

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: P1307318

Luminaire Tested: P3SQAS24R259027D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R259027D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

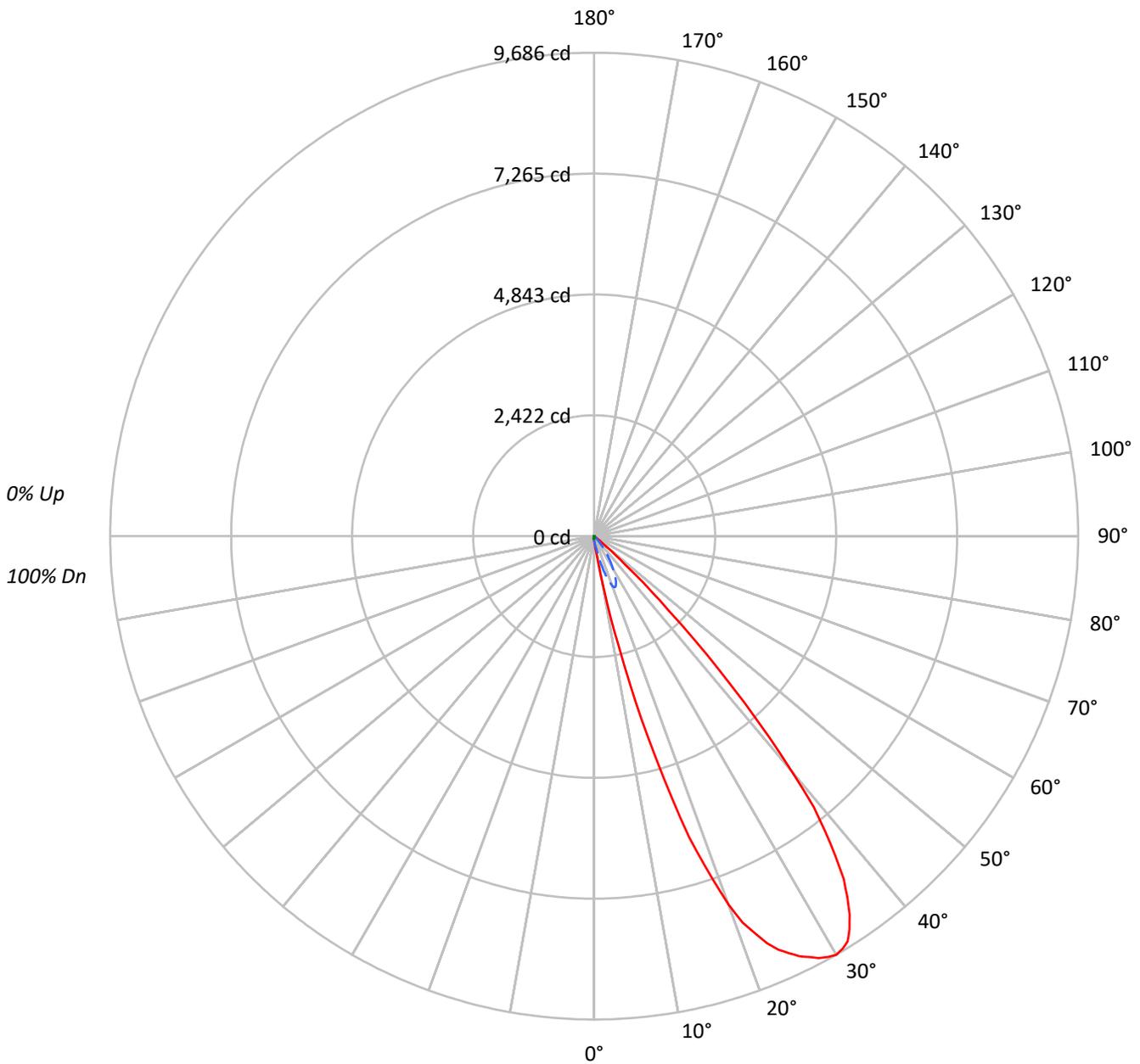
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1937.9 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
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



