

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: P1316366

Luminaire Tested: P3SQAS17R259827DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316366
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: P3SQAS17R259827DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

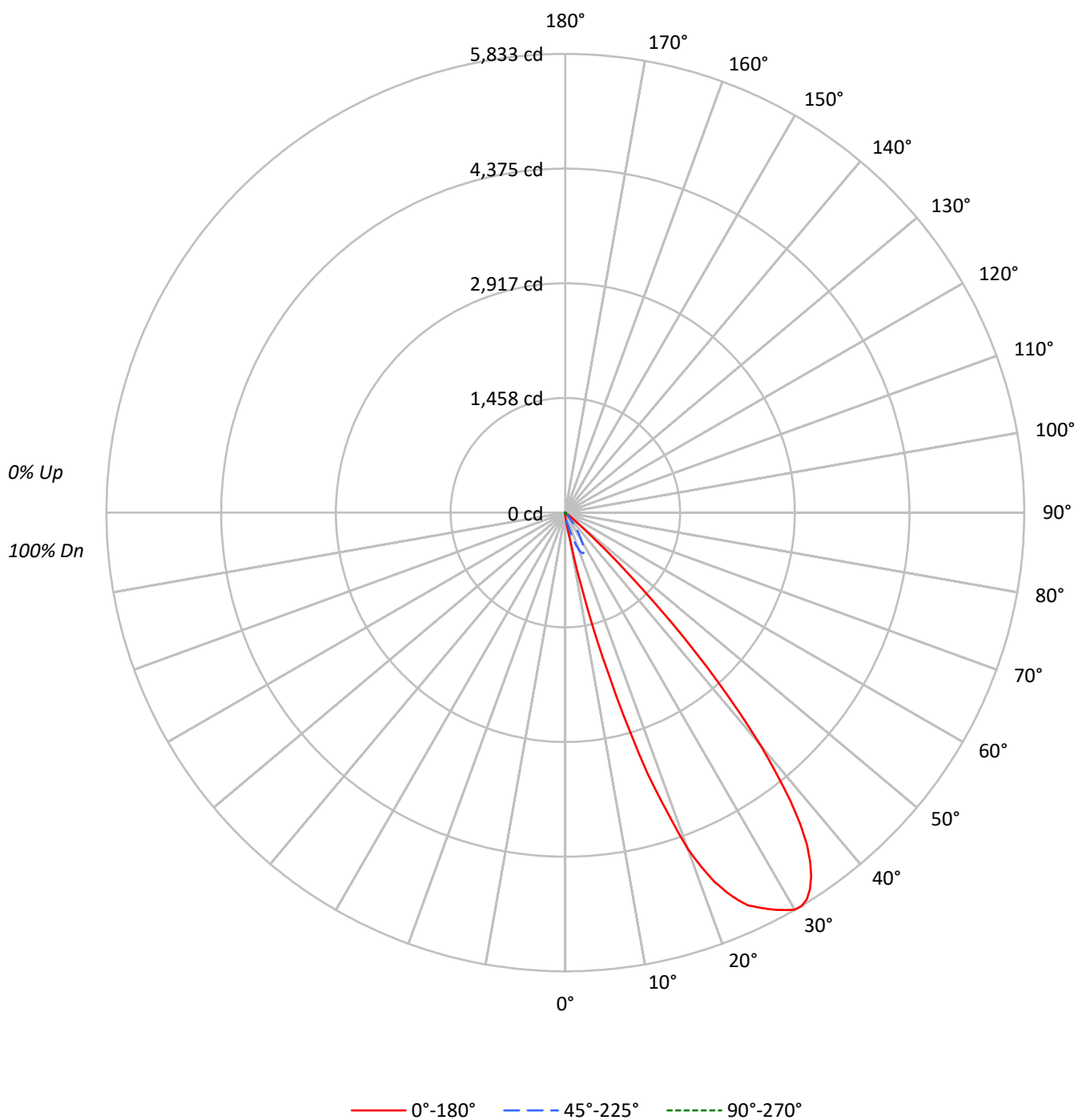
Lumens per Lamp: N/A
Luminaire Lumens: 1143.0 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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			0
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°	6217	6217	6217	6217	6217
5°	19501	13623	5670	3025	2265
10°	61453	24693	4215	385	0
15°	380042	47035	2532	0	0
20°	833280	91693	806	0	0
25°	1047465	105465	0	0	0
30°	1159526	81634	0	0	0
35°	1141420	46254	0	0	0
40°	867606	12050	0	0	0
45°	351432	5334	0	0	0
50°	39011	589	0	0	0
55°	2973	0	330	0	0
60°	0	0	379	0	0
65°	0	0	897	0	0
70°	0	554	1108	0	0
75°	0	732	2196	0	0
80°	0	1091	3273	0	0
85°	0	2174	6521	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 351432 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.5
10°-20°	118.1	10.3
20°-30°	412.7	36.1
30°-40°	460.4	40.3
40°-50°	139.0	12.2
50°-60°	4.6	0.4
60°-70°	0.6	0.1
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°	536.4	46.9
0°-40°	996.8	87.2
0°-60°	1140.5	99.8
0°-90°	1143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1143.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	36	36	36	36	36	
5°	113	79	33	18	13	17
15°	2132	264	14	0	0	709
25°	5512	555	0	0	0	2515
35°	5429	220	0	0	0	3259
45°	1443	22	0	0	0	1246
55°	10	0	1	0	0	31
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°	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
2.5°	62.4	64.6	63.5	64.6	63.5	63.5	63.5	64.6	63.5	63.5	63.5
5°	112.8	113.9	113.9	112.8	112.8	115.0	112.8	113.9	110.6	112.8	111.7
7.5°	185.0	182.8	182.8	183.9	183.9	181.7	180.6	178.4	180.6	180.6	177.4
10°	351.4	349.2	343.8	341.6	343.8	343.8	332.8	335.0	336.1	326.2	323.0
12.5°	1032.4	1024.7	1040.0	1015.9	1001.7	978.7	991.9	947.0	937.1	930.6	915.2
15°	2131.5	2189.5	2164.4	2166.5	2170.9	2116.2	2134.8	2066.9	2010.0	1992.5	1980.4
17.5°	3475.9	3493.4	3470.4	3459.5	3455.1	3428.8	3397.1	3363.1	3319.3	3281.0	3249.3
