

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: P1317096

Luminaire Tested: P3SQAS13R259830DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317096
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259830DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

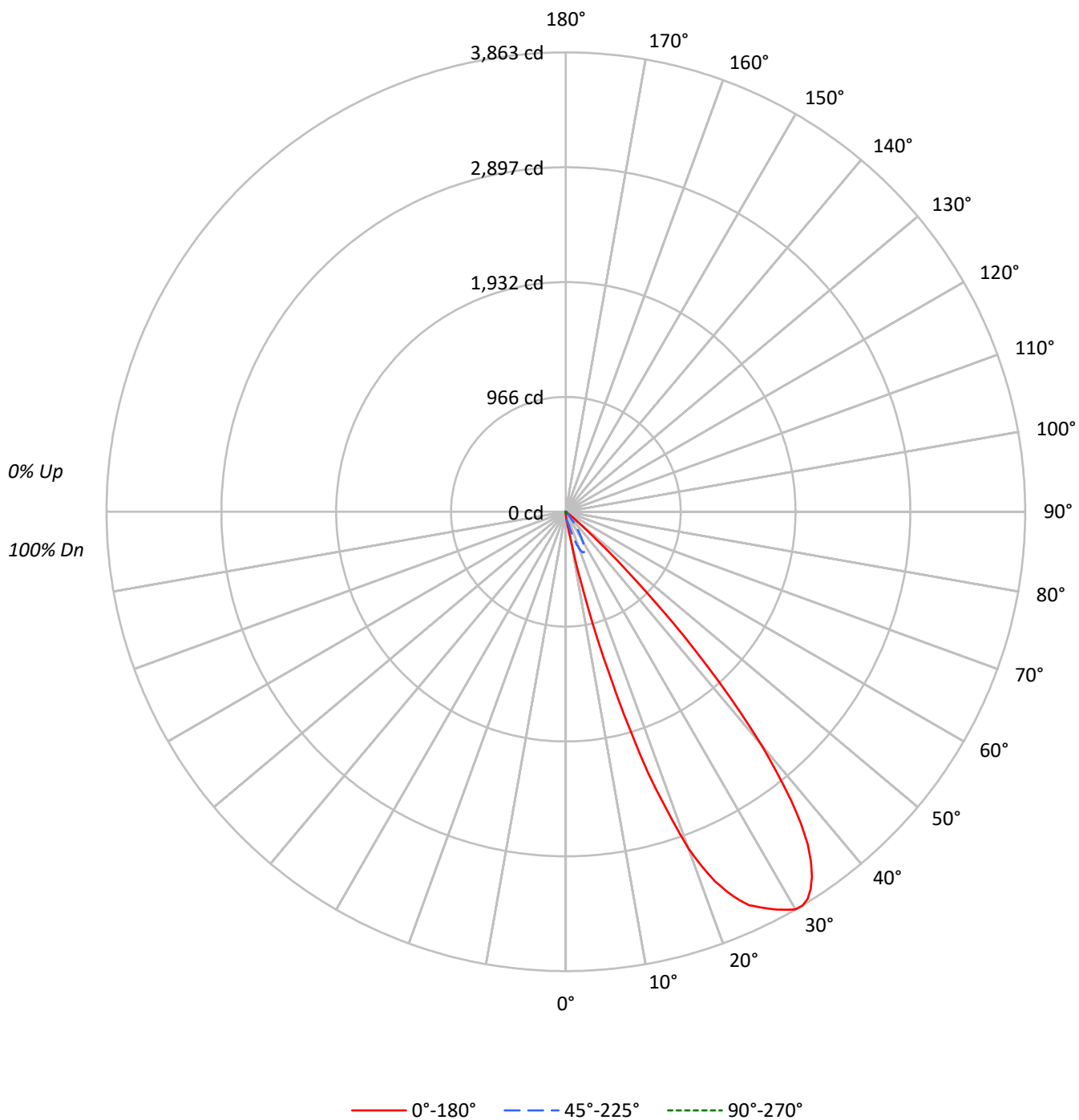
Lumens per Lamp: N/A
Luminaire Lumens: 757.0 lumens
Efficiency: N/A
Efficacy: 52.2 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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			0
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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	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	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4116	4116	4116	4116	4116
5°	12914	9024	3769	2005	1504
10°	40694	16351	2798	262	0
15°	251703	31149	1676	0	0
20°	551879	60738	531	0	0
25°	693730	69854	0	0	0
30°	767939	54072	0	0	0
35°	755957	30633	0	0	0
40°	574597	7981	0	0	0
45°	232746	3532	0	0	0
50°	25829	402	0	0	0
55°	1952	0	210	0	0
60°	0	0	241	0	0
65°	0	0	611	0	0
70°	0	352	755	0	0
75°	0	466	1464	0	0
80°	0	694	2182	0	0
85°	0	1383	4347	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 232746 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.5
10°-20°	78.2	10.3
20°-30°	273.3	36.1
30°-40°	304.9	40.3
40°-50°	92.1	12.2
50°-60°	3.1	0.4
60°-70°	0.4	0.1
70°-80°	0.7	0.1
80°-90°	0.6	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°	355.3	46.9
0°-40°	660.2	87.2
0°-60°	755.3	99.8
0°-90°	757.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	757.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	24	24	24	24	24	
5°	75	52	22	12	9	12
15°	1412	175	9	0	0	469
25°	3651	368	0	0	0	1665
35°	3596	146	0	0	0	2159
45°	956	14	0	0	0	825
55°	6	0	1	0	0	20
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°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
2.5°	41.3	42.8	42.1	42.8	42.1	42.1	42.1	42.8	42.1	42.1	42.1
5°	74.7	75.4	75.4	74.7	74.7	76.1	74.7	75.4	73.2	74.7	74.0
7.5°	122.5	121.1	121.1	121.8	121.8	120.4	119.6	118.2	119.6	119.6	117.5
10°	232.7	231.3	227.7	226.2	227.7	227.7	220.4	221.9	222.6	216.1	213.9
12.5°	683.7	678.7	688.8	672.9	663.4	648.2	656.9	627.2	620.6	616.3	606.1
