

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: P1317621

Luminaire Tested: P3SQAS02R609835DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317621
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: P3SQAS02R609835DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

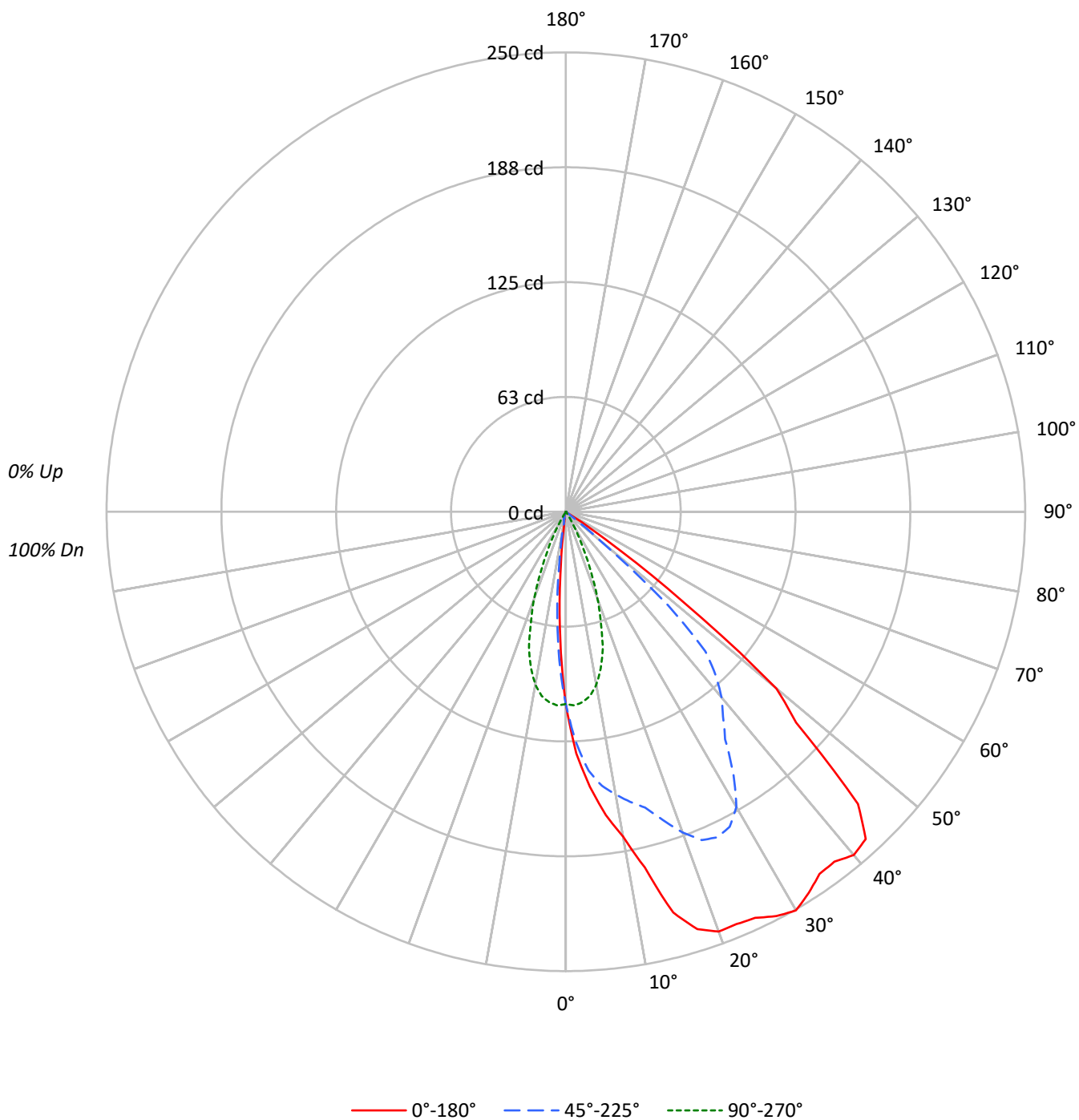
Lumens per Lamp: N/A
Luminaire Lumens: 170.0 lumens
Efficiency: N/A
Efficacy: 47.2 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	18014	18014	18014	18014	18014
5°	25967	24445	17980	9266	5947
10°	31408	27334	16701	1102	647
15°	40260	29704	13836	731	606
20°	44554	34034	9274	403	73
25°	46328	37131	4561	38	0
30°	49816	36909	1253	0	0
35°	50585	31768	0	0	0
40°	54811	29631	0	0	0
45°	54752	26158	0	0	0
50°	40082	6323	0	0	0
55°	7837	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: 54850 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	5.3
10°-20°	25.6	15.0
20°-30°	40.8	24.0
30°-40°	47.1	27.7
40°-50°	37.4	22.0
50°-60°	9.8	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°	75.3	44.3
0°-40°	122.4	72.0
0°-60°	169.7	99.8
0°-90°	170.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	170.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	105	105	105	105	105	
5°	150	141	104	54	34	15
15°	226	167	78	4	3	63
25°	244	195	24	0	0	114
35°	241	151	0	0	0	153
45°	225	107	0	0	0	160
55°	26	0	0	0	0	39
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°	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6
2.5°	131.6	132.9	132.3	131.8	130.5	129.9	129.9	128.4	126.0	125.6	124.0
5°	150.2	150.6	150.6	150.2	149.3	147.8	147.4	145.9	143.7	141.4	139.2
7.5°	166.4	166.2	165.1	164.3	162.7	160.6	158.8	156.7	153.4	150.4	147.2
10°	179.6	180.2	179.2	177.4	175.1	172.3	169.4	165.8	160.8	156.3	152.2
12.5°	198.2	198.0	195.6	192.4	187.0	181.8	177.2	173.3	167.1	161.7	156.7
15°	225.8	225.4	223.1	220.4	212.5	204.7	196.7	185.7	175.5	166.6	159.5
17.5°	238.2	239.0	237.1	235.6	231.2	225.9	218.9	207.9	192.1	175.9	161.0
20°	243.1	244.0	242.7	242.5	240.5	238.0	232.3	220.4	204.9	185.7	167.3
