

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: P1308469

Luminaire Tested: P3SQAS24R359030D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308469
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R359030D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

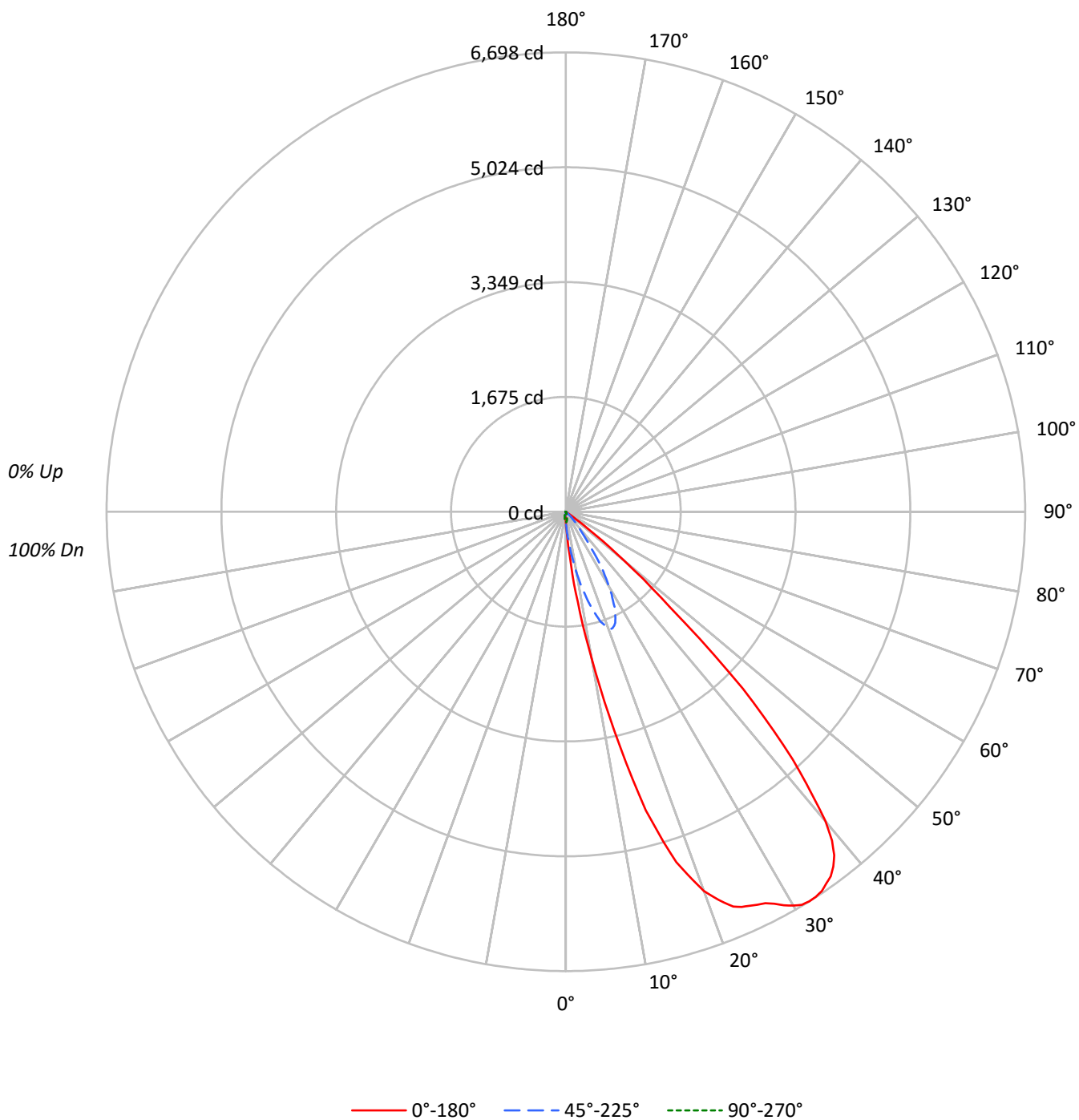
Lumens per Lamp: N/A
Luminaire Lumens: 2001.0 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	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	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	25971	25971	25971	25971	25971
5°	112874	69965	24100	8575	5947
10°	379908	157899	18030	2011	665
15°	803928	259014	11233	0	0
20°	1077935	330977	5242	0	0
25°	1204693	325022	1083	0	0
30°	1318817	249039	0	0	0
35°	1391864	135650	0	0	0
40°	1323137	60949	0	0	0
45°	888043	26962	0	0	0
50°	296653	2545	0	0	0
55°	16064	0	0	0	0
60°	0	0	654	0	0
65°	0	0	1549	0	0
70°	0	957	1913	0	0
75°	0	1264	2529	0	0
80°	0	1884	3769	0	0
85°	0	3754	7509	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 888043 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.4	1.6
10°-20°	277.6	13.9
20°-30°	609.2	30.4
30°-40°	704.6	35.2
40°-50°	347.8	17.4
50°-60°	25.7	1.3
60°-70°	0.9	0.0
70°-80°	1.4	0.1
80°-90°	1.3	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°	919.2	45.9
0°-40°	1623.8	81.2
0°-60°	1997.4	99.8
0°-90°	2001.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2001.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	151	151	151	151	151	
5°	653	405	139	50	34	112
15°	4509	1453	63	0	0	1272
25°	6340	1710	6	0	0	2931
35°	6620	645	0	0	0	4088
45°	3646	111	0	0	0	2676
55°	54	0	0	0	0	218
65°	0	0	4	0	0	0
75°	0	2	4	0	0	0
85°	0	2	4	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°	150.8	150.8	150.8	150.8	150.8	150.8	150.8	150.8	150.8	150.8	150.8
2.5°	299.7	307.3	303.5	303.5	301.6	292.1	274.9	269.2	248.2	196.6	152.7
5°	652.9	654.8	649.0	620.4	595.6	572.7	523.1	500.1	404.7	240.5	139.4
7.5°	1324.8	1296.2	1259.9	1219.8	1132.0	1051.8	946.8	836.1	626.1	278.7	124.1
10°	2172.4	2132.3	2101.8	2006.3	1847.9	1683.7	1483.3	1301.9	902.9	305.4	103.1
12.5°	3266.2	3243.3	3134.5	2943.6	2708.8	2472.1	2122.8	1834.5	1181.6	311.2	84.0
15°	4508.9	4470.8	4304.7	4033.6	3714.8	3342.6	2874.9	2390.0	1452.7	294.0	63.0
17.5°	5358.4	5337.4	5194.3	4909.8	4543.3	4069.9	3516.3	2911.2	1676.1	257.7	43.9
20°	5881.5	5850.9	5717.3	5476.8	5093.1	4598.7	3942.0	3243.3	1805.9	211.9	28.6
21°	6017.0	5986.5	5879.6	5629.5	5263.0	4732.3	4058.4	3323.5	1830.7	190.9	22.9
22°	6144.9	6114.4	6001.7	5780.3	5417.6	4864.0	4150.1	3384.6	1826.9	173.7	17.2
23°	6251.8	6219.4	6108.6	5904.4	5539.8	4980.5	4218.8	3415.1	1802.1	156.5	13.4
24°	6307.2	6288.1	6188.8	5996.0	5639.0	5062.5	4266.5	3426.6	1771.5	139.4	9.5
25°	6339.6	6316.7	6219.4	6041.8	5703.9	5127.4	4297.1	3417.0	1710.4	124.1	5.7
