

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: P1316658

Luminaire Tested: P3SQAS02R259830DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316658
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259830DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

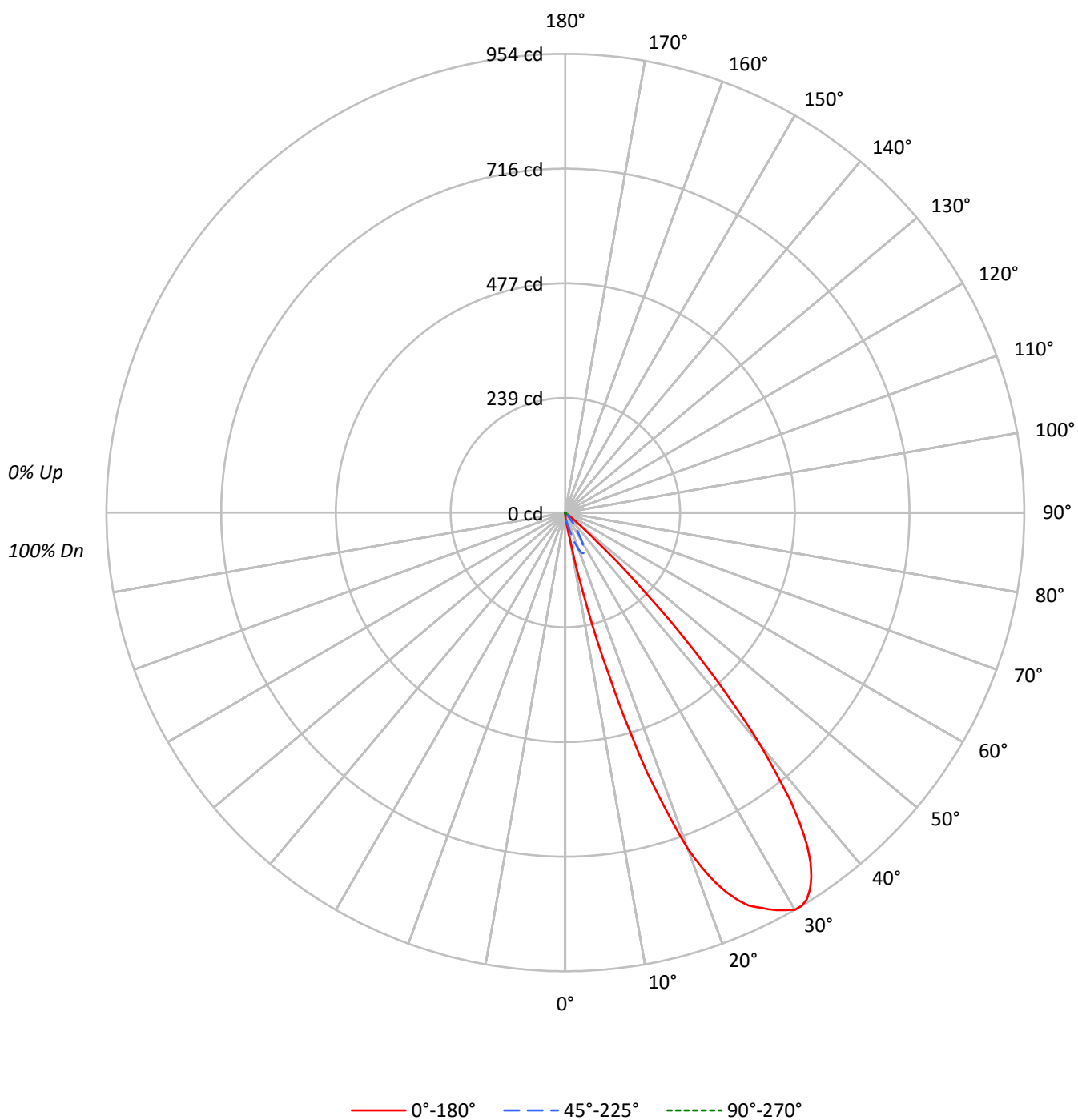
Lumens per Lamp: N/A
Luminaire Lumens: 187.0 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1016	1016	1016	1016	1016
5°	3181	2230	934	501	363
10°	10056	4040	682	70	0
15°	62173	7702	410	0	0
20°	136320	15010	128	0	0
25°	171366	17254	0	0	0
30°	189698	13364	0	0	0
35°	186740	7569	0	0	0
40°	141952	1978	0	0	0
45°	57504	877	0	0	0
50°	6377	107	0	0	0
55°	480	0	60	0	0
60°	0	0	69	0	0
65°	0	0	163	0	0
70°	0	101	201	0	0
75°	0	133	333	0	0
80°	0	198	496	0	0
85°	0	395	988	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57504 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.5
10°-20°	19.3	10.3
20°-30°	67.5	36.1
30°-40°	75.3	40.3
40°-50°	22.7	12.2
50°-60°	0.8	0.4
60°-70°	0.1	0.1
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°	87.8	46.9
0°-40°	163.1	87.2
0°-60°	186.6	99.8
0°-90°	187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	187.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	18	13	5	3	2	3
15°	349	43	2	0	0	116
25°	902	91	0	0	0	411
35°	888	36	0	0	0	533
45°	236	4	0	0	0	204
55°	2	0	0	0	0	5
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°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
2.5°	10.2	10.6	10.4	10.6	10.4	10.4	10.4	10.6	10.4	10.4	10.4
5°	18.4	18.6	18.6	18.4	18.4	18.8	18.4	18.6	18.1	18.4	18.3
7.5°	30.3	29.9	29.9	30.1	30.1	29.7	29.6	29.2	29.6	29.6	29.0
10°	57.5	57.1	56.2	55.9	56.2	56.2	54.4	54.8	55.0	53.4	52.8
12.5°	168.9	167.6	170.2	166.2	163.9	160.1	162.3	154.9	153.3	152.2	149.7
15°	348.7	358.2	354.1	354.5	355.2	346.2	349.3	338.2	328.8	326.0	324.0
17.5°	568.7	571.5	567.8	566.0	565.3	561.0	555.8	550.2	543.1	536.8	531.6
