

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: P1305828

Luminaire Tested: P3SQAS09R709024DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305828
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: P3SQAS09R709024DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

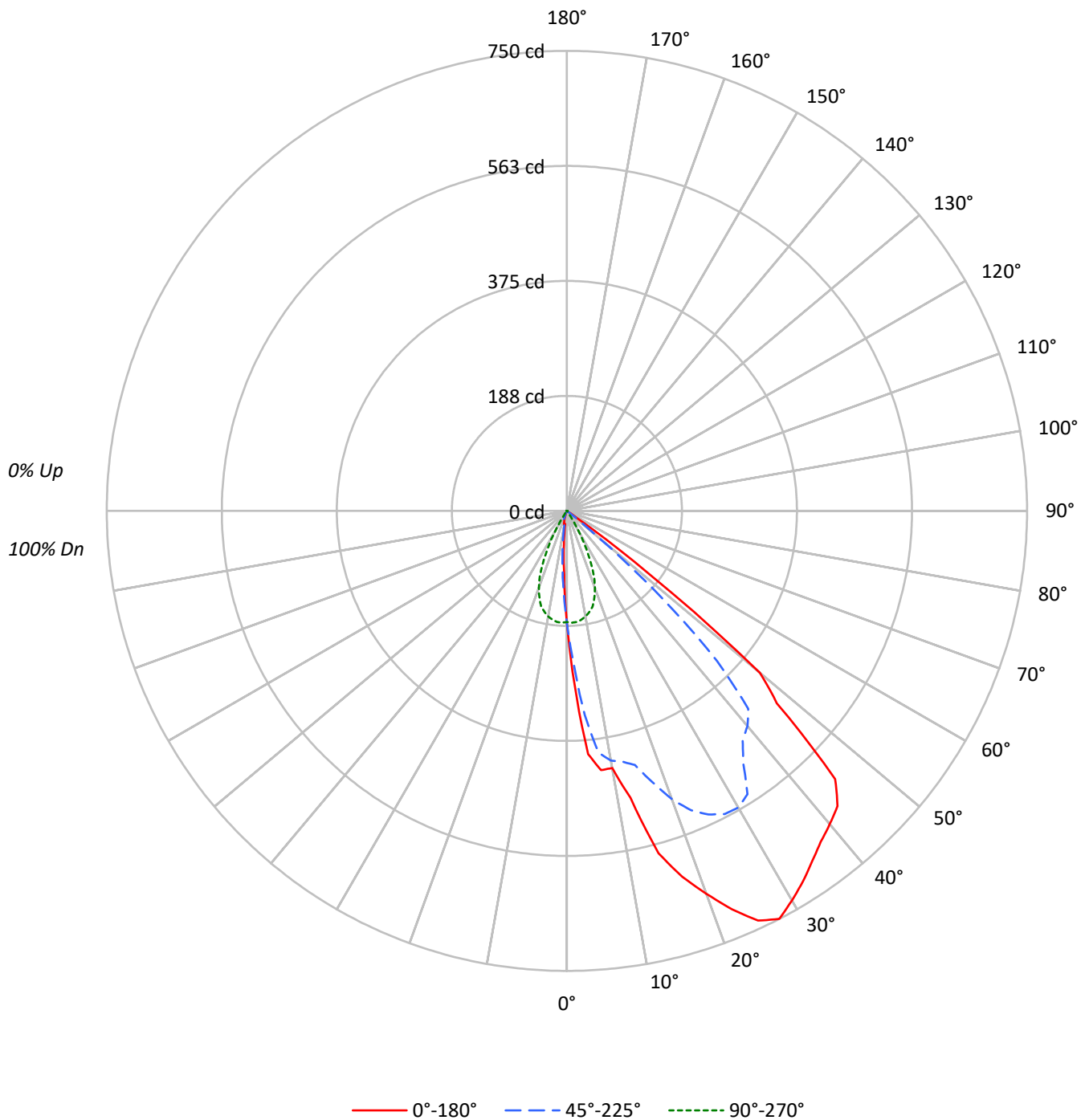
Lumens per Lamp: N/A
Luminaire Lumens: 488.0 lumens
Efficiency: N/A
Efficacy: 44.0 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
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°	31190	31190	31190	31190	31190
5°	68806	57742	31430	14280	9405
10°	74429	72260	30586	3970	4092
15°	103021	76490	28849	4047	2942
20°	121677	91638	24486	2401	880
25°	140031	103774	17273	399	0
30°	145848	111066	7935	0	0
35°	146520	105249	442	0	0
40°	149865	102945	0	0	0
45°	150617	84369	0	0	0
50°	109959	17523	0	0	0
55°	6215	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: 153467 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	4.1
10°-20°	66.2	13.6
20°-30°	118.9	24.4
30°-40°	144.6	29.6
40°-50°	111.6	22.9
50°-60°	26.0	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°	204.9	42.0
0°-40°	349.5	71.6
0°-60°	487.1	99.8
0°-90°	488.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	488.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	181	181	181	181	181	
5°	398	334	182	83	54	38
15°	578	429	162	23	16	162
25°	737	546	91	2	0	335
35°	697	501	2	0	0	438
45°	618	346	0	0	0	437
55°	21	0	0	0	0	85
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°	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1
2.5°	282.3	282.3	283.7	283.0	276.8	274.1	265.1	260.3	258.9	247.9	243.8
5°	398.0	398.7	395.3	394.6	387.7	382.9	375.3	363.6	351.9	334.0	318.2
7.5°	426.3	425.6	424.9	424.9	423.5	420.8	417.3	413.9	409.1	398.0	385.6
10°	425.6	425.6	424.9	424.9	424.2	424.9	424.2	422.1	420.1	413.2	406.3
12.5°	479.3	475.2	469.7	461.4	447.6	437.3	425.6	422.1	420.8	418.7	414.6
15°	577.8	574.3	562.6	548.2	534.4	511.0	492.4	466.9	446.9	429.0	420.1
17.5°	625.3	627.4	614.3	605.3	592.2	573.6	551.6	525.4	497.2	463.5	436.6
