

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: P1312010

Luminaire Tested: P3SQAS02R609727DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312010
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: P3SQAS02R609727DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

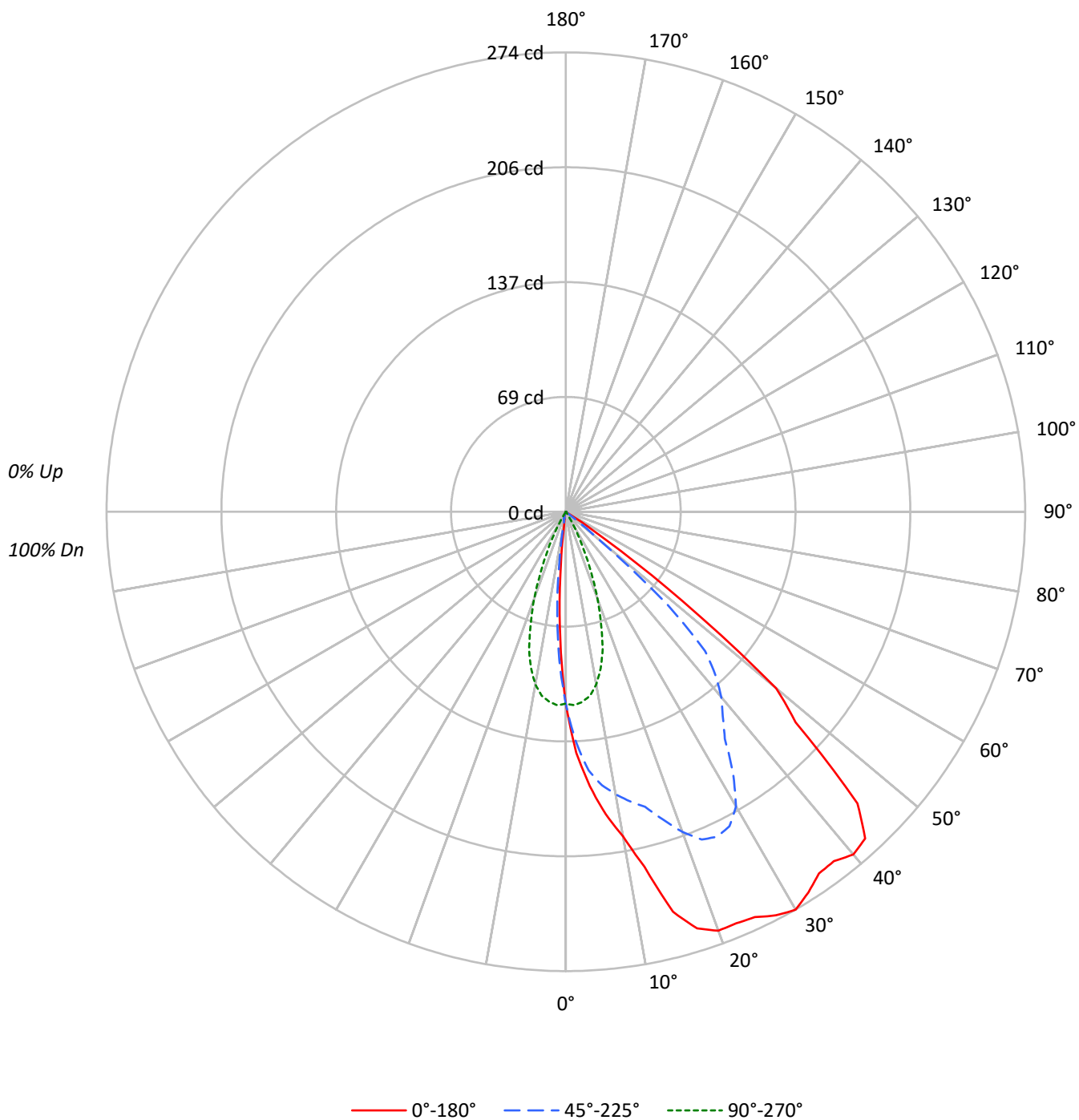
Lumens per Lamp: N/A
Luminaire Lumens: 186.0 lumens
Efficiency: N/A
Efficacy: 51.7 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	64	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°	19702	19702	19702	19702	19702
5°	28404	26762	19674	10131	6518
10°	34364	29904	18275	1207	717
15°	44040	32486	15138	802	660
20°	48733	37242	10153	440	73
25°	50699	40628	4998	38	0
30°	54509	40370	1372	0	0
35°	55358	34754	0	0	0
40°	59982	32419	0	0	0
45°	59916	28618	0	0	0
50°	43860	6939	0	0	0
55°	8557	0	0	0	0
60°	0	0	0	0	0
65°	0	82	82	0	0
70°	0	101	101	0	0
75°	0	133	133	0	0
80°	0	198	198	198	0
85°	0	395	395	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 60013 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	5.3
10°-20°	28.0	15.0
20°-30°	44.6	24.0
30°-40°	51.6	27.7
40°-50°	40.9	22.0
50°-60°	10.8	5.8
60°-70°	0.1	0.0
70°-80°	0.1	0.1
80°-90°	0.1	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°	82.4	44.3
0°-40°	134.0	72.0
0°-60°	185.7	99.8
0°-90°	186.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	186.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	114	114	114	114	114	
5°	164	155	114	59	38	17
15°	247	182	85	4	4	69
25°	267	214	26	0	0	124
35°	263	165	0	0	0	167
45°	246	118	0	0	0	175
55°	28	0	0	0	0	43
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°	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.4
2.5°	144.0	145.4	144.8	144.2	142.7	142.1	142.1	140.5	137.9	137.4	135.6
5°	164.3	164.7	164.7	164.3	163.3	161.7	161.3	159.6	157.2	154.8	152.3
7.5°	182.0	181.8	180.6	179.8	178.0	175.7	173.7	171.5	167.8	164.5	161.1
10°	196.5	197.1	196.1	194.1	191.6	188.6	185.3	181.4	175.9	171.0	166.6
12.5°	216.9	216.7	214.0	210.6	204.6	198.9	193.9	189.6	182.9	177.0	171.5
15°	247.0	246.6	244.2	241.1	232.5	224.0	215.2	203.2	192.0	182.2	174.5
17.5°	260.6	261.5	259.4	257.8	252.9	247.2	239.5	227.5	210.1	192.4	176.1
20°	265.9	267.0	265.5	265.3	263.1	260.4	254.1	241.1	224.2	203.2	183.1