20°	743.8	741.7	735.2	736.0	728.3	724.3	719.8	714.3	708.7	699.6	690.8
21°	790.0	783.8	784.0	779.7	779.5	774.5	766.6	760.9	755.8	745.5	739.9
22°	828.0	826.6	823.4	820.1	816.7	814.2	805.5	802.6	792.4	783.8	775.9
23°	857.6	858.1	855.2	853.1	848.4	847.4	836.1	832.1	825.2	812.1	804.0
24°	882.1	881.2	878.0	874.2	871.5	869.0	860.4	854.0	846.3	835.5	827.7
25°	901.8	899.7	897.5	894.6	890.4	887.5	878.7	871.5	864.9	852.9	842.2
26°	913.5	914.0	910.6	908.4	904.7	901.8	892.7	884.3	876.0	863.1	853.5
27°	925.3	924.7	921.7	918.5	914.5	913.5	902.9	894.1	885.7	872.1	860.6
28°	936.2	934.8	932.3	928.5	924.2	921.0	910.8	901.6	892.5	878.0	865.5
29°	945.3	943.9	942.3	937.5	931.9	929.8	918.8	907.7	898.6	883.7	870.5
30°	953.9	951.2	947.5	943.4	938.0	933.9	922.4	912.7	902.0	885.5	872.8
31°	954.3	950.7	948.0	943.7	937.6	932.6	920.6	910.8	898.2	882.8	869.0
32°	948.0	946.2	941.9	937.3	931.4	926.4	913.1	902.7	890.9	874.4	860.6
33°	933.9	932.1	929.6	924.7	917.0	912.4	900.6	889.1	877.5	862.6	846.8
34°	914.4	912.2	909.0	904.1	896.3	891.4	881.9	870.1	857.8	842.3	827.7
35°	888.2	884.1	883.2	876.0	868.7	867.4	856.1	843.8	831.2	814.2	801.5
36°	855.8	850.9	847.7	845.2	840.4	834.5	823.4	813.5	797.4	786.5	768.6
37°	811.5	805.6	808.7	801.9	794.3	791.8	777.7	768.7	755.1	740.3	725.0
38°	760.0	759.4	758.7	755.7	742.8	736.1	730.2	720.7	708.9	691.0	670.4
39°	694.8	695.8	692.1	692.4	686.0	679.4	671.1	660.4	646.0	629.7	613.1
40°	631.4	616.1	618.8	609.7	610.2	600.4	589.6	580.1	571.0	556.7	533.9
42.5°	436.8	434.5	426.5	420.7	423.2	410.5	396.4	383.1	370.4	354.3	334.4
45°	236.1	230.7	232.3	223.0	223.0	217.3	213.3	202.2	190.4	183.0	171.6
47.5°	87.8	88.8	90.8	87.0	82.7	85.3	81.5	81.5	79.5	77.2	74.0
50°	23.8	24.2	23.8	23.8	23.3	22.9	22.2	22.0	21.9	21.3	20.4
52.5°	9.7	9.1	9.1	9.3	9.3	9.0	9.1	9.1	9.0	8.8	8.8
55°	1.6	1.8	1.8	1.8	1.8	1.6	1.6	1.8	2.0	1.8	1.8
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0
