

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: P1313239

Luminaire Tested: P3SQAS09R309730DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313239
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R309730DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

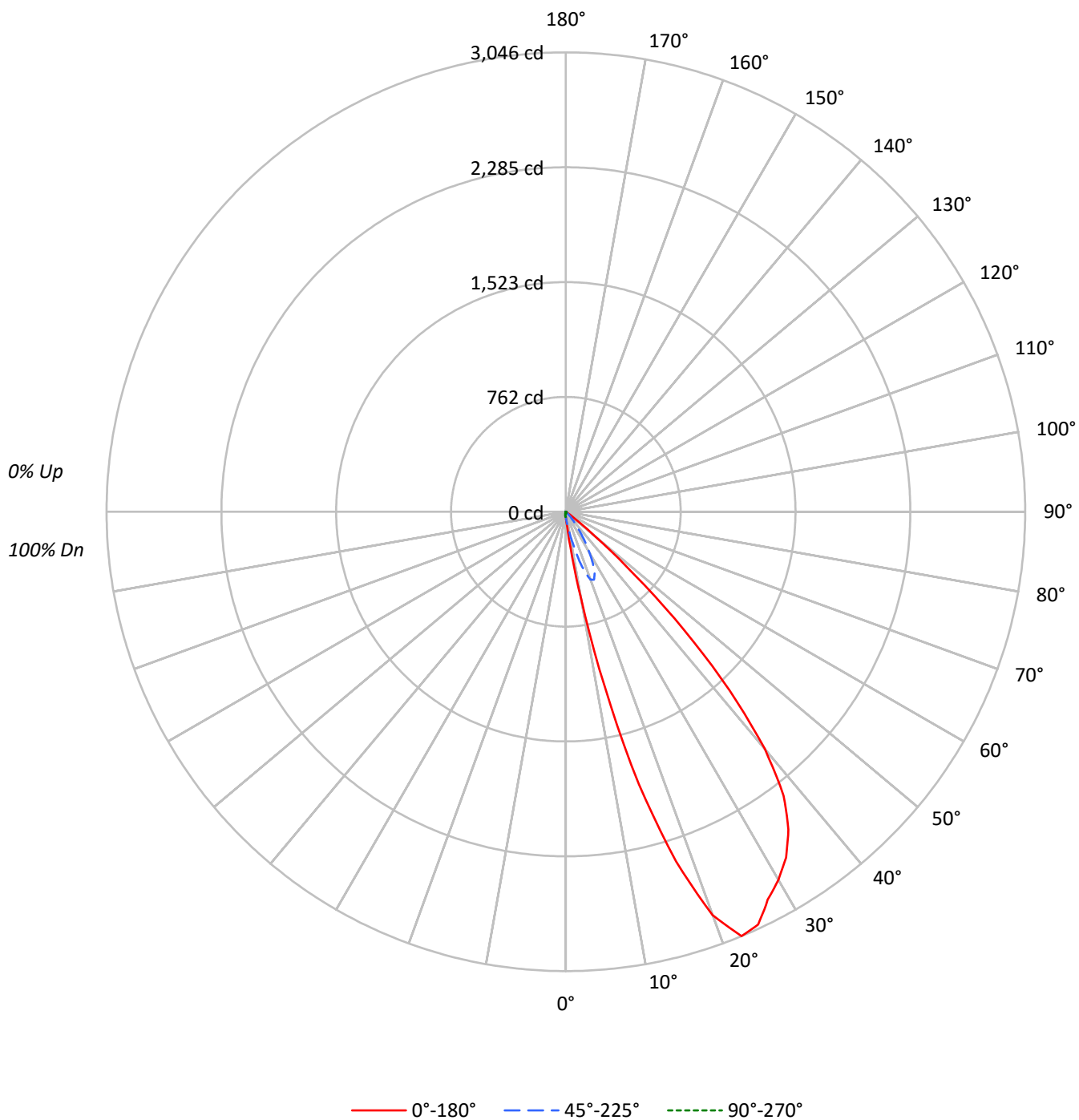
Lumens per Lamp: N/A
Luminaire Lumens: 718.1 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		89
3	99	92	86	81	97	90	85	81	87	83	79		85	81	78		83
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	53	63	57	52		61	56	52		60
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56
9	66	55	48	43	65	55	48	43	53	47	43		52	47	43		52
10	62	51	44	39	61	50	44	39	49	43	39		49	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5873	5873	5873	5873	5873
5°	17686	11790	5549	2489	2040
10°	102462	25008	4354	1154	804
15°	333275	56734	3049	232	125
20°	521510	87771	1924	0	0
25°	573747	85778	988	0	0
30°	560383	61847	398	0	0
35°	540855	35174	147	0	0
40°	461242	14906	0	0	0
45°	270692	5602	170	0	170
50°	65750	1045	188	188	536
55°	5705	0	390	601	781
60°	241	0	448	689	1137
65°	285	285	815	815	1345
70°	352	352	1007	1007	1309
75°	0	466	1331	1331	1331
80°	0	694	1984	1289	1289
85°	0	1383	3952	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 270692 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	0.9
10°-20°	98.7	13.7
20°-30°	250.8	34.9
30°-40°	250.0	34.8
40°-50°	101.3	14.1
50°-60°	7.0	1.0
60°-70°	1.6	0.2
70°-80°	1.6	0.2
80°-90°	0.9	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°	355.7	49.5
0°-40°	605.7	84.3
0°-60°	714.0	99.4
0°-90°	718.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	718.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	34	34	34	34	34	
5°	102	68	32	14	12	24
15°	1869	318	17	1	1	544
25°	3019	451	5	0	0	1363
35°	2572	167	1	0	0	1577
45°	1111	23	1	0	1	848
55°	19	0	1	2	3	50
65°	1	1	2	2	3	1
75°	0	1	2	2	2	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
2.5°	56.4	57.1	57.1	55.8	55.1	55.1	53.1	52.5	50.5	48.6	42.0
5°	102.3	100.4	97.8	97.8	91.9	88.6	84.0	78.7	74.8	68.2	48.6
7.5°	232.3	216.5	211.9	206.0	183.7	166.0	145.7	127.9	111.5	97.8	53.8
10°	585.9	555.1	529.5	477.6	412.7	350.4	292.6	225.7	179.8	143.0	57.7
12.5°	1180.3	1139.0	1089.8	995.3	873.9	718.4	580.6	433.7	304.4	210.6	59.0
15°	1869.2	1799.0	1722.2	1602.2	1403.4	1180.3	931.6	697.4	488.8	318.2	57.7
17.5°	2430.8	2403.2	2289.7	2125.7	1882.3	1594.9	1288.6	968.4	659.4	416.6	53.8
20°	2845.5	2826.4	2689.3	2514.8	2240.5	1911.2	1522.1	1137.7	778.1	478.9	47.9
22.5°	3045.6	3042.3	2943.2	2764.8	2474.1	2100.8	1672.4	1235.4	814.9	487.5	40.0
25°	3019.3	3031.1	2974.7	2842.2	2563.3	2178.9	1717.0	1235.4	788.0	451.4	33.5
27.5°	2899.9	2907.8	2872.4	2770.7	2510.8	2122.4	1654.7	1156.0	709.9	387.7	27.6
30°	2817.9	2821.2	2777.2	2668.3	2392.8	1993.9	1507.7	1009.1	591.8	311.0	20.3
32.5°	2718.2	2717.5	2666.3	2541.7	2237.9	1813.4	1321.4	833.9	454.7	236.2	11.8
35°	2572.5	2556.1	2486.6	2342.9	2007.0	1570.7	1083.2	635.1	327.4	167.3	7.2
37.5°	2372.4	2329.8	2231.4	2039.1	1682.9	1231.5	803.1	446.1	223.7	110.9	4.6
40°	2051.6	2006.3	1872.5	1638.9	1272.8	886.4	541.3	290.6	141.1	66.3	2.6
42.5°	1608.7	1577.9	1397.5	1164.6	840.4	565.5	325.4	171.9	79.4	38.1	0.7
45°	1111.4	1071.4	929.7	732.2	504.5	313.6	182.4	89.9	45.3	23.0	0.0
47.5°	613.4	564.2	482.2	379.2	253.9	164.7	91.9	48.6	25.6	11.2	0.0
50°	245.4	243.4	193.5	137.8	97.1	74.8	45.9	26.2	13.1	3.9	0.7
52.5°	85.9	85.9	74.1	60.4	47.2	34.1	23.0	12.5	4.6	1.3	0.7
55°	19.0	21.0	19.7	18.4	17.7	15.1	9.8	4.6	1.3	0.0	0.7
57.5°	2.0	2.0	2.0	2.6	3.3	3.3	2.6	1.3	0.0	0.0	0.7
60°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.3
62.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7	1.3
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
75°	0.0	0.0	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	2.0
77.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3
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):

