1840.3	1724.8	1557.2	1340.1	1127.5	492.1	117.8	37.0	9.2
15°	2913.5	2845.3	2747.1	2555.4	2308.1	1972.0	1620.8	653.9	113.2	28.9	2.3
17.5°	3663.2	3600.8	3476.1	3252.0	2944.7	2571.5	2140.6	807.5	100.5	18.5	0.0
20°	4141.5	4075.6	3959.0	3761.4	3434.5	2996.7	2503.4	904.5	83.2	11.6	0.0
21°	4277.8	4214.3	4099.9	3903.5	3577.7	3141.1	2592.3	925.3	75.1	9.2	0.0
22°	4397.9	4348.3	4242.0	4028.3	3696.7	3247.3	2682.4	927.6	69.3	6.9	0.0
23°	4482.3	4446.5	4340.2	4143.8	3813.4	3334.0	2731.0	913.8	62.4	4.6	0.0
24°	4563.1	4519.2	4428.0	4245.5	3905.8	3406.8	2774.9	888.4	55.5	3.5	0.0
25°	4608.2	4557.4	4486.9	4315.9	3982.1	3453.0	2801.4	856.0	48.5	2.3	0.0
26°	4639.4	4600.1	4522.7	4357.5	4014.4	3483.0	2804.9	808.7	43.9	1.2	0.0
27°	4686.8	4647.5	4572.4	4394.5	4028.3	3478.4	2784.1	754.4	38.1	0.0	0.0
28°	4758.4	4706.4	4631.3	4433.8	4034.1	3458.7	2737.9	695.4	32.3	0.0	0.0
29°	4840.4	4787.3	4705.2	4485.7	4035.2	3419.5	2665.1	630.8	28.9	0.0	0.0
30°	4928.2	4882.0	4798.8	4536.6	4047.9	3368.6	2580.8	561.4	23.1	0.0	0.0
31°	4997.5	4955.9	4867.0	4582.8	4058.3	3324.7	2476.8	492.1	19.6	0.0	0.0
32°	5057.6	5020.6	4910.9	4593.2	4037.5	3262.4	2365.9	425.1	16.2	0.0	0.0
33°	5099.2	5053.0	4924.7	4566.6	3977.4	3159.5	2242.3	361.6	12.7	0.0	0.0
34°	5114.2	5058.7	4903.9	4497.3	3856.1	3003.6	2081.7	295.7	10.4	0.0	0.0
35°	5098.0	5029.9	4828.8	4378.3	3692.1	2817.6	1888.8	228.7	8.1	0.0	0.0
36°	5046.0	4959.4	4721.4	4208.5	3457.6	2598.1	1695.9	177.9	5.8	0.0	0.0
37°	4934.0	4838.1	4537.7	3984.4	3225.4	2346.3	1476.4	138.6	3.5	0.0	0.0
38°	4796.5	4657.9	4292.8	3701.3	2925.0	2063.2	1259.2	114.4	2.3	0.0	0.0
39°	4562.0	4409.5	4001.7	3375.6	2630.5	1794.1	1047.8	99.3	1.2	0.0	0.0
40°	4279.0	4097.6	3669.0	3026.7	2282.7	1512.2	874.5	83.2	1.2	0.0	0.0
42.5°	3227.7	3074.1	2613.1	2058.6	1395.5	891.8	485.2	54.3	0.0	0.0	0.0
45°	2017.0	1856.4	1544.5	1128.7	755.5	462.1	233.4	31.2	0.0	0.0	0.0
47.5°	823.7	755.5	621.5	478.3	341.9	217.2	97.0	13.9	0.0	0.0	0.0
50°	283.0	251.8	211.4	154.8	109.7	75.1	50.8	3.5	0.0	0.0	0.0
52.5°	82.0	83.2	72.8	62.4	48.5	34.7	25.4	0.0	0.0	0.0	0.0
55°	15.0	12.7	15.0	13.9	15.0	12.7	9.2	0.0	0.0	1.2	0.0
57.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	3.5	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	3.5	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	3.5	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	3.5	1.2



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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	1.2	2.3	3.5	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	3.5	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	3.5	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):

	135°	157.5°	180°
0°	65.8	65.8	65.8
2.5°	42.7	38.1	35.8
5°	24.3	18.5	17.3
7.5°	12.7	8.1	6.9
10°	4.6	1.2	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)