

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: P1316891

Luminaire Tested: P3SQAS05R609830DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316891
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: P3SQAS05R609830DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

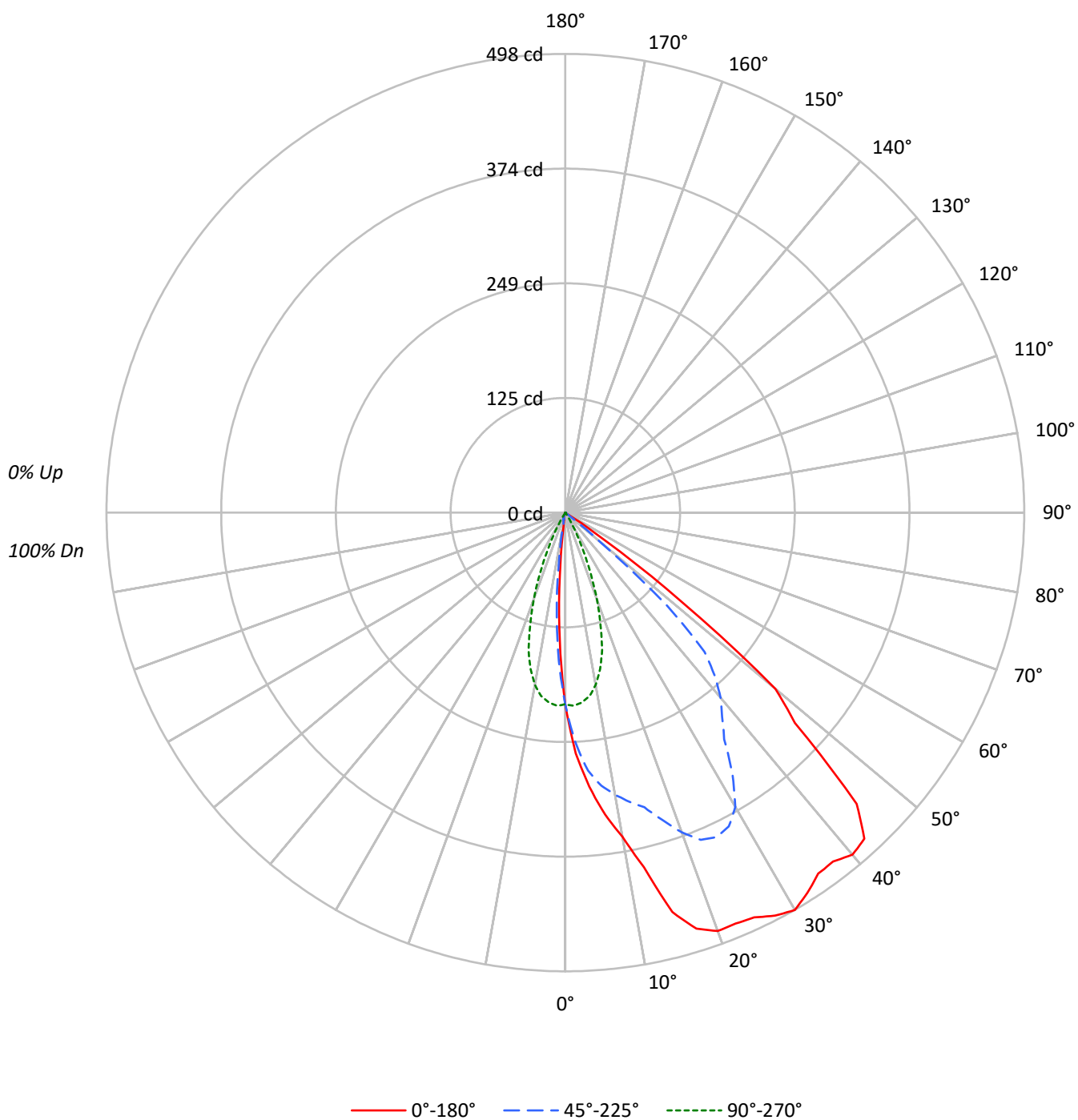
Lumens per Lamp: N/A
Luminaire Lumens: 338.0 lumens
Efficiency: N/A
Efficacy: 47.0 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	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°	35822	35822	35822	35822	35822
5°	51622	48614	35752	18429	11842
10°	62449	54353	33192	2203	1294
15°	80038	59052	27511	1444	1195
20°	88577	67684	18438	806	128
25°	92106	73825	9064	76	0
30°	99055	73362	2506	0	0
35°	100602	63179	0	0	0
40°	108971	58903	0	0	0
45°	108871	52000	0	0	0
50°	79709	12593	0	0	0
55°	15554	0	0	0	0
60°	0	0	0	0	0
65°	0	163	163	0	0
70°	0	201	201	0	0
75°	0	266	266	0	0
80°	0	397	397	397	0
85°	0	790	790	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 109042 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.9	5.3
10°-20°	50.9	15.0
20°-30°	81.1	24.0
30°-40°	93.7	27.7
40°-50°	74.4	22.0
50°-60°	19.6	5.8
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°	149.8	44.3
0°-40°	243.5	72.0
0°-60°	337.4	99.8
0°-90°	338.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	338.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	208	208	208	208	208	
5°	299	281	207	107	68	30
15°	449	331	154	8	7	125
25°	485	388	48	0	0	226
35°	478	300	0	0	0	304
45°	447	214	0	0	0	318
55°	52	0	0	0	0	78
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°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	261.6	264.2	263.1	262.0	259.4	258.3	258.3	255.3	250.5	249.8	246.4
5°	298.6	299.4	299.4	298.6	296.8	293.8	293.1	290.1	285.7	281.2	276.8
7.5°	330.8	330.4	328.2	326.7	323.4	319.3	315.6	311.6	304.9	299.0	292.7
10°	357.1	358.2	356.3	352.6	348.2	342.7	336.7	329.7	319.7	310.8	302.7
12.5°	394.1	393.7	388.9	382.6	371.9	361.5	352.3	344.5	332.3	321.6	311.6
15°	448.9	448.1	443.7	438.1	422.6	407.0	391.1	369.3	348.9	331.2	317.1
17.5°	473.6	475.1	471.4	468.5	459.6	449.2	435.2	413.3	381.9	349.7	320.1
20°	483.3	485.1	482.5	482.2	478.1	473.3	461.8	438.1	407.4	369.3	332.7
22.5°	482.9	484.4	483.3	488.1	492.9	490.3	476.2	452.6	421.1	384.5	343.0
25°	484.7	483.6	479.6	486.6	493.6	491.4	484.4	464.0	429.6	388.5	346.7
