

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: P1307592

Luminaire Tested: P3SQAS02R709030DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709030DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

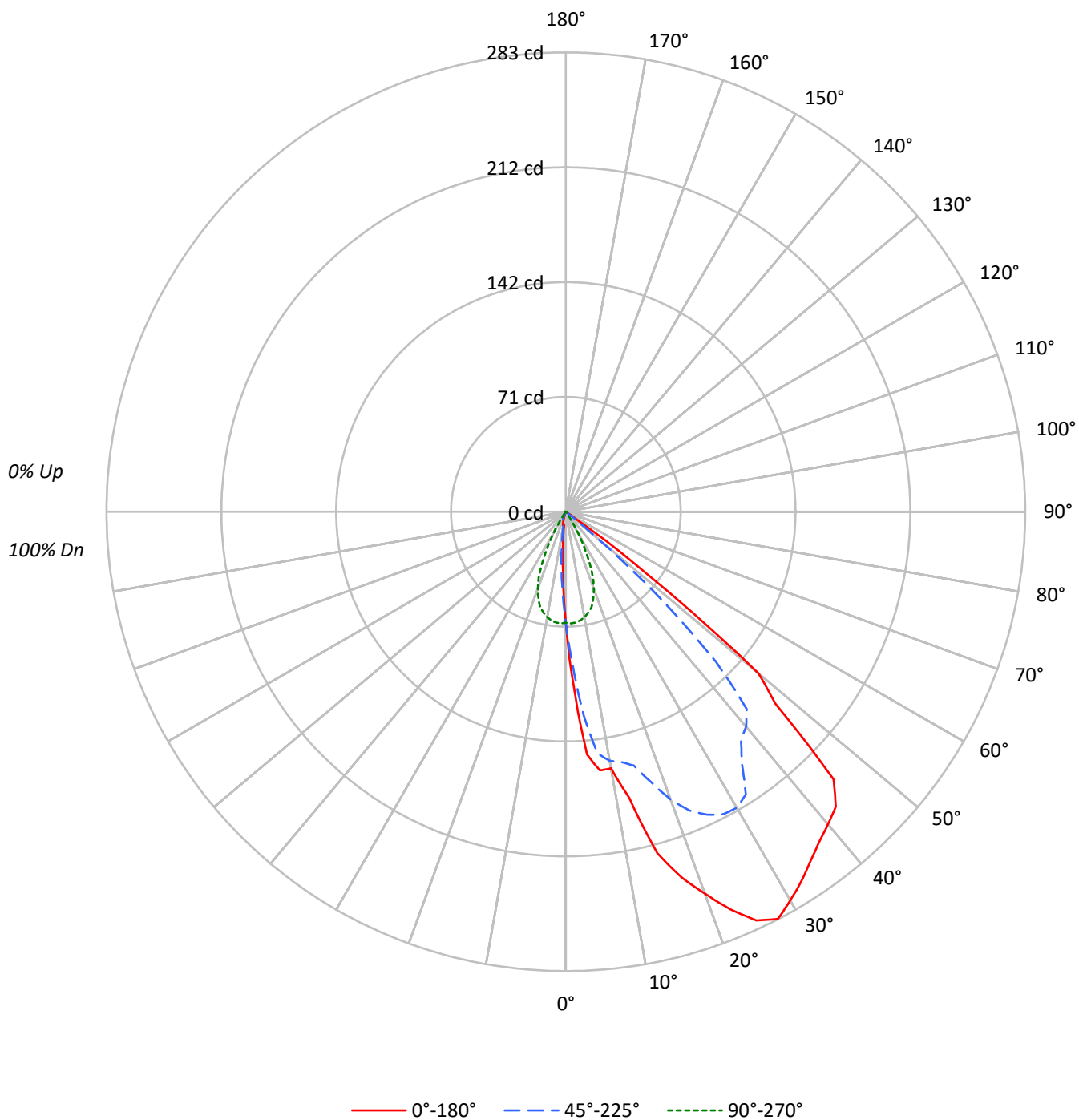
Lumens per Lamp: N/A
Luminaire Lumens: 184.1 lumens
Efficiency: N/A
Efficacy: 51.1 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	90	87	91	88	85	88	86	84	82		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48		
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11763	11763	11763	11763	11763
5°	25949	21766	11842	5394	3544
10°	28068	27246	11542	1504	1539
15°	38833	28849	10876	1533	1105
20°	45874	34547	9237	898	330
25°	52789	39126	6518	152	0
30°	54986	41881	3003	0	0
35°	55252	39694	168	0	0
40°	56497	38827	0	0	0
45°	56798	31809	0	0	0
50°	41476	6618	0	0	0
55°	2342	0	0	0	0
60°	0	103	103	0	0
65°	0	0	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: 57870 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	4.1
10°-20°	24.9	13.6
20°-30°	44.8	24.4
30°-40°	54.5	29.6
40°-50°	42.1	22.9
50°-60°	9.8	5.3
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°	77.3	42.0
0°-40°	131.8	71.6
0°-60°	183.7	99.8
0°-90°	184.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	184.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	68	68	68	68	68	
5°	150	126	68	31	20	14
15°	218	162	61	9	6	61
25°	278	206	34	1	0	126
35°	263	189	1	0	0	165
45°	233	131	0	0	0	165
55°	8	0	0	0	0	32
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°	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
2.5°	106.5	106.5	107.0	106.7	104.4	103.3	100.0	98.1	97.6	93.5	91.9
5°	150.1	150.3	149.0	148.8	146.2	144.4	141.5	137.1	132.7	125.9	120.0
7.5°	160.7	160.5	160.2	160.2	159.7	158.6	157.3	156.1	154.2	150.1	145.4
10°	160.5	160.5	160.2	160.2	159.9	160.2	159.9	159.2	158.4	155.8	153.2
12.5°	180.7	179.2	177.1	174.0	168.8	164.9	160.5	159.2	158.6	157.9	156.3
15°	217.8	216.6	212.1	206.7	201.5	192.7	185.7	176.0	168.5	161.8	158.4
17.5°	235.8	236.5	231.6	228.2	223.3	216.3	208.0	198.1	187.5	174.7	164.6
20°	250.3	251.1	246.9	243.6	237.8	230.6	223.3	212.7	202.5	188.5	175.3
