

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: P1309816

Luminaire Tested: P3SQAS02R609040DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309816
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: P3SQAS02R609040DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

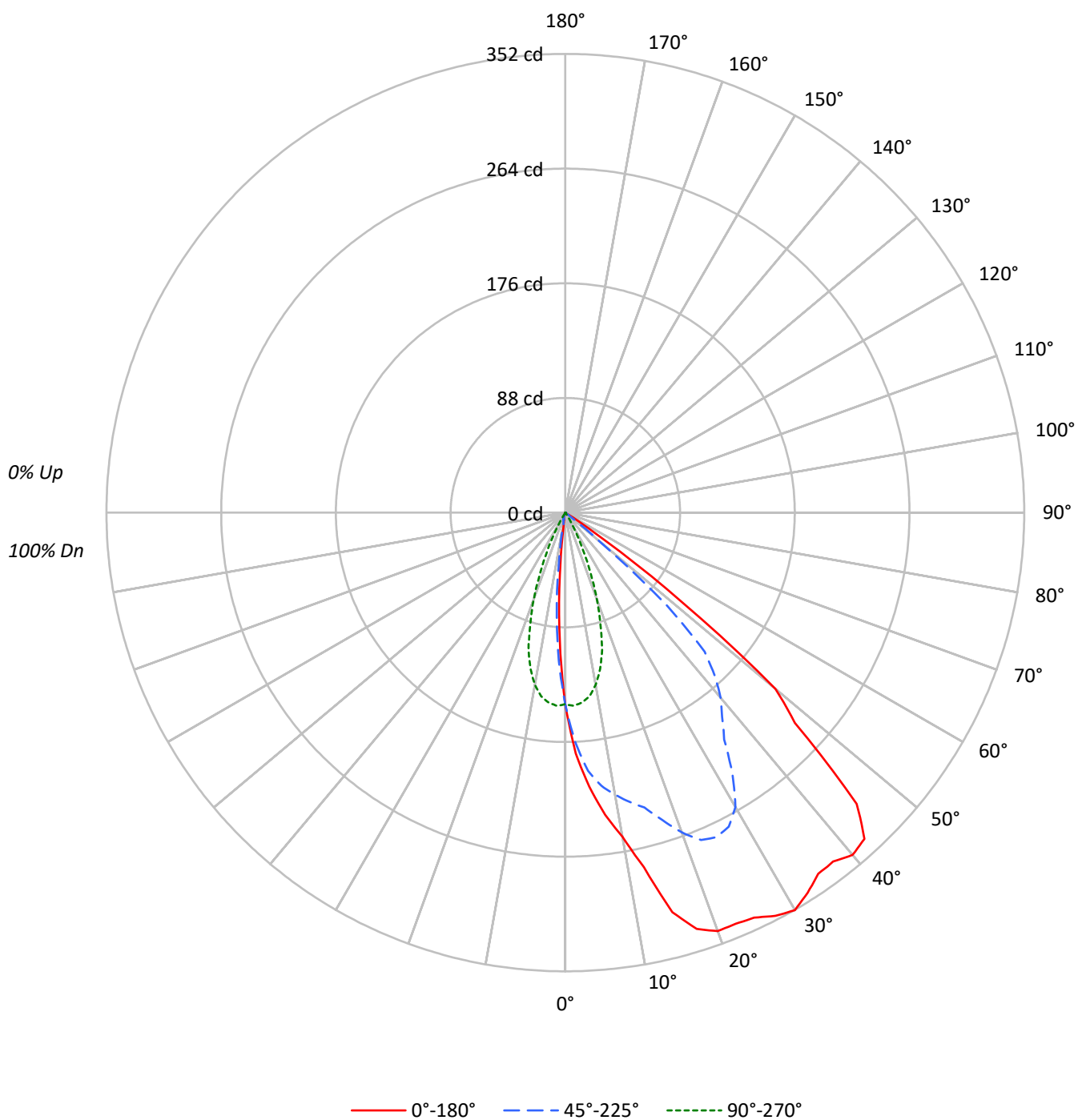
Lumens per Lamp: N/A
Luminaire Lumens: 239.1 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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°	25317	25317	25317	25317	25317
5°	36512	34386	25292	13035	8367
10°	44157	38439	23469	1556	909
15°	56592	41757	19452	1034	838
20°	62625	47853	13049	568	92
25°	65141	52200	6423	57	0
30°	70040	51884	1770	0	0
35°	71126	44677	0	0	0
40°	77069	41637	0	0	0
45°	76989	36777	0	0	0
50°	56373	8895	0	0	0
55°	10990	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: 77111 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.6	5.3
10°-20°	36.0	15.0
20°-30°	57.3	24.0
30°-40°	66.2	27.7
40°-50°	52.6	22.0
50°-60°	13.8	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°	105.9	44.3
0°-40°	172.1	72.0
0°-60°	238.6	99.8
0°-90°	239.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	239.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	147	147	147	147	147	
5°	211	199	146	75	48	21
15°	317	234	109	6	5	88
25°	343	275	34	0	0	160
35°	338	212	0	0	0	215
45°	316	151	0	0	0	225
55°	37	0	0	0	0	55
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°	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0
2.5°	185.0	186.8	186.0	185.2	183.4	182.6	182.6	180.5	177.1	176.6	174.3
5°	211.2	211.7	211.7	211.2	209.8	207.8	207.2	205.1	202.0	198.9	195.7
7.5°	233.9	233.7	232.1	231.0	228.7	225.8	223.2	220.3	215.6	211.4	207.0
10°	252.5	253.3	252.0	249.4	246.2	242.3	238.1	233.1	226.1	219.8	214.0
12.5°	278.7	278.4	275.0	270.5	263.0	255.6	249.1	243.6	235.0	227.4	220.3
15°	317.4	316.9	313.7	309.8	298.8	287.8	276.6	261.1	246.7	234.2	224.2
17.5°	334.9	336.0	333.3	331.3	325.0	317.6	307.7	292.3	270.0	247.3	226.3