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	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
2.5°	10.0	8.8	7.3	6.1	4.8	4.1	3.8	3.9
5°	17.0	12.9	8.4	5.4	3.8	2.9	2.3	2.1
7.5°	26.1	17.7	9.5	4.7	2.9	1.4	0.9	0.7
10°	40.1	23.1	10.2	3.9	1.8	0.4	0.0	0.0
12.5°	103.0	28.3	10.4	3.2	0.7	0.0	0.0	0.0
15°	211.7	43.2	10.0	2.3	0.2	0.0	0.0	0.0
17.5°	351.9	66.1	8.8	1.6	0.0	0.0	0.0	0.0
20°	488.3	81.9	7.0	0.7	0.0	0.0	0.0	0.0
21°	529.3	86.5	6.3	0.5	0.0	0.0	0.0	0.0
22°	562.8	89.9	5.6	0.4	0.0	0.0	0.0	0.0
23°	590.7	91.7	4.8	0.2	0.0	0.0	0.0	0.0
24°	610.2	92.1	4.5	0.2	0.0	0.0	0.0	0.0
25°	619.5	90.8	3.9	0.0	0.0	0.0	0.0	0.0
26°	623.1	88.3	3.6	0.0	0.0	0.0	0.0	0.0
27°	620.4	85.1	3.2	0.0	0.0	0.0	0.0	0.0
28°	615.6	80.2	2.7	0.0	0.0	0.0	0.0	0.0
29°	606.1	73.8	2.3	0.0	0.0	0.0	0.0	0.0
30°	597.0	67.2	2.0	0.0	0.0	0.0	0.0	0.0
31°	586.6	61.3	1.6	0.0	0.0	0.0	0.0	0.0
32°	573.9	54.4	1.3	0.0	0.0	0.0	0.0	0.0
33°	552.7	48.2	0.9	0.0	0.0	0.0	0.0	0.0
34°	523.2	42.3	0.7	0.0	0.0	0.0	0.0	0.0
35°	483.6	36.0	0.5	0.0	0.0	0.0	0.0	0.0
36°	440.2	29.4	0.4	0.0	0.0	0.0	0.0	0.0
37°	387.2	21.3	0.4	0.0	0.0	0.0	0.0	0.0
38°	331.9	13.4	0.2	0.0	0.0	0.0	0.0	0.0
39°	275.3	10.2	0.2	0.0	0.0	0.0	0.0	0.0
40°	223.5	8.8	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	119.6	5.9	0.0	0.0	0.0	0.0	0.0	0.0
45°	70.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	39.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
50°	14.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
57.5°	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.4	0.4	0.2	0.0	0.0	0.0
67.5°	0.0	0.2	0.4	0.4	0.2	0.0	0.0	0.0
70°	0.0	0.2	0.4	0.4	0.2	0.0	0.0	0.0
72.5°	0.0	0.2	0.4	0.5	0.2	0.0	0.0	0.0
75°	0.0	0.2	0.4	0.5	0.2	0.0	0.0	0.0
77.5°	0.0	0.2	0.4	0.5	0.2	0.0	0.0	0.0
80°	0.0	0.2	0.4	0.5	0.2	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.2	0.4	0.5	0.2	0.0	0.0	0.0
85°	0.0	0.2	0.4	0.5	0.2	0.0	0.0	0.0
87.5°	0.0	0.2	0.4	0.5	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)