	90°	112.5°	135°	157.5°	180°
0°	34.1	34.1	34.1	34.1	34.1
2.5°	34.1	26.9	22.3	19.7	19.0
5°	32.1	20.3	14.4	12.5	11.8
7.5°	28.9	15.1	9.8	7.9	7.2
10°	24.9	11.2	6.6	4.6	4.6
12.5°	21.0	8.5	3.9	2.0	1.3
15°	17.1	5.2	1.3	0.7	0.7
17.5°	13.1	3.3	0.0	0.0	0.0
20°	10.5	1.3	0.0	0.0	0.0
22.5°	7.9	0.7	0.0	0.0	0.0
25°	5.2	0.0	0.0	0.0	0.0
27.5°	3.3	0.0	0.0	0.0	0.0
30°	2.0	0.0	0.0	0.0	0.0
32.5°	0.7	0.0	0.0	0.0	0.0
35°	0.7	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.7	0.0	0.0	0.7	0.7
47.5°	0.7	0.7	0.7	1.3	1.3
50°	0.7	0.7	0.7	1.3	2.0
52.5°	1.3	0.7	1.3	2.0	2.0
55°	1.3	1.3	2.0	2.6	2.6
57.5°	1.3	1.3	2.0	2.6	2.6
60°	1.3	1.3	2.0	2.6	3.3
62.5°	2.0	2.0	2.0	2.6	2.6
65°	2.0	2.0	2.0	2.6	3.3
67.5°	2.0	2.0	2.0	2.6	3.3
70°	2.0	2.0	2.0	2.6	2.6
72.5°	2.6	2.0	2.0	2.6	2.6
75°	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	1.3	2.0	2.0
80°	2.0	1.3	1.3	1.3	1.3
82.5°	2.0	1.3	1.3	1.3	1.3
85°	2.0	1.3	0.7	0.7	0.7
87.5°	2.0	1.3	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)