

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: P1308711

Luminaire Tested: P3SQAS02R709035DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709035DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

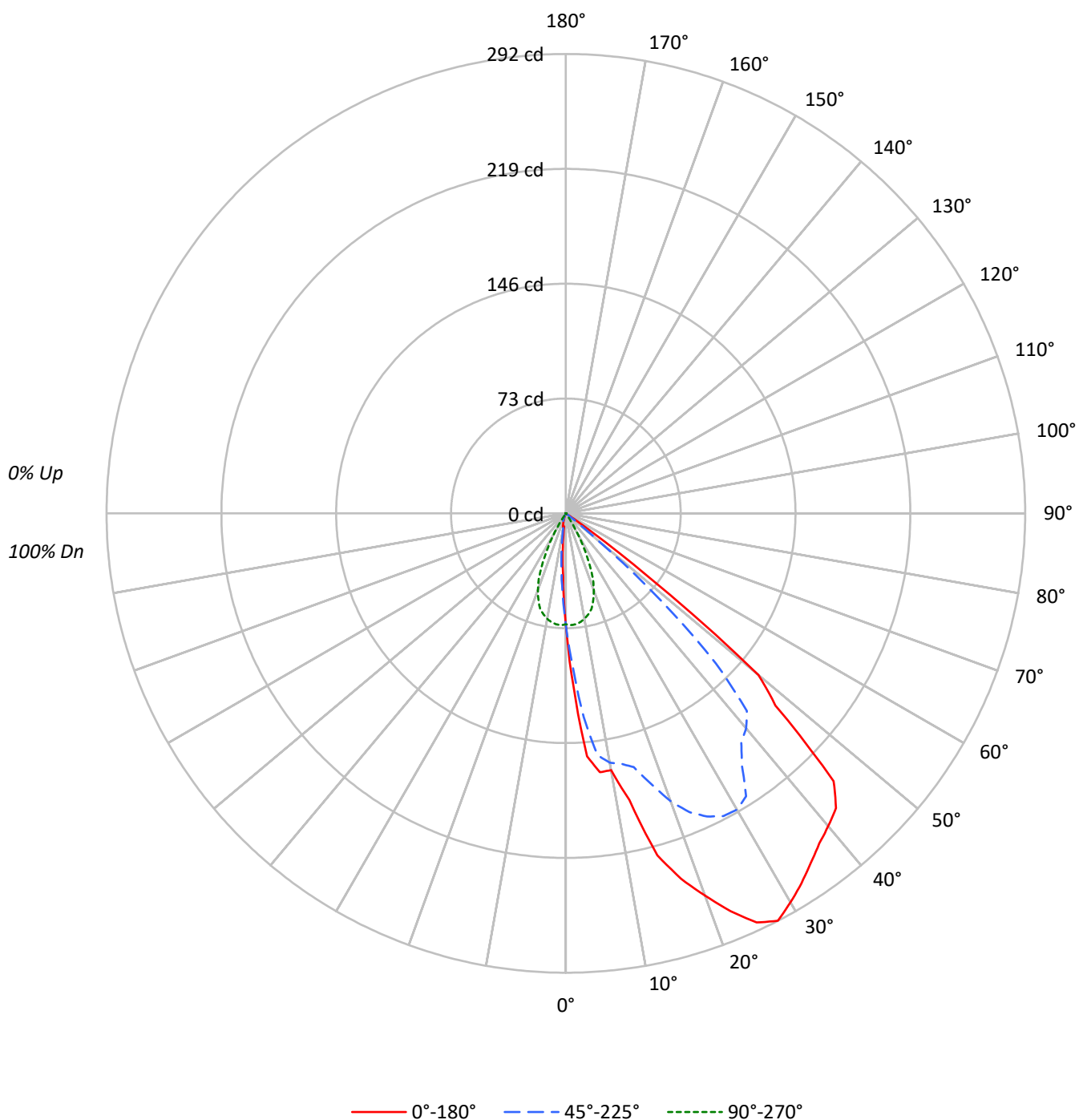
Lumens per Lamp: N/A
Luminaire Lumens: 190.0 lumens
Efficiency: N/A
Efficacy: 52.8 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	90	87	91	88	85	88	86	84	82		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48		
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12142	12142	12142	12142	12142
5°	26796	22474	12240	5567	3665
10°	28978	28138	11909	1539	1591
15°	40117	29776	11233	1569	1141
20°	47377	35684	9530	935	348
25°	54519	40400	6727	152	0
30°	56776	43233	3102	0	0
35°	57039	40977	168	0	0
40°	58341	40086	0	0	0
45°	58649	32856	0	0	0
50°	42815	6832	0	0	0
55°	2402	0	0	0	0
60°	0	103	103	0	0
65°	0	0	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: 59745 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	4.1
10°-20°	25.8	13.6
20°-30°	46.3	24.4
30°-40°	56.3	29.6
40°-50°	43.5	22.9
50°-60°	10.1	5.3
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°	79.8	42.0
0°-40°	136.1	71.6
0°-60°	189.7	99.8
0°-90°	190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	190.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	70	70	70	70	70	
5°	155	130	71	32	21	15
15°	225	167	63	9	6	63
25°	287	213	35	1	0	131
35°	271	195	1	0	0	170
45°	241	135	0	0	0	170
55°	8	0	0	0	0	33
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°	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
2.5°	109.9	109.9	110.5	110.2	107.8	106.7	103.2	101.3	100.8	96.5	94.9
5°	155.0	155.2	153.9	153.6	151.0	149.1	146.1	141.6	137.0	130.0	123.9
7.5°	166.0	165.7	165.4	165.4	164.9	163.8	162.5	161.1	159.3	155.0	150.1
10°	165.7	165.7	165.4	165.4	165.2	165.4	165.2	164.4	163.6	160.9	158.2
12.5°	186.6	185.0	182.9	179.6	174.3	170.3	165.7	164.4	163.8	163.0	161.4
15°	225.0	223.6	219.1	213.4	208.1	198.9	191.7	181.8	174.0	167.0	163.6
17.5°	243.5	244.3	239.2	235.7	230.6	223.3	214.8	204.6	193.6	180.4	170.0
20°	258.5	259.3	255.0	251.5	245.6	238.1	230.6	219.6	209.1	194.7	181.0
22.5°	273.8	274.3	270.3	265.2	258.5	250.7	241.0	229.8	218.5	205.6	191.2
