

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: P1306868

Luminaire Tested: P3SQAS13R259027DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259027DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

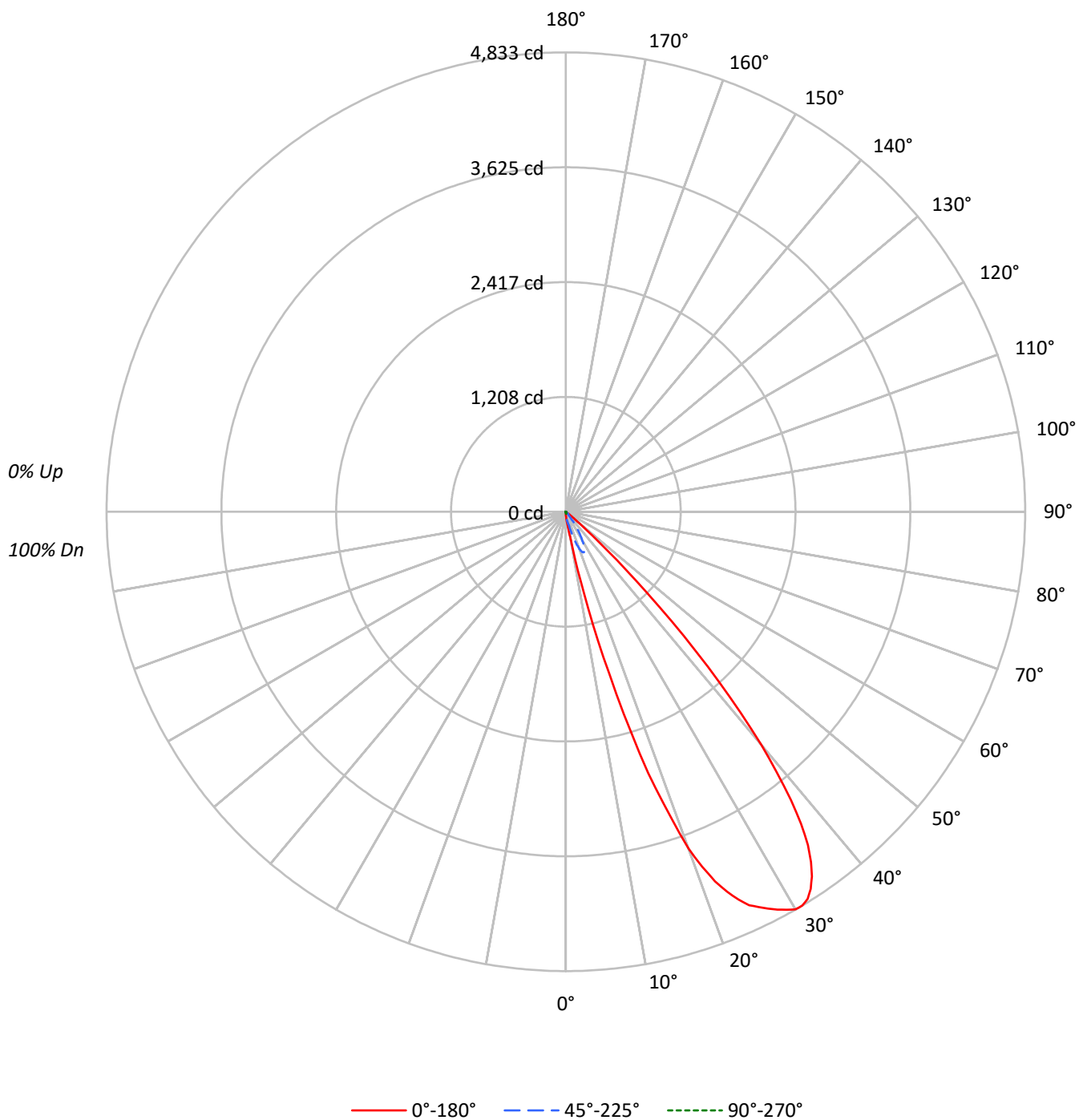
Lumens per Lamp: N/A
Luminaire Lumens: 947.0 lumens
Efficiency: N/A
Efficacy: 64.9 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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
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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5149	5149	5149	5149	5149
5°	16147	11289	4702	2507	1884
10°	50925	20461	3498	315	0
15°	314874	38976	2104	0	0
20°	690381	75968	660	0	0
25°	867833	87393	0	0	0
30°	960700	67634	0	0	0
35°	945682	38328	0	0	0
40°	718819	9982	0	0	0
45°	291175	4408	0	0	0
50°	32312	482	0	0	0
55°	2462	0	270	0	0
60°	0	0	310	0	0
65°	0	0	734	0	0
70°	0	453	906	0	0
75°	0	599	1797	0	0
80°	0	893	2678	0	0
85°	0	1778	5335	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 291175 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.5
10°-20°	97.8	10.3
20°-30°	341.9	36.1
30°-40°	381.4	40.3
40°-50°	115.2	12.2
50°-60°	3.8	0.4
60°-70°	0.5	0.1
70°-80°	0.8	0.1
80°-90°	0.8	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°	444.4	46.9
0°-40°	825.9	87.2
0°-60°	944.9	99.8
0°-90°	947.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	947.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	30	30	30	30	30	
5°	93	65	27	14	11	14
15°	1766	219	12	0	0	587
25°	4567	460	0	0	0	2083
35°	4498	182	0	0	0	2700
45°	1196	18	0	0	0	1032
55°	8	0	1	0	0	25
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°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
2.5°	51.7	53.5	52.6	53.5	52.6	52.6	52.6	53.5	52.6	52.6	52.6
5°	93.4	94.3	94.3	93.4	93.4	95.2	93.4	94.3	91.6	93.4	92.5
7.5°	153.3	151.5	151.5	152.4	152.4	150.6	149.7	147.8	149.7	149.7	146.9
10°	291.2	289.3	284.8	283.0	284.8	284.8	275.7	277.6	278.5	270.3	267.6
12.5°	855.3	849.0	861.7	841.7	829.9	810.9	821.8	784.6	776.4	771.0	758.3
15°	1766.0	1814.1	1793.2	1795.0	1798.7	1753.3	1768.7	1712.5	1665.3	1650.8	1640.8
17.5°	2879.8	2894.4	2875.3	2866.2	2862.6	2840.8	2814.5	2786.4	2750.1	2718.4	2692.1