22.5°	265.7	266.5	265.9	268.6	271.2	269.8	262.1	249.0	231.7	211.6	188.8
25°	266.8	266.1	263.9	267.8	271.6	270.4	266.5	255.3	236.4	213.8	190.8
27.5°	271.4	267.0	262.5	267.4	269.2	269.6	267.4	254.1	235.6	211.4	186.7
30°	274.1	269.2	265.5	269.6	269.6	271.8	267.2	252.1	228.7	203.0	175.9
32.5°	269.2	268.2	271.4	275.5	276.5	276.5	266.1	245.4	217.1	185.9	158.6
35°	263.3	265.7	275.1	276.9	276.9	272.5	259.8	233.6	199.8	165.3	145.8
37.5°	262.7	266.5	276.9	274.7	271.0	262.7	244.4	213.0	175.1	153.7	136.2
40°	266.8	270.4	276.5	268.4	259.6	246.6	224.6	186.1	160.3	144.2	124.6
42.5°	264.3	267.8	268.0	256.0	243.5	225.8	196.7	164.3	149.5	132.0	111.4
45°	246.0	246.4	245.6	232.7	219.9	201.6	170.6	153.5	137.7	117.5	81.9
47.5°	185.9	185.1	188.2	184.5	185.1	174.1	155.0	140.9	122.0	82.5	24.8
50°	163.7	162.7	159.6	156.4	153.1	147.8	138.9	123.8	88.0	25.9	0.8
52.5°	87.8	92.7	102.2	116.9	122.4	122.0	115.3	91.6	27.7	0.2	0.0
55°	28.5	28.1	31.4	37.1	50.9	58.6	61.1	31.2	0.6	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	2.0	5.3	6.9	0.4	0.0	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.4
2.5°	133.2	130.3	127.1	115.5	101.8	88.6	79.0	76.6
5°	148.4	143.6	136.6	113.8	84.1	58.6	41.9	37.7
7.5°	156.4	152.1	144.8	110.6	65.2	28.9	10.8	7.3
10°	161.3	156.2	148.0	104.5	42.6	6.9	3.9	4.1
12.5°	164.7	158.8	149.7	95.7	21.6	3.5	4.9	5.1
15°	166.2	159.8	149.5	84.9	7.7	4.5	4.3	3.7
17.5°	165.3	157.4	146.8	69.4	2.6	4.3	2.2	1.8
20°	164.3	155.4	142.5	55.4	2.2	2.4	0.8	0.4
22.5°	167.6	151.9	136.6	39.7	2.2	0.8	0.0	0.0
25°	168.0	150.5	129.1	26.3	1.0	0.2	0.0	0.0
27.5°	163.9	142.1	117.5	15.5	0.0	0.0	0.0	0.0
30°	150.9	131.7	105.1	6.9	0.0	0.0	0.0	0.0
32.5°	138.1	120.1	91.2	1.6	0.0	0.0	0.0	0.0
35°	127.9	108.1	76.0	0.0	0.0	0.0	0.0	0.0
37.5°	115.3	93.9	56.6	0.0	0.0	0.0	0.0	0.0
40°	102.0	75.7	28.3	0.0	0.0	0.0	0.0	0.0
42.5°	79.6	36.0	2.9	0.0	0.0	0.0	0.0	0.0
45°	30.5	3.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.6	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°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
65°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
67.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
70°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
77.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
82.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)