

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: P1308436

Luminaire Tested: P3SQAS24R259030D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308436
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: P3SQAS24R259030D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

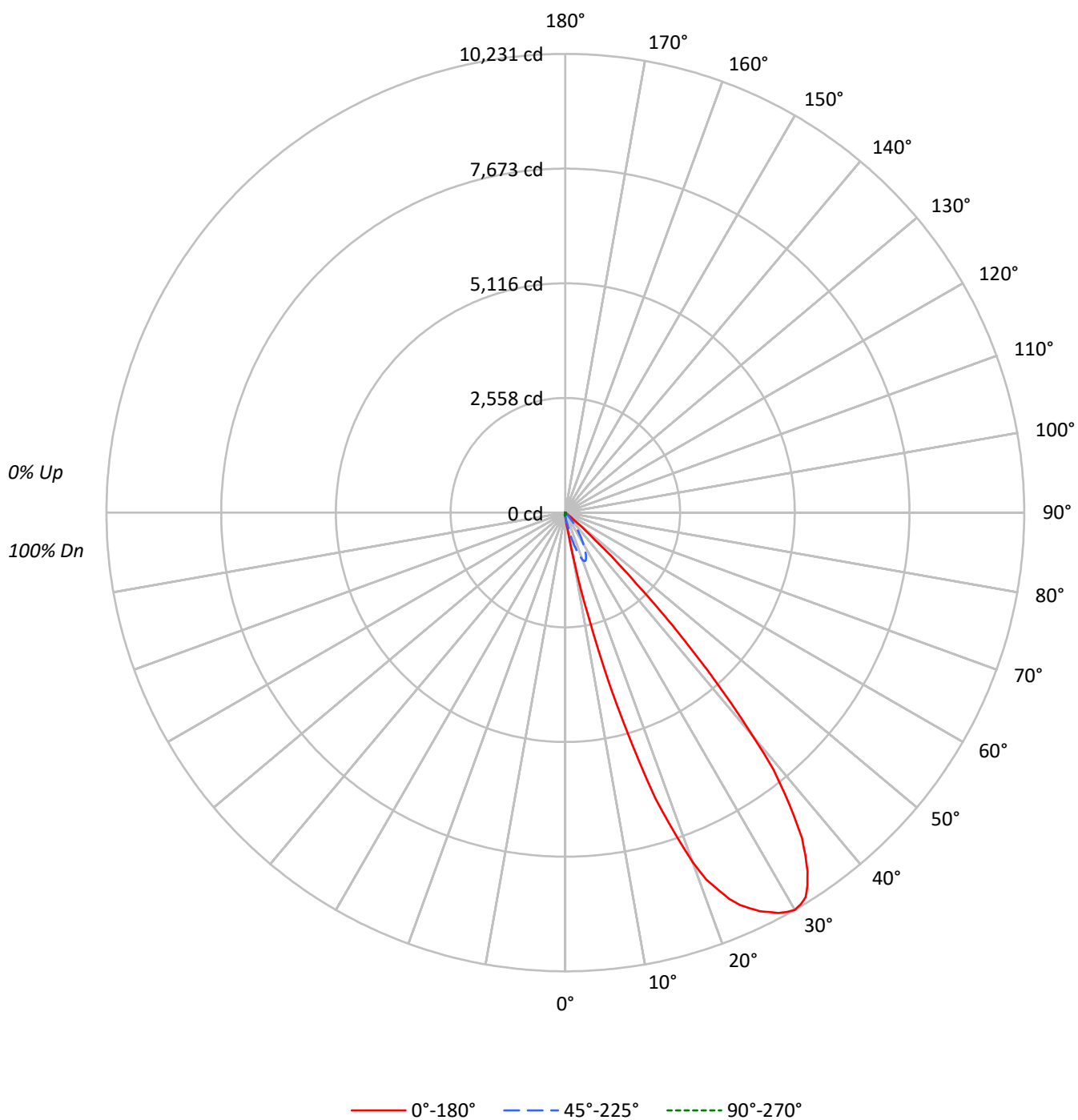
Lumens per Lamp: N/A
Luminaire Lumens: 2046.9 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



