

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: P1309261

Luminaire Tested: P3SQAS17R259035DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309261
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259035DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

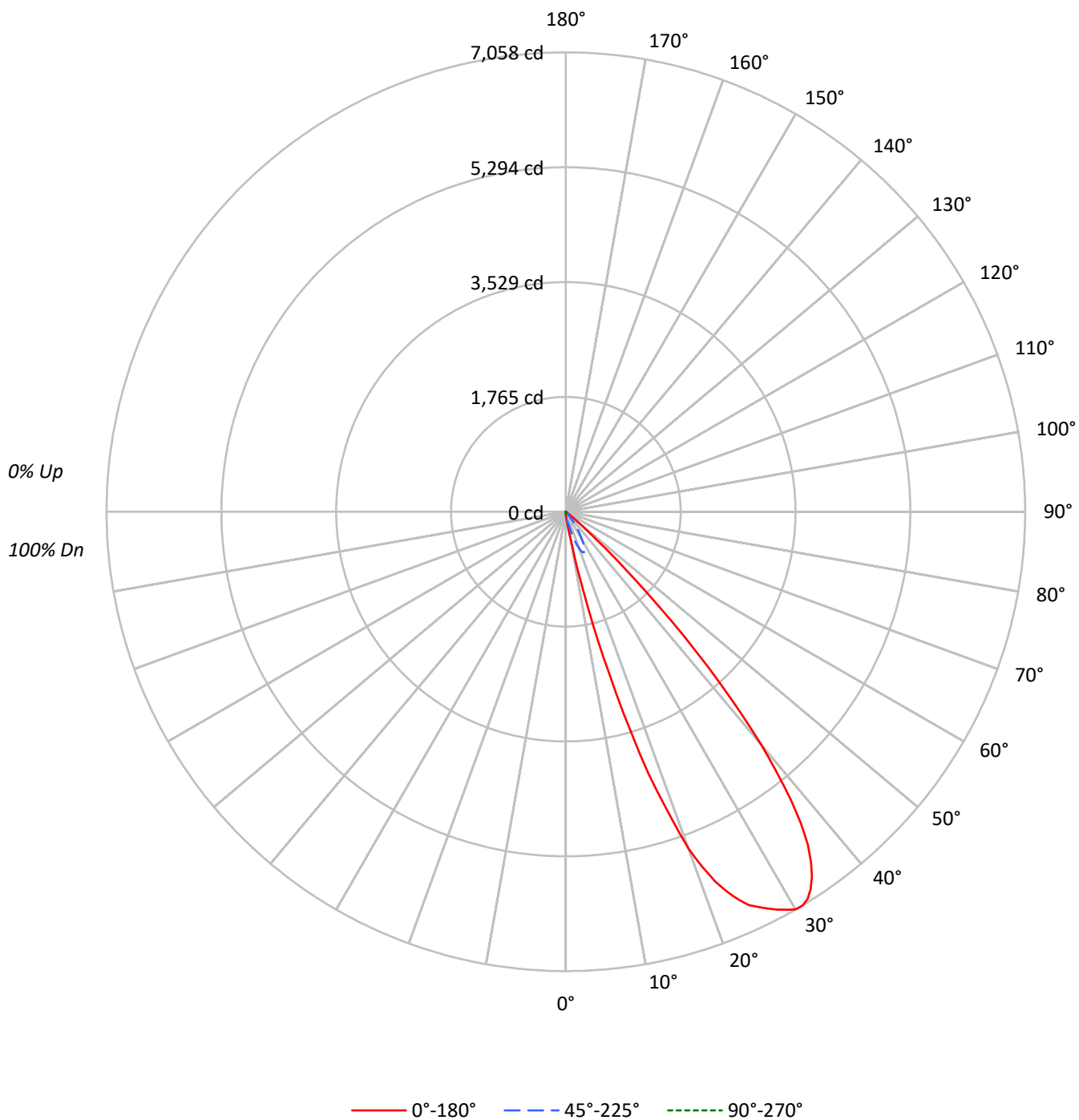
Lumens per Lamp: N/A
Luminaire Lumens: 1383.0 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51
8	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7526	7526	7526	7526	7526
5°	23581	16493	6863	3665	2749
10°	74359	29887	5089	455	0
15°	459848	56913	3067	0	0
20°	1008235	110955	971	0	0
25°	1267402	127622	0	0	0
30°	1402997	98777	0	0	0
35°	1381079	55988	0	0	0
40°	1049778	14591	0	0	0
45°	425231	6454	0	0	0
50°	47209	697	0	0	0
55°	3573	0	390	0	0
60°	0	0	448	0	0
65°	0	0	1060	0	0
70°	0	655	1309	0	0
75°	0	865	2662	0	0
80°	0	1289	3967	0	0
85°	0	2569	7904	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 425231 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	0.5
10°-20°	142.8	10.3
20°-30°	499.3	36.1
30°-40°	557.0	40.3
40°-50°	168.2	12.2
50°-60°	5.6	0.4
60°-70°	0.7	0.1
70°-80°	1.2	0.1
80°-90°	1.1	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°	649.0	46.9
0°-40°	1206.1	87.2
0°-60°	1379.9	99.8
0°-90°	1383.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1383.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	44	44	44	44	44	
5°	136	95	40	21	16	21
15°	2579	319	17	0	0	857
25°	6670	672	0	0	0	3043
35°	6569	266	0	0	0	3944
45°	1746	26	0	0	0	1508
55°	12	0	1	0	0	37
65°	0	0	3	0	0	0
75°	0	1	4	0	0	0
85°	0	1	4	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
2.5°	75.5	78.2	76.8	78.2	76.8	76.8	76.8	78.2	76.8	76.8	76.8
5°	136.4	137.8	137.8	136.4	136.4	139.1	136.4	137.8	133.8	136.4	135.1
7.5°	223.9	221.2	221.2	222.5	222.5	219.9	218.6	215.9	218.6	218.6	214.6
10°	425.2	422.6	415.9	413.3	415.9	415.9	402.7	405.3	406.7	394.7	390.8
12.5°	1249.1	1239.9	1258.4	1229.3	1212.0	1184.2	1200.1	1145.8	1133.9	1125.9	1107.4
15°	2579.1	2649.3	2618.8	2621.5	2626.8	2560.5	2583.0	2500.9	2432.0	2410.8	2396.3
17.5°	4205.7	4226.9	4199.1	4185.9	4180.6	4148.8	4110.4	4069.3	4016.3	3969.9	3931.5
