

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: P1306462

Luminaire Tested: P3SQAS02R609027DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306462
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: P3SQAS02R609027DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

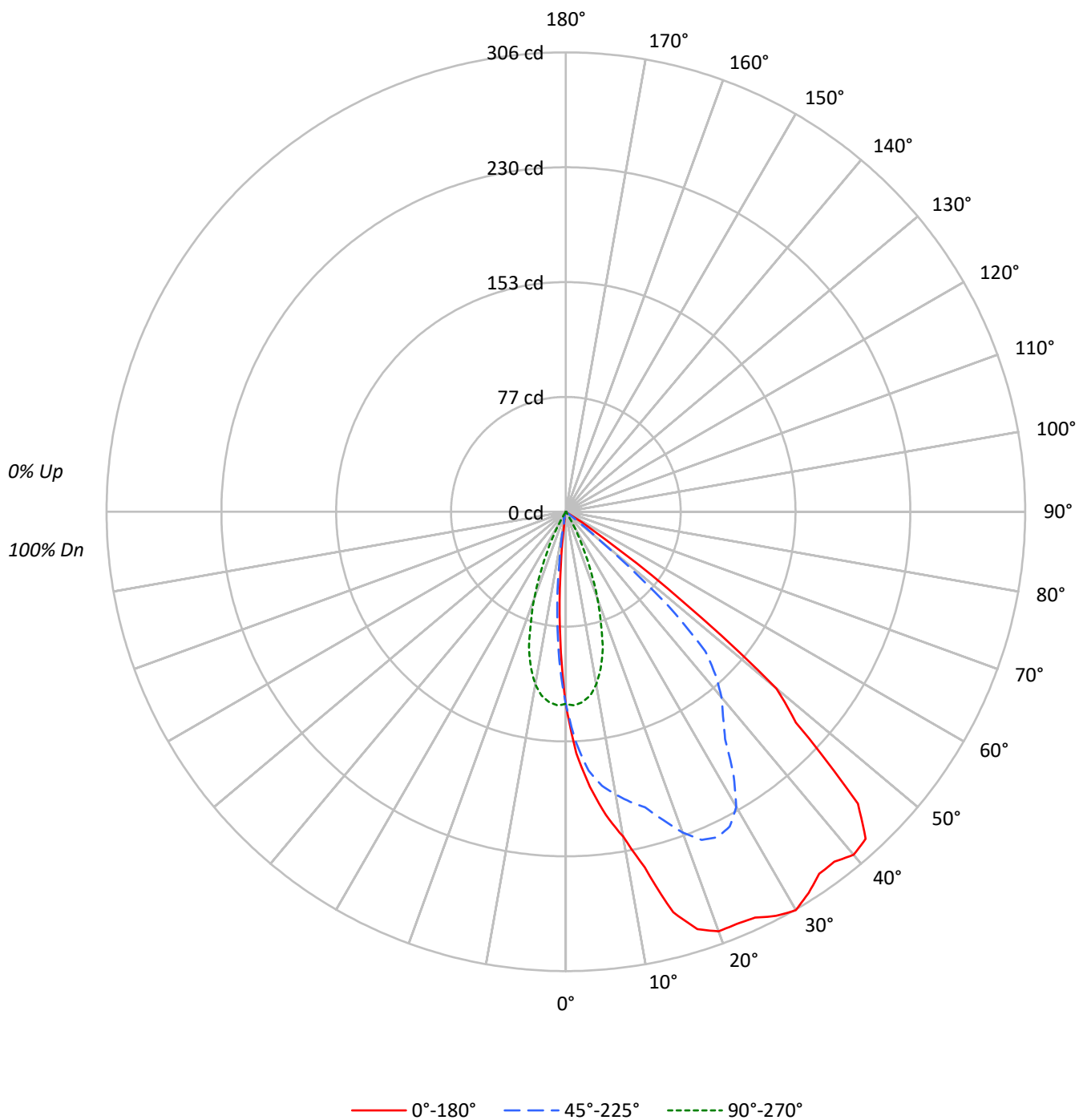
Lumens per Lamp: N/A
Luminaire Lumens: 208.0 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	95	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	64	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	55	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°	22044	22044	22044	22044	22044
5°	31775	29926	22008	11341	7278
10°	38421	33454	20426	1347	804
15°	49246	36337	16938	891	731
20°	54506	41659	11345	495	92
25°	56685	45435	5587	38	0
30°	60952	45142	1531	0	0
35°	61896	38874	0	0	0
40°	67064	36241	0	0	0
45°	67003	32004	0	0	0
50°	49058	7743	0	0	0
55°	9578	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: 67101 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	5.3
10°-20°	31.3	15.1
20°-30°	49.9	24.0
30°-40°	57.7	27.7
40°-50°	45.8	22.0
50°-60°	12.0	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°	92.2	44.3
0°-40°	149.8	72.0
0°-60°	207.7	99.9
0°-90°	208.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	208.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	128	128	128	128	128	
5°	184	173	127	66	42	19
15°	276	204	95	5	4	77
25°	298	239	29	0	0	139
35°	294	185	0	0	0	187
45°	275	131	0	0	0	196
55°	32	0	0	0	0	48
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°	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0
2.5°	161.0	162.6	161.9	161.2	159.6	158.9	158.9	157.1	154.2	153.7	151.7
5°	183.8	184.2	184.2	183.8	182.6	180.8	180.3	178.5	175.8	173.1	170.3
7.5°	203.6	203.3	202.0	201.1	199.0	196.5	194.2	191.7	187.6	184.0	180.1
10°	219.7	220.4	219.3	217.0	214.3	210.9	207.2	202.9	196.7	191.3	186.3
12.5°	242.5	242.3	239.3	235.5	228.9	222.5	216.8	212.0	204.5	197.9	191.7
15°	276.2	275.8	273.0	269.6	260.0	250.5	240.7	227.3	214.7	203.8	195.2
17.5°	291.5	292.4	290.1	288.3	282.8	276.4	267.8	254.4	235.0	215.2	197.0
