

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: P1317629

Luminaire Tested: P3SQAS02R659835DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317629
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R659835DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3500K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

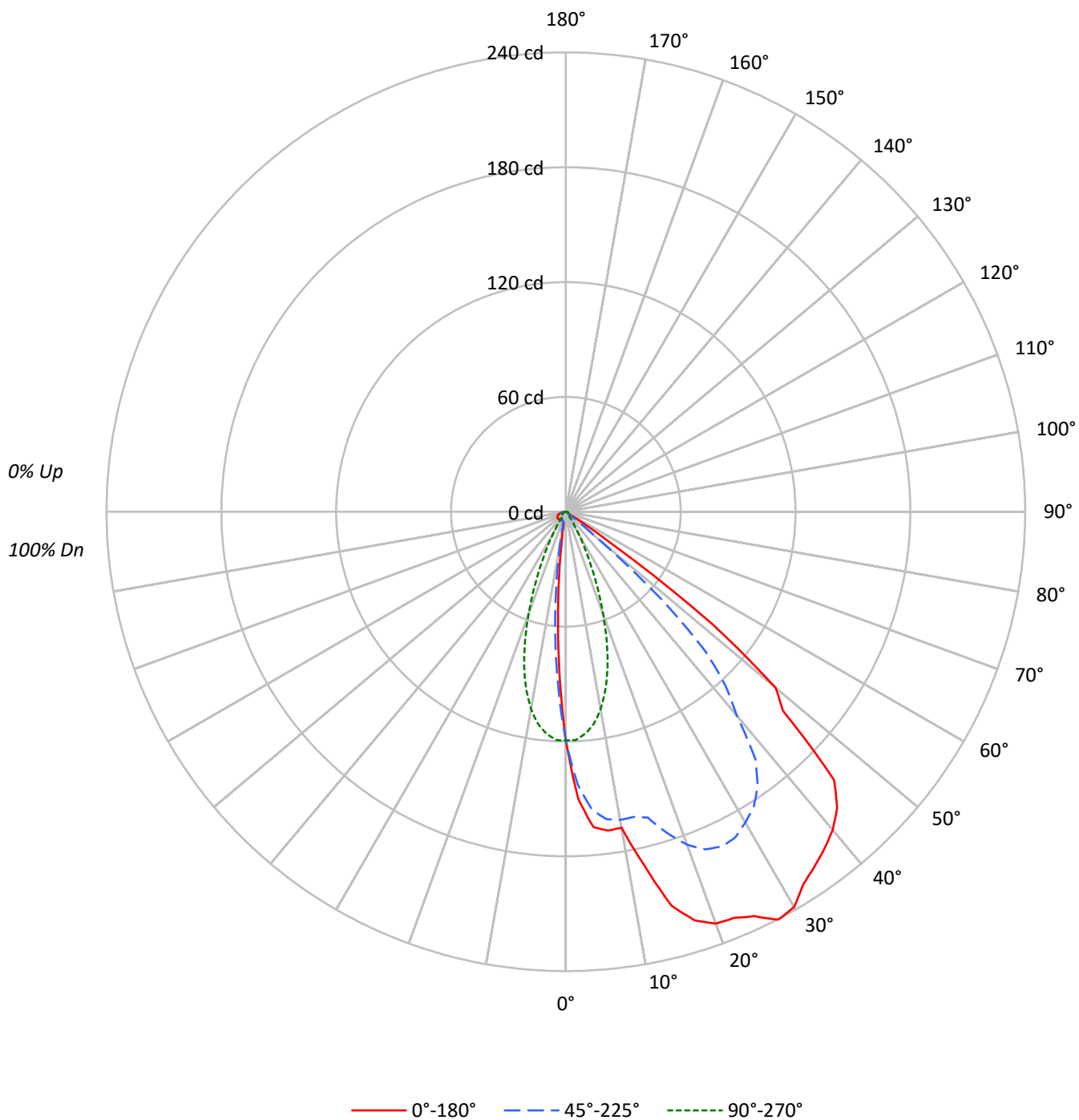
Lumens per Lamp: N/A
Luminaire Lumens: 179.0 lumens
Efficiency: N/A
Efficacy: 49.7 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	92	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	83	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	74	74	72
4	91	82	75	70	89	81	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	68	61	56	66	60	55	64	59	55	63	58	54	54	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	49	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	45	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	41	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	20563	20563	20563	20563	20563
5°	28594	26987	20123	11064	7780
10°	29310	28593	18310	3095	1137
15°	37977	29490	14995	998	963
20°	41970	33924	10428	880	916
25°	44295	36656	5910	855	912
30°	47429	37287	2665	855	955
35°	47599	36730	862	904	1051
40°	48764	31205	585	967	1169
45°	48298	25135	585	1047	1267
50°	38314	5921	589	1152	1447
55°	9098	330	601	1291	1621
60°	310	379	689	1343	1722
65°	367	367	693	1426	1915
70°	302	352	655	1410	1964
75°	266	399	599	1464	1996
80°	198	397	694	1488	1984
85°	395	790	790	1383	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°