27.5°	493.3	485.1	477.0	485.9	489.2	489.9	485.9	461.8	428.1	384.1	339.3
30°	498.1	489.2	482.5	489.9	489.9	494.0	485.5	458.1	415.5	368.9	319.7
32.5°	489.2	487.3	493.3	500.7	502.5	502.5	483.6	445.9	394.5	337.8	288.3
35°	478.5	482.9	499.9	503.2	503.2	495.1	472.2	424.4	363.0	300.5	264.9
37.5°	477.3	484.4	503.2	499.2	492.5	477.3	444.0	387.1	318.2	279.4	247.6
40°	484.7	491.4	502.5	487.7	471.8	448.1	408.1	338.2	291.2	262.0	226.5
42.5°	480.3	486.6	487.0	465.1	442.6	410.4	357.5	298.6	271.6	239.8	202.4
45°	447.0	447.7	446.3	422.9	399.6	366.3	310.1	279.0	250.1	213.5	148.8
47.5°	337.8	336.4	341.9	335.3	336.4	316.4	281.6	256.1	221.7	149.9	45.1
50°	297.5	295.7	290.1	284.2	278.3	268.6	252.4	225.0	159.9	47.0	1.5
52.5°	159.5	168.4	185.8	212.4	222.4	221.7	209.4	166.5	50.3	0.4	0.0
55°	51.8	51.1	57.0	67.3	92.5	106.6	111.0	56.6	1.1	0.0	0.0
57.5°	0.0	0.0	0.0	1.1	3.7	9.6	12.6	0.7	0.0	0.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
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°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	242.0	236.8	230.9	209.8	185.0	161.0	143.6	139.1
5°	269.8	260.9	248.3	206.8	152.8	106.6	76.2	68.5
7.5°	284.2	276.4	263.1	200.9	118.4	52.5	19.6	13.3
10°	293.1	283.8	269.0	189.8	77.3	12.6	7.0	7.4
12.5°	299.4	288.6	272.0	173.9	39.2	6.3	8.9	9.3
15°	301.9	290.5	271.6	154.3	14.1	8.1	7.8	6.7
17.5°	300.5	286.0	266.8	126.2	4.8	7.8	4.1	3.3
20°	298.6	282.3	259.0	100.6	4.1	4.4	1.5	0.7
22.5°	304.5	276.0	248.3	72.2	4.1	1.5	0.0	0.0
25°	305.3	273.5	234.6	47.7	1.9	0.4	0.0	0.0
27.5°	297.9	258.3	213.5	28.1	0.0	0.0	0.0	0.0
30°	274.2	239.4	190.9	12.6	0.0	0.0	0.0	0.0
32.5°	250.9	218.3	165.8	3.0	0.0	0.0	0.0	0.0
35°	232.4	196.5	138.0	0.0	0.0	0.0	0.0	0.0
37.5°	209.4	170.6	102.9	0.0	0.0	0.0	0.0	0.0
40°	185.4	137.7	51.4	0.0	0.0	0.0	0.0	0.0
42.5°	144.7	65.5	5.2	0.0	0.0	0.0	0.0	0.0
45°	55.5	5.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3.0	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°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
65°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
67.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
70°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
72.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
77.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
82.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)