

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: P1316718

Luminaire Tested: P3SQAS02R459830DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316718
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R459830DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

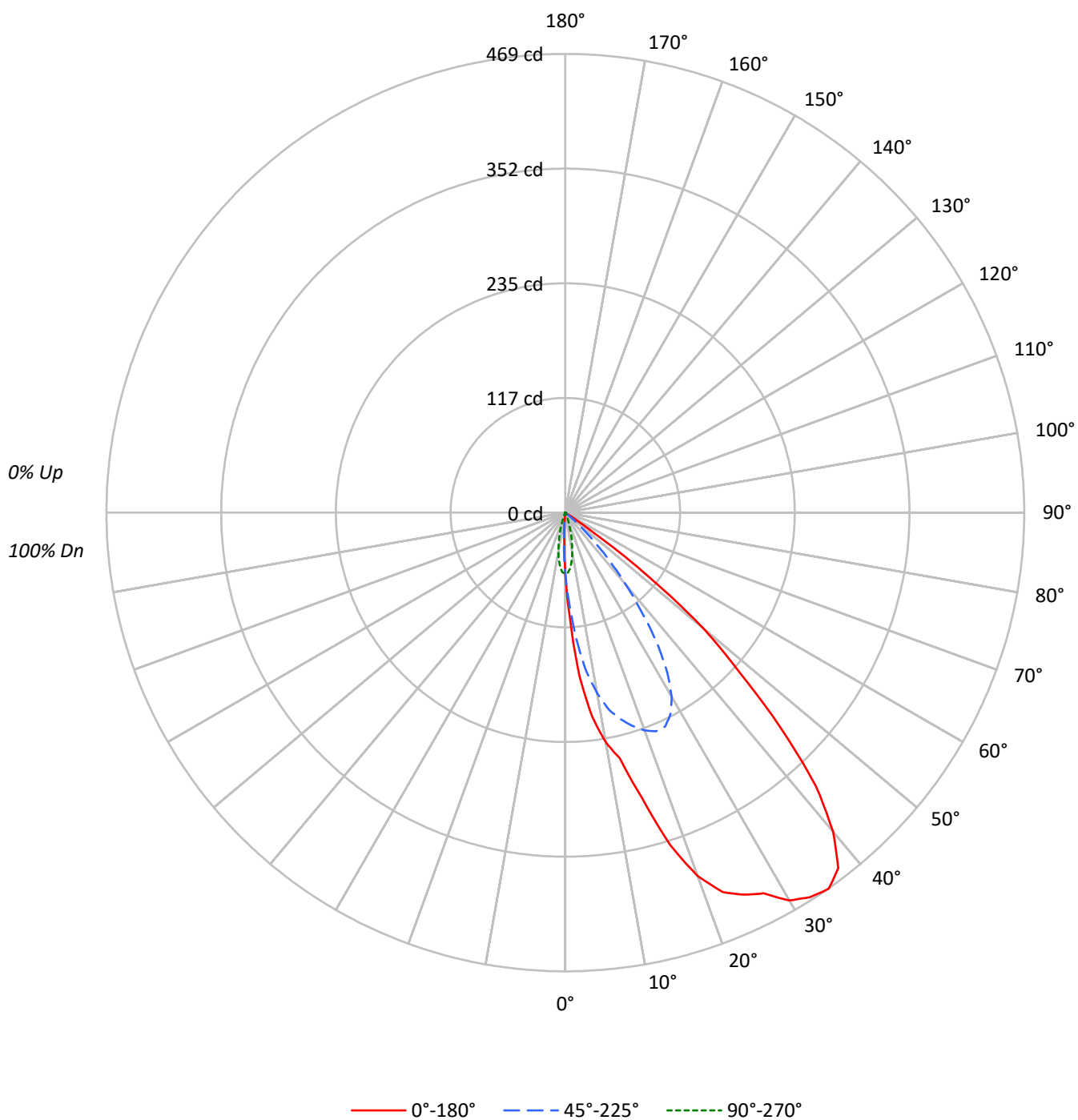
Lumens per Lamp: N/A
Luminaire Lumens: 199.0 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					0
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	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10643	10643	10643	10643	10643
5°	29061	22353	9854	1971	743
10°	41726	32807	7118	192	157
15°	53721	39012	3798	71	0
20°	72412	43418	1448	0	0
25°	81901	45853	380	0	0
30°	91041	43233	40	0	0
35°	98689	34480	0	0	0
40°	95661	21650	0	0	0
45°	75820	10303	0	0	0
50°	49621	1286	0	0	0
55°	8527	0	0	0	0
60°	0	0	69	0	0
65°	0	82	82	0	0
70°	0	101	201	0	0
75°	0	133	266	0	0
80°	0	198	397	198	0
85°	0	395	790	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 75820 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	3.7
10°-20°	28.4	14.2
20°-30°	53.1	26.7
30°-40°	61.9	31.1
40°-50°	40.4	20.3
50°-60°	7.5	3.8
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°	88.8	44.6
0°-40°	150.7	75.7
0°-60°	198.6	99.8
0°-90°	199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	199.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	62	62	62	62	62	
5°	168	129	57	11	4	18
15°	301	219	21	0	0	90
25°	431	241	2	0	0	199
35°	469	164	0	0	0	288
45°	311	42	0	0	0	237
55°	28	0	0	0	0	49
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°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2.5°	109.0	109.9	108.1	107.4	105.0	105.6	101.6	100.0	97.5	93.4	91.5
5°	168.1	166.5	165.0	162.0	160.2	155.4	150.0	144.0	136.6	129.3	120.9
7.5°	210.2	209.0	208.5	206.0	202.4	197.4	190.4	182.7	173.3	163.4	150.8
10°	238.6	237.4	235.2	232.7	229.9	225.8	219.0	210.6	200.2	187.6	172.7
12.5°	257.2	257.0	253.5	250.6	247.0	243.5	236.5	229.7	219.5	206.5	189.7
15°	301.3	298.5	293.8	285.8	275.8	266.5	255.3	244.5	233.5	218.8	200.1
17.5°	356.4	353.1	345.3	335.1	319.0	301.3	282.0	265.1	248.5	228.6	206.5
20°	395.1	393.9	387.3	375.5	358.3	334.9	309.6	285.6	262.2	236.9	209.5
22.5°	419.9	419.2	416.6	408.5	391.0	364.8	332.1	299.9	271.7	242.0	208.6
25°	431.0	431.9	432.3	428.3	414.2	387.4	348.7	310.8	277.0	241.3	201.8
