

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: P1315265

Luminaire Tested: P3SQAS09R709740DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315265
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: P3SQAS09R709740DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

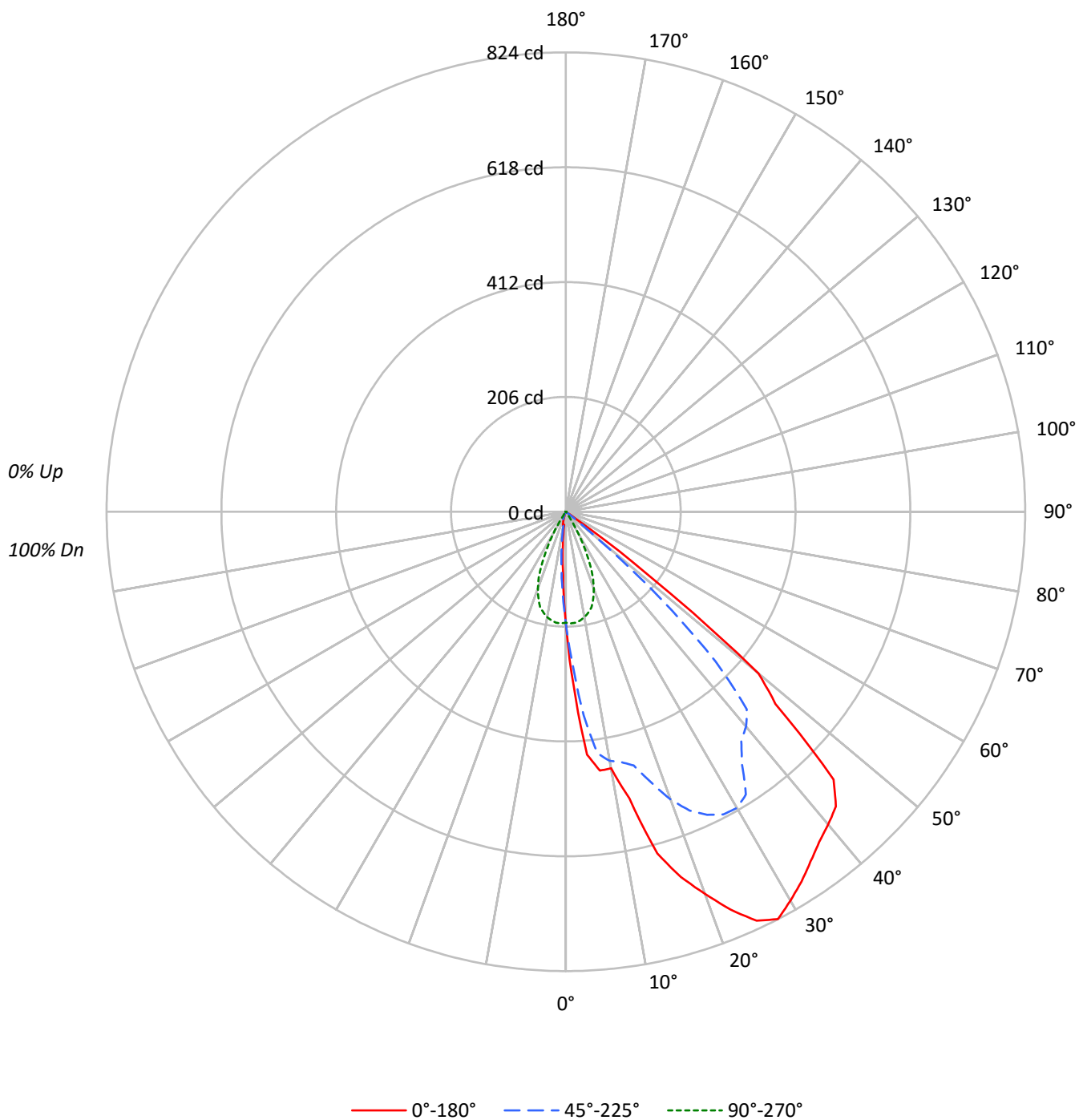
Lumens per Lamp: N/A
Luminaire Lumens: 536.1 lumens
Efficiency: N/A
Efficacy: 48.3 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	90	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°	34255	34255	34255	34255	34255
5°	75583	63413	34524	15698	10338
10°	81739	79360	33594	4372	4494
15°	113148	84014	31684	4457	3245
20°	133644	100637	26887	2639	971
25°	153789	113978	18965	437	0
30°	160186	121984	8730	0	0
35°	160943	115614	484	0	0
40°	164614	113085	0	0	0
45°	165426	92674	0	0	0
50°	120783	19264	0	0	0
55°	6816	0	0	0	0
60°	0	276	276	0	0
65°	0	0	326	0	0
70°	0	403	403	0	0
75°	0	532	532	0	0
80°	0	793	793	793	0
85°	0	1581	1581	1581	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 168568 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	4.1
10°-20°	72.7	13.6
20°-30°	130.6	24.4
30°-40°	158.8	29.6
40°-50°	122.6	22.9
50°-60°	28.5	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°	225.1	42.0
0°-40°	383.9	71.6
0°-60°	535.0	99.8
0°-90°	536.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	536.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	199	199	199	199	199	
5°	437	367	200	91	60	41
15°	635	471	178	25	18	177
25°	809	600	100	2	0	368
35°	766	550	2	0	0	481
45°	679	380	0	0	0	480
55°	23	0	0	0	0	93
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°	198.9	198.9	198.9	198.9	198.9	198.9	198.9	198.9	198.9	198.9	198.9
2.5°	310.1	310.1	311.6	310.9	304.1	301.0	291.2	285.9	284.4	272.3	267.8
5°	437.2	437.9	434.2	433.4	425.8	420.5	412.2	399.4	386.5	366.8	349.4
7.5°	468.2	467.4	466.7	466.7	465.2	462.1	458.4	454.6	449.3	437.2	423.6
10°	467.4	467.4	466.7	466.7	465.9	466.7	465.9	463.7	461.4	453.8	446.3
12.5°	526.4	521.9	515.9	506.8	491.6	480.3	467.4	463.7	462.1	459.9	455.3
15°	634.6	630.8	618.0	602.1	587.0	561.2	540.8	512.8	490.9	471.2	461.4
17.5°	686.8	689.1	674.7	664.9	650.5	630.1	605.9	577.1	546.1	509.0	479.5
20°	729.2	731.4	719.3	709.5	692.8	671.7	650.5	619.5	590.0	549.1	510.6
22.5°	772.3	773.8	762.4	748.1	729.2	707.2	680.0	648.2	616.5	580.1	539.3
25°	809.3	807.8	788.9	768.5	750.3	726.9	700.4	669.4	639.1	599.8	561.2
27.5°	823.7	822.9	801.8	782.1	760.9	729.2	705.7	678.5	646.7	611.9	572.6
