

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: P1316692

Luminaire Tested: P3SQAS02R359830DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316692
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R359830DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

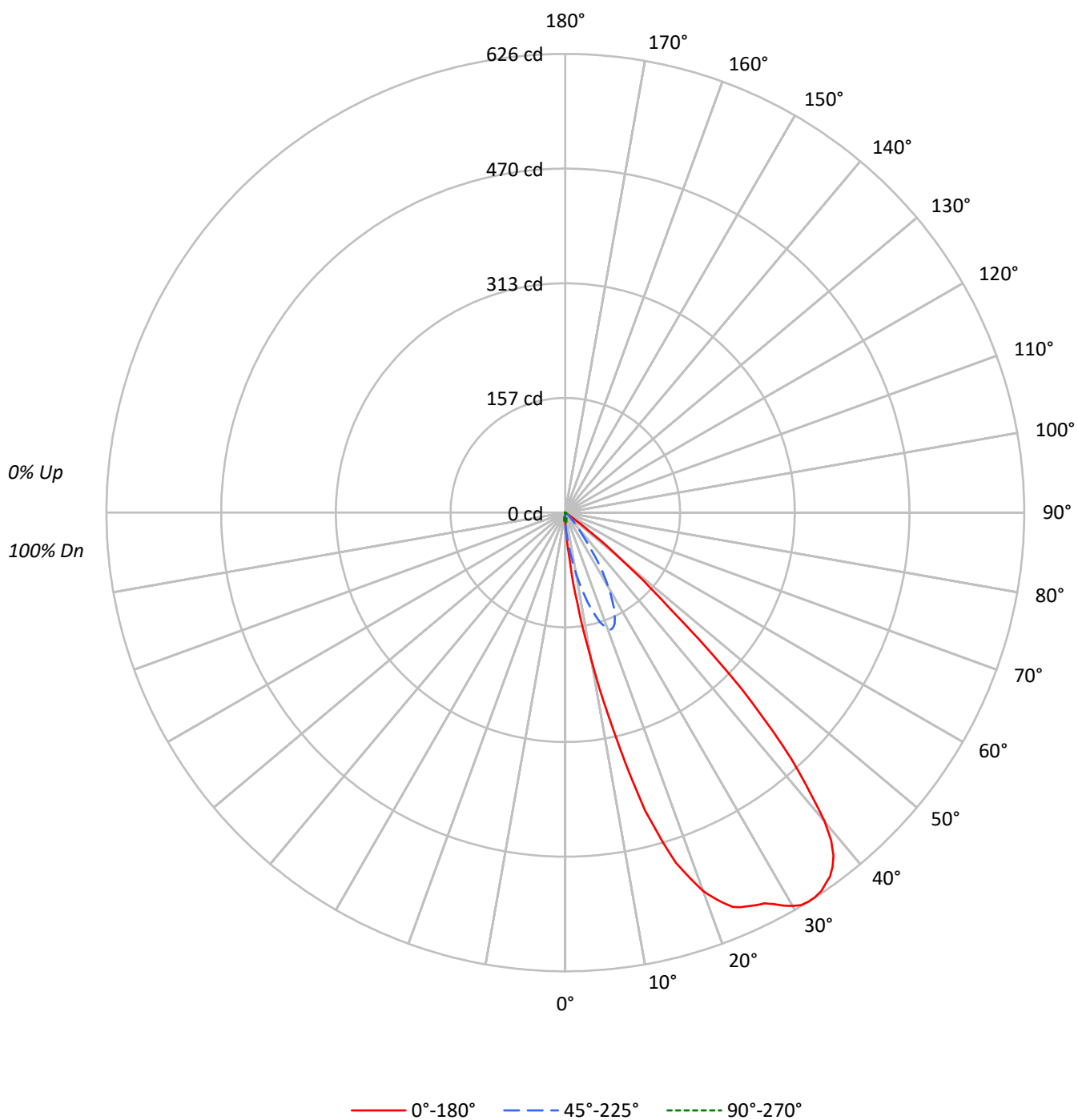
Lumens per Lamp: N/A
Luminaire Lumens: 187.0 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	43	65	54	47	43	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°	2428	2428	2428	2428	2428
5°	10546	6535	2247	795	553
10°	35501	14760	1679	192	70
15°	75135	24213	1052	0	0
20°	100728	30937	495	0	0
25°	112591	30366	95	0	0
30°	123257	23267	0	0	0
35°	130079	12678	0	0	0
40°	123651	5688	0	0	0
45°	82981	2509	0	0	0
50°	27731	241	0	0	0
55°	1501	0	0	0	0
60°	0	0	69	0	0
65°	0	0	163	0	0
70°	0	101	201	0	0
75°	0	133	266	0	0
80°	0	198	397	0	0
85°	0	395	790	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 82981 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	1.6
10°-20°	25.9	13.9
20°-30°	56.9	30.4
30°-40°	65.8	35.2
40°-50°	32.5	17.4
50°-60°	2.4	1.3
60°-70°	0.1	0.0
70°-80°	0.2	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°	85.9	45.9
0°-40°	151.7	81.1
0°-60°	186.7	99.8
0°-90°	187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	187.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	61	38	13	5	3	10
15°	421	136	6	0	0	119
25°	592	160	0	0	0	274
35°	619	60	0	0	0	382
45°	341	10	0	0	0	250
55°	5	0	0	0	0	20
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°	45°	67.5°	90°
0°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
2.5°	28.0	28.7	28.4	28.4	28.2	27.3	25.7	25.2	23.2	18.4	14.3
5°	61.0	61.2	60.7	58.0	55.7	53.5	48.9	46.7	37.8	22.5	13.0
7.5°	123.8	121.1	117.7	114.0	105.8	98.3	88.5	78.1	58.5	26.0	11.6
10°	203.0	199.3	196.4	187.5	172.7	157.3	138.6	121.7	84.4	28.5	9.6
12.5°	305.2	303.1	292.9	275.1	253.1	231.0	198.4	171.4	110.4	29.1	7.8
15°	421.4	417.8	402.3	377.0	347.2	312.4	268.7	223.4	135.8	27.5	5.9
17.5°	500.8	498.8	485.4	458.8	424.6	380.3	328.6	272.1	156.6	24.1	4.1
20°	549.6	546.8	534.3	511.8	476.0	429.8	368.4	303.1	168.8	19.8	2.7
21°	562.3	559.5	549.5	526.1	491.8	442.2	379.3	310.6	171.1	17.8	2.1
22°	574.3	571.4	560.9	540.2	506.3	454.6	387.8	316.3	170.7	16.2	1.6
23°	584.3	581.2	570.9	551.8	517.7	465.4	394.3	319.2	168.4	14.6	1.2
