

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: P1316400

Luminaire Tested: P3SQAS17R359827DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R359827DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

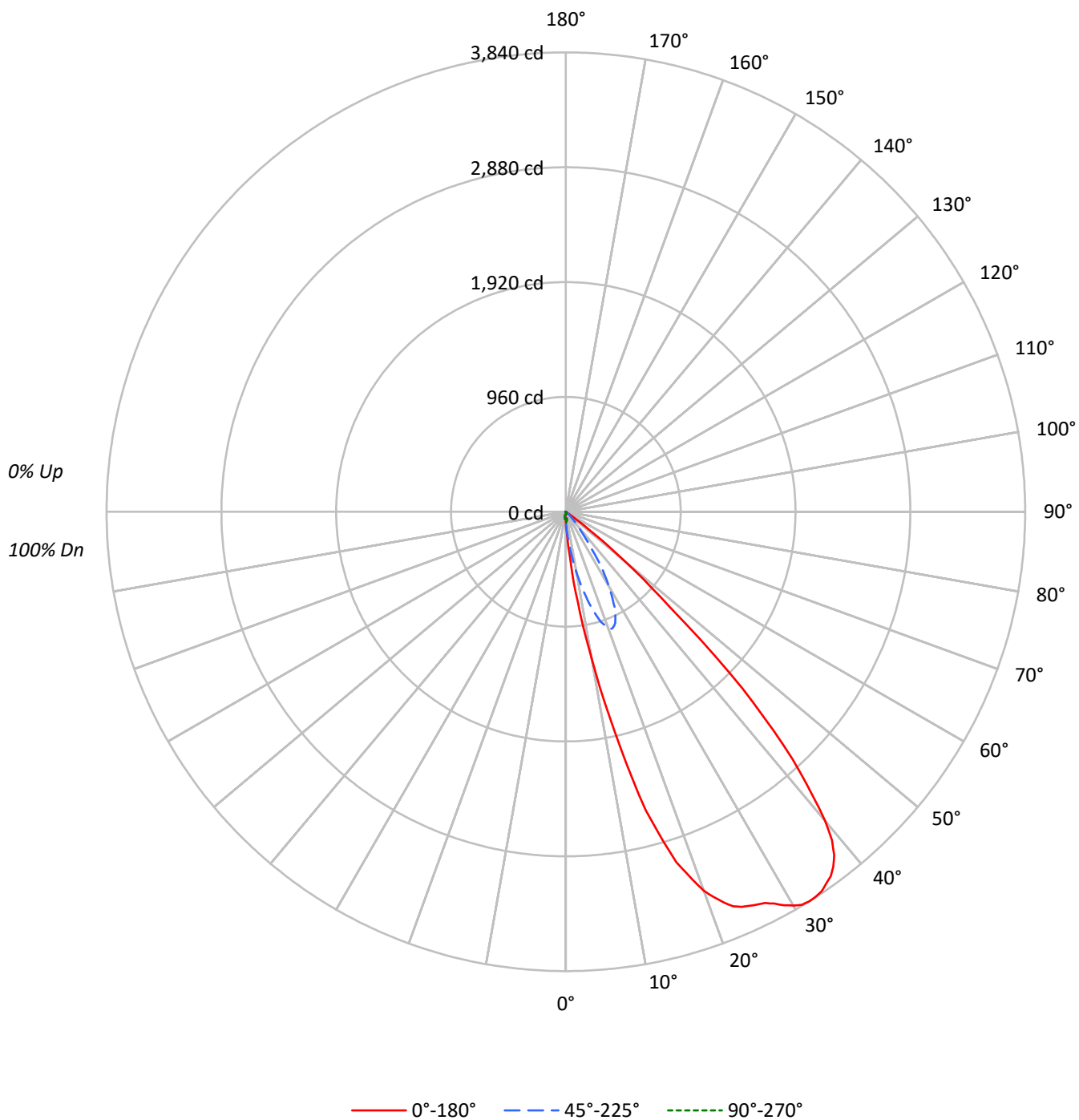
Lumens per Lamp: N/A
Luminaire Lumens: 1147.0 lumens
Efficiency: N/A
Efficacy: 56.2 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	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	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14880	14880	14880	14880	14880
5°	64692	40108	13813	4927	3406
10°	217760	90518	10335	1154	385
15°	460829	148469	6437	0	0
20°	617877	189708	3006	0	0
25°	690557	186302	627	0	0
30°	755968	142746	0	0	0
35°	797838	77770	0	0	0
40°	758433	34937	0	0	0
45°	509040	15466	0	0	0
50°	170056	1474	0	0	0
55°	9188	0	0	0	0
60°	0	0	379	0	0
65°	0	0	897	0	0
70°	0	554	1108	0	0
75°	0	732	1464	0	0
80°	0	1091	2182	0	0
85°	0	2174	4347	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 509040 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.6	1.6
10°-20°	159.1	13.9
20°-30°	349.2	30.4
30°-40°	403.9	35.2
40°-50°	199.4	17.4
50°-60°	14.8	1.3
60°-70°	0.5	0.0
70°-80°	0.8	0.1
80°-90°	0.8	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°	526.9	45.9
0°-40°	930.8	81.1
0°-60°	1144.9	99.8
0°-90°	1147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1147.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	86	86	86	86	86	
5°	374	232	80	28	20	64
15°	2585	833	36	0	0	729
25°	3634	980	3	0	0	1680
35°	3795	370	0	0	0	2343
45°	2090	64	0	0	0	1534
55°	31	0	0	0	0	125
65°	0	0	2	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°	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
2.5°	171.8	176.2	174.0	174.0	172.9	167.4	157.6	154.3	142.3	112.7	87.5
5°	374.2	375.3	372.0	355.6	341.4	328.3	299.8	286.7	232.0	137.9	79.9
7.5°	759.4	743.0	722.2	699.2	648.9	602.9	542.7	479.3	358.9	159.8	71.1
10°	1245.2	1222.3	1204.8	1150.0	1059.2	965.1	850.2	746.3	517.6	175.1	59.1
12.5°	1872.2	1859.1	1796.7	1687.3	1552.7	1417.0	1216.8	1051.6	677.3	178.4	48.1
15°	2584.6	2562.7	2467.5	2312.1	2129.4	1916.0	1647.9	1370.0	832.7	168.5	36.1
17.5°	3071.5	3059.5	2977.4	2814.4	2604.3	2332.9	2015.6	1668.7	960.7	147.7	25.2
20°	3371.3	3353.8	3277.2	3139.4	2919.4	2636.0	2259.6	1859.1	1035.1	121.5	16.4
21°	3449.0	3431.5	3370.3	3226.9	3016.8	2712.6	2326.3	1905.1	1049.4	109.4	13.1
22°	3522.3	3504.8	3440.3	3313.4	3105.4	2788.1	2378.9	1940.1	1047.2	99.6	9.8
23°	3583.6	3565.0	3501.6	3384.5	3175.5	2854.9	2418.3	1957.6	1033.0	89.7	7.7
