

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: P1308688

Luminaire Tested: P3SQAS02R559035DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R559035DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

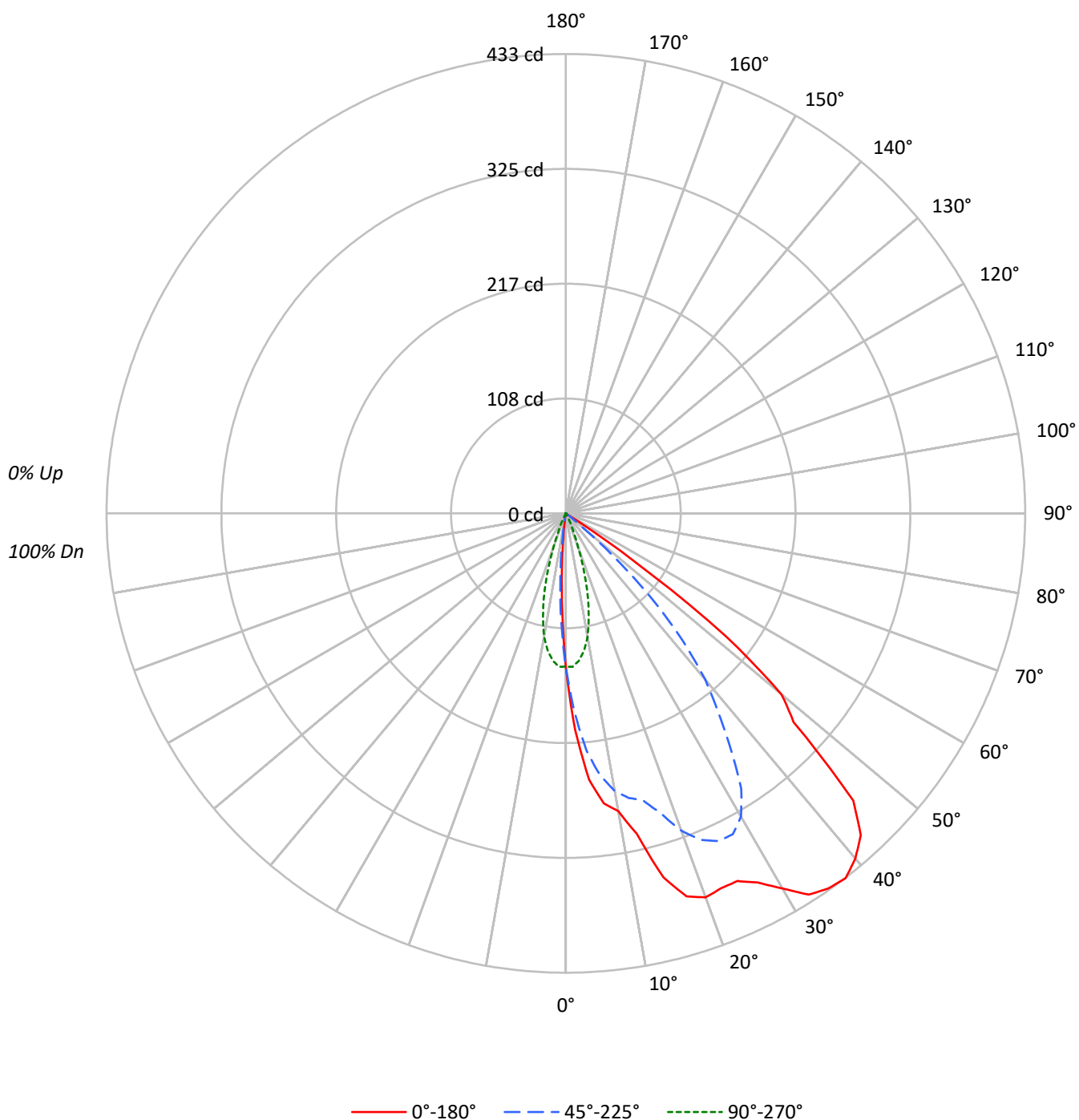
Lumens per Lamp: N/A
Luminaire Lumens: 267.1 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	97	96	96	94	93	93	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	84	84	82
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	75	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	68	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	61	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	63	59	55	55	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	50	50	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	45	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	41	41	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	24852	24852	24852	24852	24852
5°	43549	38829	24117	10027	5774
10°	49841	46465	20618	1102	402
15°	63349	49888	14139	232	143
20°	70598	58355	6213	0	0
25°	72666	64742	1767	0	0
30°	81177	65626	259	0	0
35°	90742	56976	0	0	0
40°	95436	45863	0	0	0
45°	93308	28959	0	0	0
50°	71055	5921	0	0	0
55°	23270	0	0	0	0
60°	0	0	0	0	0
65°	0	122	122	0	0
70°	0	151	151	0	0
75°	0	200	200	0	0
80°	0	298	496	298	0
85°	0	593	593	593	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 93308 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	4.9
10°-20°	38.6	14.5
20°-30°	62.8	23.5
30°-40°	74.7	28.0
40°-50°	61.1	22.9
50°-60°	16.2	6.1
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°	114.6	42.9
0°-40°	189.3	70.9
0°-60°	266.5	99.8
0°-90°	267.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	267.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	144	144	144	144	144	
5°	252	225	140	58	33	25
15°	355	280	79	1	1	99
25°	382	341	9	0	0	180
35°	432	271	0	0	0	268
45°	383	119	0	0	0	275
55°	78	0	0	0	0	87
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°	67.5°
0°	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3
2.5°	204.7	203.2	203.5	202.7	203.5	200.2	196.7	193.5	190.9	187.4	166.1
5°	251.9	249.4	248.7	247.7	246.6	242.6	239.4	235.4	230.6	224.6	185.4
7.5°	275.8	273.7	272.7	273.2	271.0	269.5	265.2	260.7	255.7	249.2	200.0
10°	285.0	283.0	282.8	282.5	282.3	281.3	279.3	275.3	270.7	265.7	208.3
12.5°	309.4	304.9	301.8	298.3	294.1	288.6	284.0	280.5	278.8	274.8	212.0
15°	355.3	351.0	347.8	343.2	335.2	323.4	312.6	298.8	286.8	279.8	210.5
17.5°	378.4	376.4	373.6	370.6	365.1	356.5	345.5	331.0	315.6	295.8	203.2
20°	385.2	384.1	382.1	380.9	377.1	371.1	363.6	352.3	338.0	318.4	191.9
22.5°	382.4	383.1	384.1	387.4	387.9	383.6	376.6	365.8	351.3	333.2	174.6
25°	382.4	381.9	381.9	388.7	392.9	390.9	385.9	376.1	361.3	340.7	153.3
27.5°	392.2	389.2	382.9	389.9	396.9	396.2	391.7	380.1	363.6	341.0	127.2
30°	408.2	401.7	391.4	397.9	404.5	401.7	394.4	379.6	358.6	330.0	95.3
32.5°	426.1	423.0	417.8	422.0	421.0	410.0	396.9	376.4	348.3	307.9	64.2
35°	431.6	432.1	428.6	427.8	422.0	410.7	396.9	367.1	326.7	271.0	38.1
37.5°	433.3	433.6	428.1	421.0	412.5	399.2	382.6	348.0	286.8	235.4	20.3
40°	424.5	424.3	415.3	406.7	397.2	384.1	360.1	307.9	248.9	204.0	7.3
42.5°	411.5	408.2	399.7	389.2	377.6	361.3	323.7	259.9	216.3	163.3	0.5
45°	383.1	380.1	373.4	362.1	349.3	326.2	266.7	223.3	175.9	118.9	0.0
47.5°	291.3	289.8	296.8	298.3	298.1	271.7	222.6	182.2	129.2	69.3	0.0
50°	265.2	263.2	256.2	247.1	231.1	209.0	178.4	135.0	75.8	22.1	0.0
52.5°	190.4	197.0	198.5	191.7	176.6	154.8	122.9	77.8	26.3	0.0	0.0
55°	77.5	73.5	76.5	80.3	83.3	76.5	56.7	27.6	0.3	0.0	0.0
57.5°	0.0	0.3	1.5	3.5	5.8	7.3	7.8	0.5	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	0.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.3	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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):

