

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: P1310914

Luminaire Tested: P3SQAS02R609050DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310914
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: P3SQAS02R609050DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

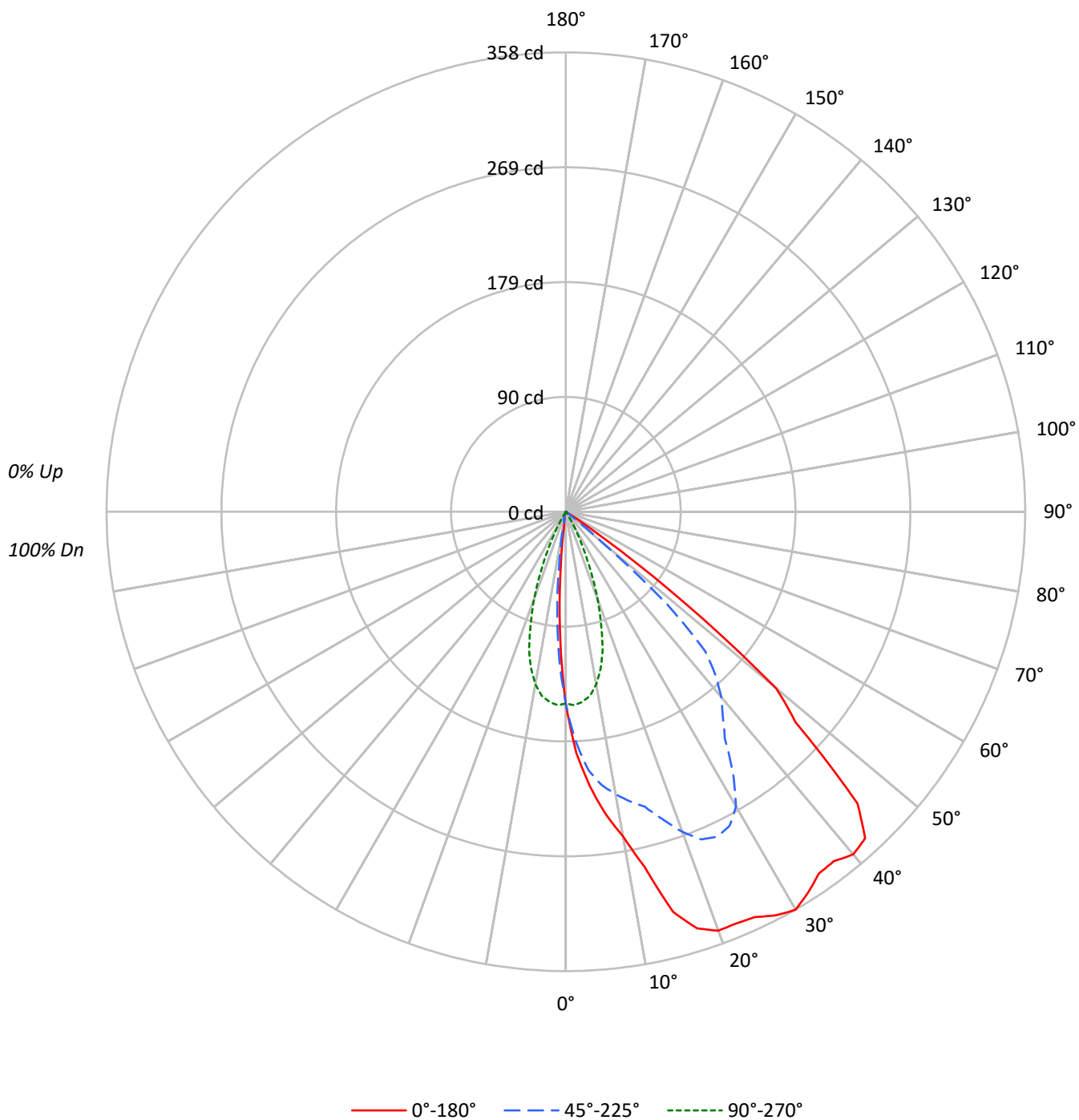
Lumens per Lamp: N/A
Luminaire Lumens: 243.1 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	55	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°	25747	25747	25747	25747	25747
5°	37117	34956	25707	13243	8506
10°	44892	39086	23871	1574	927
15°	57537	42453	19773	1052	856
20°	63670	48660	13269	586	92
25°	66224	53074	6518	57	0
30°	71214	52739	1790	0	0
35°	72324	45413	0	0	0
40°	78350	42334	0	0	0
45°	78280	37386	0	0	0
50°	57310	9056	0	0	0
55°	11170	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: 78402 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	5.3
10°-20°	36.6	15.0
20°-30°	58.3	24.0
30°-40°	67.4	27.7
40°-50°	53.5	22.0
50°-60°	14.1	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°	107.7	44.3
0°-40°	175.0	72.0
0°-60°	242.6	99.8
0°-90°	243.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	243.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	150	150	150	150	150	
5°	215	202	149	77	49	22
15°	323	238	111	6	5	90
25°	348	279	34	0	0	163
35°	344	216	0	0	0	218
45°	321	154	0	0	0	229
55°	37	0	0	0	0	56
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°	149.5	149.5	149.5	149.5	149.5	149.5	149.5	149.5	149.5	149.5	149.5
2.5°	188.1	189.9	189.1	188.3	186.5	185.7	185.7	183.6	180.1	179.6	177.2
5°	214.7	215.2	215.2	214.7	213.4	211.2	210.7	208.6	205.4	202.2	199.0
7.5°	237.8	237.6	236.0	234.9	232.5	229.6	226.9	224.0	219.2	215.0	210.4
10°	256.7	257.5	256.2	253.5	250.3	246.3	242.1	237.0	229.9	223.5	217.6
12.5°	283.3	283.1	279.6	275.1	267.4	259.9	253.3	247.7	238.9	231.2	224.0
15°	322.7	322.2	319.0	315.0	303.8	292.6	281.2	265.5	250.9	238.1	228.0
17.5°	340.5	341.6	338.9	336.8	330.4	323.0	312.9	297.2	274.5	251.4	230.1
20°	347.4	348.8	346.9	346.6	343.7	340.3	332.0	315.0	292.9	265.5	239.2