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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	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°	15138	15138	15138	15138	15138
5°	37965	28059	14193	7261	5619
10°	165996	47760	11682	3340	2343
15°	789343	128713	8166	1355	1016
20°	1519501	206167	5242	348	348
25°	1850575	207965	2907	0	0
30°	2034633	159132	1134	0	0
35°	1960724	101191	399	0	0
40°	1465044	43795	0	0	427
45°	542383	11618	463	463	1388
50°	63955	1527	1018	1018	2036
55°	6305	0	1141	1711	2852
60°	654	0	1963	2618	3272
65°	774	774	3097	3871	4686
70°	957	957	3827	3827	5791
75°	1264	1264	3793	3793	5057
80°	0	1884	5653	3769	5653
85°	0	3754	11263	3754	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 542383 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	0.6
10°-20°	238.6	11.7
20°-30°	749.1	36.6
30°-40°	788.5	38.5
40°-50°	231.7	11.3
50°-60°	12.4	0.6
60°-70°	6.0	0.3
70°-80°	5.2	0.3
80°-90°	2.7	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°	1000.5	48.9
0°-40°	1789.0	87.4
0°-60°	2033.1	99.3
0°-90°	2046.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2046.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	88	88	88	88	88	
5°	220	162	82	42	32	39
15°	4427	722	46	8	6	1396
25°	9738	1094	15	0	0	4467
35°	9326	481	2	0	0	5628
45°	2227	48	2	2	6	2024
55°	21	0	4	6	10	53
65°	2	2	8	10	12	2
75°	2	2	6	6	8	1
85°	0	2	6	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°	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
2.5°	135.6	137.5	131.8	135.6	131.8	129.9	128.0	118.4	103.1	87.9	72.6
5°	219.6	219.6	210.1	208.2	204.4	196.7	189.1	162.3	116.5	82.1	57.3
7.5°	343.8	341.9	338.0	328.5	309.4	290.3	271.2	212.0	128.0	76.4	43.9
10°	949.2	935.8	918.7	815.5	699.0	595.9	506.1	273.1	137.5	66.8	32.5
12.5°	2358.7	2282.3	2100.9	1894.6	1631.0	1354.1	1082.9	445.0	141.3	55.4	22.9
15°	4427.1	4268.6	3985.9	3573.4	3034.8	2429.4	1913.7	721.9	137.5	45.8	17.2
17.5°	6684.6	6531.8	6140.3	5513.8	4721.2	3791.1	2878.2	956.8	128.0	38.2	11.5
20°	8290.8	8128.4	7761.7	7097.1	6239.6	5000.1	3789.2	1124.9	120.3	28.6	5.7
21°	8760.6	8598.3	8210.6	7568.8	6667.4	5424.1	4081.4	1153.6	114.6	24.8	3.8
22°	9058.5	8963.1	8546.7	7924.1	7005.4	5764.0	4331.6	1166.9	110.8	22.9	3.8
23°	9358.4	9215.2	8825.5	8168.5	7263.3	6016.1	4516.9	1157.4	107.0	19.1	1.9
24°	9579.9	9459.6	9007.0	8357.6	7442.8	6170.8	4625.7	1132.6	101.2	17.2	1.9
25°	9738.5	9627.7	9156.0	8485.6	7563.1	6254.8	4660.1	1094.4	95.5	15.3	1.9
26°	9889.3	9769.0	9280.1	8560.1	7626.1	6281.6	4627.6	1052.3	89.8	13.4	0.0
27°	9998.2	9876.0	9366.0	8604.0	7630.0	6249.1	4539.8	995.0	84.0	11.5	0.0
28°	10114.7	9973.4	9425.2	8628.8	7607.0	6172.7	4413.7	933.9	80.2	9.5	0.0
29°	10185.4	10051.7	9486.4	8655.6	7559.3	6044.8	4230.4	861.4	70.7	5.7	0.0
30°	10231.2	10072.7	9480.6	8626.9	7496.3	5907.2	4010.7	800.2	61.1	5.7	0.0
31°	10193.0	10026.9	9419.5	8546.7	7395.0	5727.7	3785.4	723.8	49.7	3.8	0.0
32°	10110.9	9914.2	9312.6	8407.3	7213.6	5496.6	3552.4	660.8	36.3	3.8	0.0
33°	9910.4	9744.2	9119.7	8220.1	6976.8	5183.4	3248.7	599.7	24.8	1.9	0.0
34°	9658.2	9492.1	8856.1	7969.9	6659.7	4778.5	2880.1	536.7	21.0	1.9	0.0
35°	9325.9	9161.7	8558.2	7620.4	6239.6	4291.5	2500.0	481.3	17.2	1.9	0.0
36°	8976.4	8758.7	8181.9	7248.0	5676.2	3737.6	2093.2	418.3	13.4	1.9	0.0
37°	8462.7	8315.6	7675.8	6680.7	5066.9	3206.7	1797.2	361.0	9.5	1.9	0.0
38°	7929.8	7794.2	7169.7	6109.7	4387.0	2681.5	1505.0	305.6	7.6	0.0	0.0
39°	7379.8	7154.4	6537.5	5378.2	3674.6	2246.0	1266.2	255.9	3.8	0.0	0.0
40°	6516.5	6344.6	5685.7	4499.7	3040.5	1820.1	1079.1	194.8	3.8	0.0	0.0
42.5°	4320.1	4159.7	3468.3	2440.8	1615.8	1063.8	712.4	76.4	0.0	1.9	0.0
45°	2226.9	2125.7	1726.5	1277.7	916.7	653.2	458.4	47.7	0.0	1.9	1.9
47.5°	884.3	867.1	783.0	676.1	521.4	387.7	250.2	21.0	0.0	1.9	1.9
50°	238.7	240.6	225.4	208.2	189.1	177.6	105.0	5.7	0.0	3.8	1.9
52.5°	101.2	103.1	99.3	93.6	84.0	63.0	42.0	1.9	1.9	3.8	3.8
55°	21.0	22.9	24.8	26.7	30.6	26.7	17.2	0.0	1.9	3.8	3.8
57.5°	3.8	3.8	3.8	3.8	5.7	5.7	3.8	0.0	1.9	3.8	5.7
60°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	3.8	5.7	5.7
62.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	5.7	7.6
65°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	7.6	7.6
67.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	5.7	7.6	7.6
70°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	5.7	7.6	7.6
72.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	5.7	7.6	5.7
75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	5.7	5.7	5.7
77.5°	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	3.8	5.7	5.7
80°	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	3.8	5.7	3.8



