

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: P1308697

Luminaire Tested: P3SQAS02R609035DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R609035DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

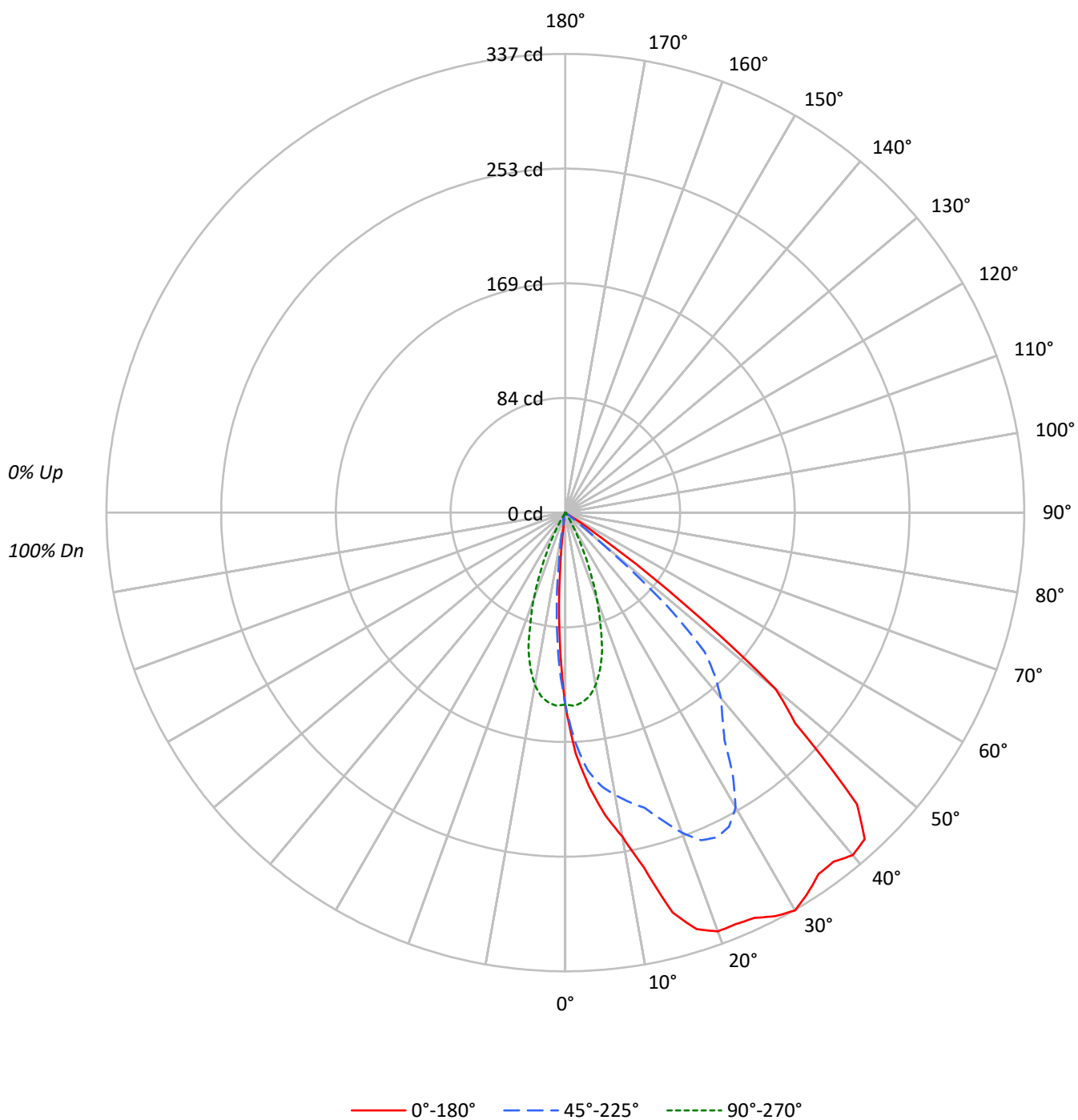
Lumens per Lamp: N/A
Luminaire Lumens: 229.1 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	79	69	62	57	67	61	56	65	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	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	24266	24266	24266	24266	24266
5°	34974	32934	24221	12482	8022
10°	42303	36830	22489	1486	874
15°	54220	40010	18632	981	802
20°	60004	45856	12499	550	92
25°	62405	50015	6138	57	0
30°	67097	49716	1690	0	0
35°	68161	42806	0	0	0
40°	73831	39906	0	0	0
45°	73750	35243	0	0	0
50°	54015	8520	0	0	0
55°	10539	0	0	0	0
60°	0	0	0	0	0
65°	0	122	122	0	0
70°	0	151	151	0	0
75°	0	200	200	0	0
80°	0	298	298	298	0
85°	0	593	593	593	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 73896 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	5.3
10°-20°	34.5	15.0
20°-30°	54.9	24.0
30°-40°	63.5	27.7
40°-50°	50.4	22.0
50°-60°	13.3	5.8
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°	101.5	44.3
0°-40°	164.9	72.0
0°-60°	228.6	99.8
0°-90°	229.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	229.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	141	141	141	141	141	
5°	202	190	140	72	46	20
15°	304	224	104	6	4	85
25°	328	263	32	0	0	153
35°	324	204	0	0	0	206
45°	303	145	0	0	0	216
55°	35	0	0	0	0	53
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	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°	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9
2.5°	177.2	179.0	178.3	177.5	175.7	175.0	175.0	173.0	169.7	169.2	167.0
5°	202.3	202.8	202.8	202.3	201.1	199.1	198.6	196.6	193.5	190.5	187.5
7.5°	224.1	223.9	222.4	221.4	219.1	216.4	213.9	211.1	206.6	202.6	198.3
10°	241.9	242.7	241.4	238.9	235.9	232.2	228.1	223.4	216.6	210.6	205.1
12.5°	267.0	266.7	263.5	259.2	252.0	244.9	238.7	233.4	225.1	217.9	211.1
15°	304.1	303.6	300.6	296.8	286.3	275.8	265.0	250.2	236.4	224.4	214.9
17.5°	320.9	321.9	319.4	317.4	311.4	304.4	294.8	280.0	258.7	236.9	216.9
20°	327.4	328.7	326.9	326.7	323.9	320.6	312.9	296.8	276.0	250.2	225.4