Vertical Angle: 45°

Luminance: 48395 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	5.6
10°-20°	26.2	14.7
20°-30°	41.2	23.0
30°-40°	47.2	26.3
40°-50°	37.9	21.2
50°-60°	12.3	6.9
60°-70°	2.2	1.2
70°-80°	1.4	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°	77.4	43.3
0°-40°	124.6	69.6
0°-60°	174.8	97.7
0°-90°	179.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	179.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	119	119	119	119	119	
5°	165	156	116	64	45	16
15°	213	165	84	6	5	59
25°	233	193	31	4	5	109
35°	226	175	4	4	5	142
45°	198	103	2	4	5	143
55°	30	1	2	4	5	43
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°	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4
2.5°	150.3	149.7	150.5	149.2	149.0	147.7	147.0	146.6	144.9	142.7	140.6
5°	165.4	163.1	163.7	163.5	162.6	162.0	161.3	160.3	158.1	156.1	153.5
7.5°	168.0	166.1	166.5	166.7	166.1	165.9	165.7	165.4	163.9	162.0	159.8
10°	167.6	165.7	165.6	165.0	164.4	164.6	164.6	164.6	164.3	163.5	162.8
12.5°	189.2	186.6	186.0	182.1	178.6	172.4	168.5	164.8	163.1	163.3	162.8
15°	213.0	212.8	210.9	207.2	201.3	195.7	186.8	180.1	171.5	165.4	162.8
17.5°	223.8	223.6	221.9	218.8	214.5	209.3	202.8	194.9	185.5	176.0	168.2
20°	229.0	230.3	228.4	225.8	221.7	216.9	210.8	203.7	194.8	185.1	175.8
22.5°	229.7	231.4	229.7	227.9	224.9	221.7	216.5	209.3	200.2	190.9	181.7
25°	233.1	233.6	230.1	227.7	224.9	222.7	218.6	212.2	202.9	192.9	184.0
27.5°	240.3	237.9	230.5	227.1	224.5	222.5	218.6	212.1	202.0	191.8	182.5
30°	238.5	237.5	231.0	227.9	225.6	223.6	218.8	210.4	198.3	187.5	177.8
32.5°	230.8	232.7	230.5	229.4	228.2	225.6	218.6	207.2	193.6	182.7	169.6
35°	226.4	228.6	228.8	228.8	227.5	223.6	215.2	202.6	189.0	174.7	157.2
37.5°	221.9	223.8	224.9	225.6	223.8	218.2	207.6	196.2	181.4	162.6	131.9
40°	216.9	218.2	219.1	219.5	216.7	209.5	199.8	186.9	170.2	138.8	117.7
42.5°	209.8	210.6	210.4	210.2	207.2	199.2	190.1	176.7	143.6	123.7	98.2
45°	198.3	197.6	198.7	198.7	194.8	188.8	176.7	150.7	128.5	103.2	63.2
47.5°	153.7	154.2	159.6	168.3	173.7	172.1	155.7	131.9	108.1	67.7	21.0
50°	143.0	142.5	142.7	143.6	144.2	139.5	127.8	111.4	71.4	22.1	1.5
