

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: P1312580

Luminaire Tested: P3SQAS17R309727DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309727DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

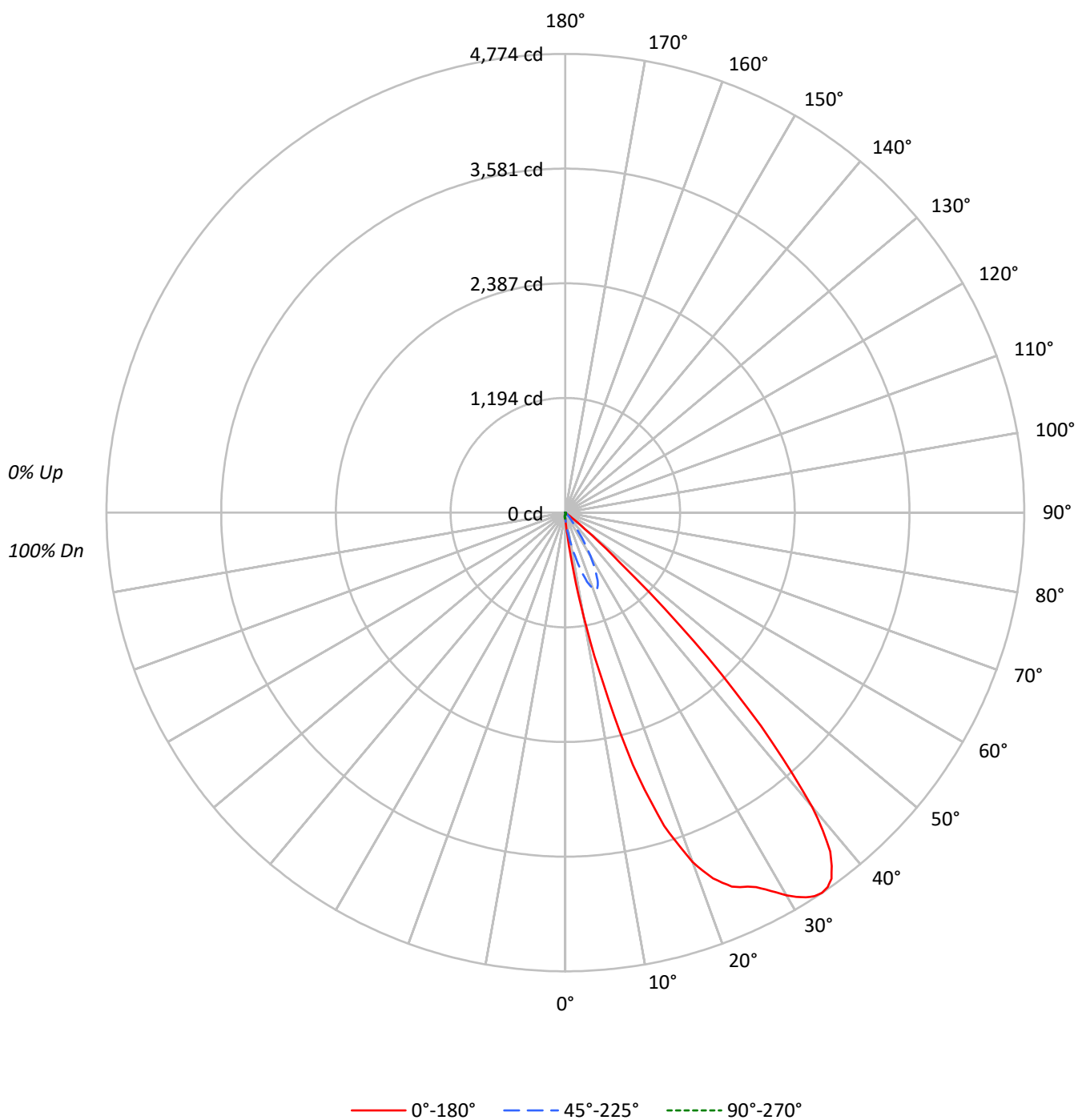
Lumens per Lamp: N/A
Luminaire Lumens: 1149.0 lumens
Efficiency: N/A
Efficacy: 54.2 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	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	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10592	10592	10592	10592	10592
5°	38397	23858	9699	3907	2801
10°	190076	57133	7537	752	0
15°	484864	108815	4814	0	0
20°	708470	154740	1979	0	0
25°	817343	151831	418	0	0
30°	914762	104206	0	0	0
35°	1000430	44887	0	0	0
40°	897911	17446	0	0	0
45°	458550	7088	0	0	0
50°	70787	857	0	0	0
55°	4204	0	330	0	0
60°	0	0	379	0	0
65°	0	0	897	0	0
70°	0	554	1108	0	0
75°	0	732	2129	0	0
80°	0	1091	3174	0	0
85°	0	2174	6323	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 458550 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	1.1
10°-20°	153.1	13.3
20°-30°	378.3	32.9
30°-40°	435.1	37.9
40°-50°	161.4	14.0
50°-60°	5.9	0.5
60°-70°	0.6	0.1
70°-80°	1.0	0.1
80°-90°	0.9	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°	544.3	47.4
0°-40°	979.3	85.2
0°-60°	1146.6	99.8
0°-90°	1149.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1149.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	62	62	62	62	62	
5°	222	138	56	23	16	48
15°	2719	610	27	0	0	782
25°	4301	799	2	0	0	1987
35°	4758	214	0	0	0	2885
45°	1883	29	0	0	0	1466
55°	14	0	1	0	0	48
65°	0	0	2	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	0	0	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°	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
2.5°	108.9	110.0	110.0	106.7	105.7	104.6	101.4	91.7	76.6	61.5	49.6
5°	222.1	223.2	223.2	216.7	203.8	190.9	180.1	138.0	88.4	56.1	36.7
7.5°	524.0	525.1	502.5	476.6	424.8	397.9	348.3	212.4	100.3	50.7	23.7
10°	1086.9	1063.2	1003.9	928.4	848.6	745.1	640.5	326.7	108.9	43.1	15.1
12.5°	1816.9	1794.2	1717.7	1609.9	1453.5	1250.8	1052.4	459.3	110.0	34.5	8.6
15°	2719.4	2655.8	2564.1	2385.1	2154.4	1840.6	1512.8	610.3	105.7	27.0	2.2
17.5°	3419.2	3361.0	3244.5	3035.3	2748.5	2400.2	1998.0	753.7	93.8	17.3	0.0
20°	3865.6	3804.2	3695.2	3510.9	3205.7	2797.0	2336.6	844.3	77.6	10.8	0.0
21°	3992.8	3933.5	3826.8	3643.5	3339.4	2931.8	2419.6	863.7	70.1	8.6	0.0
22°	4105.0	4058.6	3959.4	3759.9	3450.5	3031.0	2503.8	865.9	64.7	6.5	0.0
