

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: P1313406

Luminaire Tested: P3SQAS13R309730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

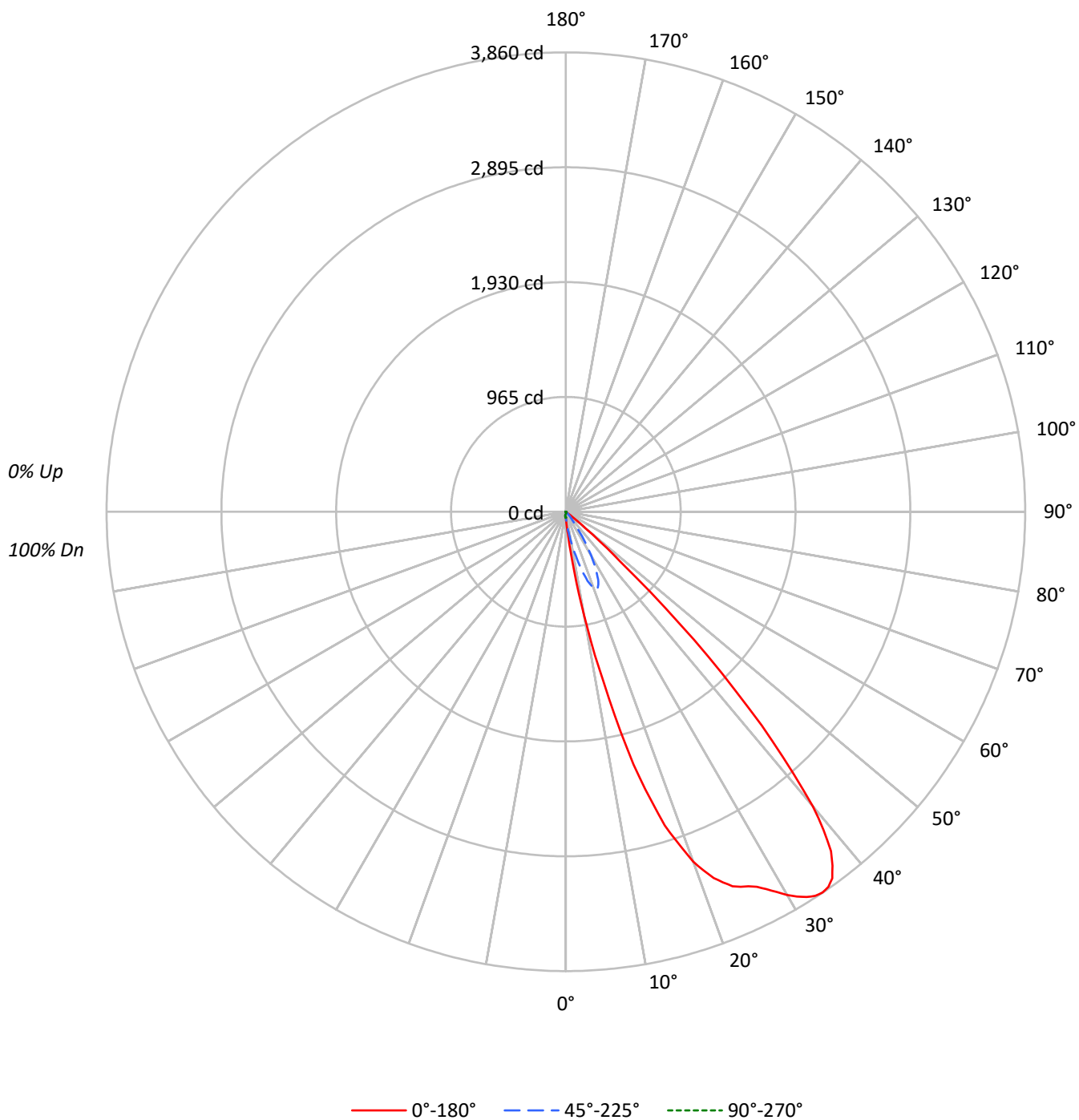
Lumens per Lamp: N/A
Luminaire Lumens: 929.0 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8559	8559	8559	8559	8559
5°	31049	19293	7831	3164	2265
10°	153684	46203	6103	612	0
15°	392024	87972	3887	0	0
20°	572828	125104	1594	0	0
25°	660856	122757	323	0	0
30°	739621	84259	0	0	0
35°	808876	36288	0	0	0
40°	725991	14119	0	0	0
45°	370746	5724	0	0	0
50°	57230	697	0	0	0
55°	3393	0	270	0	0
60°	0	0	310	0	0
65°	0	0	693	0	0
70°	0	453	856	0	0
75°	0	599	1730	0	0
80°	0	893	2579	0	0
85°	0	1778	5138	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 370746 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	1.1
10°-20°	123.8	13.3
20°-30°	305.9	32.9
30°-40°	351.8	37.9
40°-50°	130.5	14.0
50°-60°	4.8	0.5
60°-70°	0.5	0.0
70°-80°	0.8	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°	440.0	47.4
0°-40°	791.8	85.2
0°-60°	927.1	99.8
0°-90°	929.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	929.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	50	50	50	50	50	
5°	180	112	45	18	13	39
15°	2199	493	22	0	0	632
25°	3478	646	2	0	0	1607
35°	3847	173	0	0	0	2333
45°	1522	24	0	0	0	1185
55°	11	0	1	0	0	39
65°	0	0	2	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
2.5°	88.1	88.9	88.9	86.3	85.4	84.6	82.0	74.1	61.9	49.7	40.1
5°	179.6	180.5	180.5	175.2	164.8	154.3	145.6	111.6	71.5	45.3	29.6
7.5°	423.7	424.6	406.3	385.3	343.5	321.7	281.6	171.7	81.1	41.0	19.2
10°	878.8	859.6	811.7	750.6	686.1	602.4	517.9	264.2	88.1	34.9	12.2
12.5°	1469.0	1450.7	1388.8	1301.6	1175.2	1011.3	850.9	371.4	88.9	27.9	7.0
15°	2198.7	2147.3	2073.2	1928.5	1741.9	1488.2	1223.2	493.4	85.4	21.8	1.7
17.5°	2764.5	2717.4	2623.3	2454.2	2222.3	1940.7	1615.5	609.4	75.8	13.9	0.0
20°	3125.5	3075.8	2987.7	2838.6	2591.9	2261.5	1889.2	682.6	62.8	8.7	0.0
21°	3228.3	3180.4	3094.1	2945.9	2700.0	2370.5	1956.4	698.3	56.7	7.0	0.0
22°	3319.0	3281.5	3201.3	3040.0	2789.8	2450.7	2024.4	700.1	52.3	5.2	0.0
23°	3382.6	3355.6	3275.4	3127.2	2877.9	2516.1	2061.0	689.6	47.1	3.5	0.0
