

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: P1306786

Luminaire Tested: P3SQAS09R609027DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306786
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: P3SQAS09R609027DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

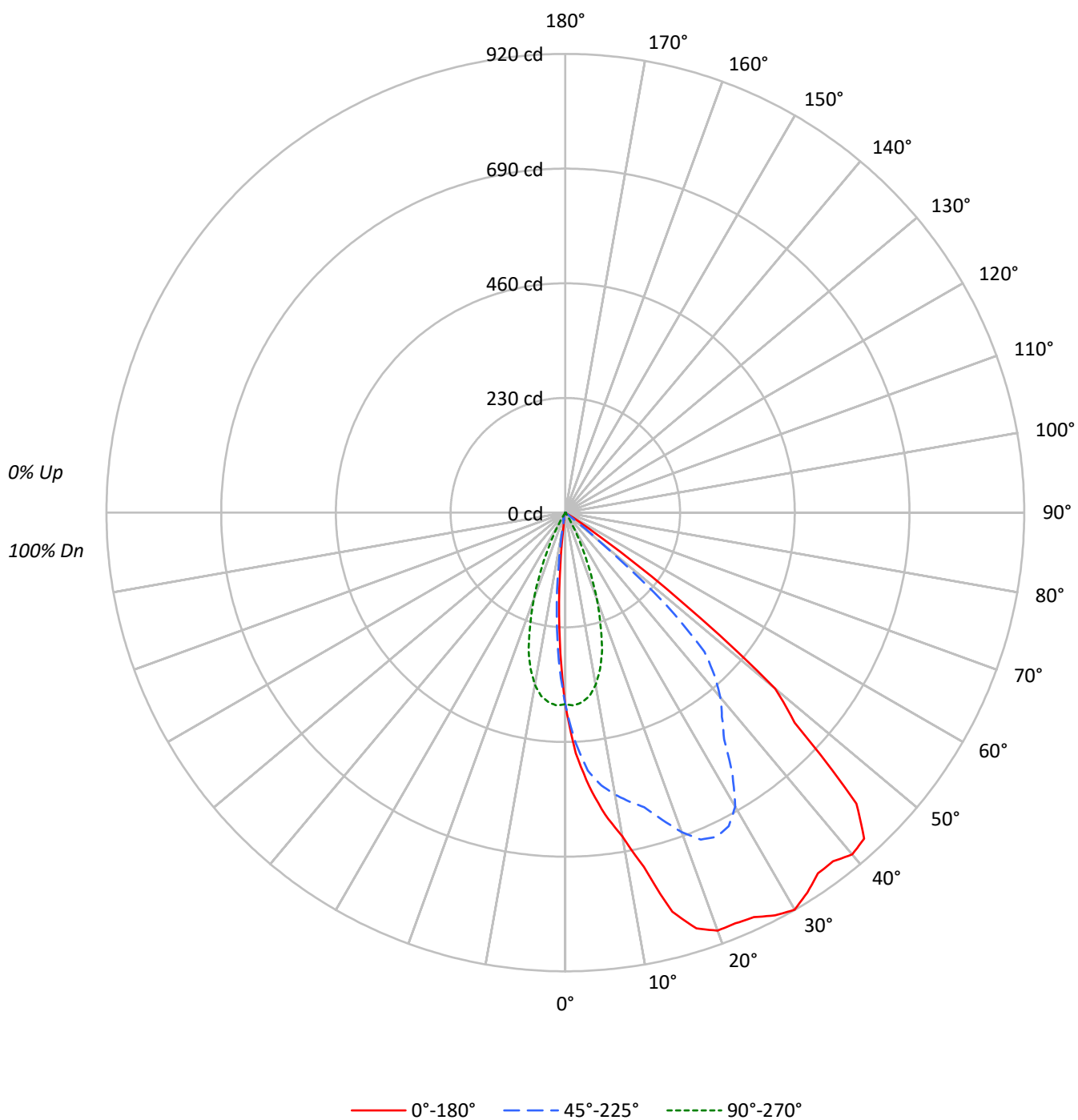
Lumens per Lamp: N/A
Luminaire Lumens: 624.0 lumens
Efficiency: N/A
Efficacy: 56.2 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	63	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°	66116	66116	66116	66116	66116
5°	95309	89760	66023	34006	21852
10°	115281	100346	61295	4057	2396
15°	147738	109011	50797	2674	2193
20°	163518	124957	34053	1503	257
25°	170055	136306	16741	133	0
30°	182857	135447	4614	0	0
35°	185709	116623	0	0	0
40°	201192	108746	0	0	0
45°	200985	96011	0	0	0
50°	147148	23256	0	0	0
55°	28705	0	0	0	0
60°	0	0	0	0	0
65°	0	285	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: 201326 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	5.3
10°-20°	93.9	15.0
20°-30°	149.6	24.0
30°-40°	173.0	27.7
40°-50°	137.4	22.0
50°-60°	36.1	5.8
60°-70°	0.3	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°	276.5	44.3
0°-40°	449.4	72.0
0°-60°	623.0	99.8
0°-90°	624.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	624.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	384	384	384	384	384	
5°	551	519	382	197	126	56
15°	829	611	285	15	12	231
25°	895	717	88	1	0	417
35°	883	555	0	0	0	561
45°	825	394	0	0	0	588
55°	96	0	0	0	0	144
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°	383.9	383.9	383.9	383.9	383.9	383.9	383.9	383.9	383.9	383.9	383.9
2.5°	483.0	487.8	485.7	483.7	478.9	476.8	476.8	471.4	462.5	461.1	455.0
5°	551.3	552.7	552.7	551.3	547.9	542.4	541.0	535.6	527.4	519.2	511.0
7.5°	610.7	610.0	605.9	603.2	597.1	589.5	582.7	575.2	562.9	552.0	540.4
10°	659.2	661.3	657.9	651.0	642.8	632.6	621.7	608.7	590.2	573.8	558.8
12.5°	727.5	726.9	718.0	706.4	686.6	667.4	650.3	636.0	613.5	593.6	575.2
15°	828.6	827.3	819.1	808.8	780.1	751.5	722.1	681.8	644.2	611.4	585.5
17.5°	874.4	877.2	870.3	864.9	848.5	829.3	803.4	763.1	705.0	645.6	590.9
20°	892.2	895.6	890.8	890.1	882.6	873.7	852.6	808.8	752.1	681.8	614.1
22.5°	891.5	894.2	892.2	901.1	909.9	905.2	879.2	835.5	777.4	709.8	633.3
25°	894.9	892.9	885.3	898.3	911.3	907.2	894.2	856.7	793.1	717.3	640.1
