

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: P1315870

Luminaire Tested: P3SQAS02R609827DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R609827DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

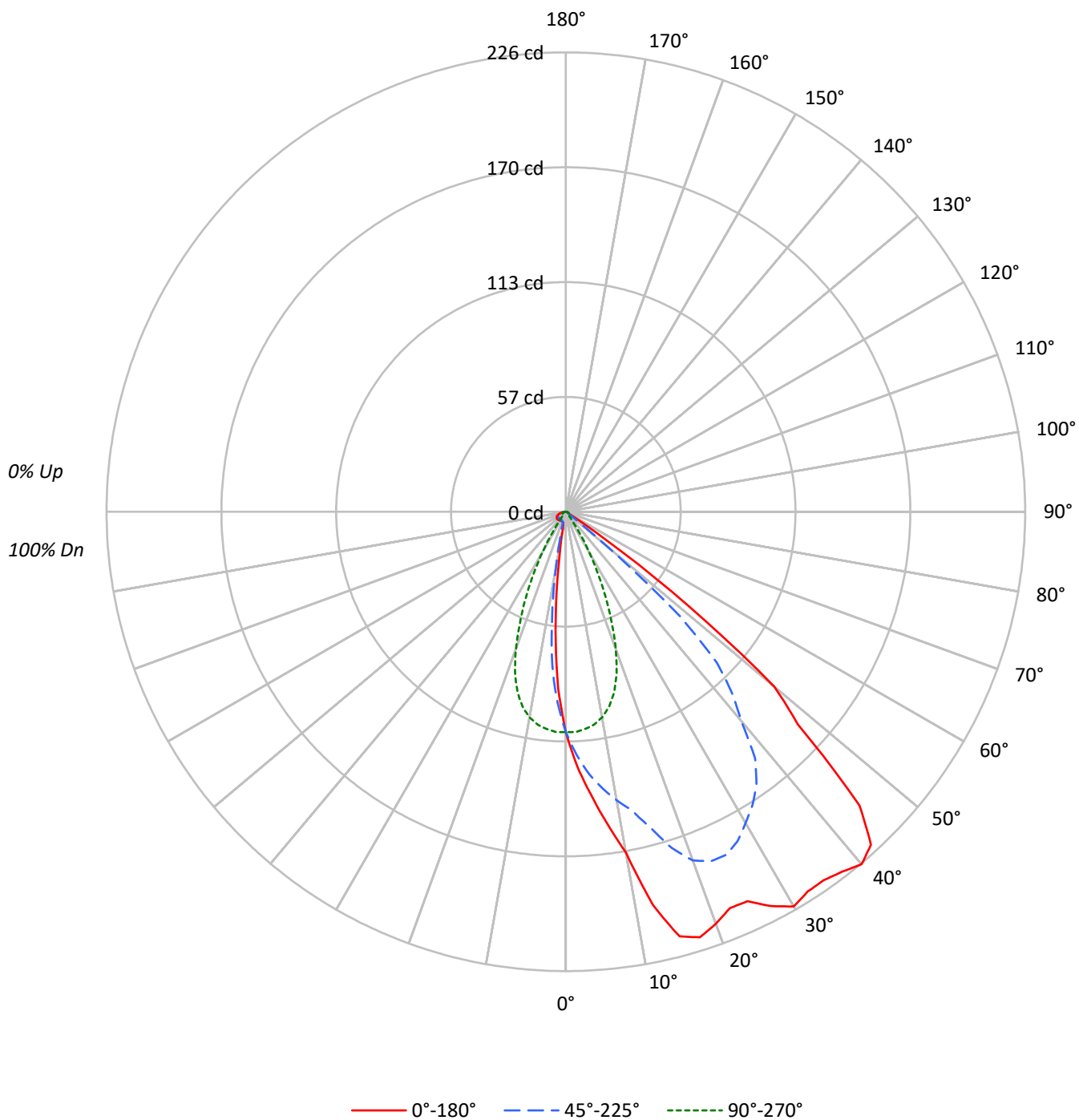
Lumens per Lamp: N/A
Luminaire Lumens: 176.0 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	92	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	83	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	67	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	60	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	54	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	49	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	45	45	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	41	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18652	18652	18652	18652	18652
5°	24100	22371	18550	13208	10079
10°	29782	25218	17960	5002	1486
15°	38566	28706	16386	1088	981
20°	39533	33448	13178	916	953
25°	40172	35402	8836	893	950
30°	44586	35159	4554	895	994
35°	46506	34375	1261	946	1093
40°	50877	30148	607	1012	1192
45°	49784	25622	609	1096	1340
50°	35876	6323	670	1206	1474
55°	6876	390	691	1291	1651
60°	344	413	689	1378	1791
65°	326	408	693	1426	1915
70°	352	403	655	1410	1913
75°	333	466	665	1464	1996
80°	198	496	694	1488	1984
85°	395	395	593	1383	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49784 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	5.4
10°-20°	26.0	14.8
20°-30°	40.0	22.7
30°-40°	47.0	26.7
40°-50°	37.7	21.4
50°-60°	11.7	6.6
60°-70°	2.2	1.3
70°-80°	1.5	0.8
80°-90°	0.5	0.3
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°	75.5	42.9
0°-40°	122.4	69.6
0°-60°	171.8	97.6
0°-90°	176.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	176.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	108	108	108	108	108	
5°	139	129	107	76	58	14
15°	216	161	92	6	6	59
