

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: P1312983

Luminaire Tested: P3SQAS02R609730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312983
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: P3SQAS02R609730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

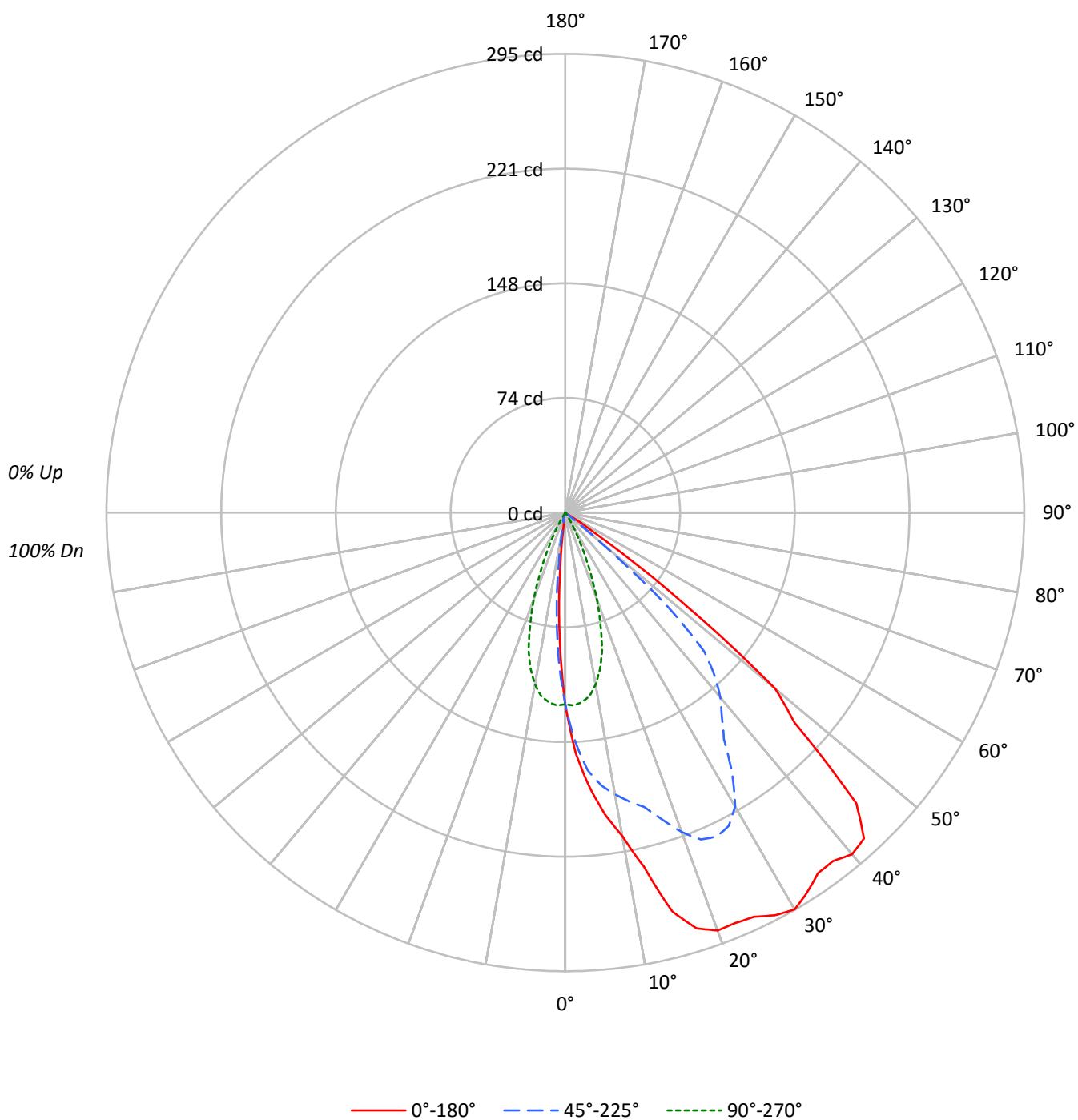
Lumens per Lamp: N/A
Luminaire Lumens: 200.0 lumens
Efficiency: N/A
Efficacy: 55.5 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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°	21201	21201	21201	21201	21201
5°	30548	28767	21161	10909	7002
10°	36952	32160	19639	1294	769
15°	47356	34946	16279	856	695
20°	52417	40046	10923	477	73
25°	54500	43687	5359	38	0
30°	58606	43412	1472	0	0
35°	59520	37382	0	0	0
40°	64479	34847	0	0	0
45°	64422	30762	0	0	0
50°	47156	7448	0	0	0
55°	9218	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: 64519 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	5.3
10°-20°	30.1	15.0
20°-30°	48.0	24.0
30°-40°	55.4	27.7
40°-50°	44.0	22.0
50°-60°	11.6	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°	88.6	44.3
0°-40°	144.1	72.0
0°-60°	199.7	99.8
0°-90°	200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	200.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	123	123	123	123	123	
5°	177	166	122	63	40	18
15°	266	196	91	5	4	74
25°	287	230	28	0	0	134
35°	283	178	0	0	0	180
45°	264	126	0	0	0	188
55°	31	0	0	0	0	46
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°	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1
2.5°	154.8	156.3	155.7	155.0	153.5	152.8	152.8	151.1	148.2	147.8	145.8
5°	176.7	177.1	177.1	176.7	175.6	173.9	173.4	171.7	169.0	166.4	163.8
7.5°	195.7	195.5	194.2	193.3	191.4	189.0	186.8	184.4	180.4	176.9	173.2
10°	211.3	211.9	210.9	208.7	206.0	202.8	199.2	195.1	189.2	183.9	179.1
12.5°	233.2	233.0	230.1	226.4	220.0	213.9	208.4	203.8	196.6	190.3	184.4
15°	265.6	265.2	262.5	259.2	250.0	240.9	231.4	218.5	206.5	196.0	187.6
17.5°	280.3	281.1	278.9	277.2	271.9	265.8	257.5	244.6	226.0	206.9	189.4
