

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: P1312974

Luminaire Tested: P3SQAS02R559730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R559730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

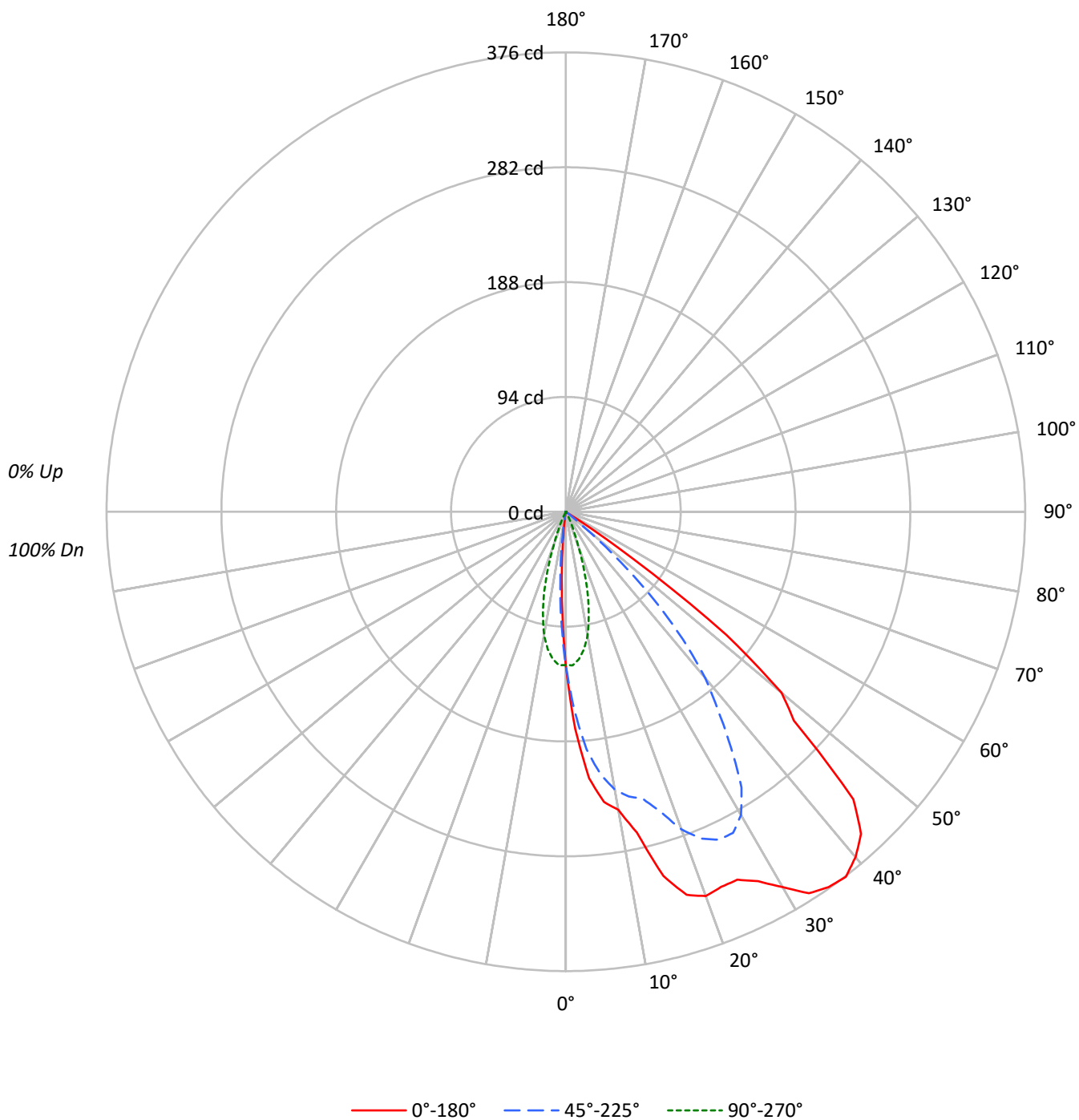
Lumens per Lamp: N/A
Luminaire Lumens: 232.0 lumens
Efficiency: N/A
Efficacy: 64.4 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	83	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	21597	21597	21597	21597	21597
5°	37844	33729	20953	8713	5014
10°	43318	40380	17925	962	350
15°	55041	43344	12285	196	125
20°	61342	50712	5388	0	0
25°	63146	56267	1539	0	0
30°	70538	57015	219	0	0
35°	78842	49513	0	0	0
40°	82936	39861	0	0	0
45°	81081	25160	0	0	0
50°	61731	5144	0	0	0
55°	20238	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	397	198	0
85°	0	395	395	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 81081 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	4.9
10°-20°	33.6	14.5
20°-30°	54.6	23.5
30°-40°	64.9	28.0
40°-50°	53.1	22.9
50°-60°	14.1	6.1
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°	99.6	42.9
0°-40°	164.5	70.9
0°-60°	231.6	99.8
0°-90°	232.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	232.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	125	125	125	125	125	
5°	219	195	121	50	29	21
15°	309	243	69	1	1	86
25°	332	296	8	0	0	156
35°	375	236	0	0	0	233
45°	333	103	0	0	0	239
55°	67	0	0	0	0	76
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°	67.5°
0°	125.4	125.4	125.4	125.4	125.4	125.4	125.4	125.4	125.4	125.4	125.4
2.5°	177.9	176.6	176.8	176.2	176.8	174.0	170.9	168.1	165.9	162.9	144.3
5°	218.9	216.7	216.1	215.2	214.3	210.8	208.0	204.5	200.4	195.1	161.1
7.5°	239.6	237.9	237.0	237.4	235.5	234.2	230.4	226.5	222.2	216.5	173.8
10°	247.7	245.9	245.7	245.5	245.3	244.4	242.7	239.2	235.2	230.9	181.0
12.5°	268.8	264.9	262.3	259.2	255.5	250.7	246.8	243.7	242.2	238.7	184.2
15°	308.7	305.0	302.2	298.3	291.3	281.0	271.7	259.7	249.2	243.1	182.9
17.5°	328.8	327.0	324.6	322.0	317.2	309.8	300.2	287.6	274.3	257.0	176.6
20°	334.7	333.8	332.0	331.0	327.7	322.5	315.9	306.1	293.7	276.7	166.8
22.5°	332.3	332.9	333.8	336.6	337.1	333.4	327.3	317.9	305.2	289.5	151.7
25°	332.3	331.8	331.8	337.7	341.4	339.7	335.3	326.8	314.0	296.1	133.2
27.5°	340.8	338.2	332.7	338.8	344.9	344.3	340.3	330.3	315.9	296.3	110.5
30°	354.7	349.1	340.1	345.8	351.5	349.1	342.7	329.9	311.6	286.7	82.8
32.5°	370.2	367.6	363.0	366.7	365.8	356.2	344.9	327.0	302.6	267.5	55.8
35°	375.0	375.4	372.4	371.7	366.7	356.9	344.9	319.0	283.9	235.5	33.1
37.5°	376.5	376.7	371.9	365.8	358.4	346.9	332.5	302.4	249.2	204.5	17.7
40°	368.9	368.7	360.8	353.4	345.1	333.8	312.9	267.5	216.3	177.3	6.3
42.5°	357.6	354.7	347.3	338.2	328.1	314.0	281.2	225.9	187.9	141.9	0.4
45°	332.9	330.3	324.4	314.6	303.5	283.4	231.8	194.0	152.8	103.3	0.0
47.5°	253.1	251.8	257.9	259.2	259.0	236.1	193.4	158.3	112.3	60.2	0.0
50°	230.4	228.7	222.6	214.8	200.8	181.6	155.0	117.3	65.8	19.2	0.0
52.5°	165.5	171.1	172.5	166.6	153.5	134.5	106.8	67.6	22.9	0.0	0.0
55°	67.4	63.9	66.5	69.8	72.4	66.5	49.3	24.0	0.2	0.0	0.0
57.5°	0.0	0.2	1.3	3.1	5.0	6.3	6.8	0.4	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	0.2
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	0.2	0.0	0.2	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	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	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
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):