52.5°	96.0	96.5	100.8	110.7	113.8	110.5	99.3	74.4	26.0	1.5	1.3
55°	30.3	32.4	34.8	40.0	49.1	54.9	53.8	26.4	1.7	1.1	1.3
57.5°	1.1	1.1	1.5	2.6	5.0	8.2	8.6	1.7	1.3	1.3	1.3
60°	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.1	1.1
62.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.1
65°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.9
70°	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7
75°	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.6
80°	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
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°	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4
2.5°	139.5	137.3	132.8	119.4	105.5	91.5	82.8	80.5
5°	150.5	147.9	141.6	116.4	88.2	64.0	50.2	45.0
7.5°	157.2	154.0	146.6	111.8	68.6	37.2	22.3	17.9
10°	160.2	157.4	149.0	104.7	49.7	17.7	7.8	6.5
12.5°	161.5	159.2	149.9	95.4	32.4	7.8	5.8	5.6
15°	162.0	159.6	149.6	84.1	18.4	5.6	5.4	5.4
17.5°	162.6	159.8	147.3	71.1	10.2	5.2	5.0	5.2
20°	167.0	159.0	143.4	56.9	6.7	4.8	4.8	5.0
22.5°	171.5	158.9	136.5	43.5	5.2	4.7	4.8	4.8
25°	173.0	157.0	127.8	31.1	4.5	4.5	4.7	4.8
27.5°	170.2	151.6	116.1	21.0	3.9	4.5	4.7	4.8
30°	163.7	142.5	101.9	13.4	3.7	4.3	4.7	4.8
32.5°	151.6	124.4	86.1	8.0	3.5	4.3	4.8	4.8
35°	127.4	104.4	68.3	4.1	3.5	4.3	4.8	5.0
37.5°	111.4	87.1	47.6	2.8	3.5	4.3	4.8	5.0
40°	92.5	62.9	19.9	2.6	3.5	4.3	4.8	5.2
42.5°	64.0	27.3	3.2	2.4	3.3	4.3	5.0	5.2
45°	23.1	3.5	1.5	2.4	3.3	4.3	5.0	5.2
47.5°	2.0	1.3	1.5	2.4	3.3	4.3	5.0	5.4
50°	1.3	1.3	1.3	2.2	3.3	4.3	5.0	5.4
52.5°	1.3	1.3	1.3	2.2	3.2	4.3	5.2	5.4
55°	1.3	1.3	1.3	2.0	3.2	4.3	5.0	5.4
57.5°	1.3	1.3	1.5	2.0	3.2	4.1	5.0	5.2
60°	1.3	1.3	1.3	2.0	3.0	3.9	4.8	5.0
62.5°	1.1	1.3	1.3	1.9	2.8	3.7	4.7	4.8
65°	1.1	1.1	1.3	1.7	2.6	3.5	4.3	4.7
67.5°	0.9	1.1	1.1	1.5	2.2	3.2	3.9	4.3
70°	0.9	0.9	0.9	1.3	2.0	2.8	3.7	3.9
72.5°	0.7	0.9	0.9	1.1	1.7	2.4	3.2	3.5
75°	0.7	0.7	0.7	0.9	1.5	2.2	2.8	3.0
77.5°	0.6	0.6	0.7	0.7	1.3	1.7	2.4	2.6
80°	0.6	0.6	0.6	0.7	0.9	1.5	1.9	2.0
82.5°	0.4	0.4	0.4	0.6	0.7	0.9	1.3	1.5
85°	0.4	0.4	0.4	0.4	0.6	0.7	0.9	0.9
87.5°	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)