20°	286.0	287.1	285.5	285.3	282.9	280.0	273.3	259.2	241.1	218.5	196.8
22.5°	285.7	286.6	286.0	288.8	291.6	290.1	281.8	267.8	249.2	227.5	203.0
25°	286.8	286.2	283.8	287.9	292.1	290.8	286.6	274.6	254.2	229.9	205.2
27.5°	291.9	287.1	282.2	287.5	289.5	289.9	287.5	273.3	253.3	227.3	200.8
30°	294.7	289.5	285.5	289.9	289.9	292.3	287.3	271.1	245.9	218.3	189.2
32.5°	289.5	288.4	291.9	296.2	297.3	297.3	286.2	263.8	233.4	199.9	170.6
35°	283.1	285.7	295.8	297.8	297.8	293.0	279.4	251.1	214.8	177.8	156.8
37.5°	282.5	286.6	297.8	295.4	291.4	282.5	262.7	229.0	188.3	165.3	146.5
40°	286.8	290.8	297.3	288.6	279.2	265.2	241.5	200.1	172.3	155.0	134.0
42.5°	284.2	287.9	288.1	275.2	261.9	242.8	211.5	176.7	160.7	141.9	119.8
45°	264.5	264.9	264.1	250.3	236.5	216.8	183.5	165.1	148.0	126.3	88.0
47.5°	199.9	199.0	202.3	198.4	199.0	187.2	166.6	151.5	131.2	88.7	26.7
50°	176.0	174.9	171.7	168.2	164.7	159.0	149.3	133.1	94.6	27.8	0.9
52.5°	94.4	99.6	109.9	125.7	131.6	131.2	123.9	98.5	29.8	0.2	0.0
55°	30.7	30.2	33.7	39.8	54.7	63.1	65.7	33.5	0.7	0.0	0.0
57.5°	0.0	0.0	0.0	0.7	2.2	5.7	7.4	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°	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1
2.5°	143.2	140.1	136.6	124.1	109.5	95.2	85.0	82.3
5°	159.6	154.4	146.9	122.4	90.4	63.1	45.1	40.5
7.5°	168.2	163.6	155.7	118.9	70.1	31.1	11.6	7.9
10°	173.4	167.9	159.2	112.3	45.8	7.4	4.2	4.4
12.5°	177.1	170.8	160.9	102.9	23.2	3.7	5.3	5.5
15°	178.7	171.9	160.7	91.3	8.3	4.8	4.6	3.9
17.5°	177.8	169.3	157.9	74.7	2.8	4.6	2.4	2.0
20°	176.7	167.1	153.3	59.6	2.4	2.6	0.9	0.4
22.5°	180.2	163.3	146.9	42.7	2.4	0.9	0.0	0.0
25°	180.6	161.8	138.8	28.2	1.1	0.2	0.0	0.0
27.5°	176.3	152.8	126.3	16.6	0.0	0.0	0.0	0.0
30°	162.2	141.7	113.0	7.4	0.0	0.0	0.0	0.0
32.5°	148.5	129.2	98.1	1.8	0.0	0.0	0.0	0.0
35°	137.5	116.3	81.7	0.0	0.0	0.0	0.0	0.0
37.5°	123.9	100.9	60.9	0.0	0.0	0.0	0.0	0.0
40°	109.7	81.5	30.4	0.0	0.0	0.0	0.0	0.0
42.5°	85.6	38.8	3.1	0.0	0.0	0.0	0.0	0.0
45°	32.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.8	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)