

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: P1308020

Luminaire Tested: P3SQAS13R359030DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308020
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: P3SQAS13R359030DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

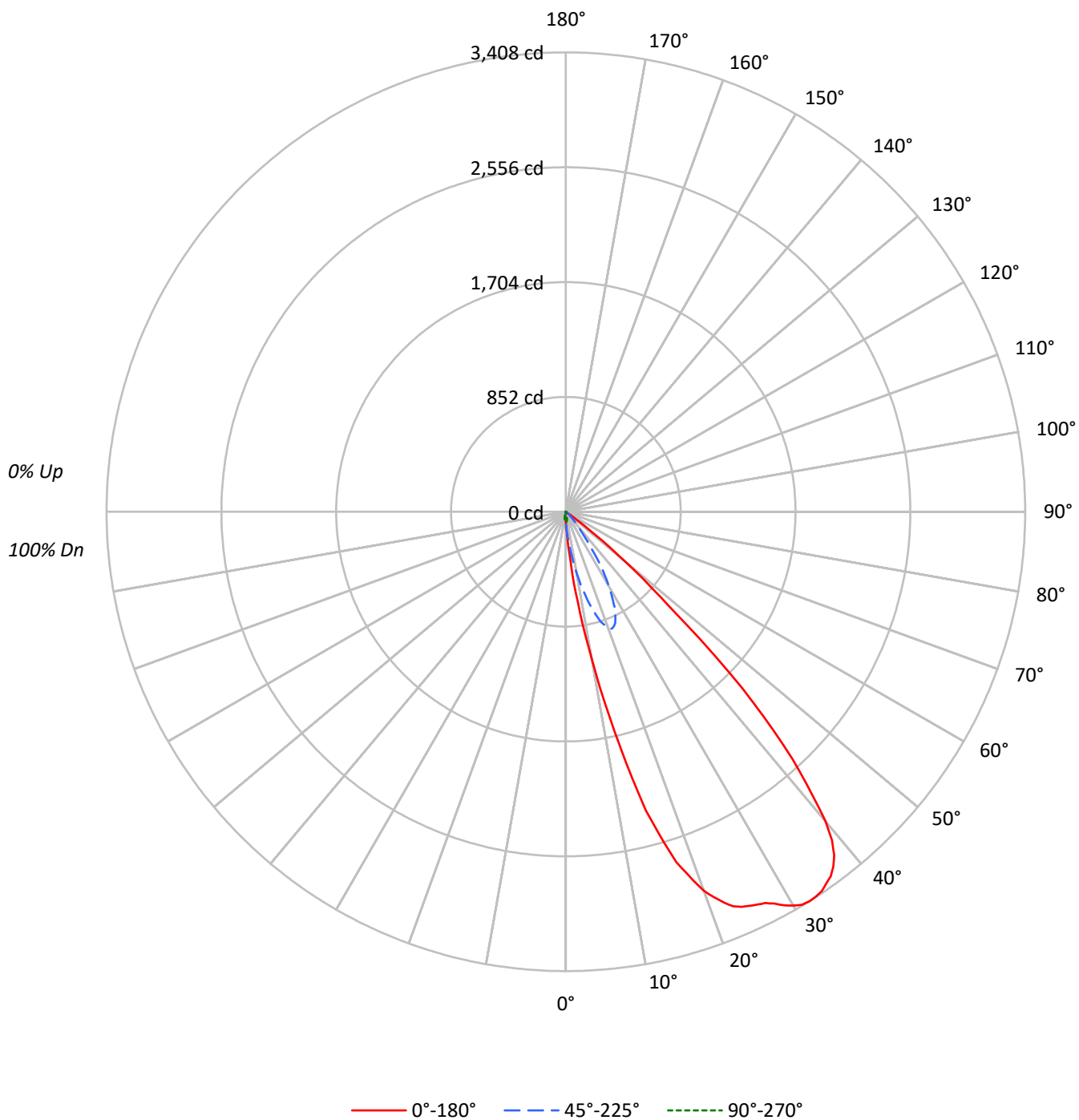
Lumens per Lamp: N/A
Luminaire Lumens: 1018.0 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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°	13209	13209	13209	13209	13209
5°	57414	35596	12257	4374	3025
10°	193277	80340	9164	1014	332
15°	408998	131780	5706	0	0
20°	548397	168375	2676	0	0
25°	612893	165361	551	0	0
30°	670933	126697	0	0	0
35°	708105	69023	0	0	0
40°	673136	31003	0	0	0
45°	451779	13712	0	0	0
50°	150925	1313	0	0	0
55°	8167	0	0	0	0
60°	0	0	344	0	0
65°	0	0	774	0	0
70°	0	504	957	0	0
75°	0	665	1264	0	0
80°	0	992	1884	0	0
85°	0	1976	3754	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 451779 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.5	1.6
10°-20°	141.2	13.9
20°-30°	309.9	30.4
30°-40°	358.5	35.2
40°-50°	177.0	17.4
50°-60°	13.1	1.3
60°-70°	0.5	0.0
70°-80°	0.7	0.1
80°-90°	0.7	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°	467.6	45.9
0°-40°	826.1	81.2
0°-60°	1016.2	99.8
0°-90°	1018.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1018.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	77	77	77	77	77	
5°	332	206	71	25	18	57
15°	2294	739	32	0	0	647
25°	3225	870	3	0	0	1491
35°	3368	328	0	0	0	2080
45°	1855	56	0	0	0	1361
55°	27	0	0	0	0	111
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°	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
2.5°	152.5	156.4	154.4	154.4	153.4	148.6	139.8	136.9	126.3	100.0	77.7
5°	332.1	333.1	330.2	315.6	303.0	291.4	266.1	254.4	205.9	122.4	70.9
7.5°	674.0	659.4	641.0	620.6	575.9	535.1	481.7	425.4	318.5	141.8	63.1
10°	1105.2	1084.8	1069.3	1020.7	940.1	856.6	754.6	662.3	459.4	155.4	52.4
12.5°	1661.7	1650.0	1594.7	1497.5	1378.1	1257.7	1079.9	933.3	601.2	158.3	42.7
15°	2293.9	2274.5	2190.0	2052.1	1889.9	1700.5	1462.6	1215.9	739.1	149.6	32.0
17.5°	2726.1	2715.4	2642.6	2497.9	2311.4	2070.5	1788.9	1481.0	852.7	131.1	22.3
20°	2992.2	2976.6	2908.7	2786.3	2591.1	2339.6	2005.5	1650.0	918.7	107.8	14.6
21°	3061.1	3045.6	2991.2	2864.0	2677.5	2407.5	2064.7	1690.8	931.4	97.1	11.7
22°	3126.2	3110.7	3053.4	2940.7	2756.2	2474.5	2111.3	1721.9	929.4	88.4	8.7
23°	3180.6	3164.1	3107.7	3003.8	2818.3	2533.8	2146.3	1737.4	916.8	79.6	6.8
