

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: P1306070

Luminaire Tested: P3SQASS17R309024DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306070
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: P3SQASS17R309024DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

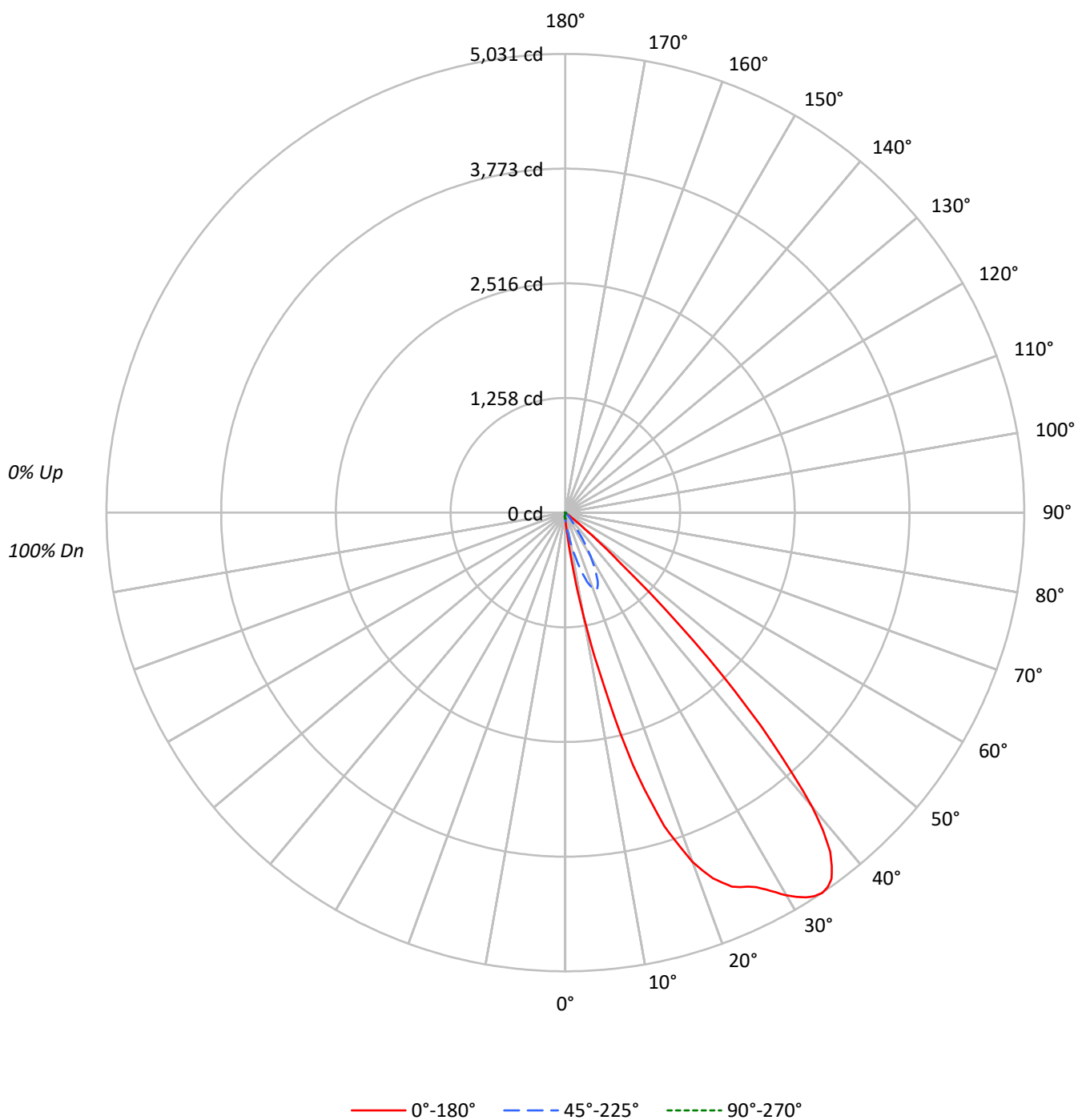
Lumens per Lamp: N/A
Luminaire Lumens: 1211.0 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	11160	11160	11160	11160	11160
5°	40471	25154	10217	4132	2939
10°	200324	60211	7957	787	0
15°	511020	114681	5064	0	0
20°	746701	163079	2089	0	0
25°	861448	160021	437	0	0
30°	964120	109833	0	0	0
35°	1054421	47305	0	0	0
40°	946360	18390	0	0	0
45°	483295	7477	0	0	0
50°	74592	911	0	0	0
55°	4444	0	330	0	0
60°	0	0	379	0	0
65°	0	0	937	0	0
70°	0	554	1158	0	0
75°	0	732	2262	0	0
80°	0	1091	3372	0	0
85°	0	2174	6719	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 483295 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.5	1.1
10°-20°	161.3	13.3
20°-30°	398.7	32.9
30°-40°	458.6	37.9
40°-50°	170.1	14.0
50°-60°	6.2	0.5
60°-70°	0.6	0.0
70°-80°	1.0	0.1
80°-90°	0.9	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°	573.6	47.4
0°-40°	1032.2	85.2
0°-60°	1208.5	99.8
0°-90°	1211.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1211.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	65	65	65	65	65	
5°	234	146	59	24	17	51
15°	2866	643	28	0	0	824
25°	4533	842	2	0	0	2095
35°	5015	225	0	0	0	3041
45°	1984	31	0	0	0	1545
55°	15	0	1	0	0	51
65°	0	0	2	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	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°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
2.5°	114.8	115.9	115.9	112.5	111.4	110.2	106.8	96.6	80.7	64.8	52.3
5°	234.1	235.2	235.2	228.4	214.8	201.2	189.8	145.5	93.2	59.1	38.6
7.5°	552.3	553.5	529.6	502.3	447.8	419.4	367.1	223.9	105.7	53.4	25.0
10°	1145.5	1120.5	1058.0	978.5	894.4	785.3	675.1	344.3	114.8	45.5	15.9
12.5°	1914.9	1891.1	1810.4	1696.7	1531.9	1318.3	1109.2	484.1	115.9	36.4	9.1
15°	2866.1	2799.1	2702.5	2513.8	2270.6	1939.9	1594.4	643.2	111.4	28.4	2.3
17.5°	3603.7	3542.3	3419.6	3199.1	2896.8	2529.8	2105.9	794.4	98.9	18.2	0.0
20°	4074.2	4009.4	3894.6	3700.3	3378.7	2948.0	2462.7	889.8	81.8	11.4	0.0
21°	4208.3	4145.8	4033.3	3840.1	3519.6	3090.0	2550.2	910.3	73.9	9.1	0.0
22°	4326.5	4277.6	4173.1	3962.8	3636.7	3194.6	2638.9	912.6	68.2	6.8	0.0
23°	4409.5	4374.2	4269.7	4076.5	3751.4	3279.8	2686.6	898.9	61.4	4.5	0.0
