

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: P1317389

Luminaire Tested: P3SQAS20R259830D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317389
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: P3SQAS20R259830D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

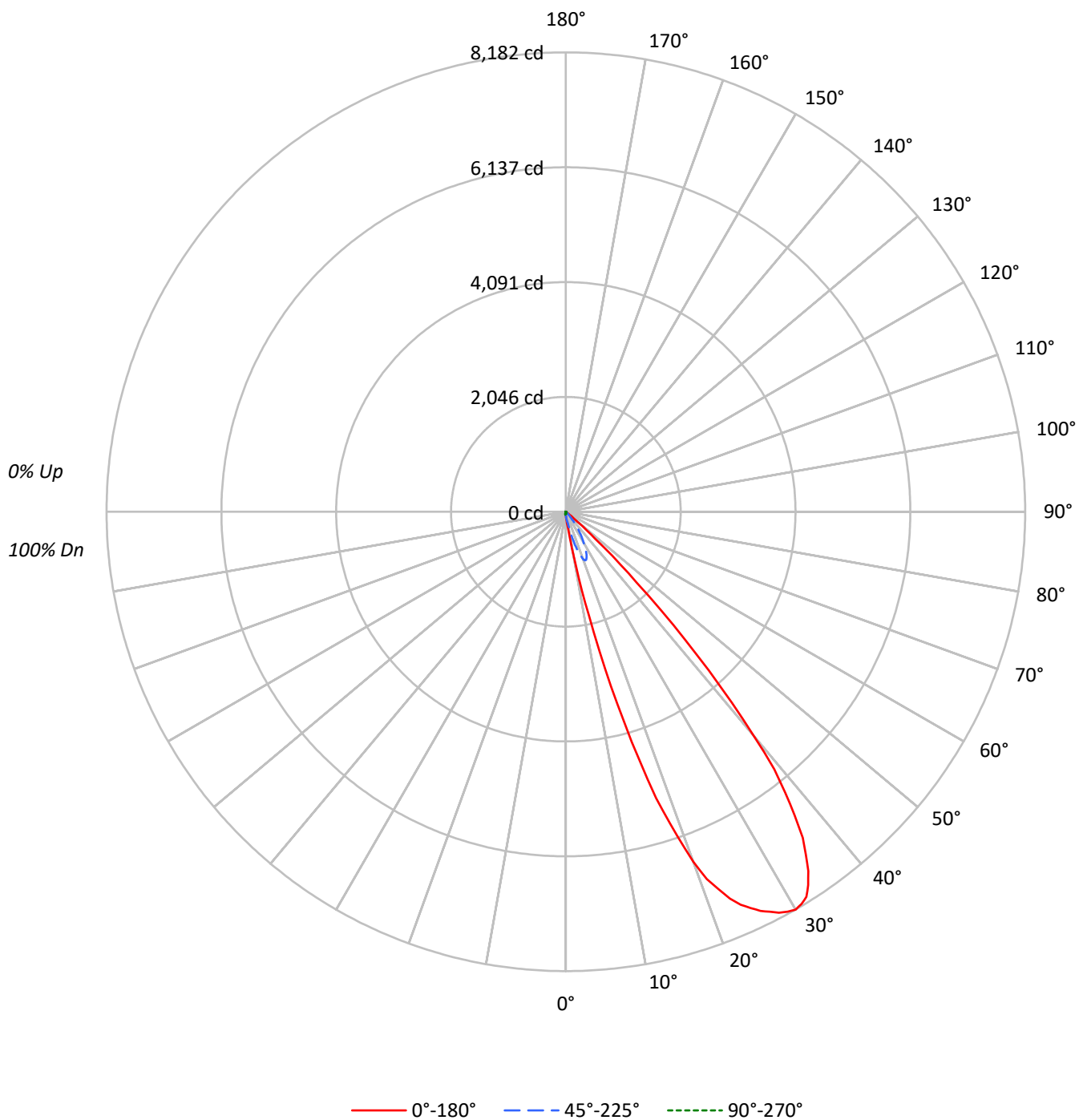
Lumens per Lamp: N/A
Luminaire Lumens: 1637.0 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12107	12107	12107	12107	12107
5°	30358	22440	11358	5809	4495
10°	132751	38194	9356	2676	1871
15°	631246	102931	6544	1088	820
20°	1215153	164875	4197	275	275
25°	1479909	166311	2318	0	0
30°	1627118	127274	915	0	0
35°	1568007	80923	315	0	0
40°	1171608	35027	0	0	337
45°	433755	9304	365	365	1120
50°	51148	1232	831	831	1634
55°	5044	0	931	1381	2282
60°	517	0	1584	2101	2618
65°	611	611	2486	3097	3749
70°	755	755	3072	3072	4633
75°	998	998	3061	3061	4059
80°	0	1488	4562	3075	4562
85°	0	2964	9090	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 433755 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.2	0.6
10°-20°	190.8	11.7
20°-30°	599.0	36.6
30°-40°	630.6	38.5
40°-50°	185.3	11.3
50°-60°	9.9	0.6
60°-70°	4.8	0.3
70°-80°	4.1	0.3
80°-90°	2.2	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°	800.1	48.9
0°-40°	1430.7	87.4
0°-60°	1625.9	99.3
0°-90°	1637.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1637.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	70	70	70	70	70	
5°	176	130	66	34	26	31
15°	3540	577	37	6	5	1116
25°	7788	875	12	0	0	3572
35°	7458	385	2	0	0	4500
45°	1781	38	2	2	5	1618
55°	17	0	3	5	8	43
65°	2	2	6	8	9	1
75°	2	2	5	5	6	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°	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
2.5°	108.4	110.0	105.4	108.4	105.4	103.9	102.3	94.7	82.5	70.3	58.0
5°	175.6	175.6	168.0	166.5	163.4	157.3	151.2	129.8	93.2	65.7	45.8
7.5°	274.9	273.4	270.3	262.7	247.4	232.2	216.9	169.5	102.3	61.1	35.1
10°	759.1	748.4	734.7	652.2	559.0	476.5	404.7	218.4	110.0	53.5	26.0
12.5°	1886.3	1825.2	1680.1	1515.1	1304.3	1082.9	866.0	355.9	113.0	44.3	18.3
15°	3540.4	3413.6	3187.6	2857.7	2426.9	1942.8	1530.4	577.3	110.0	36.7	13.7
17.5°	5345.7	5223.5	4910.4	4409.4	3775.6	3031.8	2301.7	765.2	102.3	30.5	9.2
20°	6630.2	6500.4	6207.1	5675.6	4989.8	3998.6	3030.2	899.6	96.2	22.9	4.6
21°	7005.9	6876.1	6566.0	6052.9	5332.0	4337.7	3263.9	922.5	91.6	19.9	3.1
