

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: P1306087

Luminaire Tested: P3SQAS17R359024DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306087
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: P3SQAS17R359024DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

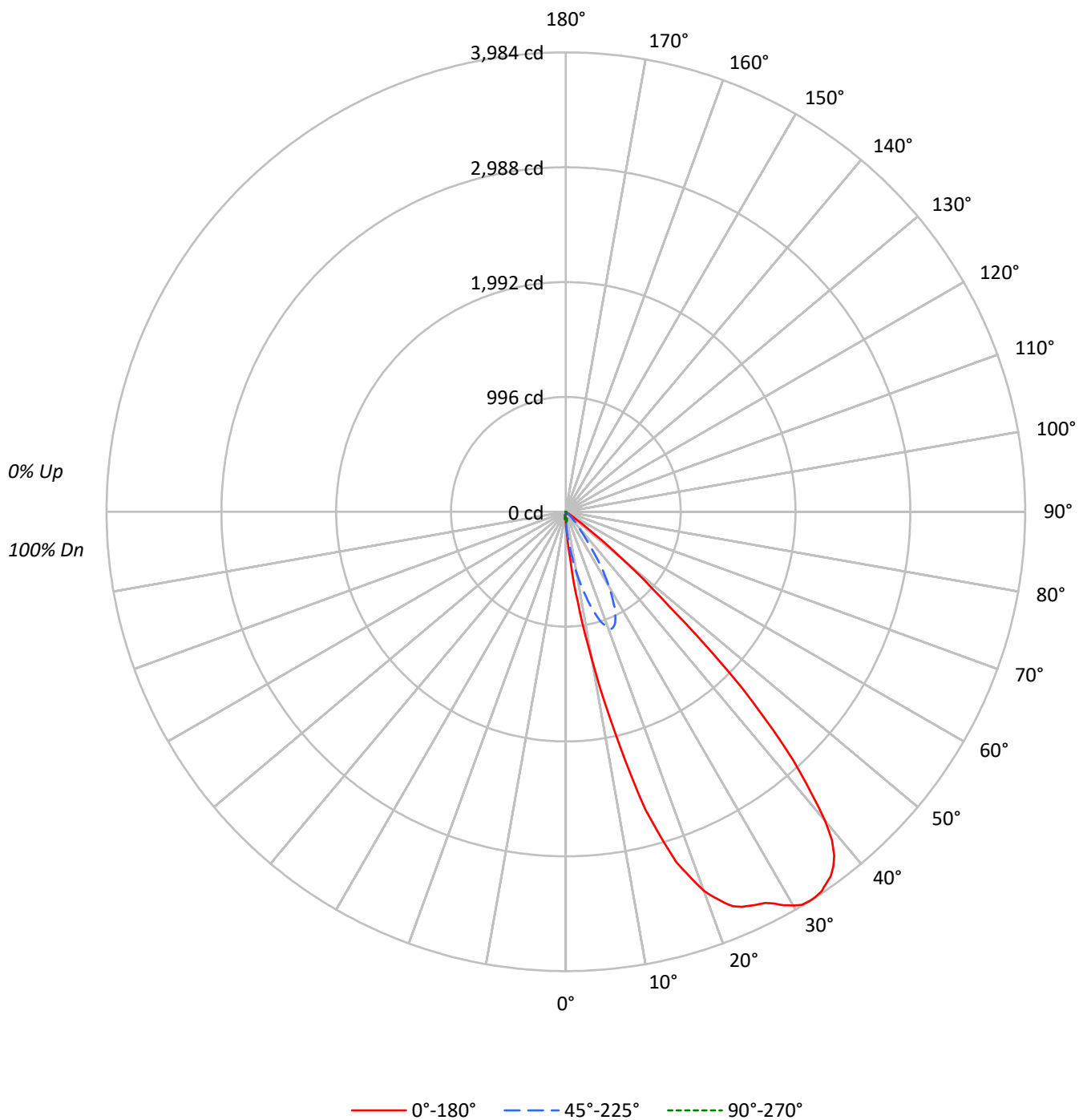
Lumens per Lamp: N/A
Luminaire Lumens: 1190.0 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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°	15448	15448	15448	15448	15448
5°	67129	41612	14332	5100	3527
10°	225927	93910	10720	1189	402
15°	478106	154032	6686	0	0
20°	641043	196838	3116	0	0
25°	716439	193295	646	0	0
30°	784306	148095	0	0	0
35°	827756	80671	0	0	0
40°	786872	36241	0	0	0
45°	528110	16026	0	0	0
50°	176432	1527	0	0	0
55°	9548	0	0	0	0
60°	0	0	379	0	0
65°	0	0	937	0	0
70°	0	554	1158	0	0
75°	0	732	1530	0	0
80°	0	1091	2281	0	0
85°	0	2174	4545	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 528110 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.3	1.6
10°-20°	165.1	13.9
20°-30°	362.3	30.4
30°-40°	419.0	35.2
40°-50°	206.8	17.4
50°-60°	15.3	1.3
60°-70°	0.5	0.0
70°-80°	0.9	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°	546.7	45.9
0°-40°	965.7	81.2
0°-60°	1187.8	99.8
0°-90°	1190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1190.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	90	90	90	90	90	
5°	388	241	83	30	20	67
15°	2682	864	38	0	0	757
25°	3770	1017	3	0	0	1743
35°	3937	384	0	0	0	2431
45°	2168	66	0	0	0	1591
55°	32	0	0	0	0	130
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°	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
2.5°	178.2	182.8	180.5	180.5	179.4	173.7	163.5	160.1	147.6	116.9	90.8
5°	388.3	389.4	386.0	369.0	354.2	340.6	311.1	297.4	240.7	143.0	82.9
7.5°	787.9	770.8	749.3	725.4	673.2	625.5	563.1	497.2	372.4	165.7	73.8
10°	1291.9	1268.1	1249.9	1193.2	1098.9	1001.3	882.1	774.2	537.0	181.6	61.3
12.5°	1942.4	1928.8	1864.1	1750.6	1610.9	1470.2	1262.4	1091.0	702.7	185.0	50.0
15°	2681.5	2658.8	2560.0	2398.8	2209.2	1987.8	1709.7	1421.3	863.9	174.8	37.5
17.5°	3186.7	3174.2	3089.0	2919.9	2701.9	2420.4	2091.1	1731.3	996.8	153.3	26.1
20°	3497.7	3479.6	3400.1	3257.1	3028.9	2734.8	2344.3	1928.8	1074.0	126.0	17.0
21°	3578.3	3560.2	3496.6	3347.9	3129.9	2814.3	2413.6	1976.5	1088.7	113.5	13.6
22°	3654.4	3636.2	3569.3	3437.6	3221.9	2892.6	2468.1	2012.8	1086.4	103.3	10.2
23°	3718.0	3698.7	3632.8	3511.4	3294.5	2961.9	2508.9	2031.0	1071.7	93.1	7.9