15°	1411.7	1450.1	1433.4	1434.9	1437.8	1401.5	1413.9	1368.9	1331.2	1319.6	1311.6
17.5°	2302.1	2313.7	2298.4	2291.2	2288.3	2270.9	2249.8	2227.4	2198.4	2173.0	2152.0
20°	3011.2	3002.5	2976.4	2979.3	2948.1	2932.1	2914.0	2891.5	2869.0	2832.1	2796.5
21°	3198.2	3172.8	3173.6	3156.2	3155.4	3135.1	3103.2	3080.0	3059.7	3017.7	2995.2
22°	3351.9	3346.1	3333.1	3320.0	3306.3	3296.1	3260.6	3249.0	3207.6	3172.8	3140.9
23°	3471.6	3473.7	3462.1	3453.4	3434.6	3430.2	3384.6	3368.6	3340.3	3287.4	3254.8
24°	3570.9	3567.3	3554.2	3539.0	3528.1	3518.0	3483.2	3457.1	3425.9	3382.4	3350.5
25°	3650.7	3642.0	3633.3	3621.7	3604.3	3592.7	3557.1	3528.1	3501.3	3452.7	3409.2
26°	3697.8	3700.0	3686.2	3677.5	3662.3	3650.7	3613.7	3579.6	3546.2	3494.0	3454.9
27°	3745.6	3743.5	3731.1	3718.1	3702.1	3697.8	3655.0	3619.5	3585.4	3530.3	3483.9
28°	3789.9	3784.1	3773.9	3758.7	3741.3	3728.2	3686.9	3649.9	3613.0	3554.2	3503.5
29°	3826.8	3821.0	3814.5	3794.9	3772.5	3763.8	3719.5	3674.6	3637.6	3577.4	3523.8
30°	3861.6	3850.8	3835.5	3818.9	3797.1	3780.4	3734.0	3694.9	3651.4	3584.7	3533.2
31°	3863.1	3848.6	3837.7	3820.3	3795.7	3775.4	3726.8	3686.9	3636.2	3573.8	3518.0
32°	3837.7	3830.5	3813.1	3794.2	3770.3	3750.0	3696.3	3654.3	3606.4	3539.7	3483.9
33°	3780.4	3773.2	3763.0	3743.5	3712.3	3693.4	3645.6	3599.2	3552.0	3491.9	3428.1
34°	3701.4	3692.7	3679.7	3660.1	3628.2	3608.6	3570.2	3522.3	3472.3	3409.9	3350.5
35°	3595.6	3578.9	3575.3	3546.2	3516.5	3511.4	3465.8	3415.7	3365.0	3296.1	3244.6
36°	3464.3	3444.7	3431.7	3421.5	3402.0	3378.0	3333.1	3293.2	3227.9	3183.7	3111.2
37°	3285.2	3261.3	3273.6	3246.1	3215.6	3205.5	3148.2	3111.9	3056.8	2996.7	2935.0
38°	3076.4	3074.2	3071.3	3059.0	3006.8	2980.0	2956.1	2917.6	2869.8	2797.3	2713.9
39°	2812.5	2816.8	2801.6	2803.1	2777.0	2750.1	2716.8	2673.3	2615.3	2549.3	2481.9
40°	2555.8	2494.2	2505.1	2468.1	2470.3	2430.4	2386.9	2348.5	2311.5	2253.5	2161.4
42.5°	1768.4	1759.0	1726.4	1703.2	1713.3	1661.8	1604.5	1550.9	1499.4	1434.2	1353.7
45°	955.6	933.9	940.4	902.7	902.7	879.5	863.5	818.6	770.7	741.0	694.6
47.5°	355.3	359.6	367.6	352.4	335.0	345.1	329.9	329.9	321.9	312.5	299.4
50°	96.4	97.9	96.4	96.4	94.3	92.8	89.9	89.2	88.5	86.3	82.7