20°	297.4	298.5	296.9	296.7	294.2	291.2	284.2	269.6	250.7	227.3	204.7
22.5°	297.2	298.1	297.4	300.4	303.3	301.7	293.1	278.5	259.1	236.6	211.1
25°	298.3	297.6	295.1	299.4	303.8	302.4	298.1	285.6	264.4	239.1	213.4
27.5°	303.5	298.5	293.5	299.0	301.0	301.5	299.0	284.2	263.5	236.4	208.8
30°	306.5	301.0	296.9	301.5	301.5	304.0	298.8	281.9	255.7	227.0	196.7
32.5°	301.0	299.9	303.5	308.1	309.2	309.2	297.6	274.4	242.7	207.9	177.4
35°	294.4	297.2	307.6	309.7	309.7	304.7	290.6	261.2	223.4	184.9	163.0
37.5°	293.8	298.1	309.7	307.2	303.1	293.8	273.3	238.2	195.8	171.9	152.3
40°	298.3	302.4	309.2	300.1	290.3	275.8	251.2	208.1	179.2	161.2	139.4
42.5°	295.6	299.4	299.7	286.2	272.3	252.5	220.0	183.8	167.1	147.6	124.6
45°	275.1	275.5	274.6	260.3	245.9	225.4	190.8	171.7	153.9	131.4	91.5
47.5°	207.9	207.0	210.4	206.3	207.0	194.7	173.3	157.6	136.4	92.2	27.8
50°	183.1	181.9	178.5	174.9	171.2	165.3	155.3	138.4	98.4	28.9	0.9
52.5°	98.1	103.6	114.3	130.7	136.9	136.4	128.9	102.5	31.0	0.2	0.0
55°	31.9	31.4	35.1	41.4	56.9	65.6	68.3	34.8	0.7	0.0	0.0
57.5°	0.0	0.0	0.0	0.7	2.3	5.9	7.7	0.5	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°	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0
2.5°	148.9	145.7	142.1	129.1	113.9	99.1	88.4	85.6
5°	166.0	160.5	152.8	127.3	94.0	65.6	46.9	42.1
7.5°	174.9	170.1	161.9	123.6	72.9	32.3	12.1	8.2
10°	180.3	174.7	165.5	116.8	47.6	7.7	4.3	4.6
12.5°	184.2	177.6	167.4	107.0	24.1	3.9	5.5	5.7
15°	185.8	178.8	167.1	95.0	8.7	5.0	4.8	4.1
17.5°	184.9	176.0	164.2	77.7	3.0	4.8	2.5	2.0
20°	183.8	173.7	159.4	61.9	2.5	2.7	0.9	0.5
22.5°	187.4	169.9	152.8	44.4	2.5	0.9	0.0	0.0
25°	187.9	168.3	144.4	29.4	1.1	0.2	0.0	0.0
27.5°	183.3	158.9	131.4	17.3	0.0	0.0	0.0	0.0
30°	168.7	147.3	117.5	7.7	0.0	0.0	0.0	0.0
32.5°	154.4	134.4	102.0	1.8	0.0	0.0	0.0	0.0
35°	143.0	120.9	84.9	0.0	0.0	0.0	0.0	0.0
37.5°	128.9	105.0	63.3	0.0	0.0	0.0	0.0	0.0
40°	114.1	84.7	31.7	0.0	0.0	0.0	0.0	0.0
42.5°	89.0	40.3	3.2	0.0	0.0	0.0	0.0	0.0
45°	34.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.8	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)