

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: P1316873

Luminaire Tested: P3SQAS05R509830DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316873
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R509830DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

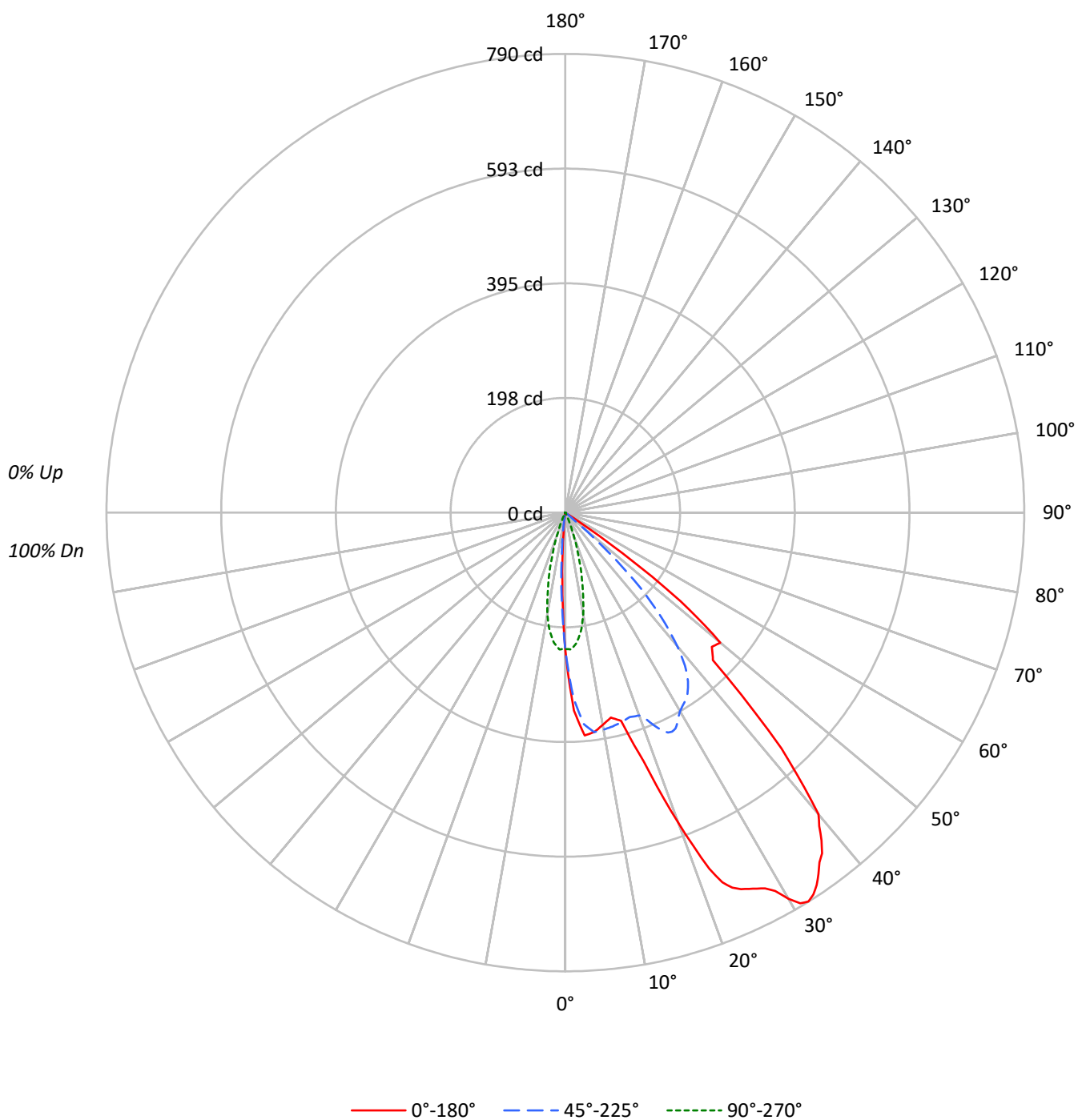
Lumens per Lamp: N/A
Luminaire Lumens: 378.0 lumens
Efficiency: N/A
Efficacy: 52.5 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	99	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74		
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	66		
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59		
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54		
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48		
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44		
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	40421	40421	40421	40421	40421
5°	66594	63205	38846	11531	5774
10°	64898	66332	31129	577	769
15°	66166	66576	18650	588	196
20°	104302	68160	7679	0	0
25°	135983	79412	1824	0	0
30°	152629	78532	80	0	0
35°	159723	77328	0	0	0
40°	152383	67176	0	0	0
45°	87511	44328	0	0	0
50°	93374	5064	0	0	0
55°	26603	0	0	0	0
60°	0	0	138	0	0
65°	0	163	163	0	0
70°	0	201	201	0	0
75°	0	266	266	0	0
80°	0	397	694	397	0
85°	0	790	1383	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 96620 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	5.2
10°-20°	49.7	13.1
20°-30°	95.4	25.2
30°-40°	111.0	29.4
40°-50°	79.5	21.0
50°-60°	22.1	5.8
60°-70°	0.2	0.0
70°-80°	0.2	0.1
80°-90°	0.3	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°	164.8	43.6
0°-40°	275.8	73.0
0°-60°	377.4	99.8
0°-90°	378.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	378.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	235	235	235	235	235	
5°	385	366	225	67	33	35
15°	371	373	105	3	1	120
25°	716	418	10	0	0	325
35°	760	368	0	0	0	470
45°	359	182	0	0	0	338
55°	89	0	0	0	0	112
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7
2.5°	341.1	343.0	343.3	338.9	339.6	333.3	333.7	329.2	318.5	281.0	235.8
5°	385.2	384.1	385.2	383.7	385.2	381.5	379.3	377.4	365.6	312.6	224.7
7.5°	381.1	379.7	381.9	382.6	385.2	384.1	384.5	385.6	381.5	329.6	205.8
10°	371.1	370.8	371.9	371.9	374.8	375.2	376.7	378.9	379.3	335.5	178.0
12.5°	361.5	360.4	360.4	360.0	361.5	361.1	364.8	370.0	377.1	331.8	139.8
15°	371.1	370.0	368.5	364.5	361.5	358.2	358.5	361.9	373.4	322.2	104.6
17.5°	449.0	443.1	435.6	422.7	409.0	385.2	371.1	362.2	368.9	307.4	69.7
20°	569.1	566.5	554.7	533.5	511.3	476.4	433.1	398.2	371.9	288.8	41.9
