

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: P1307334

Luminaire Tested: P3SQAS24R309027D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307334
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R309027D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

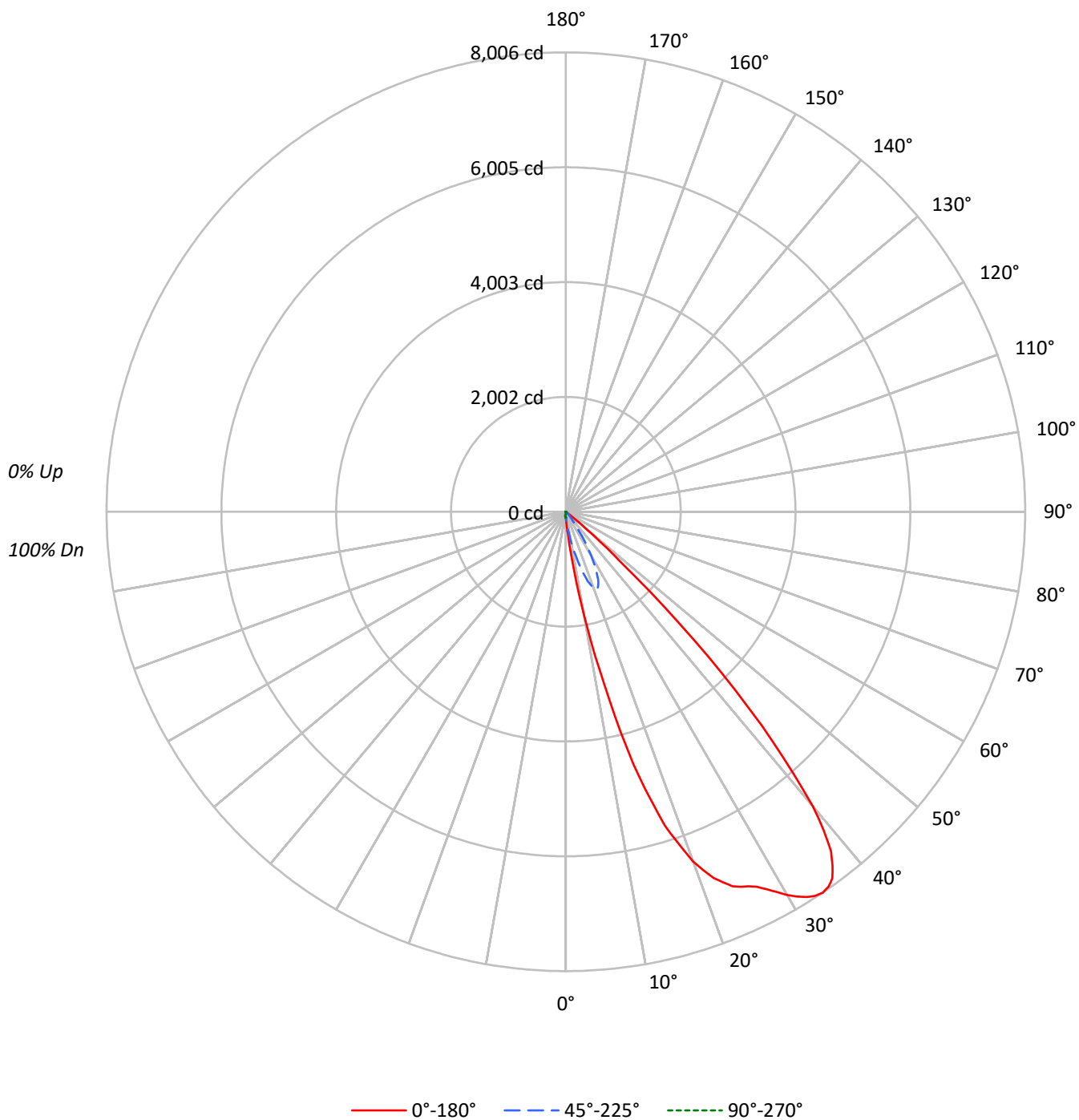
Lumens per Lamp: N/A
Luminaire Lumens: 1927.0 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	17756	17756	17756	17756	17756
5°	64398	40022	16251	6569	4685
10°	318788	95816	12644	1259	0
15°	813164	182488	8059	0	0
20°	1188193	259518	3317	0	0
25°	1370776	254636	684	0	0
30°	1534168	174783	0	0	0
35°	1677839	75289	0	0	0
40°	1505916	29272	0	0	0
45°	769015	11886	0	0	0
50°	118720	1447	0	0	0
55°	7056	0	540	0	0
60°	0	0	620	0	0
65°	0	0	1467	0	0
70°	0	906	1813	0	0
75°	0	1198	3593	0	0
80°	0	1785	5356	0	0
85°	0	3557	10671	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 769015 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.5	1.1
10°-20°	256.7	13.3
20°-30°	634.5	32.9
30°-40°	729.7	37.9
40°-50°	270.7	14.0
50°-60°	9.8	0.5
60°-70°	0.9	0.0
70°-80°	1.6	0.1
80°-90°	1.5	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°	912.8	47.4
0°-40°	1642.5	85.2
0°-60°	1923.0	99.8
0°-90°	1927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1927.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	103	103	103	103	103	
5°	372	232	94	38	27	81
15°	4561	1024	45	0	0	1311
25°	7214	1340	4	0	0	3333
35°	7980	358	0	0	0	4838
45°	3157	49	0	0	0	2459
55°	24	0	2	0	0	81
65°	0	0	4	0	0	0
75°	0	2	5	0	0	0
85°	0	2	5	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1
2.5°	182.6	184.5	184.5	179.0	177.2	175.4	170.0	153.7	128.4	103.1	83.2
5°	372.5	374.3	374.3	363.5	341.8	320.1	302.0	231.5	148.3	94.0	61.5
7.5°	878.9	880.7	842.7	799.3	712.5	667.3	584.1	356.3	168.2	85.0	39.8
10°	1822.9	1783.1	1683.6	1557.0	1423.2	1249.6	1074.2	547.9	182.6	72.3	25.3
12.5°	3047.1	3009.2	2880.8	2699.9	2437.7	2097.7	1765.0	770.4	184.5	57.9	14.5
15°	4560.7	4454.1	4300.3	4000.1	3613.2	3086.9	2537.2	1023.5	177.2	45.2	3.6
17.5°	5734.4	5636.7	5441.4	5090.6	4609.6	4025.5	3350.9	1264.1	157.3	28.9	0.0
20°	6483.1	6380.0	6197.3	5888.1	5376.3	4690.9	3918.8	1416.0	130.2	18.1	0.0
21°	6696.4	6597.0	6418.0	6110.5	5600.6	4917.0	4058.0	1448.5	117.5	14.5	0.0
22°	6884.5	6806.8	6640.4	6305.8	5786.8	5083.4	4199.1	1452.1	108.5	10.9	0.0
23°	7016.5	6960.5	6794.1	6486.7	5969.5	5219.0	4275.0	1430.4	97.7	7.2	0.0