24°	4489.0	4445.8	4356.0	4176.5	3842.4	3351.4	2729.8	873.9	54.5	3.4	0.0
25°	4533.3	4483.3	4414.0	4245.8	3917.4	3396.9	2755.9	842.1	47.7	2.3	0.0
26°	4564.0	4525.4	4449.2	4286.7	3949.2	3426.4	2759.3	795.5	43.2	1.1	0.0
27°	4610.6	4572.0	4498.1	4323.1	3962.8	3421.9	2738.9	742.1	37.5	0.0	0.0
28°	4681.1	4629.9	4556.1	4361.7	3968.5	3402.6	2693.4	684.1	31.8	0.0	0.0
29°	4761.8	4709.5	4628.8	4412.9	3969.6	3363.9	2621.8	620.5	28.4	0.0	0.0
30°	4848.1	4802.7	4720.8	4462.9	3982.1	3313.9	2538.8	552.3	22.7	0.0	0.0
31°	4916.3	4875.4	4787.9	4508.3	3992.4	3270.7	2436.6	484.1	19.3	0.0	0.0
32°	4975.4	4939.0	4831.1	4518.6	3971.9	3209.4	2327.5	418.2	15.9	0.0	0.0
33°	5016.3	4970.9	4844.7	4492.4	3912.8	3108.2	2205.9	355.7	12.5	0.0	0.0
34°	5031.1	4976.5	4824.3	4424.2	3793.5	2954.8	2047.9	290.9	10.2	0.0	0.0
35°	5015.2	4948.1	4750.4	4307.2	3632.1	2771.8	1858.1	225.0	8.0	0.0	0.0
36°	4964.0	4878.8	4644.7	4140.1	3401.4	2555.9	1668.3	175.0	5.7	0.0	0.0
37°	4853.8	4759.5	4464.0	3919.6	3173.0	2308.1	1452.4	136.4	3.4	0.0	0.0
38°	4718.6	4582.2	4223.1	3641.2	2877.5	2029.7	1238.7	112.5	2.3	0.0	0.0
39°	4487.9	4337.9	3936.7	3320.7	2587.7	1764.9	1030.8	97.7	1.1	0.0	0.0
40°	4209.4	4031.0	3609.4	2977.5	2245.6	1487.6	860.3	81.8	1.1	0.0	0.0
42.5°	3175.3	3024.1	2570.7	2025.2	1372.8	877.3	477.3	53.4	0.0	0.0	0.0
45°	1984.3	1826.3	1519.4	1110.3	743.2	454.6	229.6	30.7	0.0	0.0	0.0
47.5°	810.3	743.2	611.4	470.5	336.4	213.7	95.5	13.6	0.0	0.0	0.0
50°	278.4	247.7	208.0	152.3	108.0	73.9	50.0	3.4	0.0	0.0	0.0
52.5°	80.7	81.8	71.6	61.4	47.7	34.1	25.0	0.0	0.0	0.0	0.0
55°	14.8	12.5	14.8	13.6	14.8	12.5	9.1	0.0	0.0	1.1	0.0
57.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	2.3	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	2.3	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	3.4	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	3.4	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	3.4	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	3.4	1.1



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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	1.1	2.3	3.4	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	3.4	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	3.4	1.1
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°	64.8	64.8	64.8
2.5°	42.0	37.5	35.2
5°	23.9	18.2	17.0
7.5°	12.5	8.0	6.8
10°	4.5	1.1	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)