22.5°	265.1	265.6	261.7	256.8	250.3	242.8	233.4	222.5	211.6	199.2	185.1
25°	277.8	277.3	270.8	263.8	257.6	249.5	240.4	229.8	219.4	205.9	192.7
27.5°	282.8	282.5	275.2	268.5	261.2	250.3	242.3	232.9	222.0	210.1	196.6
30°	276.5	280.7	276.0	271.1	262.2	251.3	243.6	232.4	222.3	210.6	195.3
32.5°	270.0	275.2	273.7	271.3	261.0	252.4	242.3	231.9	219.9	206.4	183.1
35°	262.8	268.2	268.5	265.9	256.5	248.0	238.6	227.7	214.2	188.8	171.6
37.5°	256.3	261.5	263.0	257.6	250.3	238.9	230.3	218.9	194.5	177.3	168.5
40°	251.3	255.2	257.6	249.0	241.7	230.6	220.7	200.7	178.6	172.7	160.2
42.5°	246.2	249.8	250.8	241.5	230.3	219.7	205.4	180.2	173.7	164.9	131.4
45°	233.2	237.6	235.0	225.9	217.6	206.4	185.1	174.2	167.2	130.6	80.8
47.5°	175.0	179.9	187.0	189.5	192.4	184.4	172.7	168.8	137.4	79.2	25.2
50°	154.8	154.0	154.0	155.3	157.6	160.2	163.6	142.3	82.6	24.7	0.0
52.5°	63.1	66.2	81.5	95.3	111.1	127.0	131.9	87.2	32.2	0.5	0.0
55°	7.8	7.8	10.9	18.7	30.9	49.9	56.1	28.0	2.3	0.0	0.0
57.5°	0.0	0.0	0.0	0.3	2.1	5.7	3.9	1.0	0.3	0.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
2.5°	89.3	86.2	81.8	68.8	57.6	47.8	42.1	39.2
5°	114.2	106.7	96.6	68.5	46.7	31.2	23.4	20.5
7.5°	138.1	129.6	112.4	67.5	35.8	18.2	10.1	8.0
10°	148.5	142.3	127.0	66.0	26.0	8.6	8.6	8.8
12.5°	152.7	148.0	135.5	63.6	17.1	8.3	8.8	8.3
15°	155.5	151.1	139.7	61.0	9.9	8.6	7.0	6.2
17.5°	157.1	151.9	141.0	56.1	6.5	7.3	4.4	3.6
20°	162.0	153.7	142.0	50.4	6.2	4.9	2.3	1.8
22.5°	170.3	157.3	142.3	43.4	4.9	2.9	0.8	0.0
25°	177.9	162.3	143.1	34.3	1.6	0.8	0.0	0.0
27.5°	181.5	163.8	142.8	24.1	0.0	0.0	0.0	0.0
30°	177.1	159.9	140.5	15.1	0.0	0.0	0.0	0.0
32.5°	166.7	157.1	133.2	6.5	0.0	0.0	0.0	0.0
35°	163.3	150.9	116.6	0.8	0.0	0.0	0.0	0.0
37.5°	155.8	132.9	85.7	0.0	0.0	0.0	0.0	0.0
40°	134.0	96.1	40.8	0.0	0.0	0.0	0.0	0.0
42.5°	88.5	41.0	2.3	0.0	0.0	0.0	0.0	0.0
45°	31.2	2.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.5	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	0.3	0.3	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0
67.5°	0.3	0.3	0.3	0.3	0.0	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	0.3	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	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)