

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: P1313321

Luminaire Tested: P3SQAS09R709730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R709730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

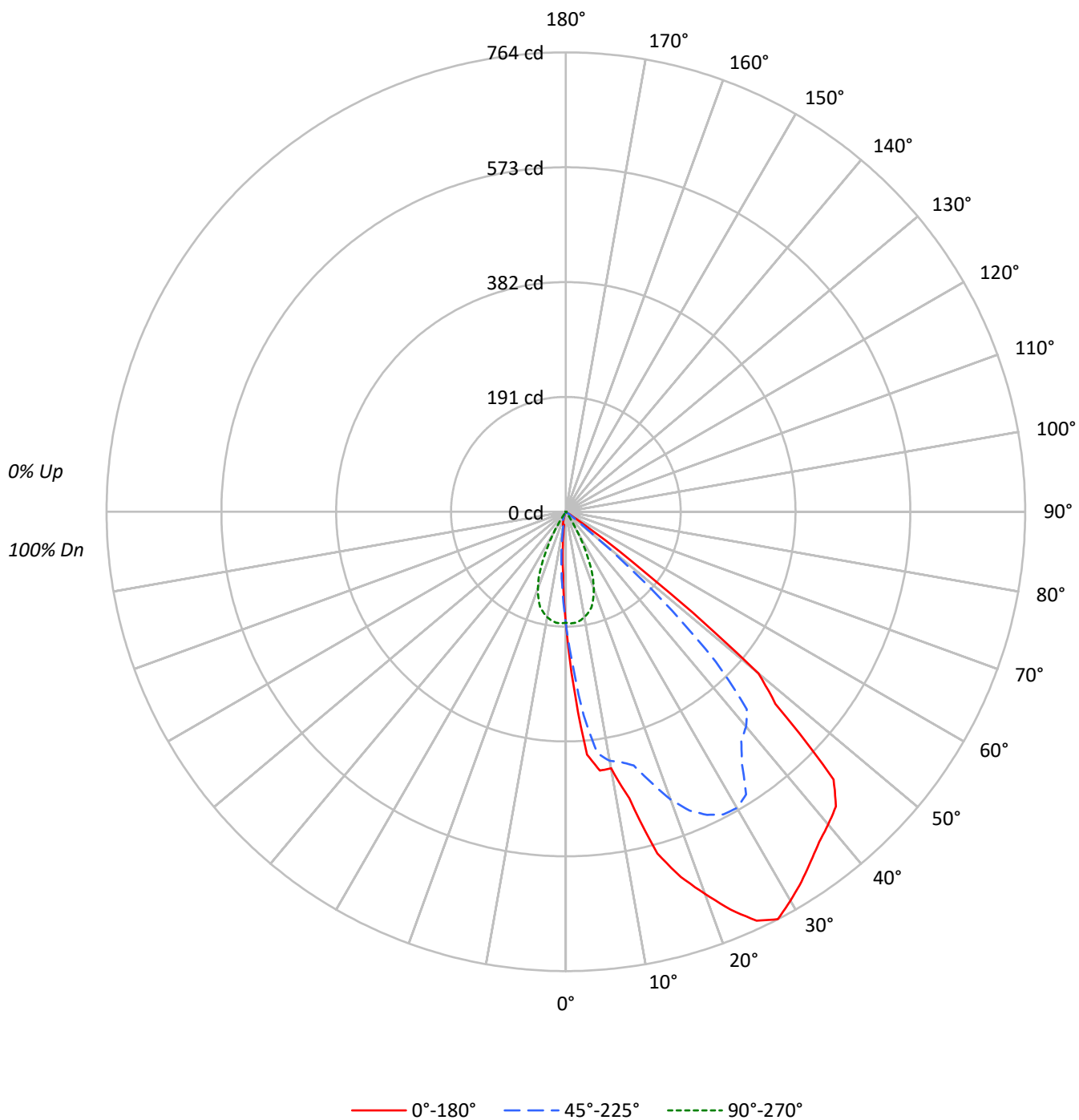
Lumens per Lamp: N/A
Luminaire Lumens: 497.0 lumens
Efficiency: N/A
Efficacy: 44.8 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48		
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	31775	31775	31775	31775	31775
5°	70086	58814	32017	14557	9578
10°	75793	73589	31146	4040	4162
15°	104911	77898	29384	4119	2995
20°	123913	93324	24944	2438	898
25°	142596	105693	17596	399	0
30°	148533	113115	8094	0	0
35°	149232	107204	442	0	0
40°	152631	104856	0	0	0
45°	153394	85928	0	0	0
50°	111995	17844	0	0	0
55°	6305	0	0	0	0
60°	0	241	241	0	0
65°	0	0	285	0	0
70°	0	352	352	0	0
75°	0	466	466	0	0
80°	0	694	694	694	0
85°	0	1383	1383	1383	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 156292 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.2	4.1
10°-20°	67.4	13.6
20°-30°	121.1	24.4
30°-40°	147.2	29.6
40°-50°	113.7	22.9
50°-60°	26.4	5.3
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.4	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°	208.7	42.0
0°-40°	355.9	71.6
0°-60°	496.1	99.8
0°-90°	497.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	497.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	184	184	184	184	184	
5°	405	340	185	84	55	38
15°	588	437	165	23	17	165
25°	750	556	93	2	0	342
35°	710	510	2	0	0	446
45°	630	353	0	0	0	445
55°	21	0	0	0	0	86
65°	0	0	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	184.5	184.5	184.5	184.5	184.5	184.5	184.5	184.5	184.5	184.5	184.5
2.5°	287.6	287.6	289.0	288.3	281.9	279.1	270.0	265.1	263.7	252.5	248.3
5°	405.4	406.1	402.6	401.9	394.9	389.9	382.2	370.3	358.4	340.2	324.0
7.5°	434.1	433.4	432.7	432.7	431.3	428.5	425.0	421.5	416.6	405.4	392.8
10°	433.4	433.4	432.7	432.7	432.0	432.7	432.0	429.9	427.8	420.8	413.8
12.5°	488.1	483.9	478.3	469.9	455.9	445.4	433.4	429.9	428.5	426.4	422.2
15°	588.4	584.9	573.0	558.3	544.2	520.4	501.5	475.5	455.2	436.9	427.8
17.5°	636.8	638.9	625.6	616.5	603.2	584.2	561.8	535.1	506.4	472.0	444.7
20°	676.1	678.2	667.0	657.9	642.4	622.8	603.2	574.4	547.1	509.2	473.4
22.5°	716.1	717.5	707.0	693.6	676.1	655.8	630.5	601.1	571.6	537.9	500.1
25°	750.4	749.0	731.5	712.6	695.7	674.0	649.4	620.7	592.6	556.2	520.4
