

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: P1315869

Luminaire Tested: P3SQAS02R609827DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315869
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R609827DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

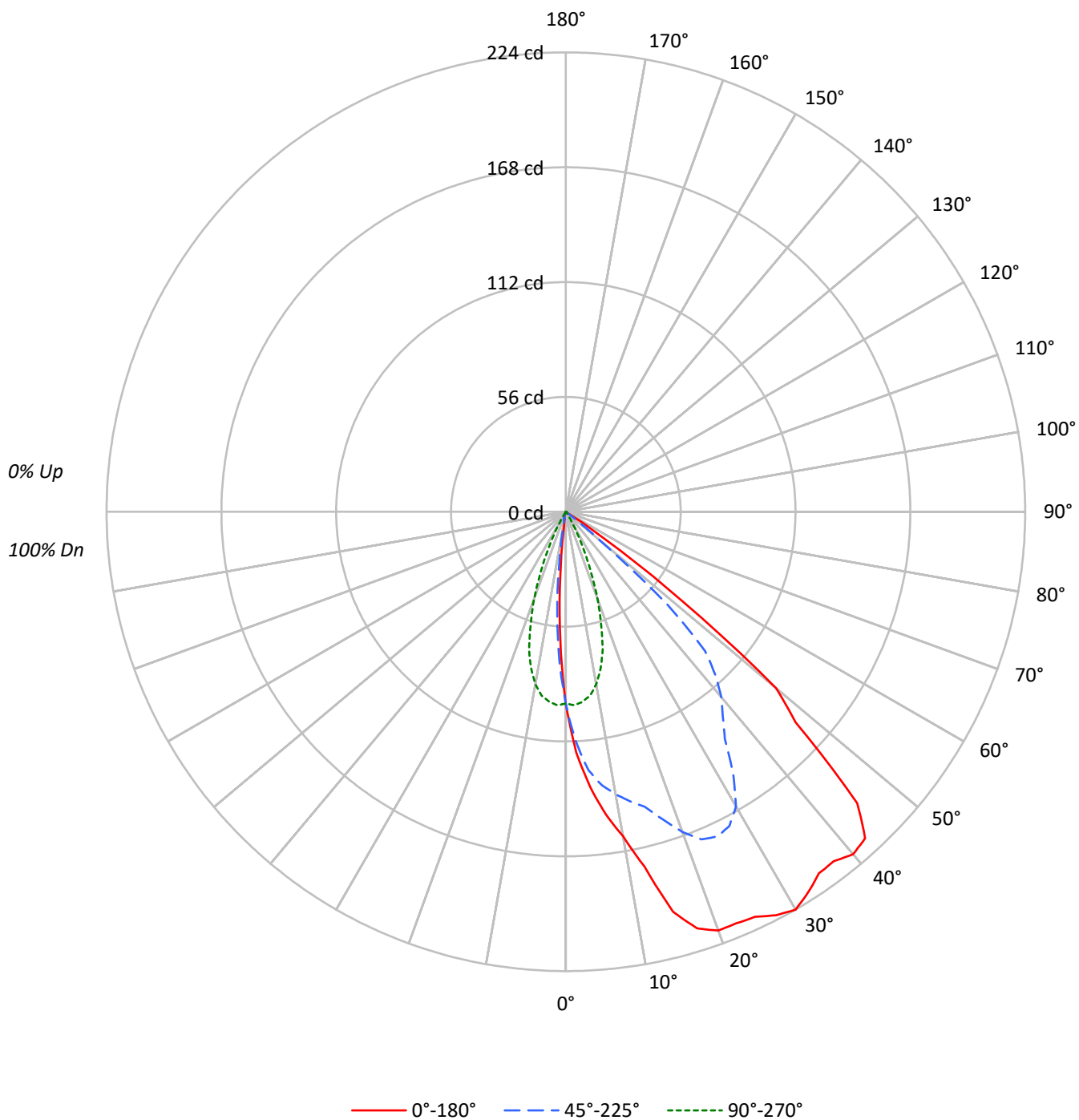
Lumens per Lamp: N/A
Luminaire Lumens: 152.1 lumens
Efficiency: N/A
Efficacy: 42.2 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	16103	16103	16103	16103	16103
5°	23218	21869	16078	8281	5325
10°	28086	24448	14935	997	577
15°	35998	26549	12374	660	535
20°	39826	30442	8302	367	55
25°	41426	33198	4086	38	0
30°	44546	32992	1134	0	0
35°	45245	28404	0	0	0
40°	49011	26484	0	0	0
45°	48955	23382	0	0	0
50°	35849	5653	0	0	0
55°	6996	0	0	0	0
60°	0	0	0	0	0
65°	0	82	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: 49053 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	5.3
10°-20°	22.9	15.0
20°-30°	36.4	24.0
30°-40°	42.1	27.7
40°-50°	33.5	22.0
50°-60°	8.8	5.8
60°-70°	0.1	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°	67.4	44.3
0°-40°	109.5	72.0
0°-60°	151.8	99.8
0°-90°	152.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	152.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	94	94	94	94	94	
5°	134	126	93	48	31	14
15°	202	149	69	4	3	56
25°	218	175	22	0	0	102
35°	215	135	0	0	0	137
45°	201	96	0	0	0	143
55°	23	0	0	0	0	35
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°	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
2.5°	117.6	118.8	118.3	117.8	116.7	116.2	116.2	114.8	112.7	112.3	110.8
5°	134.3	134.6	134.6	134.3	133.5	132.1	131.8	130.5	128.5	126.5	124.5
7.5°	148.8	148.6	147.6	146.9	145.4	143.6	141.9	140.1	137.1	134.5	131.6
10°	160.6	161.1	160.2	158.6	156.6	154.1	151.4	148.3	143.8	139.8	136.1
12.5°	177.2	177.1	174.9	172.1	167.2	162.6	158.4	154.9	149.4	144.6	140.1
15°	201.9	201.5	199.5	197.0	190.0	183.0	175.9	166.1	156.9	148.9	142.6
17.5°	213.0	213.7	212.0	210.7	206.7	202.0	195.7	185.9	171.7	157.3	143.9
20°	217.3	218.2	217.0	216.8	215.0	212.8	207.7	197.0	183.2	166.1	149.6
22.5°	217.2	217.8	217.3	219.5	221.7	220.5	214.2	203.5	189.4	172.9	154.3
25°	218.0	217.5	215.7	218.8	222.0	221.0	217.8	208.7	193.2	174.7	155.9
27.5°	221.8	218.2	214.5	218.5	220.0	220.3	218.5	207.7	192.5	172.7	152.6