20°	4546.6	4533.4	4494.0	4498.4	4451.3	4427.2	4399.9	4365.9	4332.0	4276.2	4222.5
21°	4829.0	4790.7	4791.8	4765.5	4764.4	4733.8	4685.6	4650.6	4619.9	4556.4	4522.5
22°	5061.1	5052.4	5032.6	5012.9	4992.1	4976.8	4923.2	4905.7	4843.3	4790.7	4742.5
23°	5241.7	5245.0	5227.5	5214.4	5185.9	5179.3	5110.4	5086.3	5043.6	4963.7	4914.4
24°	5391.7	5386.3	5366.5	5343.6	5327.1	5311.8	5259.3	5219.9	5172.8	5107.1	5058.9
25°	5512.2	5499.0	5485.9	5468.4	5442.1	5424.6	5370.9	5327.1	5286.6	5213.3	5147.6
26°	5583.3	5586.6	5565.8	5552.7	5529.7	5512.2	5456.3	5404.9	5354.5	5275.7	5216.6
27°	5655.6	5652.3	5633.7	5614.0	5589.9	5583.3	5518.7	5465.1	5413.6	5330.4	5260.4
28°	5722.3	5713.6	5698.3	5675.3	5649.0	5629.3	5566.9	5511.1	5455.2	5366.5	5289.9
29°	5778.2	5769.4	5759.6	5730.0	5696.1	5682.9	5616.2	5548.3	5492.4	5401.6	5320.6
30°	5830.7	5814.3	5791.3	5766.1	5733.3	5708.1	5638.1	5578.9	5513.2	5412.5	5334.8
31°	5832.9	5811.0	5794.6	5768.3	5731.1	5700.5	5627.1	5566.9	5490.3	5396.1	5311.8
32°	5794.6	5783.7	5757.4	5728.9	5692.8	5662.1	5581.1	5517.6	5445.4	5344.7	5260.4
33°	5708.1	5697.2	5681.8	5652.3	5605.2	5576.7	5504.5	5434.4	5363.3	5272.4	5176.1
34°	5588.8	5575.7	5555.9	5526.4	5478.2	5448.7	5390.6	5318.4	5242.8	5148.7	5058.9
35°	5429.0	5403.8	5398.3	5354.5	5309.6	5302.0	5233.0	5157.4	5080.8	4976.8	4899.1
36°	5230.8	5201.2	5181.5	5166.2	5136.6	5100.5	5032.6	4972.4	4873.9	4807.1	4697.6
37°	4960.4	4924.3	4942.9	4901.3	4855.3	4840.0	4753.5	4698.7	4615.5	4524.7	4431.6
38°	4645.1	4641.8	4637.4	4618.8	4540.0	4499.5	4463.4	4405.3	4333.1	4223.6	4097.7
39°	4246.6	4253.2	4230.2	4232.4	4193.0	4152.5	4102.1	4036.4	3948.8	3849.2	3747.4
40°	3859.1	3766.0	3782.4	3726.6	3729.9	3669.7	3604.0	3546.0	3490.1	3402.5	3263.5
42.5°	2670.1	2655.9	2606.6	2571.6	2586.9	2509.2	2422.7	2341.7	2264.0	2165.4	2043.9
45°	1442.9	1410.1	1419.9	1363.0	1363.0	1328.0	1303.9	1236.0	1163.7	1118.9	1048.8
47.5°	536.4	543.0	555.0	532.1	505.8	521.1	498.1	498.1	486.1	471.8	452.1
50°	145.6	147.8	145.6	145.6	142.3	140.1	135.8	134.7	133.6	130.3	124.8
52.5°	59.1	55.8	55.8	56.9	56.9	54.7	55.8	55.8	54.7	53.6	53.6
55°	9.9	10.9	10.9	10.9	10.9	9.9	9.9	10.9	12.0	10.9	10.9
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°	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