— 0°-180° - - - 45°-225° ····· 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10		0	
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	104	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	48	70	59	52	47	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	42	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14329	14329	14329	14329	14329
5°	35942	26572	13450	6881	5307
10°	157164	45224	11070	3165	2221
15°	747318	121867	7738	1284	963
20°	1438584	195188	4967	330	330
25°	1752027	196887	2755	0	0
30°	1926292	150661	1074	0	0
35°	1856316	95809	378	0	0
40°	1387031	41457	0	0	405
45°	513497	11009	438	438	1315
50°	60552	1447	965	965	1929
55°	5975	0	1081	1621	2702
60°	620	0	1860	2480	3100
65°	734	734	2934	3668	4401
70°	906	906	3626	3626	5438
75°	1198	1198	3593	3593	4791
80°	0	1785	5356	3570	5356
85°	0	3557	10671	3557	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 513497 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	0.6
10°-20°	225.9	11.7
20°-30°	709.2	36.6
30°-40°	746.5	38.5
40°-50°	219.3	11.3
50°-60°	11.7	0.6
60°-70°	5.7	0.3
70°-80°	4.9	0.3
80°-90°	2.5	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°	947.2	48.9
0°-40°	1693.8	87.4
0°-60°	1924.8	99.3
0°-90°	1937.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1937.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	83	83	83	83	83	
5°	208	154	78	40	31	37
15°	4191	684	43	7	5	1321
25°	9220	1036	14	0	0	4229
35°	8829	456	2	0	0	5328
45°	2108	45	2	2	5	1916
55°	20	0	4	5	9	50
65°	2	2	7	9	11	2
75°	2	2	5	5	7	1
85°	0	2	5	2	2	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°	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
2.5°	128.4	130.2	124.8	128.4	124.8	123.0	121.1	112.1	97.6	83.2	68.7
5°	207.9	207.9	198.9	197.1	193.5	186.2	179.0	153.7	110.3	77.8	54.2
7.5°	325.5	323.7	320.0	311.0	292.9	274.8	256.8	200.7	121.1	72.3	41.6
10°	898.7	886.0	869.7	772.1	661.8	564.2	479.2	258.6	130.2	63.3	30.7
12.5°	2233.1	2160.8	1989.0	1793.7	1544.2	1282.0	1025.2	421.3	133.8	52.4	21.7
15°	4191.4	4041.3	3773.7	3383.1	2873.2	2300.0	1811.8	683.5	130.2	43.4	16.3
17.5°	6328.6	6184.0	5813.3	5220.2	4469.8	3589.2	2724.9	905.9	121.1	36.2	10.8
20°	7849.3	7695.6	7348.4	6719.2	5907.3	4733.8	3587.4	1065.0	113.9	27.1	5.4
21°	8294.1	8140.4	7773.4	7165.8	6312.4	5135.2	3864.1	1092.1	108.5	23.5	3.6
22°	8576.2	8485.8	8091.6	7502.1	6632.4	5457.1	4100.9	1104.8	104.9	21.7	3.6
23°	8860.1	8724.5	8355.6	7733.6	6876.5	5695.8	4276.3	1095.8	101.3	18.1	1.8
24°	9069.8	8955.9	8527.4	7912.6	7046.5	5842.2	4379.4	1072.2	95.8	16.3	1.8
25°	9219.9	9115.0	8668.4	8033.7	7160.4	5921.8	4412.0	1036.1	90.4	14.5	1.8
26°	9362.7	9248.8	8785.9	8104.3	7220.1	5947.1	4381.2	996.3	85.0	12.7	0.0
27°	9465.8	9350.1	8867.3	8145.8	7223.7	5916.4	4298.0	942.1	79.6	10.8	0.0
28°	9576.1	9442.3	8923.4	8169.4	7202.0	5844.0	4178.7	884.2	75.9	9.0	0.0
29°	9643.0	9516.4	8981.2	8194.7	7156.8	5722.9	4005.1	815.5	66.9	5.4	0.0
30°	9686.4	9536.3	8975.8	8167.5	7097.1	5592.7	3797.2	757.6	57.9	5.4	0.0
31°	9650.2	9492.9	8917.9	8091.6	7001.3	5422.7	3583.8	685.3	47.0	3.6	0.0
32°	9572.5	9386.3	8816.7	7959.6	6829.5	5203.9	3363.2	625.6	34.4	3.6	0.0
33°	9382.6	9225.3	8634.1	7782.4	6605.3	4907.4	3075.7	567.8	23.5	1.8	0.0
34°	9144.0	8986.6	8384.5	7545.5	6305.1	4524.1	2726.7	508.1	19.9	1.8	0.0
35°	8829.3	8673.8	8102.4	7214.6	5907.3	4063.0	2366.9	455.7	16.3	1.8	0.0
36°	8498.4	8292.3	7746.2	6862.0	5373.9	3538.6	1981.8	396.0	12.7	1.8	0.0
37°	8012.0	7872.8	7267.1	6325.0	4797.1	3035.9	1701.5	341.7	9.0	1.8	0.0
38°	7507.6	7379.2	6787.9	5784.4	4153.4	2538.7	1424.8	289.3	7.2	0.0	0.0
39°	6986.8	6773.4	6189.4	5091.8	3478.9	2126.4	1198.8	242.3	3.6	0.0	0.0
40°	6169.5	6006.8	5382.9	4260.1	2878.6	1723.2	1021.6	184.4	3.6	0.0	0.0
42.5°	4090.1	3938.2	3283.7	2310.9	1529.7	1007.2	674.5	72.3	0.0	1.8	0.0
45°	2108.3	2012.5	1634.6	1209.7	867.9	618.4	434.0	45.2	0.0	1.8	1.8
47.5°	837.2	820.9	741.4	640.1	493.6	367.1	236.9	19.9	0.0	1.8	1.8
50°	226.0	227.8	213.4	197.1	179.0	168.2	99.4	5.4	0.0	3.6	1.8
52.5°	95.8	97.6	94.0	88.6	79.6	59.7	39.8	1.8	1.8	3.6	3.6
55°	19.9	21.7	23.5	25.3	28.9	25.3	16.3	0.0	1.8	3.6	3.6
57.5°	3.6	3.6	3.6	3.6	5.4	5.4	3.6	0.0	1.8	3.6	5.4
60°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	3.6	5.4	5.4
62.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	5.4	7.2
65°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	7.2	7.2
67.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.4	7.2	7.2
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.4	7.2	7.2
72.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.4	7.2	5.4
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.4	5.4	5.4
77.5°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	3.6	5.4	5.4
80°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	3.6	5.4	3.6