22.5°	347.2	348.2	347.4	350.9	354.4	352.5	342.4	325.4	302.7	276.4	246.6
25°	348.5	347.7	344.8	349.8	354.9	353.3	348.2	333.6	308.9	279.3	249.3
27.5°	354.6	348.8	342.9	349.3	351.7	352.2	349.3	332.0	307.8	276.1	243.9
30°	358.1	351.7	346.9	352.2	352.2	355.2	349.0	329.3	298.8	265.2	229.9
32.5°	351.7	350.4	354.6	359.9	361.3	361.3	347.7	320.6	283.6	242.9	207.2
35°	344.0	347.2	359.4	361.8	361.8	355.9	339.5	305.1	261.0	216.0	190.5
37.5°	343.2	348.2	361.8	358.9	354.1	343.2	319.2	278.3	228.8	200.9	178.0
40°	348.5	353.3	361.3	350.6	339.2	322.2	293.4	243.2	209.4	188.3	162.8
42.5°	345.3	349.8	350.1	334.4	318.2	295.0	257.0	214.7	195.3	172.4	145.5
45°	321.4	321.9	320.8	304.1	287.3	263.4	222.9	200.6	179.8	153.5	106.9
47.5°	242.9	241.8	245.8	241.0	241.8	227.5	202.4	184.1	159.4	107.7	32.5
50°	213.9	212.6	208.6	204.3	200.1	193.1	181.4	161.7	114.9	33.8	1.1
52.5°	114.7	121.0	133.5	152.7	159.9	159.4	150.6	119.7	36.2	0.3	0.0
55°	37.2	36.7	41.0	48.4	66.5	76.6	79.8	40.7	0.8	0.0	0.0
57.5°	0.0	0.0	0.0	0.8	2.7	6.9	9.0	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°	149.5	149.5	149.5	149.5	149.5	149.5	149.5	149.5
2.5°	174.0	170.3	166.0	150.8	133.0	115.7	103.2	100.0
5°	193.9	187.6	178.5	148.7	109.9	76.6	54.8	49.2
7.5°	204.3	198.7	189.1	144.5	85.1	37.8	14.1	9.6
10°	210.7	204.0	193.4	136.5	55.6	9.0	5.1	5.3
12.5°	215.2	207.5	195.5	125.0	28.2	4.5	6.4	6.7
15°	217.1	208.8	195.3	110.9	10.1	5.9	5.6	4.8
17.5°	216.0	205.6	191.8	90.7	3.5	5.6	2.9	2.4
20°	214.7	203.0	186.2	72.4	2.9	3.2	1.1	0.5
22.5°	218.9	198.5	178.5	51.9	2.9	1.1	0.0	0.0
25°	219.5	196.6	168.7	34.3	1.3	0.3	0.0	0.0
27.5°	214.2	185.7	153.5	20.2	0.0	0.0	0.0	0.0
30°	197.1	172.1	137.3	9.0	0.0	0.0	0.0	0.0
32.5°	180.4	157.0	119.2	2.1	0.0	0.0	0.0	0.0
35°	167.1	141.3	99.2	0.0	0.0	0.0	0.0	0.0
37.5°	150.6	122.6	74.0	0.0	0.0	0.0	0.0	0.0
40°	133.3	99.0	37.0	0.0	0.0	0.0	0.0	0.0
42.5°	104.0	47.1	3.7	0.0	0.0	0.0	0.0	0.0
45°	39.9	4.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2.1	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)