

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: P1307917

Luminaire Tested: P3SQAS09R709030DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307917
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: P3SQAS09R709030DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

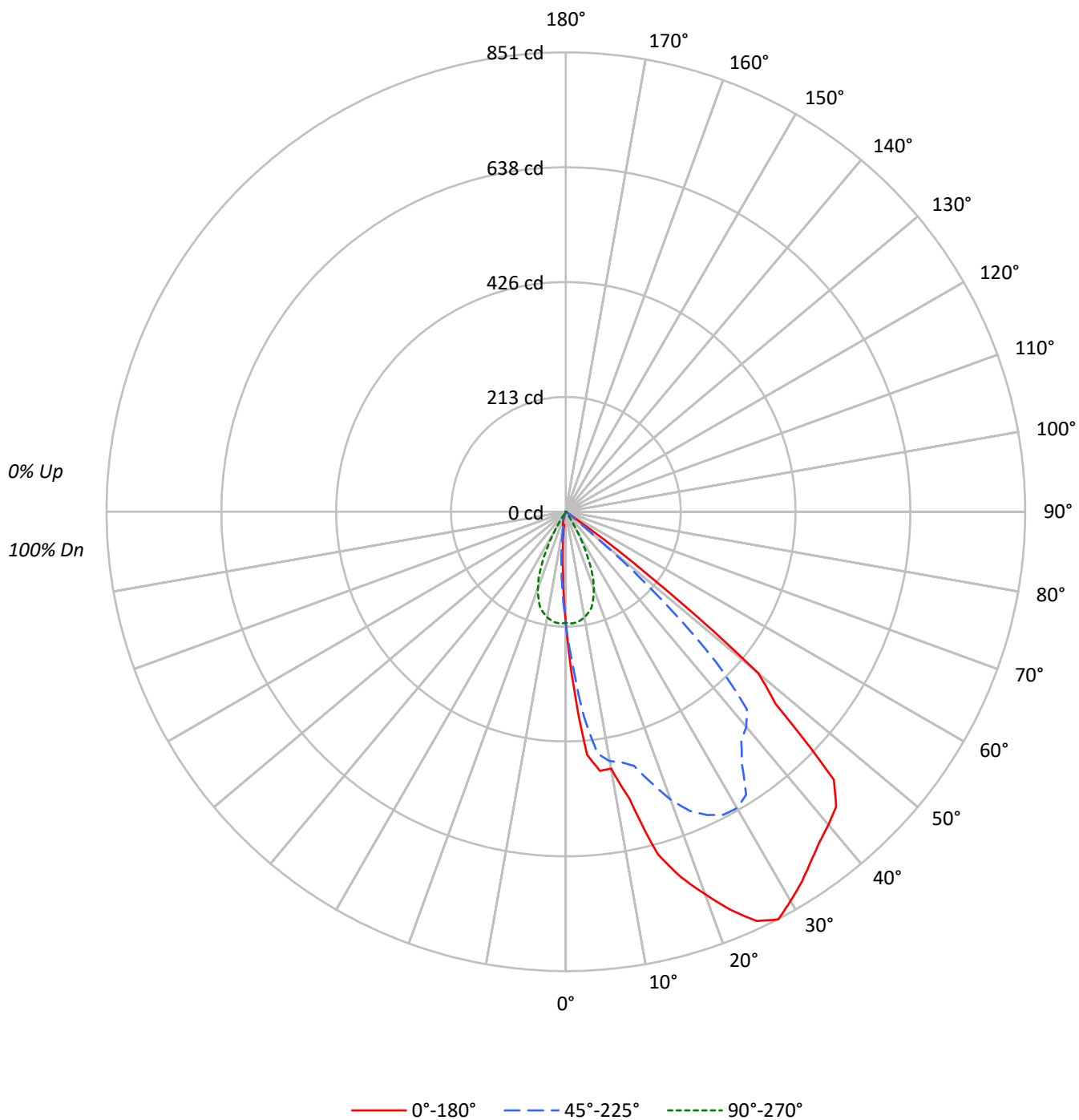
Lumens per Lamp: N/A
Luminaire Lumens: 554.0 lumens
Efficiency: N/A
Efficacy: 49.9 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	35409	35409	35409	35409	35409
5°	78125	65556	35683	16216	10684
10°	84484	82036	34731	4512	4652
15°	116946	86849	32753	4600	3352
20°	138116	104027	27803	2731	1008
25°	158957	117817	19611	437	0
30°	165575	126081	9009	0	0
35°	166346	119503	484	0	0
40°	170144	116884	0	0	0
45°	170979	95768	0	0	0
50°	124829	19907	0	0	0
55°	7056	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: 174218 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	4.1
10°-20°	75.1	13.6
20°-30°	135.0	24.4
30°-40°	164.1	29.6
40°-50°	126.7	22.9
50°-60°	29.5	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°	232.6	42.0
0°-40°	396.8	71.6
0°-60°	553.0	99.8
0°-90°	554.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	554.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	206	206	206	206	206	
5°	452	379	206	94	62	43
15°	656	487	184	26	19	183
25°	836	620	103	2	0	381
35°	791	568	2	0	0	497
45°	702	393	0	0	0	496
55°	24	0	0	0	0	96
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°	205.6	205.6	205.6	205.6	205.6	205.6	205.6	205.6	205.6	205.6	205.6
2.5°	320.5	320.5	322.1	321.3	314.3	311.1	301.0	295.5	294.0	281.4	276.8
5°	451.9	452.7	448.7	448.0	440.1	434.7	426.1	412.8	399.5	379.2	361.2
7.5°	483.9	483.1	482.4	482.4	480.8	477.7	473.8	469.9	464.4	451.9	437.8
10°	483.1	483.1	482.4	482.4	481.6	482.4	481.6	479.2	476.9	469.1	461.3
12.5°	544.1	539.4	533.2	523.8	508.2	496.4	483.1	479.2	477.7	475.3	470.6
15°	655.9	652.0	638.7	622.3	606.7	580.1	559.0	530.0	507.4	487.1	476.9
17.5°	709.9	712.2	697.3	687.2	672.3	651.2	626.2	596.5	564.4	526.1	495.7
20°	753.6	756.0	743.5	733.3	716.1	694.2	672.3	640.3	609.8	567.6	527.7
