

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: P1307509

Luminaire Tested: P3SQAS02R309030DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307509
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: P3SQAS02R309030DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

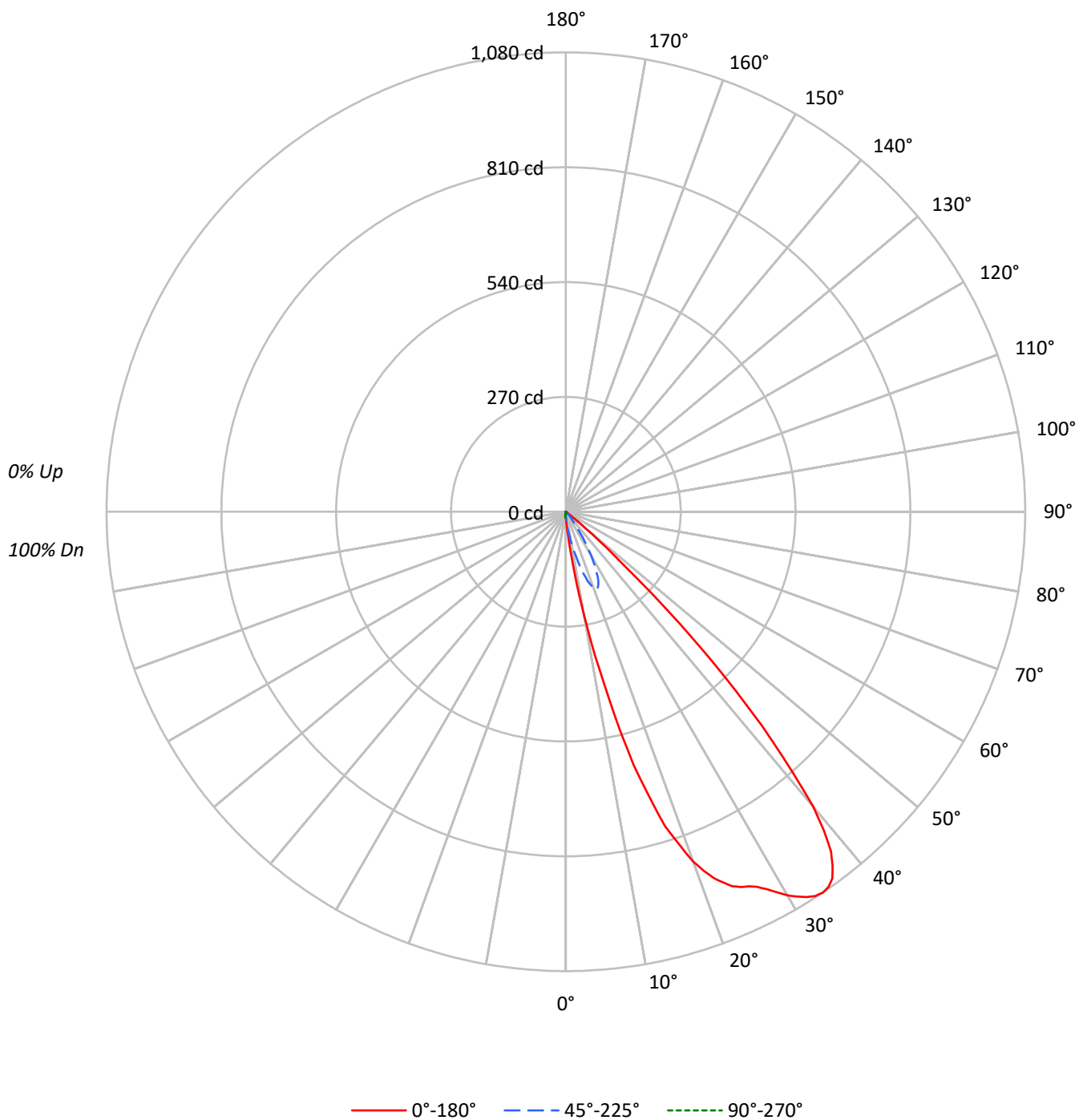
Lumens per Lamp: N/A
Luminaire Lumens: 260.0 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	77	73	70	70	70	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°	2394	2394	2394	2394	2394
5°	8696	5394	2196	882	640
10°	43003	12924	1714	175	0
15°	109725	24623	1088	0	0
20°	160311	35006	440	0	0
25°	184953	34357	95	0	0
30°	206999	23585	0	0	0
35°	226392	10155	0	0	0
40°	203193	3957	0	0	0
45°	103756	1607	0	0	0
50°	16022	188	0	0	0
55°	961	0	60	0	0
60°	0	0	69	0	0
65°	0	0	204	0	0
70°	0	101	252	0	0
75°	0	133	466	0	0
80°	0	198	694	0	0
85°	0	395	1383	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 103756 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	1.1
10°-20°	34.6	13.3
20°-30°	85.6	32.9
30°-40°	98.5	37.9
40°-50°	36.5	14.0
50°-60°	1.3	0.5
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	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°	123.2	47.4
0°-40°	221.6	85.2
0°-60°	259.5	99.8
0°-90°	260.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	260.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	50	31	13	5	4	11
15°	615	138	6	0	0	177
25°	973	181	0	0	0	450
35°	1077	48	0	0	0	653
45°	426	7	0	0	0	332
55°	3	0	0	0	0	11
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	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°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
2.5°	24.6	24.9	24.9	24.2	23.9	23.7	22.9	20.7	17.3	13.9	11.2
5°	50.3	50.5	50.5	49.0	46.1	43.2	40.7	31.2	20.0	12.7	8.3
7.5°	118.6	118.8	113.7	107.8	96.1	90.0	78.8	48.1	22.7	11.5	5.4
10°	245.9	240.6	227.2	210.1	192.0	168.6	144.9	73.9	24.6	9.8	3.4
12.5°	411.1	406.0	388.7	364.3	328.9	283.0	238.1	103.9	24.9	7.8	2.0
15°	615.4	601.0	580.2	539.7	487.5	416.5	342.3	138.1	23.9	6.1	0.5
17.5°	773.7	760.5	734.2	686.8	621.9	543.1	452.1	170.6	21.2	3.9	0.0
20°	874.7	860.8	836.2	794.5	725.4	632.9	528.7	191.0	17.6	2.4	0.0