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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	1.8	1.8	3.6	5.4	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.4	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.4	3.6
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°	83.2	83.2	83.2
2.5°	57.9	52.4	50.6
5°	39.8	34.4	30.7
7.5°	27.1	21.7	19.9
10°	18.1	14.5	12.7
12.5°	12.7	7.2	7.2
15°	7.2	5.4	5.4
17.5°	3.6	1.8	1.8
20°	1.8	1.8	1.8
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	1.8
39°	0.0	1.8	1.8
40°	0.0	1.8	1.8
42.5°	0.0	1.8	3.6
45°	1.8	3.6	5.4
47.5°	3.6	5.4	7.2
50°	3.6	7.2	7.2
52.5°	5.4	7.2	9.0
55°	5.4	9.0	9.0
57.5°	7.2	9.0	10.8
60°	7.2	9.0	9.0
62.5°	7.2	10.8	10.8
65°	9.0	10.8	10.8
67.5°	9.0	10.8	10.8
70°	7.2	9.0	10.8
72.5°	7.2	9.0	9.0
75°	5.4	7.2	7.2
77.5°	5.4	5.4	7.2
80°	3.6	5.4	5.4



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	3.6	3.6	3.6
85°	1.8	1.8	1.8
87.5°	1.8	1.8	1.8
90°	0.0	0.0	0.0

(END OF REPORT)