

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: P1316529

Luminaire Tested: P3SQAS20R309827D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316529
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: P3SQAS20R309827D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

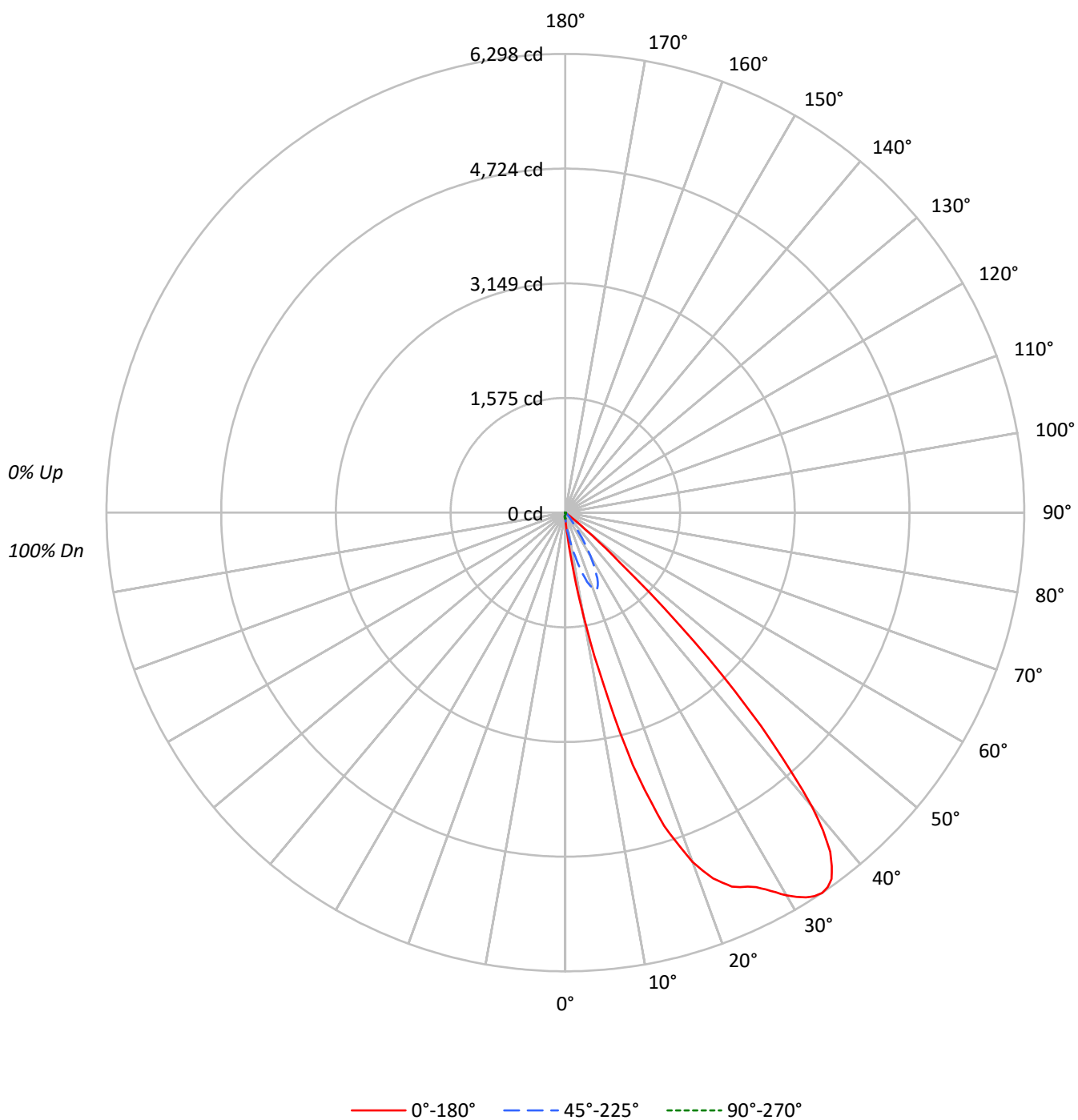
Lumens per Lamp: N/A
Luminaire Lumens: 1516.0 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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°	13967	13967	13967	13967	13967
5°	50671	31482	12793	5169	3682
10°	250795	75391	9951	997	0
15°	639733	143566	6347	0	0
20°	934760	204169	2603	0	0
25°	1078420	200326	532	0	0
30°	1206955	137496	0	0	0
35°	1319981	59226	0	0	0
40°	1184715	23022	0	0	0
45°	605002	9353	0	0	0
50°	93401	1152	0	0	0
55°	5555	0	420	0	0
60°	0	0	482	0	0
65°	0	0	1141	0	0
70°	0	705	1410	0	0
75°	0	932	2861	0	0
80°	0	1389	4265	0	0
85°	0	2766	8497	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 605002 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.9	1.1
10°-20°	202.0	13.3
20°-30°	499.2	32.9
30°-40°	574.0	37.9
40°-50°	212.9	14.0
50°-60°	7.7	0.5
60°-70°	0.7	0.0
70°-80°	1.3	0.1
80°-90°	1.2	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°	718.1	47.4
0°-40°	1292.1	85.2
0°-60°	1512.8	99.8
0°-90°	1516.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1516.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	81	81	81	81	81	
5°	293	182	74	30	21	64
15°	3588	805	36	0	0	1032
25°	5675	1054	3	0	0	2622
35°	6278	282	0	0	0	3806
45°	2484	38	0	0	0	1935
55°	18	0	1	0	0	63
65°	0	0	3	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°	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
2.5°	143.7	145.1	145.1	140.8	139.4	138.0	133.7	120.9	101.0	81.1	65.4
5°	293.1	294.5	294.5	286.0	268.9	251.8	237.6	182.1	116.7	74.0	48.4
7.5°	691.4	692.8	663.0	628.8	560.5	525.0	459.5	280.3	132.3	66.9	31.3
10°	1434.1	1402.8	1324.5	1224.9	1119.7	983.1	845.1	431.1	143.7	56.9	19.9
12.5°	2397.2	2367.3	2266.3	2124.1	1917.8	1650.3	1388.5	606.1	145.1	45.5	11.4
15°	3588.0	3504.1	3383.1	3147.0	2842.5	2428.5	1996.0	805.2	139.4	35.6	2.8
17.5°	4511.3	4434.5	4280.9	4004.9	3626.4	3166.9	2636.2	994.5	123.8	22.8	0.0
20°	5100.3	5019.2	4875.5	4632.3	4229.6	3690.4	3083.0	1114.0	102.4	14.2	0.0
21°	5268.2	5189.9	5049.1	4807.2	4406.1	3868.3	3192.5	1139.6	92.5	11.4	0.0
22°	5416.2	5355.0	5224.1	4960.9	4552.6	3999.2	3303.5	1142.4	85.4	8.5	0.0
23°	5520.0	5475.9	5345.0	5103.2	4696.3	4105.9	3363.2	1125.3	76.8	5.7	0.0
