

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: P1305815

Luminaire Tested: P3SQAS09R609024DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R609024DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

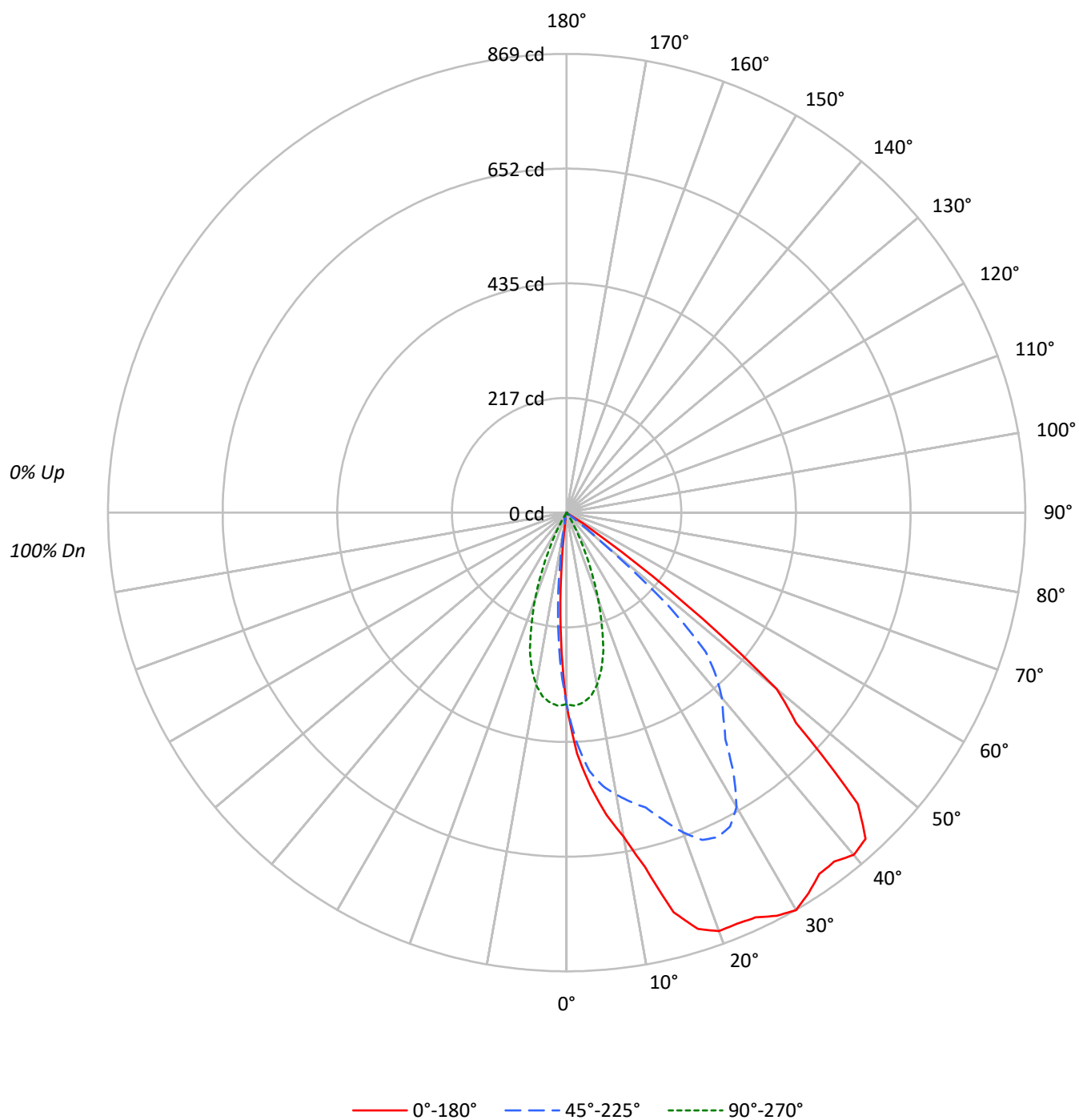
Lumens per Lamp: N/A
Luminaire Lumens: 589.9 lumens
Efficiency: N/A
Efficacy: 53.1 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	79	69	62	57	67	61	56	65	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	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	62517	62517	62517	62517	62517
5°	90123	84867	62427	32156	20659
10°	109002	94890	57955	3847	2256
15°	139696	103074	48016	2532	2068
20°	154611	118139	32202	1430	238
25°	160801	128876	15829	114	0
30°	172894	128069	4375	0	0
35°	175597	110274	0	0	0
40°	190243	102811	0	0	0
45°	190050	90775	0	0	0
50°	139136	21970	0	0	0
55°	27144	0	0	0	0
60°	0	0	0	0	0
65°	0	245	245	0	0
70°	0	302	302	0	0
75°	0	399	399	0	0
80°	0	595	595	595	0
85°	0	1186	1186	1186	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 190366 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.2	5.3
10°-20°	88.8	15.0
20°-30°	141.5	24.0
30°-40°	163.5	27.7
40°-50°	129.9	22.0
50°-60°	34.2	5.8
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	261.4	44.3
0°-40°	425.0	72.0
0°-60°	589.0	99.8
0°-90°	589.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	589.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	363	363	363	363	363	
5°	521	491	361	186	120	53
15°	784	578	269	14	12	218
25°	846	678	83	1	0	395
35°	835	524	0	0	0	530
45°	780	373	0	0	0	556
55°	90	0	0	0	0	136
65°	0	1	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°	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0
2.5°	456.7	461.2	459.2	457.3	452.8	450.9	450.9	445.7	437.3	436.0	430.2
5°	521.3	522.5	522.5	521.3	518.0	512.9	511.6	506.4	498.6	490.9	483.1
7.5°	577.5	576.8	572.9	570.3	564.5	557.4	551.0	543.9	532.2	521.9	510.9
10°	623.3	625.2	622.0	615.6	607.8	598.1	587.8	575.5	558.1	542.6	528.4
12.5°	687.9	687.3	678.9	667.9	649.1	631.1	614.9	601.3	580.0	561.3	543.9
15°	783.5	782.2	774.5	764.8	737.6	710.5	682.7	644.6	609.1	578.1	553.6
17.5°	826.8	829.4	822.9	817.7	802.2	784.1	759.6	721.5	666.6	610.4	558.7
20°	843.6	846.8	842.3	841.6	834.5	826.1	806.1	764.8	711.2	644.6	580.7
22.5°	842.9	845.5	843.6	852.0	860.4	855.8	831.3	790.0	735.1	671.1	598.8
25°	846.2	844.2	837.1	849.4	861.7	857.8	845.5	810.0	749.9	678.2	605.2