22°	7244.2	7167.8	6834.9	6336.9	5602.3	4609.5	3464.0	933.2	88.6	18.3	3.1
23°	7484.0	7369.4	7057.8	6532.4	5808.5	4811.1	3612.2	925.6	85.5	15.3	1.5
24°	7661.1	7564.9	7202.9	6683.6	5952.1	4934.8	3699.2	905.7	80.9	13.7	1.5
25°	7787.9	7699.3	7322.1	6786.0	6048.3	5002.0	3726.7	875.2	76.4	12.2	1.5
26°	7908.6	7812.4	7421.4	6845.5	6098.7	5023.4	3700.7	841.6	71.8	10.7	0.0
27°	7995.6	7897.9	7490.1	6880.7	6101.7	4997.5	3630.5	795.7	67.2	9.2	0.0
28°	8088.8	7975.8	7537.4	6900.5	6083.4	4936.4	3529.7	746.9	64.1	7.6	0.0
29°	8145.3	8038.4	7586.3	6921.9	6045.2	4834.0	3383.1	688.8	56.5	4.6	0.0
30°	8182.0	8055.2	7581.7	6899.0	5994.8	4724.1	3207.4	640.0	48.9	4.6	0.0
31°	8151.4	8018.5	7532.8	6834.9	5913.9	4580.5	3027.2	578.9	39.7	3.1	0.0
32°	8085.7	7928.4	7447.3	6723.4	5768.8	4395.7	2840.9	528.5	29.0	3.1	0.0
33°	7925.4	7792.5	7293.1	6573.7	5579.4	4145.2	2598.0	479.6	19.9	1.5	0.0
34°	7723.8	7590.9	7082.3	6373.6	5325.8	3821.4	2303.2	429.2	16.8	1.5	0.0
35°	7458.0	7326.7	6844.0	6094.1	4989.8	3431.9	1999.3	384.9	13.7	1.5	0.0
36°	7178.5	7004.4	6543.1	5796.3	4539.3	2989.0	1674.0	334.5	10.7	1.5	0.0
37°	6767.7	6650.0	6138.4	5342.6	4052.0	2564.4	1437.2	288.7	7.6	1.5	0.0
38°	6341.5	6233.1	5733.6	4886.0	3508.3	2144.4	1203.5	244.4	6.1	0.0	0.0
39°	5901.6	5721.4	5228.1	4301.0	2938.6	1796.2	1012.6	204.7	3.1	0.0	0.0
40°	5211.3	5073.8	4546.9	3598.4	2431.5	1455.6	862.9	155.8	3.1	0.0	0.0
42.5°	3454.8	3326.6	2773.7	1951.9	1292.1	850.7	569.7	61.1	0.0	1.5	0.0
45°	1780.9	1699.9	1380.7	1021.8	733.1	522.4	366.6	38.2	0.0	1.5	1.5
47.5°	707.2	693.4	626.2	540.7	417.0	310.1	200.1	16.8	0.0	1.5	1.5
50°	190.9	192.4	180.2	166.5	151.2	142.0	84.0	4.6	0.0	3.1	1.5
52.5°	80.9	82.5	79.4	74.8	67.2	50.4	33.6	1.5	1.5	3.1	3.1
55°	16.8	18.3	19.9	21.4	24.4	21.4	13.7	0.0	1.5	3.1	3.1
57.5°	3.1	3.1	3.1	3.1	4.6	4.6	3.1	0.0	1.5	3.1	4.6
60°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	3.1	4.6	4.6
62.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.1	4.6	6.1
65°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.1	6.1	6.1
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.6	6.1	6.1
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.6	6.1	6.1
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.6	6.1	4.6
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.6	4.6	4.6
77.5°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	3.1	4.6	4.6
80°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	3.1	4.6	3.1