30°	805.5	817.6	804.0	789.7	763.9	732.2	709.5	677.0	647.5	613.4	568.8
32.5°	786.6	801.8	797.2	790.4	760.2	735.2	705.7	675.4	640.7	601.3	533.2
35°	765.5	781.3	782.1	774.5	747.3	722.3	695.1	663.3	624.0	549.9	500.0
37.5°	746.5	761.7	766.2	750.3	729.2	695.9	670.9	637.6	566.5	516.6	490.9
40°	732.2	743.5	750.3	725.4	704.2	671.7	642.9	584.7	520.4	503.0	466.7
42.5°	717.0	727.6	730.7	703.4	670.9	639.9	598.3	524.9	506.0	480.3	382.7
45°	679.2	692.1	684.5	658.1	633.8	601.3	539.3	507.5	487.1	380.5	235.2
47.5°	509.8	524.2	544.6	552.2	560.5	537.0	503.0	491.6	400.1	230.7	73.4
50°	450.8	448.5	448.5	452.3	459.1	466.7	476.5	414.5	240.5	71.9	0.0
52.5°	183.8	192.9	237.5	277.6	323.7	369.9	384.2	254.1	93.8	1.5	0.0
55°	22.7	22.7	31.8	54.5	90.0	145.2	163.4	81.7	6.8	0.0	0.0
57.5°	0.0	0.0	0.0	0.8	6.1	16.6	11.3	3.0	0.8	0.8	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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	0.8	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
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°	198.9	198.9	198.9	198.9	198.9	198.9	198.9	198.9
2.5°	260.2	251.1	238.3	200.4	167.9	139.2	122.5	114.2
5°	332.8	310.9	281.4	199.7	136.1	90.8	68.1	59.8
7.5°	402.4	377.4	327.5	196.7	104.4	52.9	29.5	23.4
10°	432.7	414.5	369.9	192.1	75.6	25.0	25.0	25.7
12.5°	444.8	431.1	394.8	185.3	49.9	24.2	25.7	24.2
15°	453.1	440.2	406.9	177.7	28.7	25.0	20.4	18.2
17.5°	457.6	442.5	410.7	163.4	18.9	21.2	12.9	10.6
20°	472.0	447.8	413.7	146.7	18.2	14.4	6.8	5.3
22.5°	496.2	458.4	414.5	126.3	14.4	8.3	2.3	0.0
25°	518.1	472.7	416.8	99.8	4.5	2.3	0.0	0.0
27.5°	528.7	477.3	416.0	70.3	0.0	0.0	0.0	0.0
30°	515.9	465.9	409.2	43.9	0.0	0.0	0.0	0.0
32.5°	485.6	457.6	388.0	18.9	0.0	0.0	0.0	0.0
35°	475.8	439.5	339.6	2.3	0.0	0.0	0.0	0.0
37.5°	453.8	387.3	249.6	0.0	0.0	0.0	0.0	0.0
40°	390.3	279.9	118.8	0.0	0.0	0.0	0.0	0.0
42.5°	257.9	119.5	6.8	0.0	0.0	0.0	0.0	0.0
45°	90.8	7.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.5	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°	0.8	0.8	0.8	0.8	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	0.8	0.8	0.0	0.0	0.0	0.0
67.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
70°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
72.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
75°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
77.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.8	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)