

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: P1315842

Luminaire Tested: P3SQAS02R459827DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315842
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: P3SQAS02R459827DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

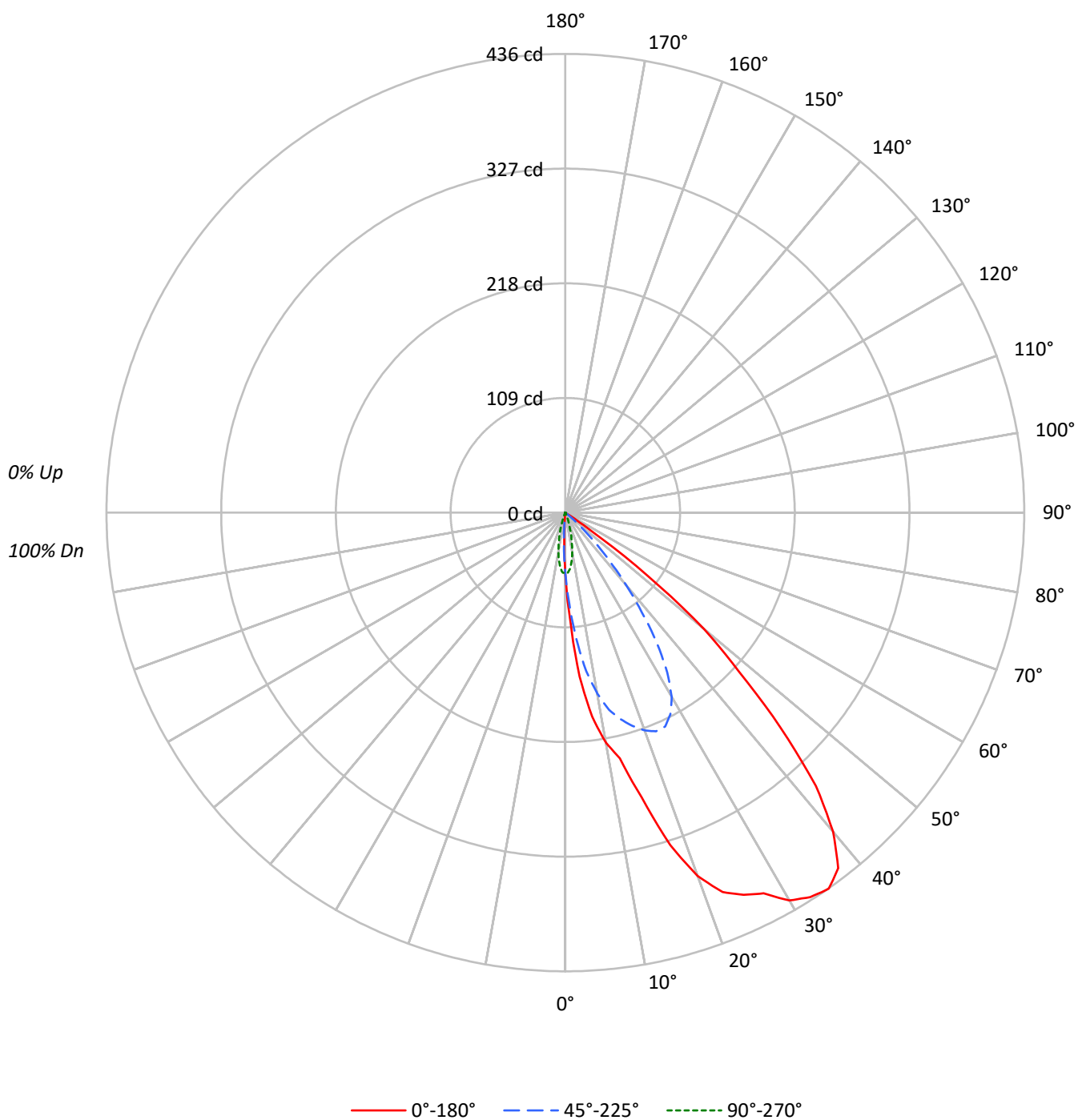
Lumens per Lamp: N/A
Luminaire Lumens: 185.0 lumens
Efficiency: N/A
Efficacy: 51.4 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					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	98	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°	9903	9903	9903	9903	9903
5°	27021	20780	9163	1833	692
10°	38806	30499	6628	175	140
15°	49941	36266	3530	53	0
20°	67317	40357	1338	0	0
25°	76144	42623	342	0	0
30°	84637	40191	40	0	0
35°	91751	32041	0	0	0
40°	88939	20121	0	0	0
45°	70486	9596	0	0	0
50°	46138	1206	0	0	0
55°	7927	0	0	0	0
60°	0	0	69	0	0
65°	0	82	82	0	0
70°	0	101	151	0	0
75°	0	133	200	0	0
80°	0	198	298	198	0
85°	0	395	593	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 70486 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	3.7
10°-20°	26.4	14.2
20°-30°	49.3	26.7
30°-40°	57.6	31.1
40°-50°	37.6	20.3
50°-60°	7.0	3.8
60°-70°	0.1	0.0
70°-80°	0.1	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°	82.5	44.6
0°-40°	140.1	75.7
0°-60°	184.7	99.8
0°-90°	185.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	185.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	58	58	58	58	58	
5°	156	120	53	11	4	17
15°	280	203	20	0	0	83
25°	401	224	2	0	0	185
35°	436	152	0	0	0	268
45°	289	39	0	0	0	220
55°	26	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°	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
2.5°	101.3	102.1	100.5	99.8	97.6	98.1	94.5	93.0	90.7	86.8	85.0
5°	156.3	154.8	153.4	150.6	149.0	144.5	139.5	133.8	127.0	120.2	112.4
7.5°	195.5	194.3	193.8	191.5	188.1	183.5	177.0	169.9	161.1	151.9	140.2
10°	221.9	220.7	218.7	216.4	213.7	209.9	203.6	195.8	186.2	174.4	160.6
12.5°	239.1	239.0	235.6	233.0	229.7	226.3	219.9	213.6	204.1	192.0	176.4
15°	280.1	277.5	273.2	265.7	256.4	247.8	237.3	227.3	217.0	203.4	186.0
17.5°	331.3	328.3	321.0	311.5	296.6	280.1	262.2	246.4	231.0	212.6	192.0
20°	367.3	366.2	360.0	349.1	333.1	311.4	287.8	265.5	243.8	220.2	194.8
