

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: P1317634

Luminaire Tested: P3SQAS02R709835DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317634
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: P3SQAS02R709835DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

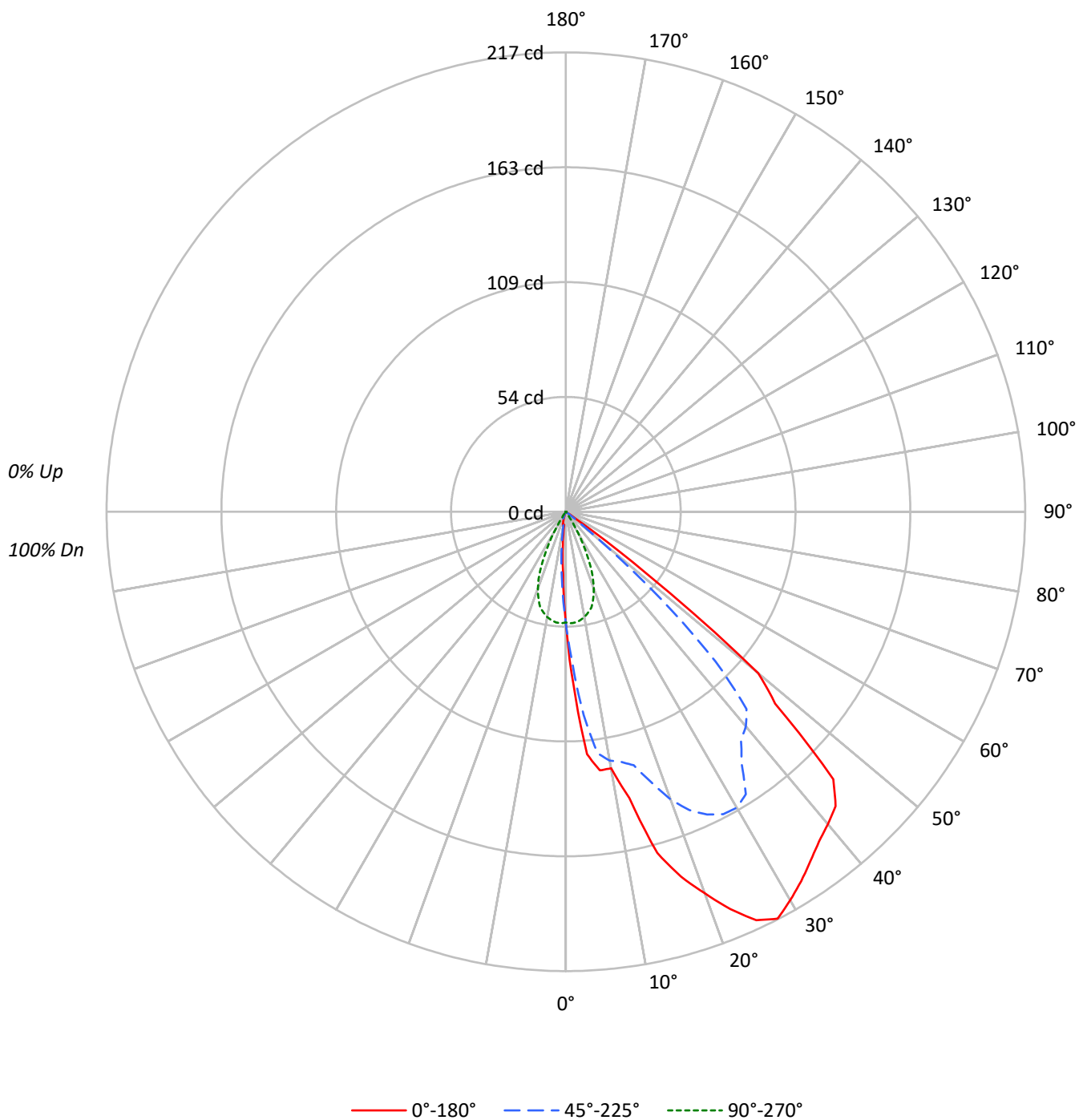
Lumens per Lamp: N/A
Luminaire Lumens: 141.0 lumens
Efficiency: N/A
Efficacy: 39.2 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	103	110	107	104	102	103	101	99	99	97	96	96	94	93	93	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	84	84	82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	75	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	66
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	61	61	59
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	55	55	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	49	49	48
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	45	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	41	41	39
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	37	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9007	9007	9007	9007	9007
5°	19881	16683	9076	4132	2714
10°	21510	20881	8831	1154	1189
15°	29758	22109	8344	1177	856
20°	35152	26483	7074	696	257
25°	40457	29986	4998	114	0
30°	42140	32097	2287	0	0
35°	42343	30422	126	0	0
40°	43300	29744	0	0	0
45°	43524	24380	0	0	0
50°	31777	5064	0	0	0
55°	1802	0	0	0	0
60°	0	69	69	0	0
65°	0	0	82	0	0
70°	0	101	101	0	0
75°	0	133	133	0	0
80°	0	198	198	198	0
85°	0	395	395	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 44352 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	4.1
10°-20°	19.1	13.6
20°-30°	34.4	24.4
30°-40°	41.8	29.6
40°-50°	32.3	22.9
50°-60°	7.5	5.3
60°-70°	0.0	0.0
70°-80°	0.1	0.1
80°-90°	0.1	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°	59.2	42.0
0°-40°	101.0	71.6
0°-60°	140.7	99.8
0°-90°	141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	141.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	52	52	52	52	52	
5°	115	96	52	24	16	11
15°	167	124	47	7	5	47
25°	213	158	26	1	0	97
35°	201	145	1	0	0	126
45°	179	100	0	0	0	126
55°	6	0	0	0	0	25
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°	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
2.5°	81.6	81.6	82.0	81.8	80.0	79.2	76.6	75.2	74.8	71.6	70.4
5°	115.0	115.2	114.2	114.0	112.0	110.6	108.4	105.1	101.7	96.5	91.9
7.5°	123.2	123.0	122.8	122.8	122.4	121.6	120.6	119.6	118.2	115.0	111.4
10°	123.0	123.0	122.8	122.8	122.6	122.8	122.6	122.0	121.4	119.4	117.4
12.5°	138.5	137.3	135.7	133.3	129.3	126.3	123.0	122.0	121.6	121.0	119.8
