

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: P1313585

Luminaire Tested: P3SQAS17R409730DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R409730DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

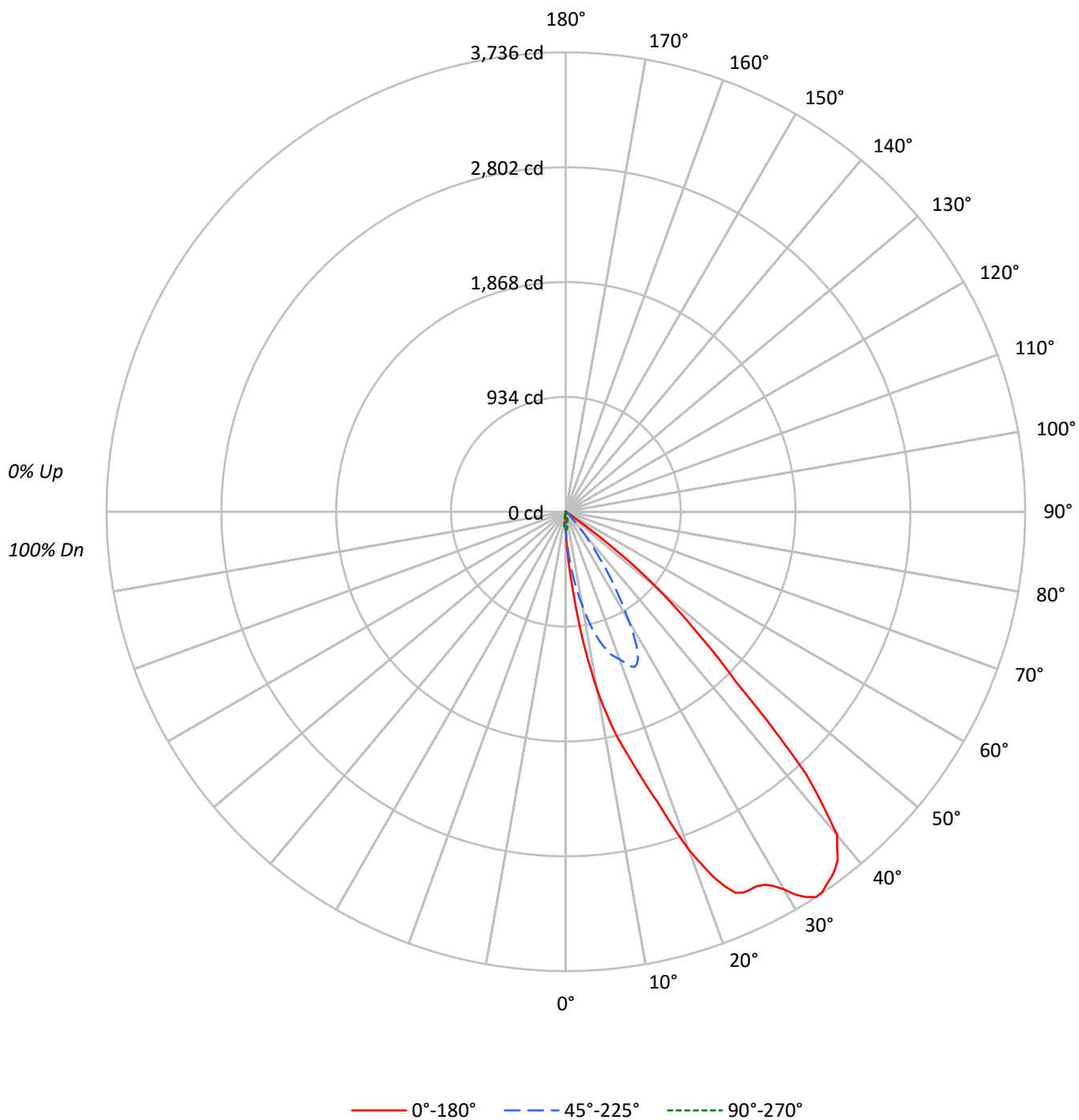
Lumens per Lamp: N/A
Luminaire Lumens: 1254.0 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99		99	98	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	86	84	83
3	99	91	85	80	97	90	84	80	87	82	78		84	81	77		82	79	76	74
4	92	83	77	72	90	82	76	71	80	74	70		78	73	69		76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63		71	66	62		70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57		66	60	56		64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51		60	55	51		59	54	50	49
8	70	59	51	47	69	58	51	46	57	51	46		56	50	46		55	50	46	44
9	66	54	47	42	64	54	47	42	52	46	42		51	46	42		51	45	42	40
10	62	50	43	38	60	49	43	38	49	42	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	25265	25265	25265	25265	25265
5°	107220	73077	22163	3994	1988
10°	257702	135916	13728	402	0
15°	379293	197465	5759	0	0
20°	536136	234098	2108	0	0
25°	649359	259842	0	0	0
30°	705058	203261	0	0	0
35°	777465	118978	0	0	0
40°	771652	48291	0	0	0
45°	477888	14053	0	0	0
50°	266109	322	0	0	0
55°	26003	0	0	0	0
60°	0	0	413	0	0
65°	0	0	489	0	0
70°	0	604	1158	0	0
75°	0	799	1530	0	0
80°	0	1190	2281	0	0
85°	0	2371	4545	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 480153 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	2.2
10°-20°	161.6	12.9
20°-30°	369.0	29.4
30°-40°	435.7	34.7
40°-50°	232.8	18.6
50°-60°	25.3	2.0
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°	558.1	44.5
0°-40°	993.7	79.2
0°-60°	1251.8	99.8
0°-90°	1254.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1254.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	147	147	147	147	147	
5°	620	423	128	23	12	87
15°	2127	1108	32	0	0	632
25°	3417	1367	0	0	0	1552
35°	3698	566	0	0	0	2284
45°	1962	58	0	0	0	1618
55°	87	0	0	0	0	243
65°	0	0	1	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°	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7
2.5°	341.8	334.9	339.5	330.3	330.3	309.5	310.7	293.3	267.9	204.4	145.5
5°	620.2	647.9	625.9	597.1	580.9	560.1	532.4	503.5	422.7	255.2	128.2
7.5°	1038.2	1035.9	999.0	967.8	932.0	876.5	824.6	754.1	601.7	292.2	106.2
10°	1473.6	1465.5	1423.9	1397.4	1329.2	1249.6	1143.3	1030.1	777.2	304.9	78.5
12.5°	1836.2	1825.8	1791.2	1746.2	1671.1	1570.6	1456.3	1307.3	962.0	291.0	50.8
15°	2127.3	2124.9	2091.5	2030.2	1951.7	1853.6	1724.2	1545.2	1107.5	255.2	32.3
17.5°	2472.6	2486.4	2426.4	2360.5	2247.4	2109.9	1951.7	1747.3	1214.9	211.3	20.8
20°	2925.3	2905.6	2850.2	2754.3	2645.8	2480.6	2256.6	1964.4	1277.3	164.0	11.5
21°	3063.9	3055.8	2998.0	2909.1	2789.0	2621.5	2390.6	2075.3	1306.2	146.7	9.2
