

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: P1312947

Luminaire Tested: P3SQAS02R409730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312947
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R409730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

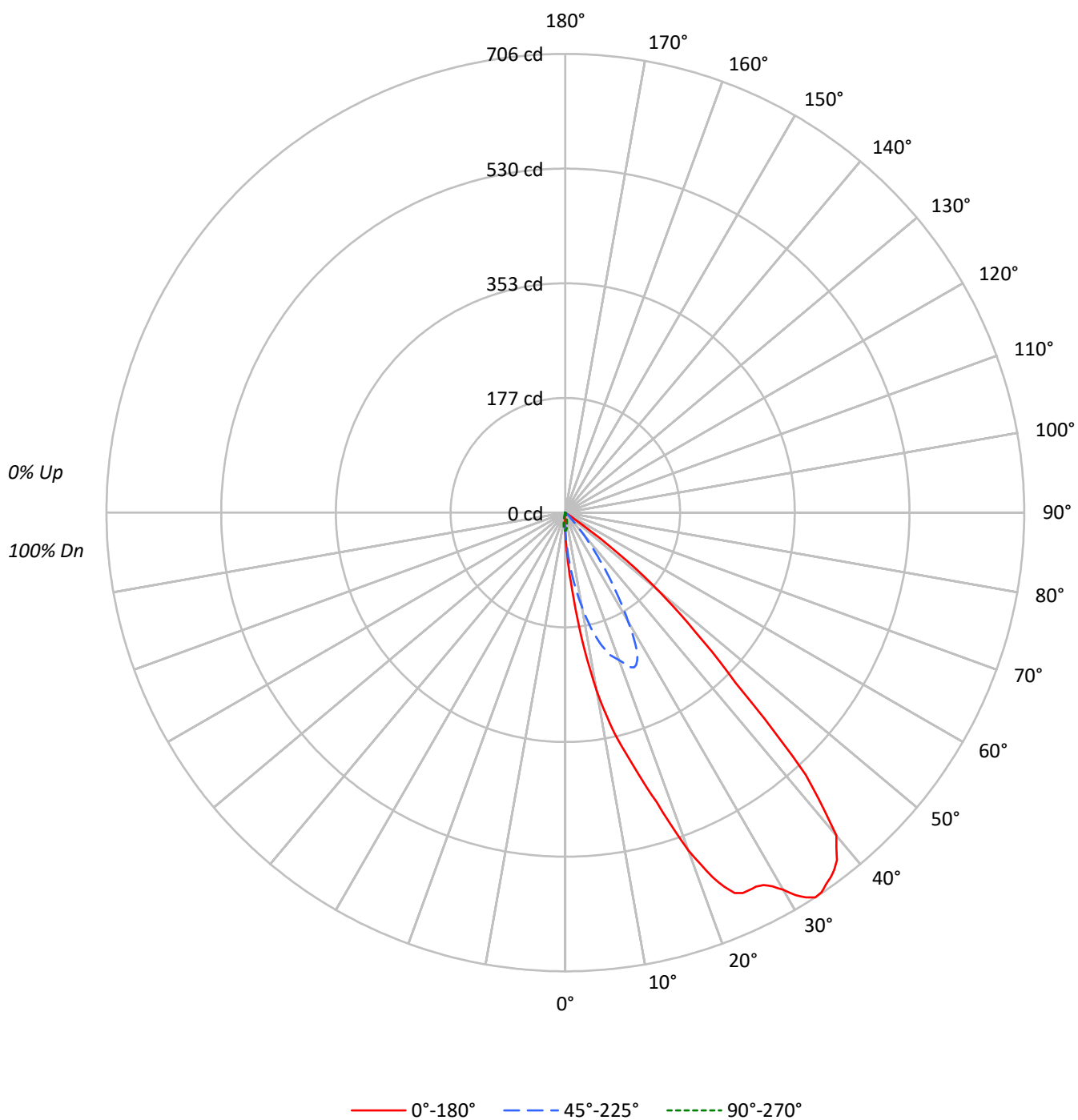
Lumens per Lamp: N/A
Luminaire Lumens: 237.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4771	4771	4771	4771	4771
5°	20262	13813	4184	761	380
10°	48704	25690	2588	70	0
15°	71676	37318	1088	0	0
20°	101333	44243	403	0	0
25°	122719	49103	0	0	0
30°	133260	38421	0	0	0
35°	146940	22475	0	0	0
40°	145841	9128	0	0	0
45°	90312	2655	0	0	0
50°	50291	54	0	0	0
55°	4924	0	0	0	0
60°	0	0	69	0	0
65°	0	0	82	0	0
70°	0	101	201	0	0
75°	0	133	266	0	0
80°	0	198	397	0	0
85°	0	395	790	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 90750 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	2.2
10°-20°	30.5	12.9
20°-30°	69.7	29.4
30°-40°	82.3	34.7
40°-50°	44.0	18.6
50°-60°	4.8	2.0
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.1	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°	105.5	44.5
0°-40°	187.8	79.3
0°-60°	236.6	99.8
0°-90°	237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	237.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	28	28	28	28	28	
5°	117	80	24	4	2	16
15°	402	209	6	0	0	119
25°	646	258	0	0	0	293
35°	699	107	0	0	0	432
45°	371	11	0	0	0	306
55°	16	0	0	0	0	46
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	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°	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
2.5°	64.6	63.3	64.2	62.4	62.4	58.5	58.7	55.4	50.6	38.6	27.5
5°	117.2	122.4	118.3	112.8	109.8	105.9	100.6	95.2	79.9	48.2	24.2
7.5°	196.2	195.8	188.8	182.9	176.1	165.7	155.8	142.5	113.7	55.2	20.1
10°	278.5	277.0	269.1	264.1	251.2	236.2	216.1	194.7	146.9	57.6	14.8
12.5°	347.0	345.1	338.5	330.0	315.8	296.8	275.2	247.1	181.8	55.0	9.6
15°	402.0	401.6	395.3	383.7	368.9	350.3	325.9	292.0	209.3	48.2	6.1
17.5°	467.3	469.9	458.6	446.1	424.7	398.8	368.9	330.2	229.6	39.9	3.9
20°	552.9	549.2	538.7	520.6	500.0	468.8	426.5	371.3	241.4	31.0	2.2
21°	579.1	577.5	566.6	549.8	527.1	495.5	451.8	392.2	246.9	27.7	1.7
22°	605.7	603.1	594.5	578.2	556.8	521.0	473.0	413.8	253.8	24.2	1.1
23°	625.5	624.5	617.9	601.8	579.7	545.0	495.9	433.9	258.6	21.0	0.7