22.5°	390.4	389.7	387.2	379.8	363.5	339.1	308.7	278.8	252.6	225.0	194.0
25°	400.7	401.5	401.9	398.2	385.1	360.2	324.1	288.9	257.6	224.3	187.6
27.5°	408.0	408.0	409.3	407.7	394.4	368.2	330.1	292.4	255.9	216.2	174.4
30°	425.6	425.3	426.1	421.6	403.2	370.6	327.5	286.8	246.4	202.1	155.3
32.5°	433.2	433.6	433.4	426.3	404.8	369.0	321.0	276.0	229.0	180.0	130.0
35°	436.4	434.9	428.8	412.5	385.4	346.9	302.7	257.7	204.6	152.4	102.6
37.5°	425.9	421.6	408.0	385.8	352.7	315.7	272.5	225.0	172.2	119.6	77.2
40°	395.6	389.9	372.8	345.9	315.7	282.3	236.8	186.6	134.7	89.5	54.1
42.5°	352.5	346.1	327.6	304.2	276.7	241.6	196.3	146.1	98.6	61.8	34.4
45°	289.4	285.8	275.2	255.4	228.3	192.0	150.4	106.6	68.2	39.4	17.6
47.5°	223.8	219.2	211.6	197.9	175.4	140.8	105.3	72.4	43.8	19.4	3.7
50°	172.2	166.7	157.4	142.3	118.7	94.0	68.2	45.2	22.3	4.5	0.2
52.5°	99.1	100.3	95.8	86.2	73.1	56.3	39.5	22.7	5.0	0.2	0.0
55°	26.4	28.6	27.9	30.1	26.4	22.3	16.4	4.3	0.3	0.0	0.0
57.5°	0.0	0.0	0.2	0.3	1.0	1.5	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°	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
2.5°	80.9	77.4	73.1	57.1	43.0	30.9	24.1	22.3
5°	104.9	96.5	85.5	53.0	26.6	10.6	4.8	4.0
7.5°	127.7	115.2	95.5	46.3	13.5	2.7	1.3	1.2
10°	145.3	128.5	102.8	37.9	5.0	1.0	0.8	0.8
12.5°	157.4	137.0	105.4	28.7	1.8	0.5	0.5	0.3
15°	164.4	140.3	103.0	19.8	0.7	0.3	0.0	0.0
17.5°	166.6	139.0	96.3	12.5	0.2	0.0	0.0	0.0
20°	164.7	132.5	85.9	7.3	0.0	0.0	0.0	0.0
22.5°	158.8	122.4	73.2	4.0	0.0	0.0	0.0	0.0
25°	147.6	108.1	58.5	1.8	0.0	0.0	0.0	0.0
27.5°	129.5	89.7	44.0	0.7	0.0	0.0	0.0	0.0
30°	108.9	69.9	31.2	0.2	0.0	0.0	0.0	0.0
32.5°	85.0	51.5	20.1	0.0	0.0	0.0	0.0	0.0
35°	63.9	36.0	12.0	0.0	0.0	0.0	0.0	0.0
37.5°	44.5	22.7	6.3	0.0	0.0	0.0	0.0	0.0
40°	27.7	12.3	2.2	0.0	0.0	0.0	0.0	0.0
42.5°	15.4	4.3	0.2	0.0	0.0	0.0	0.0	0.0
45°	3.7	0.3	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	0.3	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.3	0.3	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.3	0.3	0.2	0.0	0.0	0.0
77.5°	0.2	0.3	0.3	0.3	0.2	0.2	0.0	0.0
80°	0.2	0.3	0.3	0.3	0.3	0.2	0.0	0.0
82.5°	0.2	0.3	0.3	0.3	0.3	0.2	0.0	0.0
85°	0.2	0.3	0.3	0.3	0.2	0.2	0.0	0.0
87.5°	0.2	0.3	0.3	0.3	0.3	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)