

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: P1312955

Luminaire Tested: P3SQAS02R459730DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312955
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R459730DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

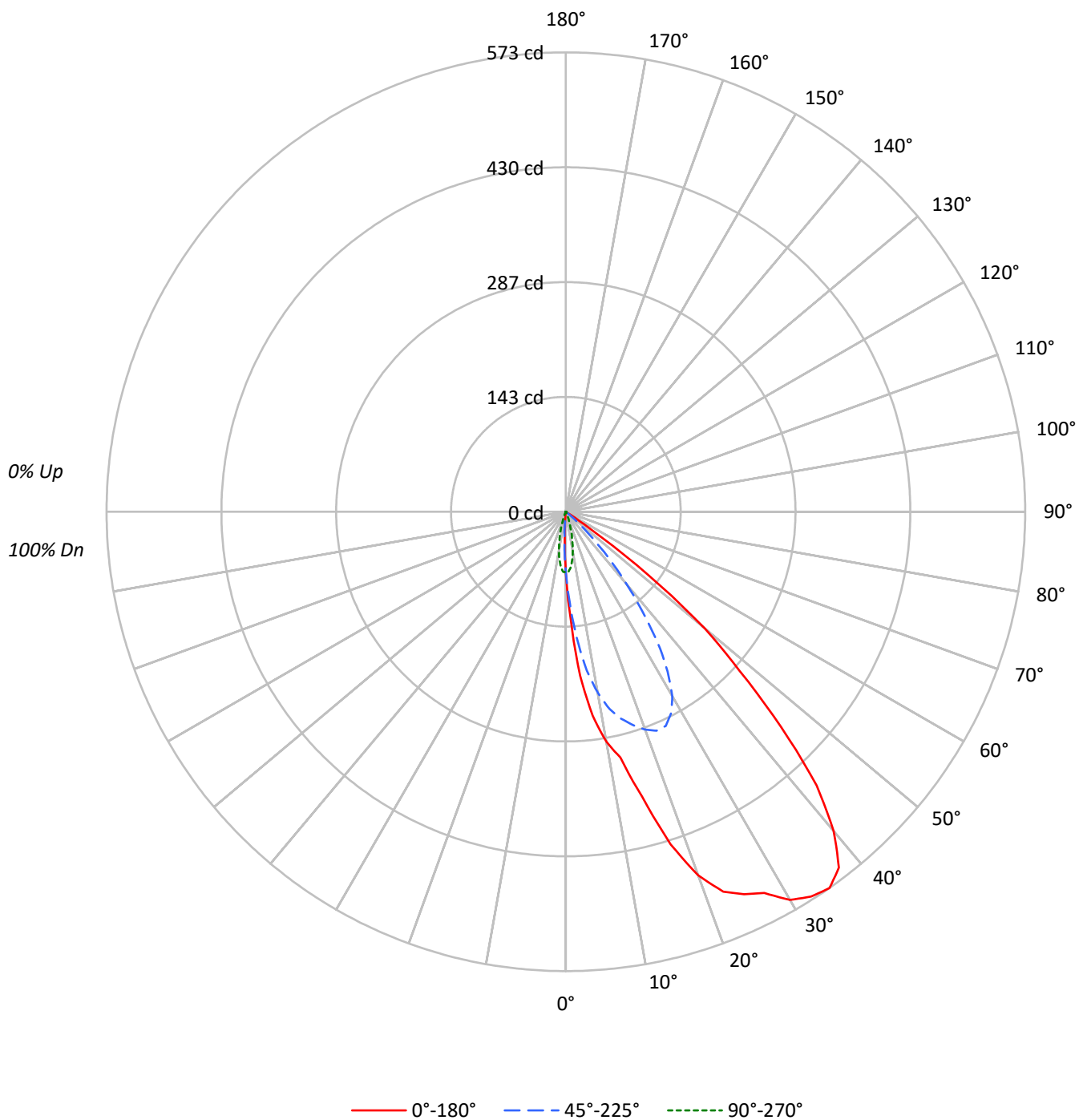
Lumens per Lamp: N/A
Luminaire Lumens: 243.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	93	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	84	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	76	76	74
4	92	83	76	71	90	82	76	71	80	74	70	78	73	69	76	72	68	68	68	67
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	62	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	56	56	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	51	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	46	46	44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	42	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	38	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	13003	13003	13003	13003	13003
5°	35492	27298	12032	2420	899
10°	50960	40047	8692	227	192
15°	65614	47641	4636	71	0
20°	88430	53003	1759	0	0
25°	100011	56001	456	0	0
30°	111166	52799	40	0	0
35°	120512	42091	0	0	0
40°	116817	26439	0	0	0
45°	92601	12592	0	0	0
50°	60606	1581	0	0	0
55°	10419	0	0	0	0
60°	0	0	69	0	0
65°	0	82	82	0	0
70°	0	101	201	0	0
75°	0	133	266	0	0
80°	0	198	397	198	0
85°	0	395	790	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 92601 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	3.7
10°-20°	34.6	14.2
20°-30°	64.8	26.7
30°-40°	75.6	31.1
40°-50°	49.3	20.3
50°-60°	9.2	3.8
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	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°	108.4	44.6
0°-40°	184.0	75.8
0°-60°	242.5	99.8
0°-90°	243.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	243.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	76	76	76	76	76	
5°	205	158	70	14	5	22
15°	368	267	26	0	0	110
25°	526	295	2	0	0	243
35°	573	200	0	0	0	352
45°	380	52	0	0	0	289
55°	35	0	0	0	0	60
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	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°	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
2.5°	133.1	134.1	132.0	131.1	128.3	128.9	124.1	122.1	119.1	114.1	111.7
5°	205.3	203.3	201.5	197.8	195.7	189.8	183.2	175.8	166.9	157.9	147.7
7.5°	256.7	255.2	254.5	251.5	247.1	241.0	232.5	223.1	211.6	199.6	184.1
10°	291.4	289.9	287.3	284.2	280.7	275.7	267.4	257.2	244.5	229.0	210.9
12.5°	314.1	313.9	309.5	306.0	301.7	297.3	288.8	280.5	268.1	252.1	231.6
15°	368.0	364.5	358.8	349.0	336.8	325.4	311.7	298.6	285.1	267.2	244.3
17.5°	435.1	431.2	421.6	409.2	389.6	368.0	344.4	323.7	303.4	279.2	252.1