24°	3615.4	3604.4	3547.5	3437.0	3232.4	2901.9	2445.6	1964.2	1015.5	79.9	5.5
25°	3634.0	3620.8	3565.0	3463.3	3269.6	2939.1	2463.1	1958.7	980.4	71.1	3.3
26°	3653.7	3634.0	3570.5	3472.0	3289.3	2956.6	2464.2	1944.5	943.2	63.5	1.1
27°	3671.2	3652.6	3586.9	3478.6	3292.6	2951.2	2455.5	1917.1	898.4	55.8	1.1
28°	3709.5	3688.7	3613.2	3492.8	3295.8	2936.9	2428.1	1879.9	839.3	49.2	0.0
29°	3759.8	3737.9	3651.5	3526.7	3303.5	2921.6	2390.9	1830.7	787.9	43.8	0.0
30°	3801.4	3781.7	3701.8	3569.4	3323.2	2907.4	2347.1	1763.9	717.8	37.2	0.0
31°	3832.0	3812.3	3739.0	3605.5	3340.7	2894.3	2292.4	1695.0	654.4	32.8	0.0
32°	3839.7	3823.3	3754.3	3620.8	3340.7	2874.6	2242.1	1617.3	592.0	27.4	0.0
33°	3836.4	3820.0	3750.0	3609.9	3311.2	2827.5	2180.8	1524.3	520.9	24.1	0.0
34°	3824.4	3804.7	3730.3	3574.9	3253.2	2747.6	2092.2	1431.3	446.4	19.7	0.0
35°	3794.8	3777.3	3696.3	3509.2	3163.4	2626.2	1974.0	1324.0	369.9	16.4	0.0
36°	3766.4	3740.1	3640.5	3428.2	3045.3	2501.4	1832.8	1200.4	304.2	13.1	0.0
37°	3713.8	3676.6	3576.0	3311.2	2877.8	2325.3	1672.0	1064.7	255.0	9.8	0.0
38°	3643.8	3593.5	3465.4	3175.5	2709.3	2160.0	1521.0	942.1	214.5	6.6	0.0
39°	3535.5	3476.4	3302.4	2989.5	2514.6	1968.5	1348.1	811.9	182.7	4.4	0.0
40°	3373.5	3317.7	3125.1	2768.4	2320.9	1757.3	1170.8	665.3	155.4	2.2	0.0
42.5°	2808.9	2732.3	2509.1	2154.6	1715.8	1263.8	774.7	369.9	102.9	0.0	0.0
45°	2090.0	2022.2	1803.3	1480.5	1143.5	773.6	414.7	217.8	63.5	0.0	0.0
47.5°	1180.7	1173.0	1030.8	850.2	637.9	411.4	210.1	131.3	27.4	0.0	0.0
50°	634.7	595.3	513.2	389.5	265.9	179.5	113.8	72.2	5.5	0.0	0.0
52.5°	232.0	224.3	188.2	156.5	120.4	82.1	58.0	31.7	0.0	0.0	0.0
55°	30.6	28.5	29.5	31.7	32.8	28.5	18.6	6.6	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.1	2.2	2.2	2.2	0.0	0.0	0.0	1.1
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2



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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	0.0	1.1	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
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°	86.4	86.4	86.4	86.4
2.5°	66.7	51.4	43.8	42.7
5°	46.0	28.5	20.8	19.7
7.5°	31.7	14.2	9.8	8.8
10°	18.6	6.6	3.3	2.2
12.5°	10.9	1.1	0.0	0.0
15°	3.3	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°	1.1	0.0	0.0	0.0
67.5°	1.1	0.0	0.0	0.0
70°	1.1	0.0	0.0	0.0
72.5°	1.1	0.0	0.0	0.0
75°	1.1	0.0	0.0	0.0
77.5°	1.1	0.0	0.0	0.0
80°	1.1	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.1	0.0	0.0	0.0
85°	1.1	0.0	0.0	0.0
87.5°	1.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)