25°	211	186	46	5	5	100
35°	221	164	6	4	5	140
45°	204	105	2	4	6	146
55°	23	1	2	4	6	36
65°	1	1	2	4	5	1
75°	0	1	1	2	3	0
85°	0	0	0	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°	50°
0°	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3
2.5°	125.0	123.6	123.6	123.1	122.6	122.8	121.5	122.0	120.6	119.6	118.8
5°	139.4	137.8	137.6	136.8	135.9	135.3	133.6	132.6	130.6	129.4	127.0
7.5°	154.4	153.0	152.2	151.2	149.7	148.1	145.2	143.4	140.2	137.1	133.9
10°	170.3	169.2	167.3	166.2	162.0	159.4	155.5	153.0	148.4	144.2	139.4
12.5°	198.2	197.6	194.1	191.8	185.8	180.5	172.1	165.5	157.2	150.4	143.9
15°	216.3	215.5	213.7	211.5	207.7	201.7	194.2	184.9	173.3	161.0	150.0
17.5°	219.5	219.7	218.5	218.0	215.5	211.7	205.7	198.7	187.1	173.5	158.5
20°	215.7	217.0	216.7	217.7	218.2	216.7	212.7	205.9	195.7	182.5	165.7
22.5°	211.0	212.2	211.9	213.7	216.5	218.0	216.7	211.2	200.9	186.1	169.7
25°	211.4	212.2	209.7	210.9	214.5	218.2	218.3	213.5	202.4	186.3	169.3
27.5°	218.7	216.2	210.5	210.0	214.5	219.2	219.5	213.5	200.2	182.8	166.0
30°	224.2	222.3	216.0	215.2	219.5	222.7	221.0	211.7	195.1	176.8	161.2
32.5°	221.5	221.8	219.2	221.8	227.5	228.8	221.8	207.4	187.9	171.0	155.5
35°	221.2	222.5	224.0	228.1	232.0	228.8	217.7	199.2	180.3	163.5	146.7
37.5°	223.2	225.3	227.5	231.1	231.1	223.0	206.7	188.9	171.2	152.9	128.4
40°	226.3	227.6	228.3	228.0	223.5	211.5	194.2	176.5	159.5	134.1	116.3
42.5°	222.2	222.0	221.3	218.5	210.2	194.6	178.5	164.0	137.3	121.0	100.7
45°	204.4	204.4	202.6	198.1	190.4	177.5	163.2	142.1	125.1	105.2	74.8
47.5°	154.7	153.5	155.5	158.2	158.2	157.0	144.1	125.8	108.5	75.9	23.9
50°	133.9	132.1	129.6	130.1	129.8	131.1	122.8	109.0	80.3	23.6	1.7
52.5°	75.8	79.1	87.2	98.7	103.9	105.7	100.5	82.9	27.1	1.5	1.3
55°	22.9	23.6	26.8	32.9	44.7	57.2	58.0	26.9	1.8	1.3	1.3
57.5°	1.0	1.0	1.3	2.0	4.7	7.0	7.5	1.7	1.2	1.3	1.3
60°	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.2	1.3
