

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: P1315670

Luminaire Tested: P3SQAS20R359740D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315670
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359740D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

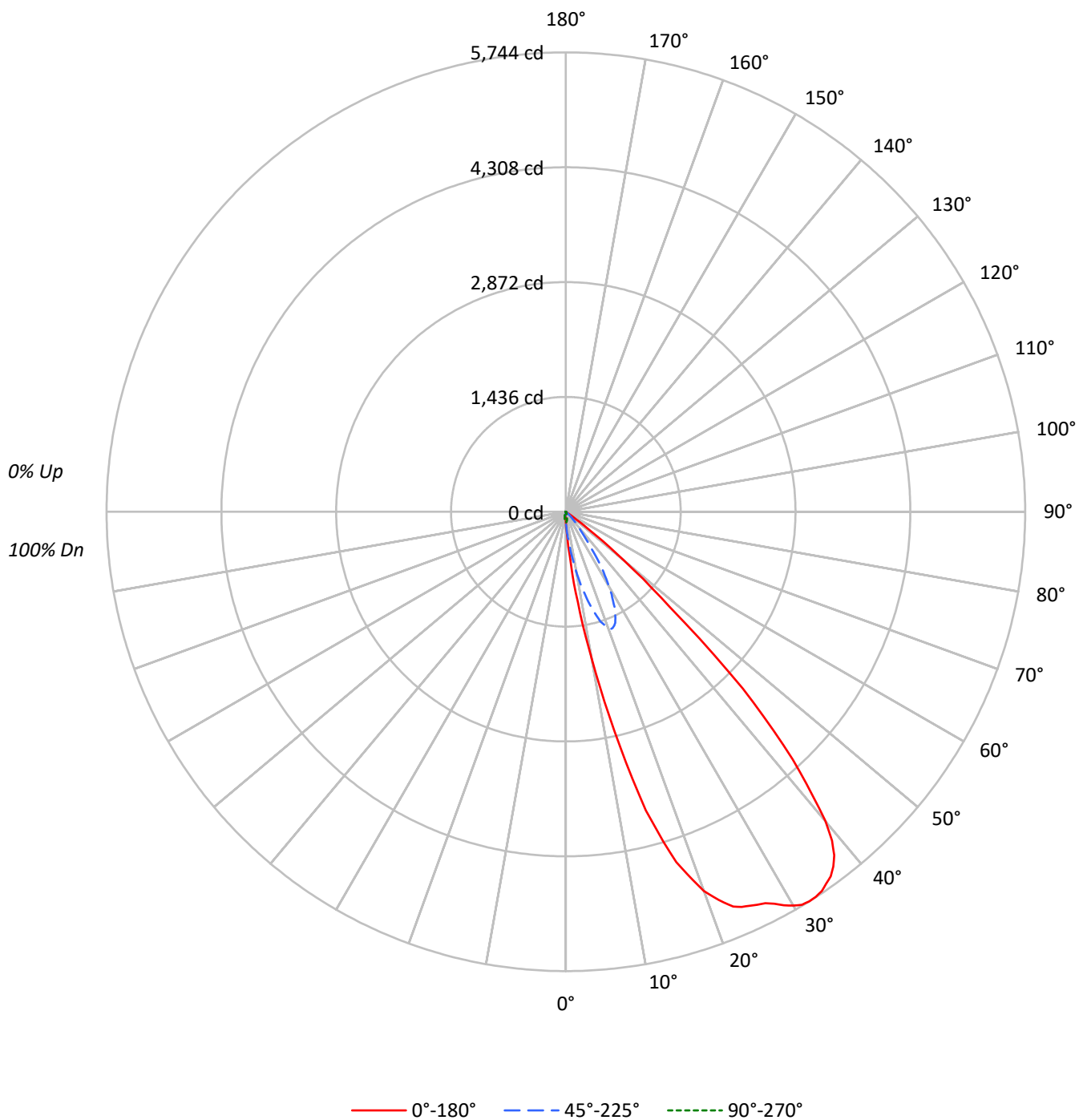
Lumens per Lamp: N/A
Luminaire Lumens: 1716.0 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	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	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22268	22268	22268	22268	22268
5°	96796	60007	20659	7365	5100
10°	325800	135409	15459	1714	577
15°	689425	222124	9628	0	0
20°	924405	283839	4509	0	0
25°	1033118	278731	931	0	0
30°	1130988	213562	0	0	0
35°	1193624	116329	0	0	0
40°	1134693	52271	0	0	0
45°	761562	23114	0	0	0
50°	254400	2197	0	0	0
55°	13752	0	0	0	0
60°	0	0	551	0	0
65°	0	0	1345	0	0
70°	0	806	1662	0	0
75°	0	1065	2196	0	0
80°	0	1587	3273	0	0
85°	0	3162	6521	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 761562 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.8	1.6
10°-20°	238.1	13.9
20°-30°	522.4	30.4
30°-40°	604.2	35.2
40°-50°	298.3	17.4
50°-60°	22.1	1.3
60°-70°	0.8	0.0
70°-80°	1.2	0.1
80°-90°	1.1	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°	788.3	45.9
0°-40°	1392.5	81.2
0°-60°	1712.9	99.8
0°-90°	1716.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1716.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	129	129	129	129	129	
5°	560	347	120	43	30	96
15°	3867	1246	54	0	0	1091
25°	5437	1467	5	0	0	2513
35°	5677	553	0	0	0	3505
45°	3127	95	0	0	0	2295
55°	46	0	0	0	0	187
65°	0	0	3	0	0	0
75°	0	2	3	0	0	0
85°	0	2	3	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	129.3	129.3	129.3	129.3	129.3	129.3	129.3	129.3	129.3	129.3	129.3
2.5°	257.0	263.6	260.3	260.3	258.7	250.5	235.7	230.8	212.8	168.6	131.0
5°	559.9	561.5	556.6	532.0	510.8	491.1	448.6	428.9	347.1	206.3	119.5
7.5°	1136.1	1111.6	1080.5	1046.1	970.8	902.0	812.0	717.0	537.0	239.0	106.4
10°	1863.0	1828.6	1802.4	1720.6	1584.7	1443.9	1272.0	1116.5	774.3	261.9	88.4
12.5°	2801.0	2781.4	2688.1	2524.4	2323.0	2120.0	1820.4	1573.2	1013.3	266.8	72.0
15°	3866.7	3834.0	3691.6	3459.1	3185.7	2866.5	2465.4	2049.6	1245.8	252.1	54.0
17.5°	4595.2	4577.2	4454.4	4210.5	3896.2	3490.2	3015.5	2496.5	1437.3	221.0	37.7
20°	5043.8	5017.6	4903.0	4696.7	4367.7	3943.7	3380.5	2781.4	1548.7	181.7	24.6
21°	5160.0	5133.8	5042.2	4827.7	4513.4	4058.3	3480.4	2850.1	1569.9	163.7	19.6
22°	5269.7	5243.5	5146.9	4957.0	4646.0	4171.2	3559.0	2902.5	1566.7	149.0	14.7
23°	5361.4	5333.6	5238.6	5063.4	4750.8	4271.1	3617.9	2928.7	1545.4	134.2	11.5
24°	5408.9	5392.5	5307.4	5142.0	4835.9	4341.5	3658.8	2938.5	1519.2	119.5	8.2
