

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: P1311456

Luminaire Tested: P3SQAS17R259050DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311456
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: P3SQAS17R259050DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

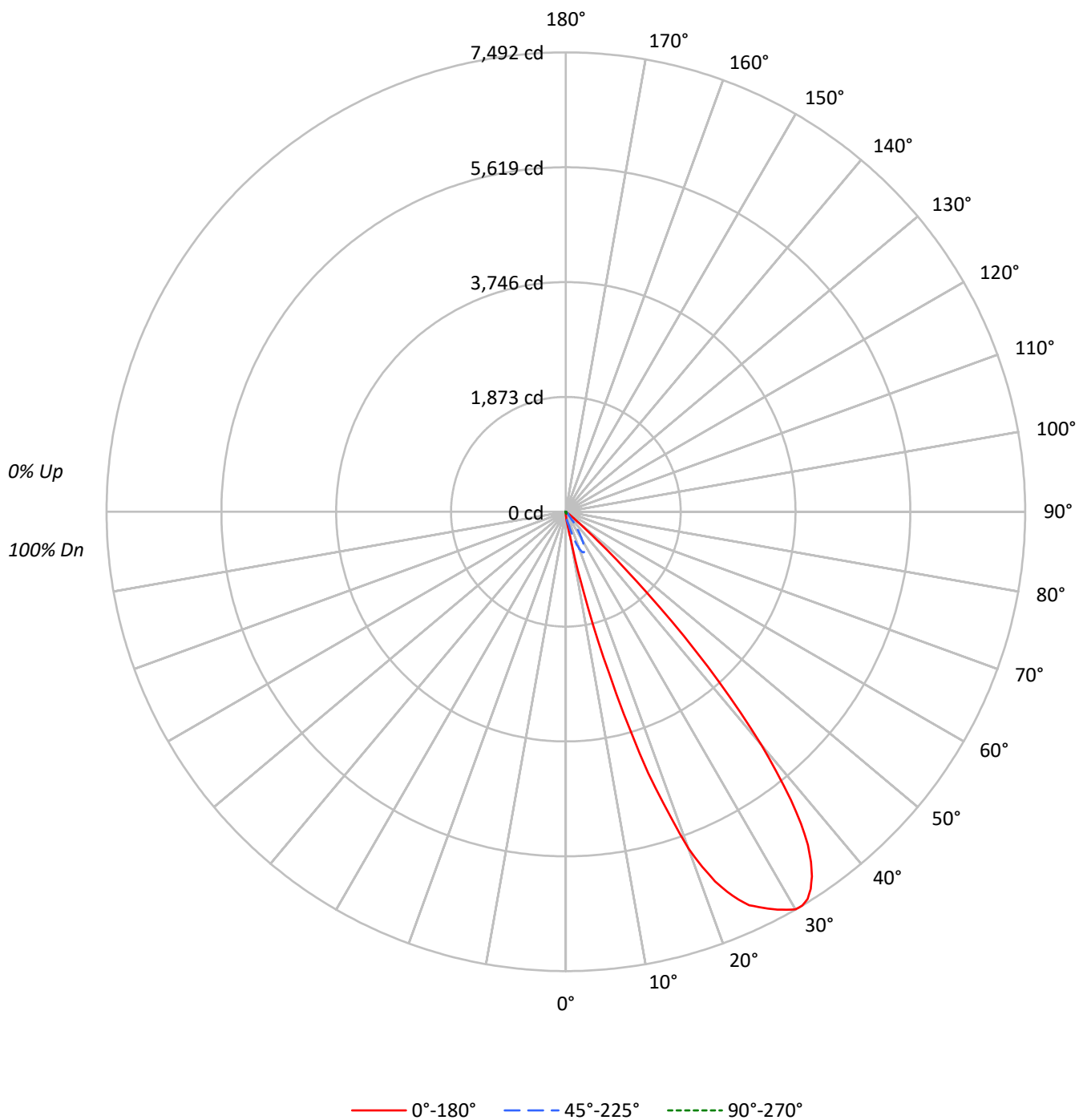
Lumens per Lamp: N/A
Luminaire Lumens: 1468.0 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	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	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7991	7991	7991	7991	7991
5°	25033	17496	7296	3890	2922
10°	78923	31723	5404	490	0
15°	488109	60425	3263	0	0
20°	1070201	117773	1026	0	0
25°	1345294	135470	0	0	0
30°	1489225	104862	0	0	0
35°	1465954	59415	0	0	0
40°	1114279	15490	0	0	0
45°	451365	6844	0	0	0
50°	50103	750	0	0	0
55°	3813	0	420	0	0
60°	0	0	482	0	0
65°	0	0	1141	0	0
70°	0	705	1410	0	0
75°	0	932	2795	0	0
80°	0	1389	4166	0	0
85°	0	2766	8299	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 451365 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.3	0.5
10°-20°	151.6	10.3
20°-30°	530.0	36.1
30°-40°	591.3	40.3
40°-50°	178.6	12.2
50°-60°	6.0	0.4
60°-70°	0.8	0.1
70°-80°	1.3	0.1
80°-90°	1.2	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°	688.9	46.9
0°-40°	1280.2	87.2
0°-60°	1464.8	99.8
0°-90°	1468.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1468.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	46	46	46	46	46	
5°	145	101	42	22	17	22
15°	2738	339	18	0	0	910
25°	7080	713	0	0	0	3230
35°	6973	283	0	0	0	4186
45°	1853	28	0	0	0	1601
55°	13	0	1	0	0	39
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°	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
2.5°	80.1	83.0	81.6	83.0	81.6	81.6	81.6	83.0	81.6	81.6	81.6
5°	144.8	146.2	146.2	144.8	144.8	147.6	144.8	146.2	142.0	144.8	143.4
7.5°	237.6	234.8	234.8	236.2	236.2	233.4	232.0	229.2	232.0	232.0	227.8
10°	451.3	448.5	441.5	438.7	441.5	441.5	427.4	430.3	431.7	419.0	414.8
12.5°	1325.9	1316.1	1335.8	1304.8	1286.5	1257.0	1273.9	1216.2	1203.6	1195.1	1175.5
15°	2737.6	2812.1	2779.8	2782.6	2788.2	2717.9	2741.8	2654.6	2581.5	2559.0	2543.5
17.5°	4464.2	4486.7	4457.2	4443.1	4437.5	4403.8	4363.0	4319.4	4263.2	4213.9	4173.2