24°	3750.9	3739.5	3680.5	3565.8	3353.6	3010.7	2537.3	2037.8	1053.5	82.9	5.7
25°	3770.2	3756.6	3698.7	3593.1	3392.2	3049.3	2555.5	2032.1	1017.2	73.8	3.4
26°	3790.6	3770.2	3704.4	3602.2	3412.6	3067.5	2556.6	2017.4	978.6	65.8	1.1
27°	3808.8	3789.5	3721.4	3609.0	3416.0	3061.8	2547.5	1989.0	932.0	57.9	1.1
28°	3848.5	3827.0	3748.6	3623.7	3419.4	3047.0	2519.1	1950.4	870.7	51.1	0.0
29°	3900.8	3878.0	3788.4	3658.9	3427.3	3031.1	2480.5	1899.3	817.4	45.4	0.0
30°	3943.9	3923.5	3840.6	3703.2	3447.8	3016.4	2435.1	1830.0	744.7	38.6	0.0
31°	3975.7	3955.2	3879.2	3740.7	3465.9	3002.8	2378.4	1758.5	678.9	34.1	0.0
32°	3983.6	3966.6	3895.1	3756.6	3465.9	2982.3	2326.1	1677.9	614.2	28.4	0.0
33°	3980.2	3963.2	3890.5	3745.2	3435.3	2933.5	2262.6	1581.4	540.4	25.0	0.0
34°	3967.7	3947.3	3870.1	3708.9	3375.1	2850.6	2170.6	1484.9	463.2	20.4	0.0
35°	3937.1	3918.9	3834.9	3640.8	3282.0	2724.6	2048.0	1373.7	383.7	17.0	0.0
36°	3907.6	3880.3	3777.0	3556.8	3159.4	2595.2	1901.6	1245.4	315.6	13.6	0.0
37°	3853.1	3814.5	3710.0	3435.3	2985.7	2412.4	1734.7	1104.6	264.5	10.2	0.0
38°	3780.4	3728.2	3595.4	3294.5	2810.9	2241.0	1578.0	977.5	222.5	6.8	0.0
39°	3668.0	3606.7	3426.2	3101.5	2608.8	2042.3	1398.6	842.4	189.6	4.5	0.0
40°	3500.0	3442.1	3242.3	2872.2	2407.9	1823.2	1214.7	690.2	161.2	2.3	0.0
42.5°	2914.2	2834.7	2603.1	2235.3	1780.1	1311.2	803.8	383.7	106.7	0.0	0.0
45°	2168.3	2098.0	1870.9	1536.0	1186.3	802.6	430.3	225.9	65.8	0.0	0.0
47.5°	1224.9	1217.0	1069.4	882.1	661.9	426.9	218.0	136.2	28.4	0.0	0.0
50°	658.5	617.6	532.4	404.2	275.9	186.2	118.1	74.9	5.7	0.0	0.0
52.5°	240.7	232.7	195.3	162.3	124.9	85.1	60.2	32.9	0.0	0.0	0.0
55°	31.8	29.5	30.7	32.9	34.1	29.5	19.3	6.8	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.1	2.3	2.3	2.3	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	2.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	2.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	2.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	2.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	2.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	2.3



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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	2.3	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	2.3
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°	89.7	89.7	89.7	89.7
2.5°	69.3	53.4	45.4	44.3
5°	47.7	29.5	21.6	20.4
7.5°	32.9	14.8	10.2	9.1
10°	19.3	6.8	3.4	2.3
12.5°	11.4	1.1	0.0	0.0
15°	3.4	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)