24°	7143.1	7074.4	6931.5	6645.8	6114.1	5332.9	4343.7	1390.6	86.8	5.4	0.0
25°	7213.6	7134.1	7023.8	6756.1	6233.5	5405.3	4385.3	1340.0	76.0	3.6	0.0
26°	7262.5	7201.0	7079.8	6821.2	6284.1	5452.3	4390.8	1265.9	68.7	1.8	0.0
27°	7336.6	7275.1	7157.6	6879.1	6305.8	5445.0	4358.2	1180.9	59.7	0.0	0.0
28°	7448.7	7367.4	7249.8	6940.6	6314.9	5414.3	4285.9	1088.6	50.6	0.0	0.0
29°	7577.1	7493.9	7365.5	7022.0	6316.7	5352.8	4171.9	987.4	45.2	0.0	0.0
30°	7714.6	7642.2	7512.0	7101.5	6336.6	5273.2	4039.9	878.9	36.2	0.0	0.0
31°	7823.1	7758.0	7618.7	7173.9	6352.9	5204.5	3877.2	770.4	30.7	0.0	0.0
32°	7917.1	7859.2	7687.4	7190.1	6320.3	5106.9	3703.6	665.5	25.3	0.0	0.0
33°	7982.2	7909.9	7709.1	7148.5	6226.3	4945.9	3510.1	566.0	19.9	0.0	0.0
34°	8005.7	7918.9	7676.6	7040.0	6036.4	4701.8	3258.7	462.9	16.3	0.0	0.0
35°	7980.4	7873.7	7559.0	6853.8	5779.6	4410.6	2956.7	358.1	12.7	0.0	0.0
36°	7899.0	7763.4	7390.9	6587.9	5412.5	4067.1	2654.7	278.5	9.0	0.0	0.0
37°	7723.6	7573.5	7103.3	6237.1	5049.0	3672.8	2311.1	217.0	5.4	0.0	0.0
38°	7508.4	7291.4	6720.0	5794.1	4578.8	3229.8	1971.1	179.0	3.6	0.0	0.0
39°	7141.3	6902.6	6264.2	5284.1	4117.7	2808.4	1640.2	155.5	1.8	0.0	0.0
40°	6698.3	6414.3	5743.4	4738.0	3573.4	2367.2	1368.9	130.2	1.8	0.0	0.0
42.5°	5052.6	4812.1	4090.6	3222.5	2184.5	1396.1	759.5	85.0	0.0	0.0	0.0
45°	3157.4	2906.1	2417.8	1766.8	1182.7	723.4	365.3	48.8	0.0	0.0	0.0
47.5°	1289.4	1182.7	972.9	748.7	535.3	340.0	151.9	21.7	0.0	0.0	0.0
50°	443.1	394.2	330.9	242.3	171.8	117.5	79.6	5.4	0.0	0.0	0.0
52.5°	128.4	130.2	113.9	97.7	76.0	54.3	39.8	0.0	0.0	0.0	0.0
55°	23.5	19.9	23.5	21.7	23.5	19.9	14.5	0.0	0.0	1.8	0.0
57.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	1.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	3.6	1.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	3.6	1.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.4	1.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.4	1.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.4	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.4	1.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.4	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.4	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.4	1.8
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):

	135°	157.5°	180°
0°	103.1	103.1	103.1
2.5°	66.9	59.7	56.1
5°	38.0	28.9	27.1
7.5°	19.9	12.7	10.9
10°	7.2	1.8	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)