20°	3766.9	3756.0	3723.4	3727.0	3688.0	3668.1	3645.4	3617.3	3589.2	3542.9	3498.4
21°	4000.9	3969.2	3970.1	3948.3	3947.4	3922.0	3882.1	3853.1	3827.7	3775.1	3747.0
22°	4193.2	4186.0	4169.7	4153.3	4136.1	4123.4	4079.0	4064.4	4012.7	3969.2	3929.3
23°	4342.9	4345.6	4331.1	4320.2	4296.6	4291.2	4234.1	4214.1	4178.7	4112.5	4071.7
24°	4467.2	4462.6	4446.3	4427.3	4413.6	4400.9	4357.4	4324.8	4285.8	4231.3	4191.4
25°	4566.9	4556.1	4545.2	4530.7	4508.9	4494.4	4449.9	4413.6	4380.1	4319.3	4264.9
26°	4625.9	4628.6	4611.4	4600.5	4581.5	4566.9	4520.7	4478.0	4436.3	4371.0	4322.0
27°	4685.8	4683.0	4667.6	4651.3	4631.3	4625.9	4572.4	4527.9	4485.3	4416.4	4358.3
28°	4741.1	4733.8	4721.1	4702.1	4680.3	4664.0	4612.3	4566.0	4519.8	4446.3	4382.8
29°	4787.3	4780.1	4771.9	4747.4	4719.3	4708.4	4653.1	4596.9	4550.6	4475.3	4408.2
30°	4830.9	4817.3	4798.2	4777.4	4750.2	4729.3	4671.2	4622.3	4567.8	4484.4	4420.0
31°	4832.7	4814.6	4801.0	4779.2	4748.3	4722.9	4662.2	4612.3	4548.8	4470.8	4400.9
32°	4801.0	4791.9	4770.1	4746.5	4716.6	4691.2	4624.1	4571.5	4511.6	4428.2	4358.3
33°	4729.3	4720.2	4707.5	4683.0	4644.0	4620.5	4560.6	4502.5	4443.6	4368.3	4288.5
34°	4630.4	4619.5	4603.2	4578.7	4538.8	4514.3	4466.3	4406.4	4343.8	4265.8	4191.4
35°	4498.0	4477.1	4472.6	4436.3	4399.1	4392.8	4335.6	4273.1	4209.6	4123.4	4059.0
36°	4333.8	4309.3	4293.0	4280.3	4255.8	4225.9	4169.7	4119.8	4038.1	3982.8	3892.1
37°	4109.8	4079.9	4095.3	4060.8	4022.7	4010.0	3938.4	3893.0	3824.1	3748.8	3671.7
38°	3848.6	3845.8	3842.2	3826.8	3761.5	3727.9	3698.0	3649.9	3590.1	3499.4	3395.0
39°	3518.4	3523.8	3504.8	3506.6	3474.0	3440.4	3398.7	3344.3	3271.7	3189.1	3104.8
40°	3197.3	3120.2	3133.8	3087.6	3090.3	3040.4	2986.0	2937.9	2891.6	2819.1	2703.9
42.5°	2212.3	2200.5	2159.7	2130.6	2143.3	2078.9	2007.3	1940.2	1875.8	1794.1	1693.4
45°	1195.5	1168.3	1176.4	1129.3	1129.3	1100.2	1080.3	1024.0	964.2	927.0	868.9
47.5°	444.4	449.9	459.9	440.8	419.1	431.8	412.7	412.7	402.7	390.9	374.6
50°	120.6	122.5	120.6	120.6	117.9	116.1	112.5	111.6	110.7	107.9	103.4
52.5°	49.0	46.3	46.3	47.2	47.2	45.4	46.3	46.3	45.4	44.4	44.4
55°	8.2	9.1	9.1	9.1	9.1	8.2	8.2	9.1	10.0	9.1	9.1