24°	3443.7	3410.5	3341.7	3203.9	2947.6	2571.0	2094.1	670.4	41.8	2.6	0.0
25°	3477.7	3439.3	3386.1	3257.1	3005.1	2605.9	2114.2	646.0	36.6	1.7	0.0
26°	3501.2	3471.6	3413.2	3288.5	3029.6	2628.5	2116.8	610.3	33.1	0.9	0.0
27°	3537.0	3507.3	3450.6	3316.4	3040.0	2625.0	2101.1	569.3	28.8	0.0	0.0
28°	3591.0	3551.8	3495.1	3346.0	3044.4	2610.2	2066.2	524.8	24.4	0.0	0.0
29°	3652.9	3612.8	3550.9	3385.3	3045.3	2580.6	2011.3	476.0	21.8	0.0	0.0
30°	3719.2	3684.3	3621.5	3423.6	3054.8	2542.2	1947.6	423.7	17.4	0.0	0.0
31°	3771.5	3740.1	3673.0	3458.5	3062.7	2509.1	1869.2	371.4	14.8	0.0	0.0
32°	3816.8	3788.9	3706.1	3466.3	3047.0	2462.0	1785.5	320.8	12.2	0.0	0.0
33°	3848.2	3813.3	3716.6	3446.3	3001.7	2384.4	1692.2	272.9	9.6	0.0	0.0
34°	3859.5	3817.7	3700.9	3394.0	2910.1	2266.7	1571.0	223.2	7.8	0.0	0.0
35°	3847.3	3795.9	3644.2	3304.2	2786.3	2126.4	1425.4	172.6	6.1	0.0	0.0
36°	3808.1	3742.7	3563.1	3176.0	2609.3	1960.7	1279.8	134.3	4.4	0.0	0.0
37°	3723.5	3651.2	3424.5	3006.9	2434.1	1770.7	1114.2	104.6	2.6	0.0	0.0
38°	3619.8	3515.2	3239.7	2793.3	2207.4	1557.1	950.3	86.3	1.7	0.0	0.0
39°	3442.8	3327.7	3020.0	2547.4	1985.1	1353.9	790.7	75.0	0.9	0.0	0.0
40°	3229.2	3092.3	2768.9	2284.2	1722.7	1141.2	660.0	62.8	0.9	0.0	0.0
42.5°	2435.9	2319.9	1972.0	1553.6	1053.2	673.0	366.2	41.0	0.0	0.0	0.0
45°	1522.2	1401.0	1165.6	851.8	570.2	348.7	176.1	23.5	0.0	0.0	0.0
47.5°	621.6	570.2	469.0	360.9	258.1	163.9	73.2	10.5	0.0	0.0	0.0
50°	213.6	190.1	159.5	116.8	82.8	56.7	38.4	2.6	0.0	0.0	0.0
52.5°	61.9	62.8	54.9	47.1	36.6	26.2	19.2	0.0	0.0	0.0	0.0
55°	11.3	9.6	11.3	10.5	11.3	9.6	7.0	0.0	0.0	0.9	0.0
57.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	0.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7	0.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7	0.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	0.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	0.9
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):

	135°	157.5°	180°
0°	49.7	49.7	49.7
2.5°	32.3	28.8	27.0
5°	18.3	13.9	13.1
7.5°	9.6	6.1	5.2
10°	3.5	0.9	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0

TEST NUMBER: P1313406

CATALOG NUMBER: P3SQAS13R309730DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)