27.5°	763.8	763.1	743.4	725.2	705.6	676.1	654.4	629.1	599.7	567.4	530.9
30°	746.9	758.2	745.5	732.2	708.4	678.9	657.9	627.7	600.4	568.8	527.4
32.5°	729.4	743.4	739.2	732.9	704.9	681.7	654.4	626.3	594.0	557.6	494.4
35°	709.8	724.5	725.2	718.2	692.9	669.8	644.5	615.1	578.6	509.9	463.6
37.5°	692.2	706.3	710.5	695.7	676.1	645.2	622.1	591.2	525.3	479.0	455.2
40°	678.9	689.4	695.7	672.6	653.0	622.8	596.1	542.1	482.5	466.4	432.7
42.5°	664.9	674.7	677.5	652.3	622.1	593.3	554.8	486.7	469.2	445.4	354.9
45°	629.8	641.7	634.7	610.2	587.7	557.6	500.1	470.6	451.7	352.8	218.1
47.5°	472.7	486.0	505.0	512.0	519.7	498.0	466.4	455.9	371.0	213.9	68.0
50°	418.0	415.9	415.9	419.4	425.7	432.7	441.8	384.3	223.0	66.6	0.0
52.5°	170.4	178.8	220.2	257.4	300.2	343.0	356.3	235.7	87.0	1.4	0.0
55°	21.0	21.0	29.5	50.5	83.5	134.7	151.5	75.7	6.3	0.0	0.0
57.5°	0.0	0.0	0.0	0.7	5.6	15.4	10.5	2.8	0.7	0.7	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
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	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	184.5	184.5	184.5	184.5	184.5	184.5	184.5	184.5
2.5°	241.3	232.8	220.9	185.9	155.7	129.0	113.6	105.9
5°	308.6	288.3	260.9	185.2	126.2	84.2	63.1	55.4
7.5°	373.1	350.0	303.7	182.4	96.8	49.1	27.4	21.7
10°	401.2	384.3	343.0	178.1	70.1	23.1	23.1	23.8
12.5°	412.4	399.8	366.1	171.8	46.3	22.4	23.8	22.4
15°	420.1	408.2	377.3	164.8	26.7	23.1	18.9	16.8
17.5°	424.3	410.3	380.8	151.5	17.5	19.6	11.9	9.8
20°	437.6	415.2	383.6	136.1	16.8	13.3	6.3	4.9
22.5°	460.1	425.0	384.3	117.1	13.3	7.7	2.1	0.0
25°	480.4	438.3	386.4	92.6	4.2	2.1	0.0	0.0
27.5°	490.2	442.5	385.7	65.2	0.0	0.0	0.0	0.0
30°	478.3	432.0	379.4	40.7	0.0	0.0	0.0	0.0
32.5°	450.3	424.3	359.8	17.5	0.0	0.0	0.0	0.0
35°	441.1	407.5	314.9	2.1	0.0	0.0	0.0	0.0
37.5°	420.8	359.1	231.4	0.0	0.0	0.0	0.0	0.0
40°	361.9	259.5	110.1	0.0	0.0	0.0	0.0	0.0
42.5°	239.2	110.8	6.3	0.0	0.0	0.0	0.0	0.0
45°	84.2	7.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.7	0.7	0.7	0.7	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
65°	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0
67.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
70°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
72.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
75°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
77.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
87.5°	0.7	0.7	0.7	0.7	0.7	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)