20°	663.9	665.9	654.9	645.9	630.8	611.5	592.2	564.0	537.1	500.0	464.8
22.5°	703.1	704.5	694.2	681.1	663.9	643.9	619.1	590.2	561.2	528.2	491.0
25°	736.9	735.5	718.3	699.7	683.1	661.8	637.7	609.5	581.9	546.1	511.0
27.5°	749.9	749.2	730.0	712.1	692.8	663.9	642.5	617.7	588.8	557.1	521.3
30°	733.4	744.4	732.0	718.9	695.5	666.6	645.9	616.3	589.5	558.5	517.9
32.5°	716.2	730.0	725.8	719.6	692.1	669.4	642.5	615.0	583.3	547.5	485.5
35°	696.9	711.4	712.1	705.2	680.4	657.7	632.9	603.9	568.1	500.6	455.2
37.5°	679.7	693.5	697.6	683.1	663.9	633.6	610.8	580.5	515.8	470.3	446.9
40°	666.6	676.9	683.1	660.4	641.1	611.5	585.3	532.3	473.8	457.9	424.9
42.5°	652.8	662.5	665.2	640.4	610.8	582.6	544.7	477.9	460.7	437.3	348.5
45°	618.4	630.1	623.2	599.1	577.1	547.5	491.0	462.1	443.5	346.4	214.2
47.5°	464.1	477.2	495.8	502.7	510.3	488.9	457.9	447.6	364.3	210.0	66.8
50°	410.4	408.4	408.4	411.8	418.0	424.9	433.8	377.4	219.0	65.4	0.0
52.5°	167.3	175.6	216.2	252.7	294.7	336.7	349.8	231.4	85.4	1.4	0.0
55°	20.7	20.7	28.9	49.6	81.9	132.2	148.7	74.4	6.2	0.0	0.0
57.5°	0.0	0.0	0.0	0.7	5.5	15.2	10.3	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°	181.1	181.1	181.1	181.1	181.1	181.1	181.1	181.1
2.5°	236.9	228.6	216.9	182.5	152.9	126.7	111.6	104.0
5°	303.0	283.0	256.2	181.8	124.0	82.6	62.0	54.4
7.5°	366.4	343.6	298.2	179.0	95.0	48.2	26.9	21.3
10°	393.9	377.4	336.7	174.9	68.9	22.7	22.7	23.4
12.5°	404.9	392.5	359.5	168.7	45.5	22.0	23.4	22.0
15°	412.5	400.8	370.5	161.8	26.2	22.7	18.6	16.5
17.5°	416.6	402.9	373.9	148.7	17.2	19.3	11.7	9.6
20°	429.7	407.7	376.7	133.6	16.5	13.1	6.2	4.8
22.5°	451.8	417.3	377.4	115.0	13.1	7.6	2.1	0.0
25°	471.7	430.4	379.4	90.9	4.1	2.1	0.0	0.0
27.5°	481.4	434.5	378.8	64.0	0.0	0.0	0.0	0.0
30°	469.7	424.2	372.6	39.9	0.0	0.0	0.0	0.0
32.5°	442.1	416.6	353.3	17.2	0.0	0.0	0.0	0.0
35°	433.2	400.1	309.2	2.1	0.0	0.0	0.0	0.0
37.5°	413.2	352.6	227.3	0.0	0.0	0.0	0.0	0.0
40°	355.3	254.8	108.1	0.0	0.0	0.0	0.0	0.0
42.5°	234.8	108.8	6.2	0.0	0.0	0.0	0.0	0.0
45°	82.6	6.9	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)