

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: P1307076

Luminaire Tested: P3SQAS17R409027DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307076
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R409027DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

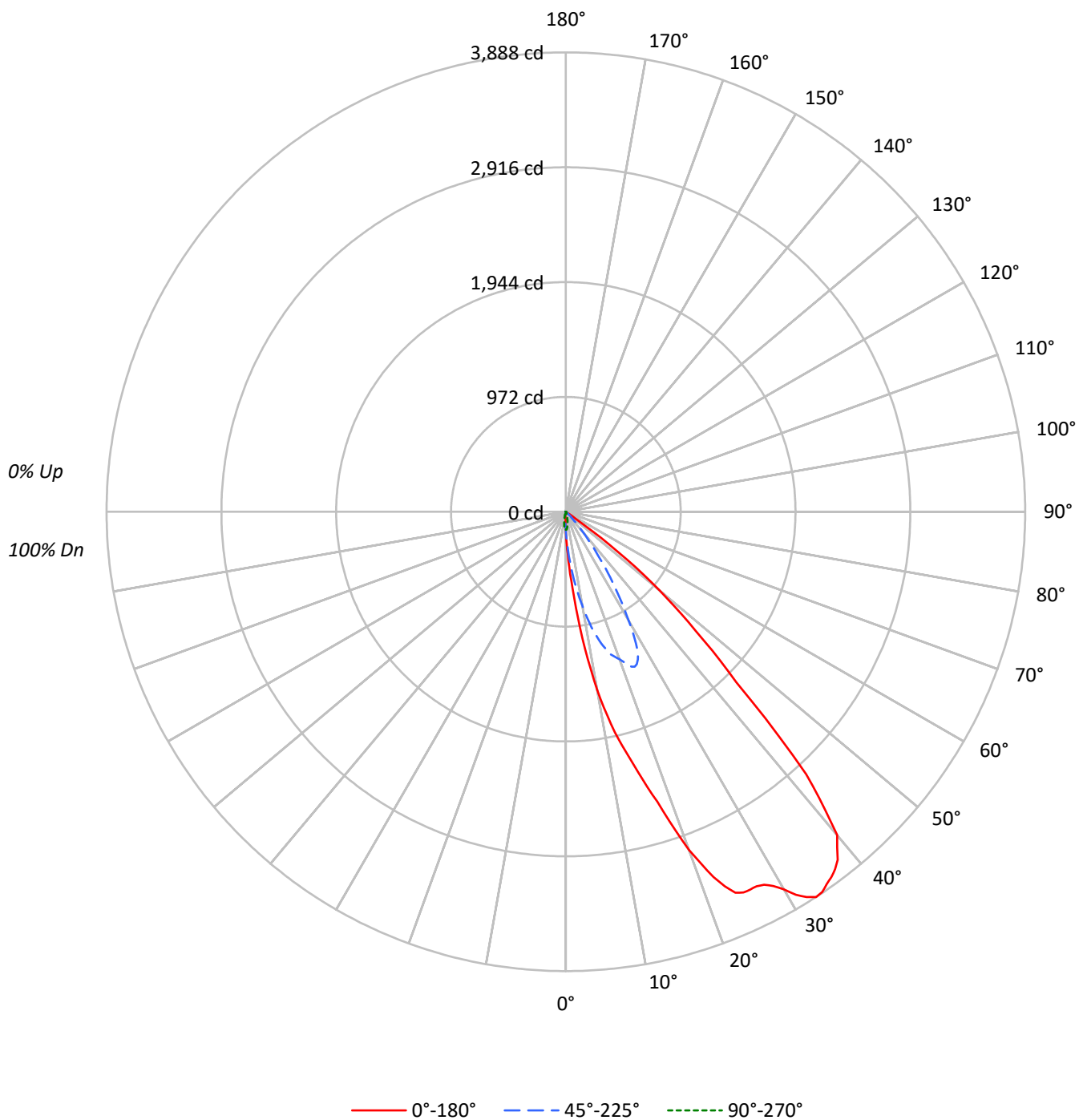
Lumens per Lamp: N/A
Luminaire Lumens: 1305.0 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	26281	26281	26281	26281	26281
5°	111577	76050	23062	4149	2075
10°	268178	141443	14288	420	0
15°	394716	205506	6009	0	0
20°	557927	243610	2199	0	0
25°	675773	270408	0	0	0
30°	733734	211513	0	0	0
35°	809086	123813	0	0	0
40°	803015	50247	0	0	0
45°	497324	14638	0	0	0
50°	276933	322	0	0	0
55°	27054	0	0	0	0
60°	0	0	413	0	0
65°	0	0	489	0	0
70°	0	604	1209	0	0
75°	0	799	1597	0	0
80°	0	1190	2380	0	0
85°	0	2371	4742	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 499663 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.6	2.2
10°-20°	168.2	12.9
20°-30°	384.0	29.4
30°-40°	453.4	34.7
40°-50°	242.2	18.6
50°-60°	26.3	2.0
60°-70°	0.5	0.0
70°-80°	0.9	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°	580.8	44.5
0°-40°	1034.1	79.2
0°-60°	1302.7	99.8
0°-90°	1305.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1305.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	153	153	153	153	153	
5°	645	440	133	24	12	91
15°	2214	1153	34	0	0	658
25°	3556	1423	0	0	0	1615
35°	3848	589	0	0	0	2377
45°	2042	60	0	0	0	1684
55°	90	0	0	0	0	253
65°	0	0	1	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	152.6	152.6	152.6	152.6	152.6	152.6	152.6	152.6	152.6	152.6	152.6
2.5°	355.7	348.5	353.3	343.7	343.7	322.1	323.3	305.3	278.8	212.7	151.4
5°	645.4	674.2	651.4	621.3	604.5	582.9	554.0	524.0	439.9	265.6	133.4
7.5°	1080.4	1078.0	1039.6	1007.1	969.9	912.2	858.1	784.8	626.2	304.1	110.6
10°	1533.5	1525.1	1481.9	1454.2	1383.3	1300.4	1189.8	1072.0	808.8	317.3	81.7
12.5°	1910.9	1900.1	1864.0	1817.2	1739.0	1634.5	1515.5	1360.5	1001.1	302.9	52.9
15°	2213.8	2211.4	2176.5	2112.8	2031.1	1928.9	1794.3	1608.1	1152.6	265.6	33.7
17.5°	2573.1	2587.5	2525.0	2456.5	2338.8	2195.7	2031.1	1818.4	1264.3	219.9	21.6
20°	3044.2	3023.8	2966.1	2866.4	2753.4	2581.5	2348.4	2044.3	1329.2	170.7	12.0
21°	3188.5	3180.0	3120.0	3027.4	2902.4	2728.2	2487.8	2159.7	1359.3	152.6	9.6
22°	3335.1	3320.7	3273.8	3183.7	3065.9	2868.8	2604.4	2278.7	1397.7	133.4	6.0
23°	3444.4	3438.4	3402.4	3313.4	3192.1	3001.0	2730.6	2389.2	1424.2	115.4	3.6