22°	3204.7	3190.9	3145.8	3059.2	2946.1	2756.7	2502.6	2189.6	1343.1	128.2	5.8
23°	3309.8	3304.1	3269.4	3184.0	3067.3	2883.7	2623.8	2295.9	1368.5	110.9	3.5
24°	3390.7	3383.7	3349.1	3284.4	3184.0	2992.3	2746.3	2410.2	1378.9	95.9	1.2
25°	3417.2	3420.7	3399.9	3349.1	3264.8	3073.1	2837.5	2500.3	1367.4	82.0	0.0
26°	3418.4	3428.8	3413.8	3384.9	3315.6	3137.8	2923.0	2553.4	1337.3	69.3	0.0
27°	3418.4	3428.8	3413.8	3391.8	3323.7	3174.7	2969.2	2559.2	1291.1	58.9	0.0
28°	3434.6	3440.3	3420.7	3394.1	3320.2	3186.3	2981.9	2524.5	1217.2	50.8	0.0
29°	3479.6	3473.8	3441.5	3405.7	3316.8	3186.3	2943.7	2458.7	1124.8	42.7	0.0
30°	3545.4	3545.4	3494.6	3438.0	3332.9	3185.1	2882.5	2339.8	1022.1	34.6	0.0
31°	3634.4	3626.3	3575.5	3491.2	3367.6	3185.1	2792.5	2208.1	927.4	30.0	0.0
32°	3694.4	3689.8	3641.3	3542.0	3424.2	3185.1	2695.5	2062.6	824.6	24.3	0.0
33°	3736.0	3726.7	3671.3	3568.5	3458.8	3168.9	2586.9	1906.7	732.2	19.6	0.0
34°	3730.2	3727.9	3670.2	3563.9	3451.9	3102.0	2461.0	1733.4	646.7	16.2	0.0
35°	3697.9	3697.9	3627.4	3517.7	3402.2	3003.8	2336.3	1585.6	565.9	11.5	0.0
36°	3673.6	3664.4	3584.7	3462.3	3319.1	2849.0	2151.5	1436.6	479.3	9.2	0.0
37°	3637.8	3620.5	3531.6	3399.9	3201.3	2681.6	1957.5	1303.8	405.4	5.8	0.0
38°	3591.6	3565.1	3456.5	3327.2	3071.9	2488.7	1760.0	1154.9	337.2	3.5	0.0
39°	3507.3	3485.4	3373.4	3233.6	2917.2	2285.5	1568.3	1015.1	272.5	1.2	0.0
40°	3432.3	3394.1	3267.1	3106.6	2735.9	2055.7	1377.8	877.7	214.8	0.0	0.0
42.5°	2894.1	2853.7	2824.8	2665.4	2179.2	1475.9	962.0	562.4	112.0	0.0	0.0
45°	1962.1	1971.4	1881.3	1773.9	1437.8	962.0	601.7	313.0	57.7	0.0	0.0
47.5°	1430.9	1406.6	1284.2	1081.0	843.0	562.4	314.1	151.3	23.1	0.0	0.0
50°	993.2	947.0	836.1	683.7	458.5	267.9	138.6	70.4	1.2	0.0	0.0
52.5°	539.3	507.0	429.6	311.8	190.6	102.8	55.4	28.9	0.0	0.0	0.0
55°	86.6	60.1	62.4	53.1	41.6	30.0	17.3	3.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	1.2	1.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
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	1.2	2.3	2.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.3	2.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	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	1.2	1.2	2.3	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	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°	146.7	146.7	146.7	146.7
2.5°	98.2	67.0	50.8	43.9
5°	56.6	23.1	12.7	11.5
7.5°	27.7	8.1	4.6	4.6
10°	11.5	2.3	0.0	0.0
12.5°	3.5	0.0	0.0	0.0
15°	0.0	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°	1.2	0.0	0.0	0.0
67.5°	1.2	0.0	0.0	0.0
70°	1.2	0.0	0.0	0.0
72.5°	1.2	0.0	0.0	0.0
75°	1.2	0.0	0.0	0.0
77.5°	1.2	0.0	0.0	0.0
80°	1.2	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.2	0.0	0.0	0.0
85°	1.2	0.0	0.0	0.0
87.5°	1.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)