22.5°	242.9	243.6	243.1	245.5	247.9	246.6	239.5	227.6	211.8	193.4	172.5
25°	243.8	243.2	241.2	244.7	248.3	247.2	243.6	233.4	216.1	195.4	174.4
27.5°	248.1	244.0	239.9	244.4	246.0	246.4	244.4	232.3	215.3	193.2	170.7
30°	250.5	246.0	242.7	246.4	246.4	248.5	244.2	230.4	209.0	185.6	160.8
32.5°	246.0	245.1	248.1	251.8	252.7	252.7	243.2	224.3	198.4	169.9	145.0
35°	240.6	242.9	251.4	253.1	253.1	249.0	237.5	213.5	182.6	151.1	133.3
37.5°	240.1	243.6	253.1	251.1	247.7	240.1	223.3	194.7	160.1	140.5	124.5
40°	243.8	247.2	252.7	245.3	237.3	225.4	205.3	170.1	146.5	131.8	113.9
42.5°	241.6	244.7	244.9	233.9	222.6	206.4	179.8	150.2	136.6	120.6	101.8
45°	224.8	225.2	224.5	212.7	201.0	184.3	156.0	140.3	125.8	107.4	74.8
47.5°	169.9	169.2	172.0	168.6	169.2	159.1	141.6	128.8	111.5	75.4	22.7
50°	149.6	148.7	145.9	142.9	140.0	135.1	126.9	113.2	80.4	23.6	0.7
52.5°	80.2	84.7	93.4	106.8	111.9	111.5	105.3	83.8	25.3	0.2	0.0
55°	26.1	25.7	28.7	33.9	46.5	53.6	55.8	28.5	0.6	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	1.9	4.8	6.3	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°	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6
2.5°	121.7	119.1	116.1	105.5	93.1	81.0	72.2	70.0
5°	135.7	131.2	124.9	104.0	76.9	53.6	38.3	34.4
7.5°	142.9	139.0	132.3	101.1	59.6	26.4	9.9	6.7
10°	147.4	142.7	135.3	95.5	38.9	6.3	3.5	3.7
12.5°	150.6	145.2	136.8	87.5	19.7	3.2	4.5	4.7
15°	151.9	146.1	136.6	77.6	7.1	4.1	3.9	3.4
17.5°	151.1	143.9	134.2	63.5	2.4	3.9	2.0	1.7
20°	150.2	142.0	130.3	50.6	2.0	2.2	0.7	0.4
22.5°	153.2	138.8	124.9	36.3	2.0	0.7	0.0	0.0
25°	153.5	137.5	118.0	24.0	0.9	0.2	0.0	0.0
27.5°	149.8	129.9	107.4	14.1	0.0	0.0	0.0	0.0
30°	137.9	120.4	96.0	6.3	0.0	0.0	0.0	0.0
32.5°	126.2	109.8	83.4	1.5	0.0	0.0	0.0	0.0
35°	116.9	98.8	69.4	0.0	0.0	0.0	0.0	0.0
37.5°	105.3	85.8	51.7	0.0	0.0	0.0	0.0	0.0
40°	93.2	69.2	25.9	0.0	0.0	0.0	0.0	0.0
42.5°	72.8	32.9	2.6	0.0	0.0	0.0	0.0	0.0
45°	27.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.5	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°	0.2	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)