	90°	112.5°	135°	157.5°	180°
0°	125.4	125.4	125.4	125.4	125.4
2.5°	125.8	106.4	87.6	77.4	72.4
5°	121.2	81.3	50.4	34.9	29.0
7.5°	113.6	55.8	20.1	8.3	5.9
10°	102.5	32.0	5.5	2.2	2.0
12.5°	86.6	14.6	2.0	1.5	1.5
15°	68.9	5.0	1.1	0.9	0.7
17.5°	48.4	1.3	0.4	0.0	0.0
20°	29.4	0.2	0.0	0.0	0.0
22.5°	16.4	0.0	0.0	0.0	0.0
25°	8.1	0.0	0.0	0.0	0.0
27.5°	3.5	0.0	0.0	0.0	0.0
30°	1.1	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.2	0.0	0.0	0.0	0.0
65°	0.2	0.2	0.0	0.0	0.0
67.5°	0.2	0.2	0.0	0.0	0.0
70°	0.2	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.0	0.0	0.0
77.5°	0.4	0.2	0.2	0.0	0.0
80°	0.4	0.2	0.2	0.0	0.0
82.5°	0.4	0.2	0.2	0.0	0.0
85°	0.2	0.2	0.2	0.0	0.0
87.5°	0.4	0.2	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)