22.5°	327.2	328.2	327.4	330.7	333.9	332.2	322.7	306.6	285.3	260.5	232.4
25°	328.4	327.7	324.9	329.7	334.4	332.9	328.2	314.4	291.1	263.2	234.9
27.5°	334.2	328.7	323.2	329.2	331.4	331.9	329.2	312.9	290.1	260.2	229.9
30°	337.4	331.4	326.9	331.9	331.9	334.7	328.9	310.4	281.5	250.0	216.6
32.5°	331.4	330.2	334.2	339.2	340.5	340.5	327.7	302.1	267.3	228.9	195.3
35°	324.2	327.2	338.7	341.0	341.0	335.4	319.9	287.6	245.9	203.6	179.5
37.5°	323.4	328.2	341.0	338.2	333.7	323.4	300.8	262.2	215.6	189.3	167.7
40°	328.4	332.9	340.5	330.4	319.6	303.6	276.5	229.1	197.3	177.5	153.4
42.5°	325.4	329.7	329.9	315.1	299.8	278.0	242.2	202.3	184.0	162.5	137.1
45°	302.8	303.4	302.3	286.6	270.8	248.2	210.1	189.0	169.5	144.7	100.8
47.5°	228.9	227.9	231.7	227.1	227.9	214.4	190.8	173.5	150.2	101.5	30.6
50°	201.6	200.3	196.6	192.5	188.5	182.0	171.0	152.4	108.3	31.8	1.0
52.5°	108.1	114.1	125.9	143.9	150.7	150.2	141.9	112.8	34.1	0.3	0.0
55°	35.1	34.6	38.6	45.6	62.7	72.2	75.2	38.4	0.8	0.0	0.0
57.5°	0.0	0.0	0.0	0.8	2.5	6.5	8.5	0.5	0.0	0.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9
2.5°	164.0	160.5	156.4	142.1	125.4	109.1	97.3	94.3
5°	182.8	176.7	168.2	140.1	103.5	72.2	51.6	46.4
7.5°	192.5	187.3	178.3	136.1	80.2	35.6	13.3	9.0
10°	198.6	192.3	182.3	128.6	52.4	8.5	4.8	5.0
12.5°	202.8	195.5	184.3	117.8	26.6	4.3	6.0	6.3
15°	204.6	196.8	184.0	104.5	9.5	5.5	5.3	4.5
17.5°	203.6	193.8	180.8	85.5	3.3	5.3	2.8	2.3
20°	202.3	191.3	175.5	68.2	2.8	3.0	1.0	0.5
22.5°	206.3	187.0	168.2	48.9	2.8	1.0	0.0	0.0
25°	206.8	185.3	158.9	32.3	1.3	0.3	0.0	0.0
27.5°	201.8	175.0	144.7	19.1	0.0	0.0	0.0	0.0
30°	185.8	162.2	129.4	8.5	0.0	0.0	0.0	0.0
32.5°	170.0	147.9	112.3	2.0	0.0	0.0	0.0	0.0
35°	157.4	133.1	93.5	0.0	0.0	0.0	0.0	0.0
37.5°	141.9	115.6	69.7	0.0	0.0	0.0	0.0	0.0
40°	125.6	93.3	34.8	0.0	0.0	0.0	0.0	0.0
42.5°	98.0	44.4	3.5	0.0	0.0	0.0	0.0	0.0
45°	37.6	4.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
65°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
67.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
70°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
72.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
75°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
77.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
82.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)