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
2.5°	50.8	44.4	37.2	30.8	24.5	20.9	19.0	20.0
5°	86.2	65.3	42.6	27.2	19.0	14.5	11.8	10.9
7.5°	132.4	89.8	48.1	23.6	14.5	7.3	4.5	3.6
10°	203.2	117.0	51.7	20.0	9.1	1.8	0.0	0.0
12.5°	521.5	143.3	52.6	16.3	3.6	0.0	0.0	0.0
15°	1072.1	218.6	50.8	11.8	0.9	0.0	0.0	0.0
17.5°	1782.3	334.7	44.4	8.2	0.0	0.0	0.0	0.0
20°	2472.6	414.5	35.4	3.6	0.0	0.0	0.0	0.0
21°	2680.3	438.1	31.7	2.7	0.0	0.0	0.0	0.0
22°	2849.9	455.3	28.1	1.8	0.0	0.0	0.0	0.0
23°	2991.4	464.4	24.5	0.9	0.0	0.0	0.0	0.0
24°	3090.3	466.2	22.7	0.9	0.0	0.0	0.0	0.0
25°	3137.4	459.9	20.0	0.0	0.0	0.0	0.0	0.0
26°	3155.6	447.2	18.1	0.0	0.0	0.0	0.0	0.0
27°	3142.0	430.8	16.3	0.0	0.0	0.0	0.0	0.0
28°	3117.5	406.4	13.6	0.0	0.0	0.0	0.0	0.0
29°	3069.4	373.7	11.8	0.0	0.0	0.0	0.0	0.0
30°	3023.2	340.1	10.0	0.0	0.0	0.0	0.0	0.0
31°	2970.6	310.2	8.2	0.0	0.0	0.0	0.0	0.0
32°	2906.2	275.7	6.3	0.0	0.0	0.0	0.0	0.0
33°	2799.1	244.0	4.5	0.0	0.0	0.0	0.0	0.0
34°	2649.5	214.1	3.6	0.0	0.0	0.0	0.0	0.0
35°	2449.0	182.3	2.7	0.0	0.0	0.0	0.0	0.0
36°	2229.5	148.8	1.8	0.0	0.0	0.0	0.0	0.0
37°	1961.0	107.9	1.8	0.0	0.0	0.0	0.0	0.0
38°	1680.7	68.0	0.9	0.0	0.0	0.0	0.0	0.0
39°	1394.1	51.7	0.9	0.0	0.0	0.0	0.0	0.0
40°	1132.0	44.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	605.9	29.9	0.0	0.0	0.0	0.0	0.0	0.0
45°	357.4	18.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	199.5	7.3	0.0	0.0	0.0	0.0	0.0	0.0
50°	71.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	28.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	10.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0
57.5°	0.9	0.0	0.9	0.9	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.9	1.8	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.8	1.8	0.9	0.0	0.0	0.0
67.5°	0.0	0.9	1.8	1.8	0.9	0.0	0.0	0.0
70°	0.0	0.9	1.8	1.8	0.9	0.0	0.0	0.0
72.5°	0.0	0.9	1.8	2.7	0.9	0.0	0.0	0.0
75°	0.0	0.9	1.8	2.7	0.9	0.0	0.0	0.0
77.5°	0.0	0.9	1.8	2.7	0.9	0.0	0.0	0.0
80°	0.0	0.9	1.8	2.7	0.9	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.9	1.8	2.7	0.9	0.0	0.0	0.0
85°	0.0	0.9	1.8	2.7	0.9	0.0	0.0	0.0
87.5°	0.0	0.9	1.8	2.7	0.9	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)