23°	4183.7	4150.3	4051.1	3867.8	3559.4	3111.9	2549.0	852.9	58.2	4.3	0.0
24°	4259.2	4218.2	4133.0	3962.7	3645.6	3179.8	2590.0	829.2	51.8	3.2	0.0
25°	4301.2	4253.8	4188.0	4028.4	3716.8	3223.0	2614.8	799.0	45.3	2.2	0.0
26°	4330.3	4293.7	4221.4	4067.2	3747.0	3251.0	2618.0	754.8	41.0	1.1	0.0
27°	4374.6	4337.9	4267.8	4101.8	3759.9	3246.7	2598.6	704.1	35.6	0.0	0.0
28°	4441.4	4392.9	4322.8	4138.4	3765.3	3228.4	2555.5	649.1	30.2	0.0	0.0
29°	4518.0	4468.4	4391.8	4186.9	3766.4	3191.7	2487.6	588.7	27.0	0.0	0.0
30°	4599.9	4556.8	4479.1	4234.4	3778.3	3144.2	2408.9	524.0	21.6	0.0	0.0
31°	4664.6	4625.8	4542.8	4277.5	3788.0	3103.3	2311.8	459.3	18.3	0.0	0.0
32°	4720.7	4686.2	4583.7	4287.2	3768.6	3045.0	2208.3	396.8	15.1	0.0	0.0
33°	4759.5	4716.4	4596.7	4262.4	3712.5	2949.1	2092.9	337.5	11.9	0.0	0.0
34°	4773.5	4721.8	4577.3	4197.7	3599.3	2803.5	1943.0	276.0	9.7	0.0	0.0
35°	4758.4	4694.8	4507.2	4086.7	3446.2	2629.9	1763.0	213.5	7.5	0.0	0.0
36°	4709.9	4629.0	4406.9	3928.2	3227.3	2425.0	1582.9	166.1	5.4	0.0	0.0
37°	4605.3	4515.8	4235.5	3719.0	3010.5	2190.0	1378.0	129.4	3.2	0.0	0.0
38°	4477.0	4347.6	4006.9	3454.8	2730.2	1925.8	1175.3	106.7	2.2	0.0	0.0
39°	4258.1	4115.8	3735.1	3150.7	2455.2	1674.6	978.0	92.7	1.1	0.0	0.0
40°	3993.9	3824.6	3424.6	2825.1	2130.7	1411.5	816.3	77.6	1.1	0.0	0.0
42.5°	3012.7	2869.3	2439.1	1921.5	1302.6	832.4	452.9	50.7	0.0	0.0	0.0
45°	1882.7	1732.8	1441.7	1053.5	705.2	431.3	217.8	29.1	0.0	0.0	0.0
47.5°	768.8	705.2	580.1	446.4	319.2	202.7	90.6	12.9	0.0	0.0	0.0
50°	264.2	235.1	197.3	144.5	102.4	70.1	47.4	3.2	0.0	0.0	0.0
52.5°	76.6	77.6	67.9	58.2	45.3	32.3	23.7	0.0	0.0	0.0	0.0
55°	14.0	11.9	14.0	12.9	14.0	11.9	8.6	0.0	0.0	1.1	0.0
57.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.2	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.2	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.2	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.2	1.1



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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	0.0	1.1	2.2	3.2	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.2	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.2	1.1
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°	61.5	61.5	61.5
2.5°	39.9	35.6	33.4
5°	22.6	17.3	16.2
7.5°	11.9	7.5	6.5
10°	4.3	1.1	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
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	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)