52.5°	39.2	37.0	37.0	37.7	37.7	36.3	37.0	37.0	36.3	35.5	35.5
55°	6.5	7.3	7.3	7.3	7.3	6.5	6.5	7.3	8.0	7.3	7.3
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
2.5°	40.6	35.5	29.7	24.7	19.6	16.7	15.2	16.0
5°	68.9	52.2	34.1	21.8	15.2	11.6	9.4	8.7
7.5°	105.9	71.8	38.4	18.9	11.6	5.8	3.6	2.9
10°	162.4	93.5	41.3	16.0	7.3	1.5	0.0	0.0
12.5°	416.9	114.6	42.1	13.1	2.9	0.0	0.0	0.0
15°	857.0	174.7	40.6	9.4	0.7	0.0	0.0	0.0
17.5°	1424.7	267.5	35.5	6.5	0.0	0.0	0.0	0.0
20°	1976.5	331.4	28.3	2.9	0.0	0.0	0.0	0.0
21°	2142.5	350.2	25.4	2.2	0.0	0.0	0.0	0.0
22°	2278.1	364.0	22.5	1.5	0.0	0.0	0.0	0.0
23°	2391.2	371.2	19.6	0.7	0.0	0.0	0.0	0.0
24°	2470.3	372.7	18.1	0.7	0.0	0.0	0.0	0.0
25°	2508.0	367.6	16.0	0.0	0.0	0.0	0.0	0.0
26°	2522.5	357.5	14.5	0.0	0.0	0.0	0.0	0.0
27°	2511.6	344.4	13.1	0.0	0.0	0.0	0.0	0.0
28°	2492.0	324.8	10.9	0.0	0.0	0.0	0.0	0.0
29°	2453.6	298.7	9.4	0.0	0.0	0.0	0.0	0.0
30°	2416.6	271.9	8.0	0.0	0.0	0.0	0.0	0.0
31°	2374.6	248.0	6.5	0.0	0.0	0.0	0.0	0.0
32°	2323.1	220.4	5.1	0.0	0.0	0.0	0.0	0.0
33°	2237.5	195.0	3.6	0.0	0.0	0.0	0.0	0.0
34°	2117.9	171.1	2.9	0.0	0.0	0.0	0.0	0.0
35°	1957.7	145.7	2.2	0.0	0.0	0.0	0.0	0.0
36°	1782.2	118.9	1.5	0.0	0.0	0.0	0.0	0.0
37°	1567.6	86.3	1.5	0.0	0.0	0.0	0.0	0.0
38°	1343.5	54.4	0.7	0.0	0.0	0.0	0.0	0.0
39°	1114.4	41.3	0.7	0.0	0.0	0.0	0.0	0.0
40°	904.9	35.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	484.3	23.9	0.0	0.0	0.0	0.0	0.0	0.0
45°	285.7	14.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	159.5	5.8	0.0	0.0	0.0	0.0	0.0	0.0
50°	57.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	8.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0
57.5°	0.7	0.0	0.7	0.7	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.7	1.5	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.5	1.5	0.7	0.0	0.0	0.0
67.5°	0.0	0.7	1.5	1.5	0.7	0.0	0.0	0.0
70°	0.0	0.7	1.5	1.5	0.7	0.0	0.0	0.0
72.5°	0.0	0.7	1.5	2.2	0.7	0.0	0.0	0.0
75°	0.0	0.7	1.5	2.2	0.7	0.0	0.0	0.0
77.5°	0.0	0.7	1.5	2.2	0.7	0.0	0.0	0.0
80°	0.0	0.7	1.5	2.2	0.7	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.7	1.5	2.2	0.7	0.0	0.0	0.0
85°	0.0	0.7	1.5	2.2	0.7	0.0	0.0	0.0
87.5°	0.0	0.7	1.5	2.2	0.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)