

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: P1312957

Luminaire Tested: P3SQAS02R459730DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R459730DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

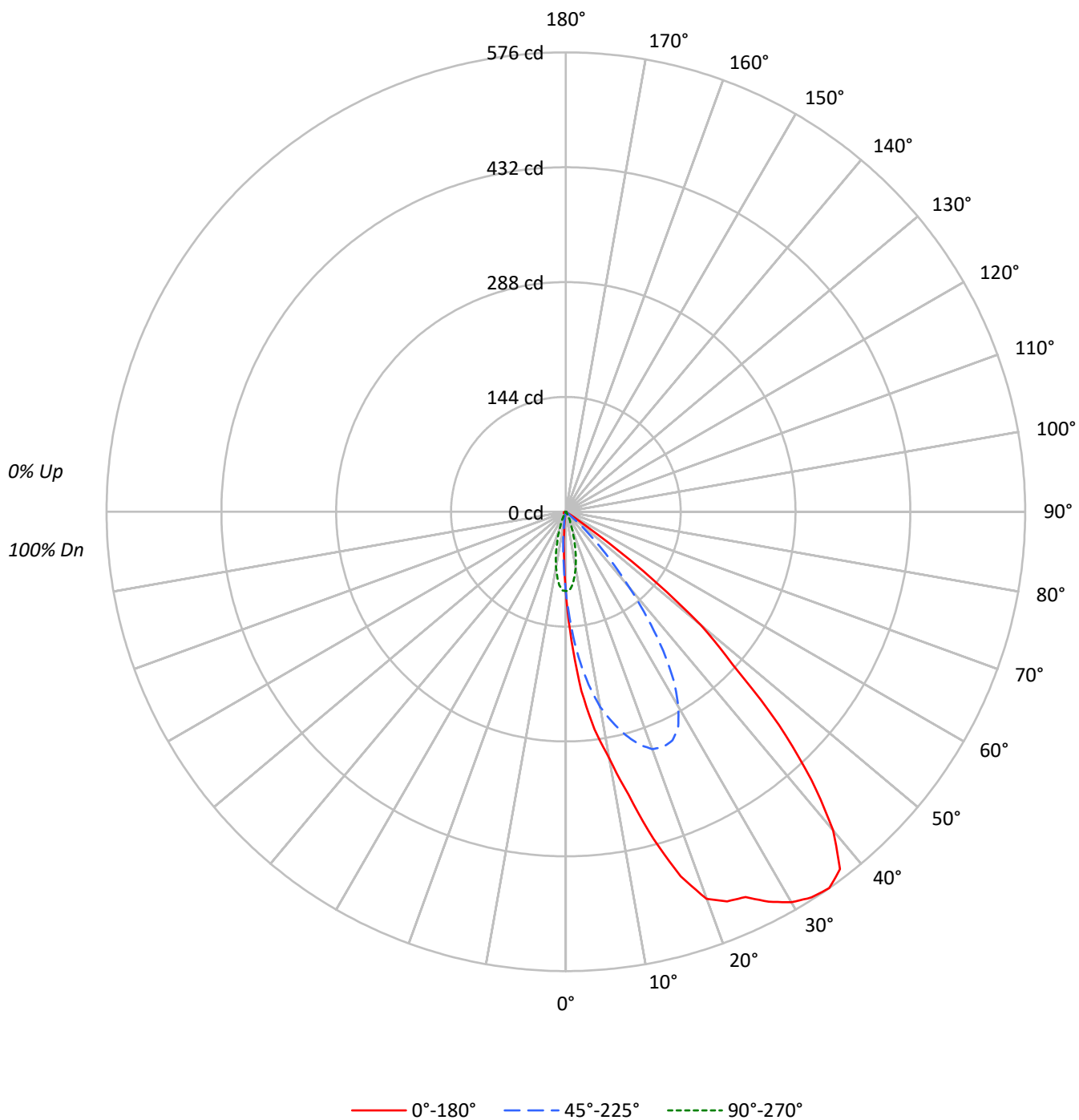
Lumens per Lamp: N/A
Luminaire Lumens: 261.0 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	84	84	82
3	99	91	85	80	96	89	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	77	73	69	76	72	68	68	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	62	62	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	56	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	51	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	46	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	17102	17102	17102	17102	17102
5°	38985	31620	15991	6414	4374
10°	54930	43440	12364	1417	647
15°	75688	51689	7899	464	392
20°	94643	58043	4124	312	312
25°	101284	60105	1900	247	285
30°	112419	56120	875	259	298
35°	121101	44740	273	273	357
40°	117177	27720	157	337	450
45°	92017	13079	170	414	536
50°	59132	1527	241	536	697
55°	8978	120	270	661	841
60°	138	138	310	758	896
65°	163	163	367	815	1060
70°	201	201	453	856	1209
75°	133	266	599	998	1331
80°	198	397	694	1091	1488
85°	0	395	790	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 92017 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	4.2
10°-20°	39.3	15.1
20°-30°	69.0	26.5
30°-40°	78.4	30.0
40°-50°	50.8	19.5
50°-60°	10.0	3.8
60°-70°	1.2	0.5
70°-80°	1.0	0.4
80°-90°	0.5	0.2
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°	119.2	45.7
0°-40°	197.6	75.7
0°-60°	258.3	99.0
0°-90°	261.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	261.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	99	99	99	99	99	
5°	226	183	92	37	25	24
15°	424	290	44	3	2	122
25°	533	316	10	1	2	250
35°	576	213	1	1	2	354
45°	378	54	1	2	2	285
55°	30	0	1	2	3	57
65°	0	0	1	2	3	0
75°	0	0	1	2	2	0
85°	0	0	0	1	1	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°	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2.5°	161.3	160.9	161.5	157.2	156.9	153.7	152.8	149.1	144.1	141.7	136.0
5°	225.5	223.3	223.3	218.1	216.3	212.6	206.3	198.4	191.9	182.9	173.3
7.5°	275.0	274.6	274.6	270.0	265.6	260.4	251.9	242.9	232.5	218.7	204.7
10°	314.1	314.8	312.8	308.6	302.3	296.6	286.6	275.7	262.8	248.4	229.8
12.5°	363.4	358.6	357.1	347.7	339.6	328.7	316.7	304.3	288.3	270.2	249.3
15°	424.5	418.4	412.3	399.9	386.3	369.5	350.8	332.4	311.9	289.9	263.7
17.5°	479.1	479.1	471.0	451.4	433.9	409.0	383.7	359.3	335.1	306.0	273.3
20°	516.4	514.5	508.4	494.0	474.1	445.9	413.0	378.7	349.5	316.7	278.7