27.5°	861.0	846.8	832.6	848.1	853.9	855.2	848.1	806.1	747.3	670.5	592.3
30°	869.4	853.9	842.3	855.2	855.2	862.3	847.4	799.6	725.4	644.0	558.1
32.5°	853.9	850.7	861.0	873.9	877.2	877.2	844.2	778.3	688.5	589.7	503.2
35°	835.2	842.9	872.6	878.4	878.4	864.2	824.2	740.9	633.6	524.5	462.5
37.5°	833.2	845.5	878.4	871.3	859.7	833.2	775.1	675.6	555.5	487.7	432.1
40°	846.2	857.8	877.2	851.3	823.5	782.2	712.4	590.4	508.3	457.3	395.3
42.5°	838.4	849.4	850.0	811.9	772.5	716.3	624.0	521.3	474.1	418.6	353.3
45°	780.3	781.6	779.0	738.3	697.6	639.5	541.3	487.0	436.6	372.7	259.7
47.5°	589.7	587.1	596.8	585.2	587.1	552.3	491.5	447.0	386.9	261.6	78.8
50°	519.3	516.1	506.4	496.1	485.7	468.9	440.5	392.7	279.0	82.0	2.6
52.5°	278.4	293.9	324.3	370.8	388.2	386.9	365.6	290.7	87.8	0.6	0.0
55°	90.4	89.1	99.5	117.6	161.5	186.0	193.8	98.8	1.9	0.0	0.0
57.5°	0.0	0.0	0.0	1.9	6.5	16.8	22.0	1.3	0.0	0.6	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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°	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0
2.5°	422.4	413.4	403.1	366.2	323.0	281.0	250.6	242.9
5°	470.9	455.4	433.4	361.1	266.8	186.0	133.1	119.5
7.5°	496.1	482.5	459.2	350.7	206.7	91.7	34.2	23.3
10°	511.6	495.4	469.6	331.4	135.0	22.0	12.3	12.9
12.5°	522.5	503.8	474.7	303.6	68.5	11.0	15.5	16.1
15°	527.1	507.0	474.1	269.3	24.5	14.2	13.6	11.6
17.5°	524.5	499.3	465.7	220.3	8.4	13.6	7.1	5.8
20°	521.3	492.8	452.1	175.7	7.1	7.8	2.6	1.3
22.5°	531.6	481.9	433.4	126.0	7.1	2.6	0.0	0.0
25°	532.9	477.3	409.5	83.3	3.2	0.6	0.0	0.0
27.5°	520.0	450.9	372.7	49.1	0.0	0.0	0.0	0.0
30°	478.6	417.9	333.3	22.0	0.0	0.0	0.0	0.0
32.5°	437.9	381.1	289.4	5.2	0.0	0.0	0.0	0.0
35°	405.6	343.0	240.9	0.0	0.0	0.0	0.0	0.0
37.5°	365.6	297.8	179.6	0.0	0.0	0.0	0.0	0.0
40°	323.6	240.3	89.8	0.0	0.0	0.0	0.0	0.0
42.5°	252.6	114.3	9.0	0.0	0.0	0.0	0.0	0.0
45°	96.9	10.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5.2	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°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
65°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
67.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
70°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
72.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
75°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
77.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
82.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)