27.5°	438.9	438.9	440.3	438.5	424.2	396.0	355.1	314.6	275.3	232.6	187.6
30°	457.8	457.5	458.4	453.5	433.7	398.7	352.2	308.5	265.1	217.4	167.0
32.5°	466.0	466.4	466.2	458.5	435.5	396.9	345.3	296.9	246.3	193.6	139.9
35°	469.4	467.8	461.2	443.7	414.6	373.1	325.6	277.2	220.1	164.0	110.4
37.5°	458.2	453.5	438.9	414.9	379.4	339.6	293.1	242.0	185.2	128.6	83.1
40°	425.5	419.4	401.0	372.1	339.6	303.7	254.7	200.8	144.9	96.3	58.2
42.5°	379.2	372.3	352.4	327.2	297.6	259.9	211.1	157.2	106.1	66.4	37.0
45°	311.3	307.4	296.0	274.7	245.6	206.5	161.8	114.7	73.4	42.3	18.9
47.5°	240.8	235.8	227.6	212.9	188.6	151.5	113.2	77.9	47.2	20.9	3.9
50°	185.2	179.3	169.3	153.1	127.7	101.1	73.4	48.6	23.9	4.8	0.2
52.5°	106.6	107.9	103.1	92.7	78.6	60.6	42.5	24.5	5.4	0.2	0.0
55°	28.4	30.7	30.0	32.3	28.4	23.9	17.7	4.6	0.4	0.0	0.0
57.5°	0.0	0.0	0.2	0.4	1.1	1.6	0.5	0.2	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	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°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2.5°	87.0	83.2	78.6	61.4	46.3	33.2	25.9	23.9
5°	112.9	103.8	92.0	57.0	28.6	11.4	5.2	4.3
7.5°	137.4	124.0	102.7	49.8	14.5	2.9	1.4	1.3
10°	156.3	138.3	110.6	40.7	5.4	1.1	0.9	0.9
12.5°	169.3	147.4	113.4	30.9	2.0	0.5	0.5	0.4
15°	176.8	150.9	110.7	21.3	0.7	0.4	0.0	0.0
17.5°	179.2	149.5	103.6	13.4	0.2	0.0	0.0	0.0
20°	177.2	142.5	92.3	7.9	0.0	0.0	0.0	0.0
22.5°	170.8	131.6	78.8	4.3	0.0	0.0	0.0	0.0
25°	158.8	116.3	62.9	2.0	0.0	0.0	0.0	0.0
27.5°	139.3	96.5	47.3	0.7	0.0	0.0	0.0	0.0
30°	117.2	75.2	33.6	0.2	0.0	0.0	0.0	0.0
32.5°	91.5	55.4	21.6	0.0	0.0	0.0	0.0	0.0
35°	68.8	38.8	12.9	0.0	0.0	0.0	0.0	0.0
37.5°	47.9	24.5	6.8	0.0	0.0	0.0	0.0	0.0
40°	29.8	13.2	2.3	0.0	0.0	0.0	0.0	0.0
42.5°	16.6	4.6	0.2	0.0	0.0	0.0	0.0	0.0
45°	3.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.2	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	0.2	0.0	0.0	0.0	0.0
60°	0.0	0.2	0.2	0.2	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	0.2	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	0.4	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.4	0.4	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.4	0.4	0.2	0.0	0.0	0.0
77.5°	0.2	0.4	0.4	0.4	0.2	0.2	0.0	0.0
80°	0.2	0.4	0.4	0.4	0.4	0.2	0.0	0.0
82.5°	0.2	0.4	0.4	0.4	0.4	0.2	0.0	0.0
85°	0.2	0.4	0.4	0.4	0.2	0.2	0.0	0.0
87.5°	0.2	0.4	0.4	0.4	0.4	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)