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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	1.9	1.9	3.8	5.7	3.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	5.7	3.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	5.7	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):

	135°	157.5°	180°
0°	87.9	87.9	87.9
2.5°	61.1	55.4	53.5
5°	42.0	36.3	32.5
7.5°	28.6	22.9	21.0
10°	19.1	15.3	13.4
12.5°	13.4	7.6	7.6
15°	7.6	5.7	5.7
17.5°	3.8	1.9	1.9
20°	1.9	1.9	1.9
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	1.9
39°	0.0	1.9	1.9
40°	0.0	1.9	1.9
42.5°	0.0	1.9	3.8
45°	1.9	3.8	5.7
47.5°	3.8	5.7	7.6
50°	3.8	7.6	7.6
52.5°	5.7	7.6	9.5
55°	5.7	9.5	9.5
57.5°	7.6	9.5	11.5
60°	7.6	9.5	9.5
62.5°	7.6	11.5	11.5
65°	9.5	11.5	11.5
67.5°	9.5	11.5	11.5
70°	7.6	9.5	11.5
72.5°	7.6	9.5	9.5
75°	5.7	7.6	7.6
77.5°	5.7	5.7	7.6
80°	3.8	5.7	5.7



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	3.8	3.8	3.8
85°	1.9	1.9	1.9
87.5°	1.9	1.9	1.9
90°	0.0	0.0	0.0

(END OF REPORT)