20°	5501.2	5485.3	5437.6	5442.9	5386.0	5356.8	5323.7	5282.7	5241.6	5174.0	5109.1
21°	5843.0	5796.6	5797.9	5766.2	5764.8	5727.7	5669.5	5627.1	5590.0	5513.2	5472.1
22°	6123.8	6113.2	6089.4	6065.5	6040.4	6021.8	5956.9	5935.7	5860.2	5796.6	5738.3
23°	6342.4	6346.3	6325.2	6309.3	6274.8	6266.9	6183.4	6154.3	6102.6	6005.9	5946.3
24°	6523.9	6517.2	6493.4	6465.6	6445.7	6427.2	6363.6	6315.9	6258.9	6179.4	6121.2
25°	6669.6	6653.7	6637.8	6616.6	6584.8	6563.6	6498.7	6445.7	6396.7	6307.9	6228.5
26°	6755.7	6759.6	6734.5	6718.6	6690.8	6669.6	6602.0	6539.7	6478.8	6383.4	6311.9
27°	6843.1	6839.1	6816.6	6792.8	6763.6	6755.7	6677.5	6612.6	6550.3	6449.7	6364.9
28°	6923.9	6913.3	6894.8	6866.9	6835.1	6811.3	6735.8	6668.2	6600.7	6493.4	6400.7
29°	6991.4	6980.9	6968.9	6933.2	6892.1	6876.2	6795.4	6713.3	6645.7	6535.8	6437.7
30°	7055.0	7035.2	7007.3	6976.9	6937.1	6906.7	6821.9	6750.4	6670.9	6549.0	6455.0
31°	7057.7	7031.2	7011.3	6979.5	6934.5	6897.4	6808.6	6735.8	6643.1	6529.1	6427.2
32°	7011.3	6998.1	6966.3	6931.8	6888.1	6851.0	6753.0	6676.2	6588.8	6466.9	6364.9
33°	6906.7	6893.4	6874.9	6839.1	6782.2	6747.7	6660.3	6575.5	6489.4	6379.5	6262.9
34°	6762.3	6746.4	6722.5	6686.8	6628.5	6592.7	6522.5	6435.1	6343.7	6229.8	6121.2
35°	6568.9	6538.4	6531.8	6478.8	6424.5	6415.2	6331.8	6240.4	6147.7	6021.8	5927.8
36°	6329.1	6293.4	6269.5	6251.0	6215.2	6171.5	6089.4	6016.5	5897.3	5816.5	5684.0
37°	6001.9	5958.2	5980.7	5930.4	5874.8	5856.2	5751.6	5685.4	5584.7	5474.7	5362.1
38°	5620.4	5616.5	5611.2	5588.7	5493.3	5444.3	5400.6	5330.4	5242.9	5110.5	4958.1
39°	5138.3	5146.2	5118.4	5121.1	5073.4	5024.4	4963.4	4883.9	4778.0	4657.4	4534.2
40°	4669.4	4556.8	4576.6	4509.1	4513.0	4440.2	4360.7	4290.5	4223.0	4117.0	3948.8
42.5°	3230.8	3213.6	3154.0	3111.6	3130.1	3036.1	2931.4	2833.4	2739.4	2620.1	2473.1
45°	1745.9	1706.1	1718.1	1649.2	1649.2	1606.8	1577.6	1495.5	1408.1	1353.8	1269.0
47.5°	649.1	657.0	671.6	643.8	612.0	630.5	602.7	602.7	588.1	570.9	547.1
50°	176.2	178.8	176.2	176.2	172.2	169.6	164.3	162.9	161.6	157.6	151.0
52.5°	71.5	67.6	67.6	68.9	68.9	66.2	67.6	67.6	66.2	64.9	64.9