15°	166.9	165.9	162.6	158.4	154.4	147.6	142.3	134.9	129.1	124.0	121.4
17.5°	180.7	181.3	177.5	174.9	171.1	165.7	159.4	151.8	143.7	133.9	126.1
20°	191.8	192.4	189.2	186.6	182.3	176.7	171.1	163.0	155.2	144.5	134.3
22.5°	203.2	203.5	200.6	196.8	191.8	186.0	178.9	170.5	162.2	152.6	141.9
25°	212.9	212.5	207.5	202.2	197.4	191.2	184.2	176.1	168.1	157.8	147.6
27.5°	216.7	216.5	210.9	205.7	200.2	191.8	185.6	178.5	170.1	161.0	150.6
30°	211.9	215.1	211.5	207.7	201.0	192.6	186.6	178.1	170.3	161.4	149.6
32.5°	206.9	210.9	209.7	207.9	200.0	193.4	185.6	177.7	168.5	158.2	140.3
35°	201.4	205.5	205.7	203.7	196.6	190.0	182.9	174.5	164.2	144.7	131.5
37.5°	196.4	200.4	201.6	197.4	191.8	183.1	176.5	167.7	149.0	135.9	129.1
40°	192.6	195.6	197.4	190.8	185.2	176.7	169.1	153.8	136.9	132.3	122.8
42.5°	188.6	191.4	192.2	185.0	176.5	168.3	157.4	138.1	133.1	126.3	100.7
45°	178.7	182.1	180.1	173.1	166.7	158.2	141.9	133.5	128.1	100.1	61.9
47.5°	134.1	137.9	143.3	145.3	147.4	141.3	132.3	129.3	105.3	60.7	19.3
50°	118.6	118.0	118.0	119.0	120.8	122.8	125.4	109.0	63.3	18.9	0.0
52.5°	48.4	50.7	62.5	73.0	85.2	97.3	101.1	66.9	24.7	0.4	0.0
55°	6.0	6.0	8.4	14.3	23.7	38.2	43.0	21.5	1.8	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	1.6	4.4	3.0	0.8	0.2	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
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	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.2	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
2.5°	68.4	66.1	62.7	52.7	44.2	36.6	32.2	30.0
5°	87.5	81.8	74.0	52.5	35.8	23.9	17.9	15.7
7.5°	105.9	99.3	86.2	51.7	27.5	13.9	7.8	6.2
10°	113.8	109.0	97.3	50.5	19.9	6.6	6.6	6.8
12.5°	117.0	113.4	103.9	48.7	13.1	6.4	6.8	6.4
15°	119.2	115.8	107.0	46.8	7.6	6.6	5.4	4.8
17.5°	120.4	116.4	108.0	43.0	5.0	5.6	3.4	2.8
20°	124.2	117.8	108.8	38.6	4.8	3.8	1.8	1.4
22.5°	130.5	120.6	109.0	33.2	3.8	2.2	0.6	0.0
25°	136.3	124.4	109.6	26.3	1.2	0.6	0.0	0.0
27.5°	139.1	125.6	109.4	18.5	0.0	0.0	0.0	0.0
30°	135.7	122.6	107.6	11.5	0.0	0.0	0.0	0.0
32.5°	127.7	120.4	102.1	5.0	0.0	0.0	0.0	0.0
35°	125.2	115.6	89.3	0.6	0.0	0.0	0.0	0.0
37.5°	119.4	101.9	65.7	0.0	0.0	0.0	0.0	0.0
40°	102.7	73.6	31.2	0.0	0.0	0.0	0.0	0.0
42.5°	67.8	31.4	1.8	0.0	0.0	0.0	0.0	0.0
45°	23.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.4	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°	0.2	0.2	0.2	0.2	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	0.2	0.2	0.0	0.0	0.0	0.0
67.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
70°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
77.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	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)