62.5°	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2
65°	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.2
67.5°	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8
72.5°	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.8
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7
77.5°	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
87.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3
2.5°	117.6	116.3	114.8	108.5	102.4	94.0	88.4	86.7
5°	124.8	122.6	119.3	107.3	92.9	76.4	63.1	58.3
7.5°	130.8	127.4	122.8	105.7	81.6	51.8	33.4	28.2
10°	135.1	130.9	125.0	102.7	66.6	28.6	11.3	8.5
12.5°	138.7	133.3	126.1	98.2	48.5	11.6	5.8	5.8
15°	141.2	134.6	126.6	91.9	31.4	6.1	5.5	5.5
17.5°	144.7	136.1	126.6	83.1	17.1	5.3	5.3	5.3
20°	150.4	137.6	124.8	71.9	9.5	5.0	5.2	5.2
22.5°	153.4	139.7	122.5	59.0	6.0	4.8	5.0	5.0
25°	154.0	139.4	117.5	46.5	4.8	4.7	4.8	5.0
27.5°	151.7	137.1	110.8	33.9	4.3	4.5	4.8	5.0
30°	147.6	131.4	100.2	22.9	4.0	4.5	4.8	5.0
32.5°	139.7	117.8	87.7	13.8	3.8	4.5	4.8	5.2
35°	122.3	103.5	73.4	6.0	3.7	4.5	5.0	5.2
37.5°	109.7	89.2	56.8	3.0	3.7	4.5	5.0	5.3
40°	95.7	71.8	26.3	2.7	3.7	4.5	5.0	5.3
42.5°	72.9	33.2	3.2	2.7	3.5	4.5	5.2	5.3
45°	26.6	3.5	1.7	2.5	3.5	4.5	5.2	5.5
47.5°	2.0	1.3	1.5	2.5	3.5	4.5	5.2	5.5
50°	1.3	1.3	1.5	2.5	3.5	4.5	5.2	5.5
52.5°	1.3	1.5	1.5	2.3	3.3	4.5	5.2	5.5
55°	1.3	1.5	1.5	2.3	3.3	4.3	5.2	5.5
57.5°	1.3	1.3	1.5	2.2	3.2	4.2	5.2	5.3
60°	1.3	1.3	1.5	2.0	3.0	4.0	4.8	5.2
62.5°	1.3	1.3	1.3	1.8	2.8	3.8	4.7	5.0
65°	1.2	1.2	1.3	1.7	2.5	3.5	4.3	4.7
67.5°	1.0	1.2	1.2	1.5	2.3	3.2	4.0	4.3
70°	1.0	1.0	1.0	1.3	2.0	2.8	3.7	3.8
72.5°	0.8	0.8	1.0	1.2	1.8	2.5	3.3	3.5
75°	0.7	0.8	0.8	1.0	1.5	2.2	2.8	3.0
77.5°	0.7	0.7	0.7	0.8	1.3	1.8	2.3	2.5
80°	0.5	0.5	0.5	0.7	1.0	1.5	1.8	2.0
82.5°	0.3	0.5	0.5	0.5	0.8	1.0	1.3	1.5
85°	0.3	0.3	0.3	0.3	0.5	0.7	0.8	1.0
87.5°	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)