55°	11.9	13.2	13.2	13.2	13.2	11.9	11.9	13.2	14.6	13.2	13.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
2.5°	74.2	64.9	54.3	45.0	35.8	30.5	27.8	29.1
5°	125.8	95.4	62.3	39.7	27.8	21.2	17.2	15.9
7.5°	193.4	131.1	70.2	34.4	21.2	10.6	6.6	5.3
10°	296.7	170.9	75.5	29.1	13.2	2.6	0.0	0.0
12.5°	761.7	209.3	76.8	23.8	5.3	0.0	0.0	0.0
15°	1565.7	319.2	74.2	17.2	1.3	0.0	0.0	0.0
17.5°	2602.9	488.8	64.9	11.9	0.0	0.0	0.0	0.0
20°	3611.0	605.4	51.7	5.3	0.0	0.0	0.0	0.0
21°	3914.3	639.8	46.4	4.0	0.0	0.0	0.0	0.0
22°	4162.0	665.0	41.1	2.6	0.0	0.0	0.0	0.0
23°	4368.7	678.2	35.8	1.3	0.0	0.0	0.0	0.0
24°	4513.0	680.9	33.1	1.3	0.0	0.0	0.0	0.0
25°	4581.9	671.6	29.1	0.0	0.0	0.0	0.0	0.0
26°	4608.4	653.0	26.5	0.0	0.0	0.0	0.0	0.0
27°	4588.6	629.2	23.8	0.0	0.0	0.0	0.0	0.0
28°	4552.8	593.4	19.9	0.0	0.0	0.0	0.0	0.0
29°	4482.6	545.8	17.2	0.0	0.0	0.0	0.0	0.0
30°	4415.0	496.7	14.6	0.0	0.0	0.0	0.0	0.0
31°	4338.2	453.0	11.9	0.0	0.0	0.0	0.0	0.0
32°	4244.1	402.7	9.3	0.0	0.0	0.0	0.0	0.0
33°	4087.8	356.3	6.6	0.0	0.0	0.0	0.0	0.0
34°	3869.3	312.6	5.3	0.0	0.0	0.0	0.0	0.0
35°	3576.5	266.3	4.0	0.0	0.0	0.0	0.0	0.0
36°	3256.0	217.2	2.6	0.0	0.0	0.0	0.0	0.0
37°	2863.9	157.6	2.6	0.0	0.0	0.0	0.0	0.0
38°	2454.6	99.3	1.3	0.0	0.0	0.0	0.0	0.0
39°	2036.0	75.5	1.3	0.0	0.0	0.0	0.0	0.0
40°	1653.2	64.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	884.9	43.7	0.0	0.0	0.0	0.0	0.0	0.0
45°	521.9	26.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	291.4	10.6	0.0	0.0	0.0	0.0	0.0	0.0
50°	104.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	41.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	14.6	0.0	0.0	1.3	0.0	0.0	0.0	0.0
57.5°	1.3	0.0	1.3	1.3	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.3	2.6	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.6	2.6	1.3	0.0	0.0	0.0
67.5°	0.0	1.3	2.6	2.6	1.3	0.0	0.0	0.0
70°	0.0	1.3	2.6	2.6	1.3	0.0	0.0	0.0
72.5°	0.0	1.3	2.6	4.0	1.3	0.0	0.0	0.0
75°	0.0	1.3	2.6	4.0	1.3	0.0	0.0	0.0
77.5°	0.0	1.3	2.6	4.0	1.3	0.0	0.0	0.0
80°	0.0	1.3	2.6	4.0	1.3	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	1.3	2.6	4.0	1.3	0.0	0.0	0.0
85°	0.0	1.3	2.6	4.0	1.3	0.0	0.0	0.0
87.5°	0.0	1.3	2.6	4.0	1.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)