30°	224.0	220.0	217.0	220.3	220.3	222.2	218.3	206.0	186.9	165.9	143.8
32.5°	220.0	219.2	221.8	225.1	226.0	226.0	217.5	200.5	177.4	151.9	129.6
35°	215.2	217.2	224.8	226.3	226.3	222.7	212.3	190.9	163.2	135.1	119.1
37.5°	214.7	217.8	226.3	224.5	221.5	214.7	199.7	174.1	143.1	125.6	111.3
40°	218.0	221.0	226.0	219.3	212.2	201.5	183.5	152.1	131.0	117.8	101.8
42.5°	216.0	218.8	219.0	209.2	199.0	184.5	160.7	134.3	122.1	107.8	91.0
45°	201.0	201.4	200.7	190.2	179.7	164.7	139.4	125.5	112.5	96.0	66.9
47.5°	151.9	151.3	153.8	150.8	151.3	142.3	126.6	115.2	99.7	67.4	20.3
50°	133.8	133.0	130.5	127.8	125.1	120.8	113.5	101.2	71.9	21.1	0.7
52.5°	71.7	75.7	83.5	95.5	100.0	99.7	94.2	74.9	22.6	0.2	0.0
55°	23.3	23.0	25.6	30.3	41.6	47.9	49.9	25.5	0.5	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	1.7	4.3	5.7	0.3	0.0	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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	0.2	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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	0.2	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°	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
2.5°	108.8	106.5	103.8	94.4	83.2	72.4	64.6	62.6
5°	121.3	117.3	111.7	93.0	68.7	47.9	34.3	30.8
7.5°	127.8	124.3	118.3	90.4	53.2	23.6	8.8	6.0
10°	131.8	127.6	121.0	85.4	34.8	5.7	3.2	3.3
12.5°	134.6	129.8	122.3	78.2	17.6	2.8	4.0	4.2
15°	135.8	130.6	122.1	69.4	6.3	3.7	3.5	3.0
17.5°	135.1	128.6	120.0	56.7	2.2	3.5	1.8	1.5
20°	134.3	127.0	116.5	45.3	1.8	2.0	0.7	0.3
22.5°	137.0	124.1	111.7	32.4	1.8	0.7	0.0	0.0
25°	137.3	123.0	105.5	21.5	0.8	0.2	0.0	0.0
27.5°	134.0	116.2	96.0	12.6	0.0	0.0	0.0	0.0
30°	123.3	107.7	85.9	5.7	0.0	0.0	0.0	0.0
32.5°	112.8	98.2	74.5	1.3	0.0	0.0	0.0	0.0
35°	104.5	88.4	62.1	0.0	0.0	0.0	0.0	0.0
37.5°	94.2	76.7	46.3	0.0	0.0	0.0	0.0	0.0
40°	83.4	61.9	23.1	0.0	0.0	0.0	0.0	0.0
42.5°	65.1	29.5	2.3	0.0	0.0	0.0	0.0	0.0
45°	25.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.3	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	0.0	0.0	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	0.0	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	0.2	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	0.0	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	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)