20°	482.5	481.0	472.9	458.5	437.5	409.0	378.0	348.8	320.2	289.2	255.9
22.5°	512.8	511.9	508.7	498.8	477.5	445.4	405.5	366.2	331.8	295.6	254.8
25°	526.3	527.4	527.8	523.1	505.8	473.1	425.8	379.5	338.3	294.7	246.5
27.5°	535.9	535.9	537.7	535.5	518.0	483.6	433.6	384.1	336.1	284.0	229.0
30°	559.0	558.6	559.7	553.8	529.6	486.8	430.1	376.7	323.7	265.5	203.9
32.5°	569.1	569.5	569.3	559.9	531.8	484.7	421.6	362.5	300.8	236.4	170.8
35°	573.2	571.3	563.2	541.8	506.3	455.7	397.6	338.5	268.7	200.2	134.8
37.5°	559.5	553.8	535.9	506.7	463.3	414.6	357.9	295.6	226.2	157.0	101.4
40°	519.6	512.1	489.7	454.3	414.6	370.8	311.0	245.2	176.9	117.6	71.1
42.5°	463.1	454.6	430.3	399.6	363.4	317.4	257.8	191.9	129.6	81.1	45.2
45°	380.2	375.4	361.4	335.5	299.9	252.1	197.6	140.0	89.6	51.7	23.1
47.5°	294.0	287.9	277.9	260.0	230.3	185.0	138.3	95.1	57.6	25.5	4.8
50°	226.2	219.0	206.8	186.9	156.0	123.5	89.6	59.3	29.2	5.9	0.2
52.5°	130.2	131.7	125.9	113.2	96.0	73.9	51.9	29.9	6.5	0.2	0.0
55°	34.7	37.5	36.6	39.5	34.7	29.2	21.6	5.7	0.4	0.0	0.0
57.5°	0.0	0.0	0.2	0.4	1.3	2.0	0.7	0.2	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
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°	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
2.5°	106.2	101.6	96.0	75.0	56.5	40.6	31.6	29.2
5°	137.9	126.7	112.3	69.6	34.9	14.0	6.3	5.2
7.5°	167.7	151.4	125.4	60.9	17.7	3.5	1.7	1.5
10°	190.9	168.8	135.0	49.7	6.5	1.3	1.1	1.1
12.5°	206.8	179.9	138.5	37.7	2.4	0.7	0.7	0.4
15°	215.9	184.3	135.2	26.0	0.9	0.4	0.0	0.0
17.5°	218.8	182.6	126.5	16.4	0.2	0.0	0.0	0.0
20°	216.4	174.1	112.8	9.6	0.0	0.0	0.0	0.0
22.5°	208.5	160.8	96.2	5.2	0.0	0.0	0.0	0.0
25°	193.9	142.0	76.8	2.4	0.0	0.0	0.0	0.0
27.5°	170.1	117.8	57.8	0.9	0.0	0.0	0.0	0.0
30°	143.1	91.8	41.0	0.2	0.0	0.0	0.0	0.0
32.5°	111.7	67.6	26.4	0.0	0.0	0.0	0.0	0.0
35°	84.0	47.3	15.7	0.0	0.0	0.0	0.0	0.0
37.5°	58.5	29.9	8.3	0.0	0.0	0.0	0.0	0.0
40°	36.4	16.1	2.8	0.0	0.0	0.0	0.0	0.0
42.5°	20.3	5.7	0.2	0.0	0.0	0.0	0.0	0.0
45°	4.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.2	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	0.2	0.0	0.0	0.0	0.0
60°	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0
62.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
65°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
67.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
70°	0.2	0.2	0.2	0.4	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.4	0.4	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.4	0.4	0.2	0.0	0.0	0.0
77.5°	0.2	0.4	0.4	0.4	0.2	0.2	0.0	0.0
80°	0.2	0.4	0.4	0.4	0.4	0.2	0.0	0.0
82.5°	0.2	0.4	0.4	0.4	0.4	0.2	0.0	0.0
85°	0.2	0.4	0.4	0.4	0.2	0.2	0.0	0.0
87.5°	0.2	0.4	0.4	0.4	0.4	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)