24°	3528.6	3521.4	3485.3	3418.0	3313.4	3113.9	2858.0	2508.2	1435.0	99.8	1.2
25°	3556.2	3559.8	3538.2	3485.3	3397.6	3198.1	2952.9	2602.0	1423.0	85.3	0.0
26°	3557.4	3568.2	3552.6	3522.6	3450.5	3265.4	3041.8	2657.2	1391.7	72.1	0.0
27°	3557.4	3568.2	3552.6	3529.8	3458.9	3303.8	3089.9	2663.3	1343.6	61.3	0.0
28°	3574.2	3580.3	3559.8	3532.2	3455.3	3315.9	3103.1	2627.2	1266.7	52.9	0.0
29°	3621.1	3615.1	3581.5	3544.2	3451.7	3315.9	3063.5	2558.7	1170.6	44.5	0.0
30°	3689.6	3689.6	3636.7	3577.9	3468.5	3314.7	2999.8	2434.9	1063.6	36.1	0.0
31°	3782.2	3773.7	3720.9	3633.1	3504.5	3314.7	2906.0	2297.9	965.1	31.2	0.0
32°	3844.7	3839.9	3789.4	3686.0	3563.4	3314.7	2805.1	2146.5	858.1	25.2	0.0
33°	3887.9	3878.3	3820.6	3713.7	3599.5	3297.8	2692.1	1984.2	762.0	20.4	0.0
34°	3881.9	3879.5	3819.4	3708.9	3592.3	3228.1	2561.1	1803.9	673.0	16.8	0.0
35°	3848.3	3848.3	3775.0	3660.8	3540.6	3126.0	2431.3	1650.1	588.9	12.0	0.0
36°	3823.0	3813.4	3730.5	3603.1	3454.1	2964.9	2239.0	1495.1	498.8	9.6	0.0
37°	3785.8	3767.7	3675.2	3538.2	3331.5	2790.7	2037.1	1356.9	421.8	6.0	0.0
38°	3737.7	3710.1	3597.1	3462.5	3196.9	2589.9	1831.6	1201.8	350.9	3.6	0.0
39°	3650.0	3627.1	3510.5	3365.1	3035.8	2378.4	1632.1	1056.4	283.6	1.2	0.0
40°	3571.8	3532.2	3400.0	3232.9	2847.1	2139.3	1433.8	913.4	223.5	0.0	0.0
42.5°	3011.8	2969.7	2939.7	2773.8	2267.9	1535.9	1001.1	585.3	116.6	0.0	0.0
45°	2041.9	2051.5	1957.8	1846.0	1496.3	1001.1	626.2	325.7	60.1	0.0	0.0
47.5°	1489.1	1463.8	1336.4	1124.9	877.3	585.3	326.9	157.4	24.0	0.0	0.0
50°	1033.6	985.5	870.1	711.5	477.1	278.8	144.2	73.3	1.2	0.0	0.0
52.5°	561.3	527.6	447.1	324.5	198.3	107.0	57.7	30.0	0.0	0.0	0.0
55°	90.1	62.5	64.9	55.3	43.3	31.2	18.0	3.6	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	1.2	1.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4	2.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4	2.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4	2.4
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):

	112.5°	135°	157.5°	180°
0°	152.6	152.6	152.6	152.6
2.5°	102.2	69.7	52.9	45.7
5°	58.9	24.0	13.2	12.0
7.5°	28.8	8.4	4.8	4.8
10°	12.0	2.4	0.0	0.0
12.5°	3.6	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.2	0.0	0.0	0.0
67.5°	1.2	0.0	0.0	0.0
70°	1.2	0.0	0.0	0.0
72.5°	1.2	0.0	0.0	0.0
75°	1.2	0.0	0.0	0.0
77.5°	1.2	0.0	0.0	0.0
80°	1.2	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.2	0.0	0.0	0.0
85°	1.2	0.0	0.0	0.0
87.5°	1.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)