21°	903.5	890.1	865.9	824.5	755.7	663.4	547.5	195.4	15.9	2.0	0.0
22°	928.9	918.4	896.0	850.8	780.8	685.9	566.6	195.9	14.6	1.5	0.0
23°	946.7	939.1	916.7	875.2	805.4	704.2	576.8	193.0	13.2	1.0	0.0
24°	963.8	954.5	935.2	896.7	824.9	719.5	586.1	187.6	11.7	0.7	0.0
25°	973.3	962.6	947.7	911.6	841.1	729.3	591.7	180.8	10.2	0.5	0.0
26°	979.9	971.6	955.2	920.4	847.9	735.6	592.4	170.8	9.3	0.2	0.0
27°	989.9	981.6	965.7	928.2	850.8	734.7	588.0	159.3	8.1	0.0	0.0
28°	1005.0	994.0	978.2	936.5	852.0	730.5	578.3	146.9	6.8	0.0	0.0
29°	1022.3	1011.1	993.8	947.4	852.3	722.2	562.9	133.2	6.1	0.0	0.0
30°	1040.9	1031.1	1013.6	958.2	855.0	711.5	545.1	118.6	4.9	0.0	0.0
31°	1055.5	1046.7	1028.0	967.9	857.2	702.2	523.1	103.9	4.1	0.0	0.0
32°	1068.2	1060.4	1037.2	970.1	852.8	689.0	499.7	89.8	3.4	0.0	0.0
33°	1077.0	1067.2	1040.2	964.5	840.1	667.3	473.6	76.4	2.7	0.0	0.0
34°	1080.2	1068.5	1035.8	949.9	814.5	634.4	439.7	62.5	2.2	0.0	0.0
35°	1076.8	1062.4	1019.9	924.7	779.8	595.1	398.9	48.3	1.7	0.0	0.0
36°	1065.8	1047.5	997.2	888.9	730.3	548.7	358.2	37.6	1.2	0.0	0.0
37°	1042.1	1021.9	958.4	841.5	681.2	495.6	311.8	29.3	0.7	0.0	0.0
38°	1013.1	983.8	906.7	781.8	617.8	435.8	266.0	24.2	0.5	0.0	0.0
39°	963.5	931.3	845.2	713.0	555.6	378.9	221.3	21.0	0.2	0.0	0.0
40°	903.8	865.5	774.9	639.3	482.1	319.4	184.7	17.6	0.2	0.0	0.0
42.5°	681.7	649.3	551.9	434.8	294.7	188.4	102.5	11.5	0.0	0.0	0.0
45°	426.0	392.1	326.2	238.4	159.6	97.6	49.3	6.6	0.0	0.0	0.0
47.5°	174.0	159.6	131.3	101.0	72.2	45.9	20.5	2.9	0.0	0.0	0.0
50°	59.8	53.2	44.7	32.7	23.2	15.9	10.7	0.7	0.0	0.0	0.0
52.5°	17.3	17.6	15.4	13.2	10.2	7.3	5.4	0.0	0.0	0.0	0.0
55°	3.2	2.7	3.2	2.9	3.2	2.7	2.0	0.0	0.0	0.2	0.0
57.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.2



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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	0.2	0.5	0.7	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.2
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°	13.9	13.9	13.9
2.5°	9.0	8.1	7.6
5°	5.1	3.9	3.7
7.5°	2.7	1.7	1.5
10°	1.0	0.2	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



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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)