24°	5619.6	5565.5	5453.1	5228.4	4810.1	4195.5	3417.3	1094.0	68.3	4.3	0.0
25°	5675.1	5612.5	5525.7	5315.1	4904.0	4252.4	3450.0	1054.2	59.8	2.8	0.0
26°	5713.5	5665.1	5569.8	5366.4	4943.8	4289.4	3454.3	995.9	54.1	1.4	0.0
27°	5771.8	5723.5	5631.0	5411.9	4960.9	4283.7	3428.7	929.0	46.9	0.0	0.0
28°	5860.0	5796.0	5703.5	5460.3	4968.0	4259.5	3371.8	856.5	39.8	0.0	0.0
29°	5961.0	5895.6	5794.6	5524.3	4969.4	4211.1	3282.1	776.8	35.6	0.0	0.0
30°	6069.2	6012.3	5909.8	5586.9	4985.1	4148.5	3178.3	691.4	28.5	0.0	0.0
31°	6154.5	6103.3	5993.8	5643.8	4997.9	4094.5	3050.2	606.1	24.2	0.0	0.0
32°	6228.5	6183.0	6047.8	5656.6	4972.3	4017.7	2913.7	523.5	19.9	0.0	0.0
33°	6279.7	6222.8	6064.9	5623.9	4898.3	3891.0	2761.4	445.3	15.6	0.0	0.0
34°	6298.2	6229.9	6039.3	5538.5	4748.9	3699.0	2563.7	364.2	12.8	0.0	0.0
35°	6278.3	6194.4	5946.8	5392.0	4546.9	3469.9	2326.1	281.7	10.0	0.0	0.0
36°	6214.3	6107.6	5814.5	5182.8	4258.1	3199.6	2088.5	219.1	7.1	0.0	0.0
37°	6076.3	5958.2	5588.3	4906.8	3972.1	2889.5	1818.2	170.7	4.3	0.0	0.0
38°	5907.0	5736.3	5286.7	4558.3	3602.2	2540.9	1550.7	140.8	2.8	0.0	0.0
39°	5618.2	5430.4	4928.2	4157.1	3239.4	2209.4	1290.4	122.4	1.4	0.0	0.0
40°	5269.6	5046.3	4518.4	3727.4	2811.2	1862.3	1077.0	102.4	1.4	0.0	0.0
42.5°	3975.0	3785.8	3218.1	2535.2	1718.6	1098.3	597.5	66.9	0.0	0.0	0.0
45°	2484.0	2286.3	1902.1	1390.0	930.4	569.1	287.4	38.4	0.0	0.0	0.0
47.5°	1014.4	930.4	765.4	589.0	421.1	267.5	119.5	17.1	0.0	0.0	0.0
50°	348.6	310.1	260.4	190.6	135.2	92.5	62.6	4.3	0.0	0.0	0.0
52.5°	101.0	102.4	89.6	76.8	59.8	42.7	31.3	0.0	0.0	0.0	0.0
55°	18.5	15.6	18.5	17.1	18.5	15.6	11.4	0.0	0.0	1.4	0.0
57.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8	1.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8	1.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.3	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.3	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.3	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.3	1.4



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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	1.4	2.8	4.3	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.3	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.3	1.4
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):

	135°	157.5°	180°
0°	81.1	81.1	81.1
2.5°	52.6	46.9	44.1
5°	29.9	22.8	21.3
7.5°	15.6	10.0	8.5
10°	5.7	1.4	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)