20°	341.7	343.0	341.2	340.9	338.1	334.7	326.5	309.8	288.1	261.1	235.2
22.5°	341.5	342.5	341.7	345.1	348.5	346.7	336.7	320.0	297.8	271.9	242.6
25°	342.8	342.0	339.1	344.1	349.0	347.5	342.5	328.1	303.8	274.7	245.2
27.5°	348.8	343.0	337.3	343.5	345.9	346.4	343.5	326.5	302.7	271.6	239.9
30°	352.2	345.9	341.2	346.4	346.4	349.3	343.3	323.9	293.8	260.9	226.1
32.5°	345.9	344.6	348.8	354.0	355.3	355.3	342.0	315.3	278.9	238.9	203.8
35°	338.3	341.5	353.5	355.8	355.8	350.1	333.9	300.1	256.7	212.5	187.3
37.5°	337.5	342.5	355.8	353.0	348.3	337.5	314.0	273.7	225.0	197.5	175.0
40°	342.8	347.5	355.3	344.9	333.6	316.9	288.6	239.1	205.9	185.2	160.1
42.5°	339.6	344.1	344.3	328.9	312.9	290.2	252.8	211.2	192.1	169.6	143.1
45°	316.1	316.6	315.6	299.1	282.6	259.0	219.3	197.3	176.9	151.0	105.2
47.5°	238.9	237.8	241.8	237.1	237.8	223.7	199.1	181.1	156.7	106.0	31.9
50°	210.4	209.1	205.1	200.9	196.8	190.0	178.4	159.1	113.0	33.2	1.0
52.5°	112.8	119.1	131.3	150.2	157.3	156.7	148.1	117.7	35.6	0.3	0.0
55°	36.6	36.1	40.3	47.6	65.4	75.4	78.5	40.0	0.8	0.0	0.0
57.5°	0.0	0.0	0.0	0.8	2.6	6.8	8.9	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°	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0
2.5°	171.1	167.5	163.3	148.4	130.8	113.8	101.5	98.4
5°	190.7	184.5	175.6	146.3	108.1	75.4	53.9	48.4
7.5°	200.9	195.5	186.0	142.1	83.7	37.2	13.9	9.4
10°	207.2	200.7	190.2	134.2	54.7	8.9	5.0	5.2
12.5°	211.7	204.1	192.3	123.0	27.7	4.4	6.3	6.5
15°	213.5	205.4	192.1	109.1	9.9	5.8	5.5	4.7
17.5°	212.5	202.3	188.7	89.2	3.4	5.5	2.9	2.4
20°	211.2	199.6	183.2	71.2	2.9	3.1	1.0	0.5
22.5°	215.3	195.2	175.6	51.0	2.9	1.0	0.0	0.0
25°	215.9	193.4	165.9	33.8	1.3	0.3	0.0	0.0
27.5°	210.6	182.6	151.0	19.9	0.0	0.0	0.0	0.0
30°	193.9	169.3	135.0	8.9	0.0	0.0	0.0	0.0
32.5°	177.4	154.4	117.2	2.1	0.0	0.0	0.0	0.0
35°	164.3	138.9	97.6	0.0	0.0	0.0	0.0	0.0
37.5°	148.1	120.6	72.7	0.0	0.0	0.0	0.0	0.0
40°	131.1	97.3	36.4	0.0	0.0	0.0	0.0	0.0
42.5°	102.3	46.3	3.7	0.0	0.0	0.0	0.0	0.0
45°	39.2	4.2	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)