25°	286.9	286.4	279.6	272.4	266.0	257.7	248.3	237.3	226.6	212.6	198.9
27.5°	292.0	291.7	284.2	277.2	269.7	258.5	250.2	240.5	229.2	216.9	203.0
30°	285.5	289.8	285.0	279.9	270.8	259.5	251.5	240.0	229.5	217.4	201.6
32.5°	278.8	284.2	282.6	280.2	269.5	260.6	250.2	239.4	227.1	213.2	189.0
35°	271.3	277.0	277.2	274.6	264.9	256.1	246.4	235.1	221.2	194.9	177.2
37.5°	264.6	270.0	271.6	266.0	258.5	246.7	237.8	226.0	200.8	183.1	174.0
40°	259.5	263.6	266.0	257.1	249.6	238.1	227.9	207.3	184.5	178.3	165.4
42.5°	254.2	257.9	259.0	249.4	237.8	226.8	212.1	186.1	179.4	170.3	135.7
45°	240.8	245.3	242.6	233.3	224.7	213.2	191.2	179.9	172.7	134.9	83.4
47.5°	180.7	185.8	193.0	195.7	198.7	190.4	178.3	174.3	141.8	81.8	26.0
50°	159.8	159.0	159.0	160.3	162.7	165.4	168.9	146.9	85.3	25.5	0.0
52.5°	65.2	68.4	84.2	98.4	114.8	131.1	136.2	90.1	33.2	0.5	0.0
55°	8.0	8.0	11.3	19.3	31.9	51.5	57.9	29.0	2.4	0.0	0.0
57.5°	0.0	0.0	0.0	0.3	2.1	5.9	4.0	1.1	0.3	0.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
2.5°	92.2	89.0	84.5	71.1	59.5	49.3	43.4	40.5
5°	118.0	110.2	99.7	70.8	48.3	32.2	24.1	21.2
7.5°	142.6	133.8	116.1	69.7	37.0	18.8	10.5	8.3
10°	153.4	146.9	131.1	68.1	26.8	8.8	8.8	9.1
12.5°	157.7	152.8	140.0	65.7	17.7	8.6	9.1	8.6
15°	160.6	156.0	144.2	63.0	10.2	8.8	7.2	6.4
17.5°	162.2	156.9	145.6	57.9	6.7	7.5	4.6	3.8
20°	167.3	158.7	146.7	52.0	6.4	5.1	2.4	1.9
22.5°	175.9	162.5	146.9	44.8	5.1	2.9	0.8	0.0
25°	183.7	167.6	147.7	35.4	1.6	0.8	0.0	0.0
27.5°	187.4	169.2	147.5	24.9	0.0	0.0	0.0	0.0
30°	182.9	165.2	145.1	15.6	0.0	0.0	0.0	0.0
32.5°	172.1	162.2	137.5	6.7	0.0	0.0	0.0	0.0
35°	168.6	155.8	120.4	0.8	0.0	0.0	0.0	0.0
37.5°	160.9	137.3	88.5	0.0	0.0	0.0	0.0	0.0
40°	138.4	99.2	42.1	0.0	0.0	0.0	0.0	0.0
42.5°	91.4	42.4	2.4	0.0	0.0	0.0	0.0	0.0
45°	32.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.5	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	0.3	0.3	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
65°	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0
67.5°	0.3	0.3	0.3	0.3	0.0	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	0.3	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	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)