	90°	112.5°	135°	157.5°	180°
0°	144.3	144.3	144.3	144.3	144.3
2.5°	144.8	122.4	100.9	89.1	83.3
5°	139.5	93.6	58.0	40.1	33.4
7.5°	130.7	64.2	23.1	9.5	6.8
10°	117.9	36.9	6.3	2.5	2.3
12.5°	99.6	16.8	2.3	1.8	1.8
15°	79.3	5.8	1.3	1.0	0.8
17.5°	55.7	1.5	0.5	0.0	0.0
20°	33.9	0.3	0.0	0.0	0.0
22.5°	18.8	0.0	0.0	0.0	0.0
25°	9.3	0.0	0.0	0.0	0.0
27.5°	4.0	0.0	0.0	0.0	0.0
30°	1.3	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.3	0.0	0.0	0.0	0.0
65°	0.3	0.3	0.0	0.0	0.0
67.5°	0.3	0.3	0.0	0.0	0.0
70°	0.3	0.3	0.0	0.0	0.0
72.5°	0.3	0.3	0.0	0.0	0.0
75°	0.3	0.3	0.0	0.0	0.0
77.5°	0.5	0.3	0.3	0.0	0.0
80°	0.5	0.3	0.3	0.0	0.0
82.5°	0.5	0.3	0.3	0.0	0.0
85°	0.3	0.3	0.3	0.0	0.0
87.5°	0.5	0.3	0.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)