26°	6374.0	6339.6	6228.9	6057.1	5738.3	5158.0	4299.0	3392.2	1645.5	110.7	1.9
27°	6404.5	6372.1	6257.5	6068.6	5744.0	5148.4	4283.7	3344.5	1567.2	97.4	1.9
28°	6471.3	6435.1	6303.4	6093.4	5749.8	5123.6	4236.0	3279.6	1464.2	85.9	0.0
29°	6559.2	6521.0	6370.2	6152.6	5763.1	5096.9	4171.1	3193.7	1374.4	76.4	0.0
30°	6631.7	6597.3	6458.0	6227.0	5797.5	5072.1	4094.7	3077.2	1252.3	64.9	0.0
31°	6685.2	6650.8	6522.9	6290.0	5828.0	5049.2	3999.3	2957.0	1141.6	57.3	0.0
32°	6698.5	6669.9	6549.6	6316.7	5828.0	5014.8	3911.4	2821.4	1032.7	47.7	0.0
33°	6692.8	6664.2	6542.0	6297.6	5776.5	4932.7	3804.5	2659.2	908.7	42.0	0.0
34°	6671.8	6637.4	6507.6	6236.5	5675.3	4793.4	3649.9	2496.9	778.9	34.4	0.0
35°	6620.2	6589.7	6448.4	6122.0	5518.8	4581.5	3443.8	2309.8	645.2	28.6	0.0
36°	6570.6	6524.8	6351.1	5980.7	5312.6	4363.9	3197.5	2094.1	530.7	22.9	0.0
37°	6479.0	6414.1	6238.5	5776.5	5020.5	4056.5	2916.9	1857.4	444.8	17.2	0.0
38°	6356.8	6269.0	6045.7	5539.8	4726.6	3768.3	2653.4	1643.6	374.2	11.5	0.0
39°	6167.8	6064.7	5761.2	5215.3	4386.8	3434.2	2351.8	1416.4	318.8	7.6	0.0
40°	5885.3	5787.9	5452.0	4829.6	4048.9	3065.8	2042.6	1160.6	271.1	3.8	0.0
42.5°	4900.3	4766.7	4377.2	3758.7	2993.2	2204.8	1351.5	645.2	179.4	0.0	0.0
45°	3646.1	3527.7	3146.0	2582.8	1994.9	1349.6	723.5	379.9	110.7	0.0	0.0
47.5°	2059.8	2046.4	1798.2	1483.3	1112.9	717.8	366.5	229.1	47.7	0.0	0.0
50°	1107.2	1038.5	895.3	679.6	463.9	313.1	198.5	126.0	9.5	0.0	0.0
52.5°	404.7	391.3	328.3	273.0	210.0	143.2	101.2	55.4	0.0	0.0	0.0
55°	53.5	49.6	51.5	55.4	57.3	49.6	32.5	11.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.9	3.8	3.8	3.8	0.0	0.0	0.0	1.9
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	3.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	3.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	3.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	3.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	3.8



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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	0.0	1.9	3.8	3.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	3.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	3.8
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):

	112.5°	135°	157.5°	180°
0°	150.8	150.8	150.8	150.8
2.5°	116.4	89.7	76.4	74.4
5°	80.2	49.6	36.3	34.4
7.5°	55.4	24.8	17.2	15.3
10°	32.5	11.5	5.7	3.8
12.5°	19.1	1.9	0.0	0.0
15°	5.7	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	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°	1.9	0.0	0.0	0.0
67.5°	1.9	0.0	0.0	0.0
70°	1.9	0.0	0.0	0.0
72.5°	1.9	0.0	0.0	0.0
75°	1.9	0.0	0.0	0.0
77.5°	1.9	0.0	0.0	0.0
80°	1.9	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.9	0.0	0.0	0.0
85°	1.9	0.0	0.0	0.0
87.5°	1.9	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)