27.5°	910.6	895.6	880.6	897.0	903.1	904.5	897.0	852.6	790.4	709.1	626.4
30°	919.5	903.1	890.8	904.5	904.5	912.0	896.3	845.7	767.2	681.1	590.2
32.5°	903.1	899.7	910.6	924.3	927.7	927.7	892.9	823.2	728.2	623.7	532.2
35°	883.3	891.5	922.9	929.1	929.1	914.0	871.7	783.6	670.2	554.7	489.1
37.5°	881.3	894.2	929.1	921.6	909.3	881.3	819.8	714.6	587.5	515.8	457.0
40°	894.9	907.2	927.7	900.4	871.0	827.3	753.5	624.4	537.6	483.7	418.1
42.5°	886.7	898.3	899.0	858.7	817.0	757.6	659.9	551.3	501.4	442.7	373.7
45°	825.2	826.6	823.9	780.8	737.8	676.3	572.5	515.1	461.8	394.2	274.6
47.5°	623.7	621.0	631.2	618.9	621.0	584.1	519.9	472.7	409.2	276.7	83.3
50°	549.2	545.8	535.6	524.7	513.7	496.0	465.9	415.3	295.1	86.8	2.7
52.5°	294.4	310.8	342.9	392.1	410.6	409.2	386.7	307.4	92.9	0.7	0.0
55°	95.6	94.3	105.2	124.3	170.8	196.7	204.9	104.5	2.0	0.0	0.0
57.5°	0.0	0.0	0.0	2.0	6.8	17.8	23.2	1.4	0.0	0.7	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	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	0.7	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	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°	383.9	383.9	383.9	383.9	383.9	383.9	383.9	383.9
2.5°	446.8	437.2	426.3	387.3	341.6	297.2	265.1	256.9
5°	498.0	481.6	458.4	381.9	282.1	196.7	140.7	126.4
7.5°	524.7	510.3	485.7	370.9	218.6	97.0	36.2	24.6
10°	541.0	524.0	496.6	350.5	142.8	23.2	13.0	13.7
12.5°	552.7	532.8	502.1	321.1	72.4	11.6	16.4	17.1
15°	557.4	536.3	501.4	284.9	26.0	15.0	14.3	12.3
17.5°	554.7	528.1	492.5	233.0	8.9	14.3	7.5	6.1
20°	551.3	521.2	478.2	185.8	7.5	8.2	2.7	1.4
22.5°	562.2	509.6	458.4	133.2	7.5	2.7	0.0	0.0
25°	563.6	504.8	433.1	88.1	3.4	0.7	0.0	0.0
27.5°	549.9	476.8	394.2	51.9	0.0	0.0	0.0	0.0
30°	506.2	442.0	352.5	23.2	0.0	0.0	0.0	0.0
32.5°	463.2	403.1	306.0	5.5	0.0	0.0	0.0	0.0
35°	429.0	362.7	254.8	0.0	0.0	0.0	0.0	0.0
37.5°	386.7	314.9	189.9	0.0	0.0	0.0	0.0	0.0
40°	342.3	254.1	95.0	0.0	0.0	0.0	0.0	0.0
42.5°	267.1	120.9	9.6	0.0	0.0	0.0	0.0	0.0
45°	102.5	10.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5.5	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°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
65°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
67.5°	0.7	0.7	0.7	0.7	0.7	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	0.0	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	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)