20°	5839.3	5822.5	5771.8	5777.5	5717.0	5686.1	5650.9	5607.3	5563.8	5492.0	5423.1
21°	6202.1	6152.9	6154.3	6120.5	6119.1	6079.8	6017.9	5972.9	5933.5	5852.0	5808.4
22°	6500.2	6488.9	6463.6	6438.3	6411.6	6391.9	6323.0	6300.5	6220.4	6152.9	6091.0
23°	6732.2	6736.4	6713.9	6697.0	6660.5	6652.0	6563.5	6532.5	6477.7	6375.0	6311.8
24°	6924.8	6917.8	6892.5	6862.9	6841.9	6822.2	6754.7	6704.1	6643.6	6559.2	6497.4
25°	7079.5	7062.6	7045.7	7023.2	6989.5	6967.0	6898.1	6841.9	6789.8	6695.6	6611.3
26°	7170.9	7175.1	7148.4	7131.5	7102.0	7079.5	7007.8	6941.7	6877.0	6775.8	6699.8
27°	7263.7	7259.5	7235.5	7210.2	7179.3	7170.9	7087.9	7019.0	6952.9	6846.1	6756.1
28°	7349.4	7338.2	7318.5	7289.0	7255.2	7229.9	7149.8	7078.1	7006.4	6892.5	6794.0
29°	7421.1	7409.9	7397.2	7359.3	7315.7	7298.8	7213.1	7125.9	7054.2	6937.5	6833.4
30°	7488.6	7467.5	7438.0	7405.7	7363.5	7331.2	7241.2	7165.2	7080.9	6951.5	6851.7
31°	7491.5	7463.3	7442.2	7408.5	7360.7	7321.3	7227.1	7149.8	7051.4	6930.4	6822.2
32°	7442.2	7428.2	7394.4	7357.9	7311.5	7272.1	7168.1	7086.5	6993.7	6864.4	6756.1
33°	7331.2	7317.1	7297.4	7259.5	7199.0	7162.4	7069.6	6979.6	6888.3	6771.6	6647.8
34°	7177.9	7161.0	7135.7	7097.8	7035.9	6997.9	6923.4	6830.6	6733.6	6612.7	6497.4
35°	6972.6	6940.3	6933.2	6877.0	6819.4	6809.5	6720.9	6623.9	6525.5	6391.9	6292.1
36°	6718.1	6680.2	6654.8	6635.2	6597.2	6550.8	6463.6	6386.3	6259.7	6174.0	6033.4
37°	6370.8	6324.4	6348.3	6294.9	6235.8	6216.2	6105.1	6034.8	5927.9	5811.2	5691.7
38°	5965.9	5961.7	5956.0	5932.1	5830.9	5778.9	5732.5	5658.0	5565.2	5424.6	5262.9
39°	5454.1	5462.5	5433.0	5435.8	5385.2	5333.2	5268.5	5184.1	5071.6	4943.7	4812.9
40°	4956.3	4836.8	4857.9	4786.2	4790.4	4713.1	4628.7	4554.2	4482.5	4370.0	4191.4
42.5°	3429.4	3411.1	3347.8	3302.8	3322.5	3222.7	3111.6	3007.5	2907.7	2781.2	2625.1
45°	1853.2	1811.0	1823.7	1750.5	1750.5	1705.5	1674.6	1587.4	1494.6	1437.0	1347.0
47.5°	689.0	697.4	712.9	683.3	649.6	669.3	639.8	639.8	624.3	606.0	580.7
50°	187.0	189.8	187.0	187.0	182.8	180.0	174.4	172.9	171.5	167.3	160.3
52.5°	75.9	71.7	71.7	73.1	73.1	70.3	71.7	71.7	70.3	68.9	68.9
55°	12.7	14.1	14.1	14.1	14.1	12.7	12.7	14.1	15.5	14.1	14.1
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°	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