24°	3208.7	3199.0	3148.5	3050.4	2868.8	2575.5	2170.6	1743.3	901.2	70.9	4.9
25°	3225.3	3213.6	3164.1	3073.8	2901.9	2608.6	2186.1	1738.4	870.2	63.1	2.9
26°	3242.7	3225.3	3168.9	3081.5	2919.3	2624.1	2187.1	1725.8	837.1	56.3	1.0
27°	3258.3	3241.8	3183.5	3087.4	2922.3	2619.2	2179.3	1701.5	797.3	49.5	1.0
28°	3292.3	3273.8	3206.8	3100.0	2925.2	2606.6	2155.0	1668.5	744.9	43.7	0.0
29°	3336.9	3317.5	3240.8	3130.1	2932.0	2593.0	2122.0	1624.8	699.2	38.8	0.0
30°	3373.8	3356.4	3285.5	3168.0	2949.4	2580.4	2083.2	1565.5	637.1	33.0	0.0
31°	3401.0	3383.6	3318.5	3200.0	2965.0	2568.7	2034.6	1504.3	580.8	29.1	0.0
32°	3407.8	3393.3	3332.1	3213.6	2965.0	2551.3	1989.9	1435.4	525.4	24.3	0.0
33°	3404.9	3390.4	3328.2	3203.9	2938.8	2509.5	1935.5	1352.8	462.3	21.4	0.0
34°	3394.2	3376.8	3310.7	3172.8	2887.3	2438.6	1856.9	1270.3	396.2	17.5	0.0
35°	3368.0	3352.5	3280.6	3114.5	2807.7	2330.8	1752.0	1175.1	328.3	14.6	0.0
36°	3342.8	3319.5	3231.1	3042.7	2702.8	2220.1	1626.7	1065.4	270.0	11.7	0.0
37°	3296.2	3263.1	3173.8	2938.8	2554.2	2063.7	1483.9	944.9	226.3	8.7	0.0
38°	3234.0	3189.3	3075.7	2818.3	2404.6	1917.1	1349.9	836.2	190.3	5.8	0.0
39°	3137.9	3085.4	2931.0	2653.2	2231.8	1747.1	1196.5	720.6	162.2	3.9	0.0
40°	2994.1	2944.6	2773.7	2457.1	2059.9	1559.7	1039.2	590.5	137.9	1.9	0.0
42.5°	2493.0	2425.0	2226.9	1912.2	1522.8	1121.7	687.6	328.3	91.3	0.0	0.0
45°	1854.9	1794.7	1600.5	1314.0	1014.9	686.6	368.1	193.3	56.3	0.0	0.0
47.5°	1047.9	1041.1	914.8	754.6	566.2	365.2	186.5	116.5	24.3	0.0	0.0
50°	563.3	528.3	455.5	345.7	236.0	159.3	101.0	64.1	4.9	0.0	0.0
52.5°	205.9	199.1	167.0	138.9	106.8	72.8	51.5	28.2	0.0	0.0	0.0
55°	27.2	25.3	26.2	28.2	29.1	25.3	16.5	5.8	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.0	1.9	1.9	1.9	0.0	0.0	0.0	1.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9



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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	1.0	1.9	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9
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°	76.7	76.7	76.7	76.7
2.5°	59.2	45.6	38.8	37.9
5°	40.8	25.3	18.5	17.5
7.5°	28.2	12.6	8.7	7.8
10°	16.5	5.8	2.9	1.9
12.5°	9.7	1.0	0.0	0.0
15°	2.9	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°	1.0	0.0	0.0	0.0
67.5°	1.0	0.0	0.0	0.0
70°	1.0	0.0	0.0	0.0
72.5°	1.0	0.0	0.0	0.0
75°	1.0	0.0	0.0	0.0
77.5°	1.0	0.0	0.0	0.0
80°	1.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.0	0.0	0.0	0.0
85°	1.0	0.0	0.0	0.0
87.5°	1.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)