2.5°	61.3	53.6	44.9	37.2	29.6	25.2	23.0	24.1
5°	104.0	78.8	51.5	32.8	23.0	17.5	14.2	13.1
7.5°	159.8	108.4	58.0	28.5	17.5	8.8	5.5	4.4
10°	245.2	141.2	62.4	24.1	10.9	2.2	0.0	0.0
12.5°	629.5	173.0	63.5	19.7	4.4	0.0	0.0	0.0
15°	1294.0	263.8	61.3	14.2	1.1	0.0	0.0	0.0
17.5°	2151.2	404.0	53.6	9.9	0.0	0.0	0.0	0.0
20°	2984.3	500.3	42.7	4.4	0.0	0.0	0.0	0.0
21°	3235.0	528.8	38.3	3.3	0.0	0.0	0.0	0.0
22°	3439.8	549.6	33.9	2.2	0.0	0.0	0.0	0.0
23°	3610.5	560.5	29.6	1.1	0.0	0.0	0.0	0.0
24°	3729.9	562.7	27.4	1.1	0.0	0.0	0.0	0.0
25°	3786.8	555.0	24.1	0.0	0.0	0.0	0.0	0.0
26°	3808.7	539.7	21.9	0.0	0.0	0.0	0.0	0.0
27°	3792.3	520.0	19.7	0.0	0.0	0.0	0.0	0.0
28°	3762.7	490.5	16.4	0.0	0.0	0.0	0.0	0.0
29°	3704.7	451.0	14.2	0.0	0.0	0.0	0.0	0.0
30°	3648.9	410.5	12.0	0.0	0.0	0.0	0.0	0.0
31°	3585.4	374.4	9.9	0.0	0.0	0.0	0.0	0.0
32°	3507.6	332.8	7.7	0.0	0.0	0.0	0.0	0.0
33°	3378.5	294.5	5.5	0.0	0.0	0.0	0.0	0.0
34°	3197.8	258.4	4.4	0.0	0.0	0.0	0.0	0.0
35°	2955.9	220.0	3.3	0.0	0.0	0.0	0.0	0.0
36°	2690.9	179.5	2.2	0.0	0.0	0.0	0.0	0.0
37°	2366.9	130.3	2.2	0.0	0.0	0.0	0.0	0.0
38°	2028.6	82.1	1.1	0.0	0.0	0.0	0.0	0.0
39°	1682.7	62.4	1.1	0.0	0.0	0.0	0.0	0.0
40°	1366.3	53.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	731.3	36.1	0.0	0.0	0.0	0.0	0.0	0.0
45°	431.3	21.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	240.8	8.8	0.0	0.0	0.0	0.0	0.0	0.0
50°	86.5	2.2	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	33.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	12.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0
57.5°	1.1	0.0	1.1	1.1	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.1	1.1	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.1	2.2	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.2	2.2	1.1	0.0	0.0	0.0
67.5°	0.0	1.1	2.2	2.2	1.1	0.0	0.0	0.0
70°	0.0	1.1	2.2	2.2	1.1	0.0	0.0	0.0
72.5°	0.0	1.1	2.2	3.3	1.1	0.0	0.0	0.0
75°	0.0	1.1	2.2	3.3	1.1	0.0	0.0	0.0
77.5°	0.0	1.1	2.2	3.3	1.1	0.0	0.0	0.0
80°	0.0	1.1	2.2	3.3	1.1	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	1.1	2.2	3.3	1.1	0.0	0.0	0.0
85°	0.0	1.1	2.2	3.3	1.1	0.0	0.0	0.0
87.5°	0.0	1.1	2.2	3.3	1.1	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)