24°	589.4	587.6	578.4	560.3	527.0	473.1	398.7	320.2	165.6	13.0	0.9
25°	592.5	590.3	581.2	564.6	533.1	479.2	401.6	319.3	159.8	11.6	0.5
26°	595.7	592.5	582.1	566.1	536.3	482.0	401.8	317.0	153.8	10.3	0.2
27°	598.5	595.5	584.8	567.1	536.8	481.1	400.3	312.6	146.5	9.1	0.2
28°	604.8	601.4	589.1	569.4	537.3	478.8	395.9	306.5	136.8	8.0	0.0
29°	613.0	609.4	595.3	575.0	538.6	476.3	389.8	298.5	128.4	7.1	0.0
30°	619.8	616.5	603.5	581.9	541.8	474.0	382.7	287.6	117.0	6.1	0.0
31°	624.7	621.5	609.6	587.8	544.6	471.9	373.7	276.3	106.7	5.4	0.0
32°	626.0	623.3	612.1	590.3	544.6	468.7	365.5	263.7	96.5	4.5	0.0
33°	625.5	622.8	611.4	588.5	539.8	461.0	355.5	248.5	84.9	3.9	0.0
34°	623.5	620.3	608.2	582.8	530.4	448.0	341.1	233.3	72.8	3.2	0.0
35°	618.7	615.8	602.6	572.1	515.7	428.2	321.8	215.9	60.3	2.7	0.0
36°	614.0	609.8	593.5	558.9	496.5	407.8	298.8	195.7	49.6	2.1	0.0
37°	605.5	599.4	583.0	539.8	469.2	379.1	272.6	173.6	41.6	1.6	0.0
38°	594.1	585.9	565.0	517.7	441.7	352.2	248.0	153.6	35.0	1.1	0.0
39°	576.4	566.8	538.4	487.4	410.0	320.9	219.8	132.4	29.8	0.7	0.0
40°	550.0	540.9	509.5	451.3	378.4	286.5	190.9	108.5	25.3	0.4	0.0
42.5°	457.9	445.5	409.1	351.3	279.7	206.0	126.3	60.3	16.8	0.0	0.0
45°	340.7	329.7	294.0	241.4	186.4	126.1	67.6	35.5	10.3	0.0	0.0
47.5°	192.5	191.2	168.1	138.6	104.0	67.1	34.3	21.4	4.5	0.0	0.0
50°	103.5	97.0	83.7	63.5	43.4	29.3	18.6	11.8	0.9	0.0	0.0
52.5°	37.8	36.6	30.7	25.5	19.6	13.4	9.5	5.2	0.0	0.0	0.0
55°	5.0	4.6	4.8	5.2	5.4	4.6	3.0	1.1	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	0.4	0.4	0.4	0.0	0.0	0.0	0.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
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	0.0	0.2	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
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):

	112.5°	135°	157.5°	180°
0°	14.1	14.1	14.1	14.1
2.5°	10.9	8.4	7.1	7.0
5°	7.5	4.6	3.4	3.2
7.5°	5.2	2.3	1.6	1.4
10°	3.0	1.1	0.5	0.4
12.5°	1.8	0.2	0.0	0.0
15°	0.5	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.2	0.0	0.0	0.0
67.5°	0.2	0.0	0.0	0.0
70°	0.2	0.0	0.0	0.0
72.5°	0.2	0.0	0.0	0.0
75°	0.2	0.0	0.0	0.0
77.5°	0.2	0.0	0.0	0.0
80°	0.2	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.2	0.0	0.0	0.0
85°	0.2	0.0	0.0	0.0
87.5°	0.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)