22.5°	528.7	528.2	528.4	519.9	504.0	474.8	434.4	394.0	357.3	319.3	276.1
25°	533.0	533.9	536.1	532.8	520.8	491.6	447.5	401.2	359.7	316.3	266.1
27.5°	551.1	549.4	551.8	549.6	536.1	501.2	450.1	399.4	354.5	305.2	248.2
30°	565.3	564.9	569.0	567.1	549.4	507.3	447.7	392.9	341.6	282.2	220.0
32.5°	573.4	573.6	574.7	566.6	540.5	494.0	435.9	379.6	317.4	252.3	183.4
35°	576.0	574.7	568.6	548.7	512.9	463.2	406.9	347.9	284.4	212.8	144.9
37.5°	564.7	557.9	542.2	512.5	471.0	424.5	369.8	308.0	239.2	168.1	108.0
40°	521.2	512.3	492.4	462.1	423.5	378.5	322.4	257.8	185.5	123.3	76.0
42.5°	456.2	451.6	430.9	404.5	371.7	326.3	268.5	203.0	137.3	85.1	48.5
45°	377.8	371.9	358.8	335.5	309.7	262.1	208.2	145.4	93.6	53.7	24.0
47.5°	283.3	283.8	274.8	257.1	231.8	192.1	142.5	97.6	58.7	27.7	5.5
50°	220.7	217.6	205.0	186.8	157.4	127.9	92.1	61.6	31.0	5.7	0.4
52.5°	122.2	124.2	117.4	111.5	96.3	76.4	54.4	31.2	6.5	0.7	0.4
55°	29.9	31.7	30.3	31.0	32.1	28.6	22.0	6.1	0.7	0.4	0.4
57.5°	0.7	0.7	0.7	0.7	1.1	1.5	1.5	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
82.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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°	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2.5°	133.1	129.0	121.4	98.7	79.2	64.0	54.8	53.9
5°	164.8	153.7	137.5	92.5	58.5	37.1	26.8	25.3
7.5°	189.9	174.2	149.3	82.5	39.9	19.0	10.5	8.7
10°	210.6	188.4	155.4	70.7	25.1	8.1	4.4	3.7
12.5°	224.8	198.0	156.5	57.6	14.4	3.9	2.8	2.6
15°	234.0	201.0	151.3	44.3	8.1	2.6	2.4	2.2
17.5°	237.7	198.4	141.2	32.1	4.4	2.0	2.0	2.0
20°	236.0	189.9	126.4	22.5	2.8	1.7	1.7	1.7
22.5°	227.7	175.3	107.8	15.1	2.0	1.5	1.5	1.5
25°	211.3	155.4	88.2	10.0	1.3	1.3	1.5	1.5
27.5°	186.8	131.0	67.4	6.8	1.1	1.3	1.5	1.5
30°	156.1	103.7	48.5	4.4	1.1	1.3	1.3	1.5
32.5°	124.0	75.5	31.9	2.6	0.9	1.3	1.5	1.7
35°	89.9	51.5	20.3	1.3	1.1	1.3	1.5	1.7
37.5°	63.1	33.6	11.8	0.9	1.1	1.3	1.7	1.7
40°	41.0	18.8	4.4	0.7	1.1	1.5	1.7	2.0
42.5°	21.4	6.5	0.9	0.7	1.1	1.5	2.0	2.2
45°	5.5	0.9	0.2	0.7	1.3	1.7	2.2	2.2
47.5°	0.7	0.2	0.2	0.9	1.3	2.0	2.2	2.4
50°	0.2	0.4	0.4	0.9	1.3	2.0	2.4	2.6
52.5°	0.4	0.4	0.4	0.9	1.5	2.0	2.6	2.8
55°	0.4	0.4	0.4	0.9	1.5	2.2	2.6	2.8
57.5°	0.4	0.4	0.4	0.9	1.5	2.2	2.6	2.6
60°	0.4	0.4	0.4	0.9	1.5	2.2	2.6	2.6
62.5°	0.4	0.4	0.7	0.9	1.5	2.0	2.6	2.6
65°	0.4	0.7	0.7	0.9	1.5	2.0	2.4	2.6
67.5°	0.4	0.4	0.7	0.9	1.5	2.0	2.4	2.6
70°	0.4	0.4	0.7	0.9	1.3	1.7	2.2	2.4
72.5°	0.4	0.4	0.7	0.9	1.3	1.7	2.0	2.2
75°	0.4	0.4	0.7	0.9	1.1	1.5	2.0	2.0
77.5°	0.4	0.4	0.7	0.7	1.1	1.3	1.7	1.7
80°	0.4	0.4	0.7	0.7	0.9	1.1	1.3	1.5
82.5°	0.4	0.4	0.4	0.7	0.7	0.9	1.1	1.1
85°	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7
87.5°	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)