22.5°	798.2	799.8	788.0	773.2	753.6	731.0	702.8	670.0	637.2	599.6	557.4
25°	836.5	834.9	815.4	794.3	775.5	751.3	723.9	691.9	660.6	620.0	580.1
27.5°	851.4	850.6	828.7	808.4	786.5	753.6	729.4	701.3	668.4	632.5	591.8
30°	832.6	845.1	831.0	816.2	789.6	756.8	733.3	699.7	669.2	634.0	587.9
32.5°	813.1	828.7	824.0	817.0	785.7	759.9	729.4	698.1	662.2	621.5	551.2
35°	791.2	807.6	808.4	800.5	772.4	746.6	718.5	685.6	645.0	568.4	516.8
37.5°	771.6	787.3	791.9	775.5	753.6	719.2	693.4	659.0	585.6	534.0	507.4
40°	756.8	768.5	775.5	749.7	727.8	694.2	664.5	604.3	537.9	519.9	482.4
42.5°	741.1	752.1	755.2	727.1	693.4	661.4	618.4	542.6	523.0	496.4	395.6
45°	702.0	715.3	707.5	680.2	655.1	621.5	557.4	524.6	503.5	393.2	243.1
47.5°	526.9	541.8	562.9	570.7	579.3	555.1	519.9	508.2	413.6	238.4	75.8
50°	465.9	463.6	463.6	467.5	474.5	482.4	492.5	428.4	248.6	74.3	0.0
52.5°	190.0	199.4	245.5	286.9	334.6	382.3	397.1	262.7	96.9	1.6	0.0
55°	23.5	23.5	32.8	56.3	93.0	150.1	168.9	84.4	7.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.8	6.3	17.2	11.7	3.1	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°	205.6	205.6	205.6	205.6	205.6	205.6	205.6	205.6
2.5°	268.9	259.6	246.3	207.2	173.6	143.8	126.6	118.0
5°	344.0	321.3	290.8	206.4	140.7	93.8	70.4	61.8
7.5°	415.9	390.1	338.5	203.3	107.9	54.7	30.5	24.2
10°	447.2	428.4	382.3	198.6	78.2	25.8	25.8	26.6
12.5°	459.7	445.6	408.1	191.5	51.6	25.0	26.6	25.0
15°	468.3	455.0	420.6	183.7	29.7	25.8	21.1	18.8
17.5°	473.0	457.3	424.5	168.9	19.5	21.9	13.3	10.9
20°	487.8	462.8	427.6	151.7	18.8	14.9	7.0	5.5
22.5°	512.8	473.8	428.4	130.6	14.9	8.6	2.3	0.0
25°	535.5	488.6	430.8	103.2	4.7	2.3	0.0	0.0
27.5°	546.5	493.3	430.0	72.7	0.0	0.0	0.0	0.0
30°	533.2	481.6	422.9	45.3	0.0	0.0	0.0	0.0
32.5°	501.9	473.0	401.1	19.5	0.0	0.0	0.0	0.0
35°	491.7	454.2	351.0	2.3	0.0	0.0	0.0	0.0
37.5°	469.1	400.3	258.0	0.0	0.0	0.0	0.0	0.0
40°	403.4	289.3	122.7	0.0	0.0	0.0	0.0	0.0
42.5°	266.6	123.5	7.0	0.0	0.0	0.0	0.0	0.0
45°	93.8	7.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.6	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)