24°	640.8	639.5	633.0	620.7	601.8	565.5	519.0	455.5	260.6	18.1	0.2
25°	645.8	646.5	642.6	633.0	617.0	580.8	536.3	472.5	258.4	15.5	0.0
26°	646.1	648.0	645.2	639.7	626.6	593.0	552.4	482.6	252.7	13.1	0.0
27°	646.1	648.0	645.2	641.0	628.2	600.0	561.2	483.7	244.0	11.1	0.0
28°	649.1	650.2	646.5	641.5	627.5	602.2	563.6	477.1	230.0	9.6	0.0
29°	657.6	656.5	650.4	643.7	626.9	602.2	556.4	464.7	212.6	8.1	0.0
30°	670.1	670.1	660.5	649.8	629.9	602.0	544.8	442.2	193.2	6.5	0.0
31°	686.9	685.3	675.7	659.8	636.5	602.0	527.8	417.3	175.3	5.7	0.0
32°	698.2	697.4	688.2	669.4	647.2	602.0	509.4	389.8	155.8	4.6	0.0
33°	706.1	704.3	693.9	674.4	653.7	598.9	488.9	360.4	138.4	3.7	0.0
34°	705.0	704.6	693.6	673.6	652.4	586.3	465.1	327.6	122.2	3.1	0.0
35°	698.9	698.9	685.6	664.8	643.0	567.7	441.5	299.7	106.9	2.2	0.0
36°	694.3	692.6	677.5	654.4	627.3	538.5	406.6	271.5	90.6	1.7	0.0
37°	687.5	684.3	667.5	642.6	605.0	506.8	370.0	246.4	76.6	1.1	0.0
38°	678.8	673.8	653.3	628.8	580.6	470.4	332.6	218.3	63.7	0.7	0.0
39°	662.9	658.7	637.5	611.1	551.3	431.9	296.4	191.9	51.5	0.2	0.0
40°	648.7	641.5	617.5	587.1	517.1	388.5	260.4	165.9	40.6	0.0	0.0
42.5°	547.0	539.3	533.9	503.8	411.9	278.9	181.8	106.3	21.2	0.0	0.0
45°	370.8	372.6	355.6	335.3	271.7	181.8	113.7	59.1	10.9	0.0	0.0
47.5°	270.4	265.8	242.7	204.3	159.3	106.3	59.4	28.6	4.4	0.0	0.0
50°	187.7	179.0	158.0	129.2	86.7	50.6	26.2	13.3	0.2	0.0	0.0
52.5°	101.9	95.8	81.2	58.9	36.0	19.4	10.5	5.5	0.0	0.0	0.0
55°	16.4	11.3	11.8	10.0	7.9	5.7	3.3	0.7	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4



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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	0.2	0.2	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4
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):

	112.5°	135°	157.5°	180°
0°	27.7	27.7	27.7	27.7
2.5°	18.6	12.7	9.6	8.3
5°	10.7	4.4	2.4	2.2
7.5°	5.2	1.5	0.9	0.9
10°	2.2	0.4	0.0	0.0
12.5°	0.7	0.0	0.0	0.0
15°	0.0	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°	0.2	0.0	0.0	0.0
67.5°	0.2	0.0	0.0	0.0
70°	0.2	0.0	0.0	0.0
72.5°	0.2	0.0	0.0	0.0
75°	0.2	0.0	0.0	0.0
77.5°	0.2	0.0	0.0	0.0
80°	0.2	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.2	0.0	0.0	0.0
85°	0.2	0.0	0.0	0.0
87.5°	0.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)