2.5°	78.7	68.9	57.6	47.8	38.0	32.3	29.5	30.9
5°	133.6	101.2	66.1	42.2	29.5	22.5	18.3	16.9
7.5°	205.3	139.2	74.5	36.6	22.5	11.2	7.0	5.6
10°	315.0	181.4	80.1	30.9	14.1	2.8	0.0	0.0
12.5°	808.5	222.2	81.6	25.3	5.6	0.0	0.0	0.0
15°	1662.0	338.9	78.7	18.3	1.4	0.0	0.0	0.0
17.5°	2762.9	518.8	68.9	12.7	0.0	0.0	0.0	0.0
20°	3832.9	642.6	54.8	5.6	0.0	0.0	0.0	0.0
21°	4154.9	679.1	49.2	4.2	0.0	0.0	0.0	0.0
22°	4417.8	705.8	43.6	2.8	0.0	0.0	0.0	0.0
23°	4637.2	719.9	38.0	1.4	0.0	0.0	0.0	0.0
24°	4790.4	722.7	35.2	1.4	0.0	0.0	0.0	0.0
25°	4863.5	712.9	30.9	0.0	0.0	0.0	0.0	0.0
26°	4891.7	693.2	28.1	0.0	0.0	0.0	0.0	0.0
27°	4870.6	667.9	25.3	0.0	0.0	0.0	0.0	0.0
28°	4832.6	629.9	21.1	0.0	0.0	0.0	0.0	0.0
29°	4758.1	579.3	18.3	0.0	0.0	0.0	0.0	0.0
30°	4686.4	527.3	15.5	0.0	0.0	0.0	0.0	0.0
31°	4604.8	480.9	12.7	0.0	0.0	0.0	0.0	0.0
32°	4505.0	427.4	9.8	0.0	0.0	0.0	0.0	0.0
33°	4339.1	378.2	7.0	0.0	0.0	0.0	0.0	0.0
34°	4107.1	331.8	5.6	0.0	0.0	0.0	0.0	0.0
35°	3796.3	282.6	4.2	0.0	0.0	0.0	0.0	0.0
36°	3456.1	230.6	2.8	0.0	0.0	0.0	0.0	0.0
37°	3039.9	167.3	2.8	0.0	0.0	0.0	0.0	0.0
38°	2605.4	105.5	1.4	0.0	0.0	0.0	0.0	0.0
39°	2161.1	80.1	1.4	0.0	0.0	0.0	0.0	0.0
40°	1754.8	68.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	939.2	46.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	554.0	28.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	309.3	11.2	0.0	0.0	0.0	0.0	0.0	0.0
50°	111.1	2.8	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	43.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	15.5	0.0	0.0	1.4	0.0	0.0	0.0	0.0
57.5°	1.4	0.0	1.4	1.4	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.4	1.4	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.4	2.8	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.8	2.8	1.4	0.0	0.0	0.0
67.5°	0.0	1.4	2.8	2.8	1.4	0.0	0.0	0.0
70°	0.0	1.4	2.8	2.8	1.4	0.0	0.0	0.0
72.5°	0.0	1.4	2.8	4.2	1.4	0.0	0.0	0.0
75°	0.0	1.4	2.8	4.2	1.4	0.0	0.0	0.0
77.5°	0.0	1.4	2.8	4.2	1.4	0.0	0.0	0.0
80°	0.0	1.4	2.8	4.2	1.4	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	1.4	2.8	4.2	1.4	0.0	0.0	0.0
85°	0.0	1.4	2.8	4.2	1.4	0.0	0.0	0.0
87.5°	0.0	1.4	2.8	4.2	1.4	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)