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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	1.5	1.5	3.1	4.6	3.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.1	4.6	3.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.1	4.6	3.1
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°	70.3	70.3	70.3
2.5°	48.9	44.3	42.8
5°	33.6	29.0	26.0
7.5°	22.9	18.3	16.8
10°	15.3	12.2	10.7
12.5°	10.7	6.1	6.1
15°	6.1	4.6	4.6
17.5°	3.1	1.5	1.5
20°	1.5	1.5	1.5
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	1.5
39°	0.0	1.5	1.5
40°	0.0	1.5	1.5
42.5°	0.0	1.5	3.1
45°	1.5	3.1	4.6
47.5°	3.1	4.6	6.1
50°	3.1	6.1	6.1
52.5°	4.6	6.1	7.6
55°	4.6	7.6	7.6
57.5°	6.1	7.6	9.2
60°	6.1	7.6	7.6
62.5°	6.1	9.2	9.2
65°	7.6	9.2	9.2
67.5°	7.6	9.2	9.2
70°	6.1	7.6	9.2
72.5°	6.1	7.6	7.6
75°	4.6	6.1	6.1
77.5°	4.6	4.6	6.1
80°	3.1	4.6	4.6

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	3.1	3.1	3.1
85°	1.5	1.5	1.5
87.5°	1.5	1.5	1.5
90°	0.0	0.0	0.0

(END OF REPORT)