25°	5436.7	5417.0	5333.6	5181.3	4891.5	4397.2	3685.0	2930.3	1466.8	106.4	4.9
26°	5466.2	5436.7	5341.7	5194.4	4921.0	4423.3	3686.7	2909.1	1411.1	94.9	1.6
27°	5492.3	5464.5	5366.3	5204.2	4925.9	4415.2	3673.6	2868.1	1344.0	83.5	1.6
28°	5549.6	5518.5	5405.6	5225.5	4930.8	4393.9	3632.6	2812.5	1255.6	73.7	0.0
29°	5624.9	5592.2	5462.9	5276.3	4942.3	4371.0	3577.0	2738.8	1178.7	65.5	0.0
30°	5687.2	5657.7	5538.2	5340.1	4971.8	4349.7	3511.5	2638.9	1073.9	55.7	0.0
31°	5733.0	5703.5	5593.8	5394.1	4998.0	4330.0	3429.6	2535.8	979.0	49.1	0.0
32°	5744.5	5719.9	5616.8	5417.0	4998.0	4300.6	3354.3	2419.6	885.7	40.9	0.0
33°	5739.5	5715.0	5610.2	5400.7	4953.8	4230.2	3262.7	2280.4	779.2	36.0	0.0
34°	5721.5	5692.1	5580.7	5348.3	4867.0	4110.7	3130.1	2141.3	667.9	29.5	0.0
35°	5677.3	5651.1	5530.0	5250.1	4732.7	3929.0	2953.3	1980.8	553.3	24.6	0.0
36°	5634.8	5595.5	5446.5	5128.9	4555.9	3742.3	2742.1	1795.9	455.1	19.6	0.0
37°	5556.2	5500.5	5349.9	4953.8	4305.5	3478.8	2501.4	1592.9	381.4	14.7	0.0
38°	5451.4	5376.1	5184.6	4750.8	4053.4	3231.6	2275.5	1409.5	320.9	9.8	0.0
39°	5289.3	5200.9	4940.7	4472.5	3762.0	2945.1	2016.9	1214.7	273.4	6.5	0.0
40°	5047.1	4963.6	4675.5	4141.8	3472.2	2629.1	1751.7	995.3	232.5	3.3	0.0
42.5°	4202.3	4087.7	3753.8	3223.4	2566.9	1890.8	1159.0	553.3	153.9	0.0	0.0
45°	3126.8	3025.3	2697.9	2214.9	1710.7	1157.4	620.4	325.8	94.9	0.0	0.0
47.5°	1766.4	1754.9	1542.1	1272.0	954.4	615.5	314.3	196.4	40.9	0.0	0.0
50°	949.5	890.6	767.8	582.8	397.8	268.5	170.3	108.0	8.2	0.0	0.0
52.5°	347.1	335.6	281.6	234.1	180.1	122.8	86.8	47.5	0.0	0.0	0.0
55°	45.8	42.6	44.2	47.5	49.1	42.6	27.8	9.8	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.6	3.3	3.3	3.3	0.0	0.0	0.0	1.6
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	3.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	3.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	3.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	3.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	3.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	3.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	3.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	3.3
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):

	112.5°	135°	157.5°	180°
0°	129.3	129.3	129.3	129.3
2.5°	99.9	76.9	65.5	63.8
5°	68.8	42.6	31.1	29.5
7.5°	47.5	21.3	14.7	13.1
10°	27.8	9.8	4.9	3.3
12.5°	16.4	1.6	0.0	0.0
15°	4.9	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.6	0.0	0.0	0.0
67.5°	1.6	0.0	0.0	0.0
70°	1.6	0.0	0.0	0.0
72.5°	1.6	0.0	0.0	0.0
75°	1.6	0.0	0.0	0.0
77.5°	1.6	0.0	0.0	0.0
80°	1.6	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.6	0.0	0.0	0.0
85°	1.6	0.0	0.0	0.0
87.5°	1.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)