21°	614.7	613.2	600.6	581.0	555.8	513.5	469.0	427.1	377.8	281.0	33.0
22°	661.4	655.9	645.9	624.0	597.7	555.4	505.7	459.4	389.7	271.0	25.2
23°	691.5	688.1	677.4	660.0	634.7	593.6	542.8	492.4	401.2	259.9	18.9
24°	707.0	705.9	697.4	685.2	663.7	621.8	573.6	521.7	410.8	246.9	13.7
25°	715.6	711.9	706.7	697.8	681.5	645.1	602.1	547.2	417.9	234.0	9.6
26°	720.8	718.5	710.4	702.6	687.0	657.4	620.7	562.8	419.7	218.0	6.7
27°	726.7	721.5	713.7	704.5	687.0	661.1	627.7	569.5	417.5	201.7	4.4
28°	733.0	729.3	718.5	706.7	685.9	661.1	625.1	560.6	410.8	186.1	2.6
29°	745.2	740.4	727.1	709.6	686.3	660.3	615.1	542.1	401.9	168.7	1.5
30°	767.5	757.5	741.2	716.7	688.9	658.8	598.4	514.2	394.9	149.0	0.4
31°	784.9	779.3	760.4	729.7	696.3	654.8	578.8	486.8	390.0	132.0	0.0
32°	789.7	785.6	771.9	743.0	708.9	651.4	556.5	460.1	386.3	113.1	0.0
33°	784.2	781.6	767.1	740.8	712.2	647.0	530.9	433.8	382.3	96.0	0.0
34°	773.8	770.4	757.8	731.1	703.7	627.7	506.5	413.8	376.3	80.1	0.0
35°	759.7	757.1	744.1	717.8	688.1	597.7	482.0	400.4	367.8	64.1	0.0
36°	744.5	743.8	727.1	701.1	668.1	568.8	452.3	390.4	359.3	50.8	0.0
37°	734.5	730.8	712.6	687.0	644.4	535.0	428.6	387.1	347.4	39.3	0.0
38°	716.3	717.1	696.3	672.9	620.3	505.7	409.3	384.5	334.1	28.5	0.0
39°	694.8	695.2	673.7	653.7	591.7	474.9	393.4	381.9	317.4	18.2	0.0
40°	677.8	677.4	652.9	631.4	561.0	446.0	384.9	378.2	298.8	10.4	0.0
42.5°	551.0	553.2	556.1	565.0	488.7	395.2	376.7	357.4	246.2	0.0	0.0
45°	359.3	367.8	370.0	396.7	396.3	374.5	357.4	320.3	182.0	0.0	0.0
47.5°	341.8	344.4	349.3	359.6	365.2	354.5	319.6	267.7	99.4	0.0	0.0
50°	348.5	348.1	349.3	349.3	339.2	311.4	262.1	197.6	18.9	0.0	0.0
52.5°	250.3	259.5	269.5	274.0	261.0	231.7	191.3	116.0	0.0	0.0	0.0
55°	88.6	85.6	83.4	91.2	89.4	100.5	83.1	27.1	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.4	1.5	3.3	4.4	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
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):

	112.5°	135°	157.5°	180°
0°	234.7	234.7	234.7	234.7
2.5°	188.0	144.2	116.8	118.6
5°	132.0	66.7	41.2	33.4
7.5°	79.0	20.4	4.1	3.3
10°	37.1	3.3	3.7	4.4
12.5°	11.1	3.0	4.1	3.7
15°	3.0	3.3	1.9	1.1
17.5°	1.1	1.5	0.0	0.0
20°	0.7	0.0	0.0	0.0
21°	0.7	0.0	0.0	0.0
22°	0.4	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.4	0.0	0.0	0.0
67.5°	0.4	0.0	0.0	0.0
70°	0.4	0.0	0.0	0.0
72.5°	0.4	0.0	0.0	0.0
75°	0.4	0.0	0.0	0.0
77.5°	0.4	0.0	0.0	0.0
80°	0.4	0.4	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.4	0.4	0.0	0.0
85°	0.4	0.4	0.0	0.0
87.5°	0.4	0.4	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)