

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: P1315108

Luminaire Tested: P3SQAS05R709740DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315108
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: P3SQAS05R709740DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

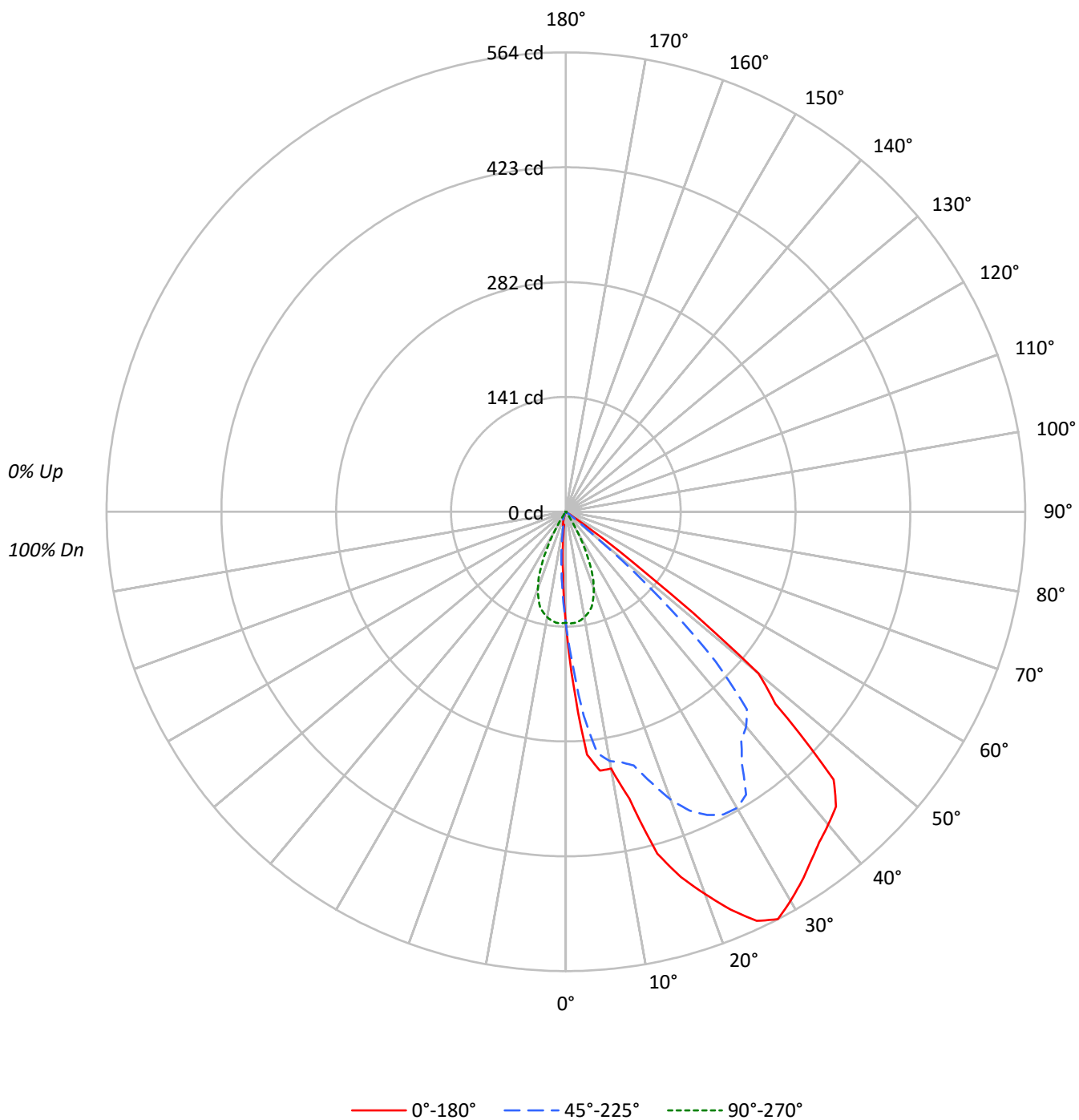
Lumens per Lamp: N/A
Luminaire Lumens: 367.0 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	91	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°	23457	23457	23457	23457	23457
5°	51743	43428	23633	10736	7071
10°	55979	54335	22997	2990	3078
15°	77470	57519	21699	3049	2211
20°	91509	68912	18419	1796	660
25°	105294	78044	12998	304	0
30°	109694	83524	5966	0	0
35°	110189	79157	336	0	0
40°	112703	77428	0	0	0
45°	113280	63447	0	0	0
50°	82710	13182	0	0	0
55°	4654	0	0	0	0
60°	0	172	172	0	0
65°	0	0	204	0	0
70°	0	252	252	0	0
75°	0	333	333	0	0
80°	0	496	496	496	0
85°	0	988	988	988	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 115423 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	4.1
10°-20°	49.8	13.6
20°-30°	89.4	24.4
30°-40°	108.7	29.6
40°-50°	84.0	22.9
50°-60°	19.5	5.3
60°-70°	0.1	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	154.1	42.0
0°-40°	262.8	71.6
0°-60°	366.3	99.8
0°-90°	367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	367.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	136	136	136	136	136	
5°	299	251	137	62	41	28
15°	434	323	122	17	12	122
25°	554	411	68	2	0	252
35°	524	376	2	0	0	329
45°	465	260	0	0	0	329
55°	16	0	0	0	0	64
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°	136.2	136.2	136.2	136.2	136.2	136.2	136.2	136.2	136.2	136.2	136.2
2.5°	212.3	212.3	213.4	212.9	208.2	206.1	199.4	195.8	194.7	186.4	183.3
5°	299.3	299.9	297.3	296.8	291.6	287.9	282.3	273.4	264.6	251.2	239.3
7.5°	320.6	320.1	319.5	319.5	318.5	316.4	313.8	311.3	307.6	299.3	290.0
10°	320.1	320.1	319.5	319.5	319.0	319.5	319.0	317.5	315.9	310.7	305.6
12.5°	360.5	357.3	353.2	347.0	336.6	328.9	320.1	317.5	316.4	314.9	311.8
15°	434.5	431.9	423.1	412.2	401.9	384.3	370.3	351.1	336.1	322.6	315.9
17.5°	470.2	471.8	462.0	455.2	445.4	431.4	414.8	395.2	373.9	348.5	328.3
20°	499.3	500.8	492.5	485.8	474.4	459.9	445.4	424.2	404.0	376.0	349.6
22.5°	528.8	529.8	522.0	512.2	499.3	484.2	465.6	443.8	422.1	397.2	369.3
25°	554.1	553.1	540.2	526.2	513.8	497.7	479.6	458.3	437.6	410.7	384.3
27.5°	564.0	563.5	549.0	535.5	521.0	499.3	483.2	464.6	442.8	419.0	392.0
30°	551.6	559.8	550.5	540.7	523.1	501.3	485.8	463.5	443.3	420.0	389.5
32.5°	538.6	549.0	545.9	541.2	520.5	503.4	483.2	462.5	438.7	411.7	365.1
35°	524.1	535.0	535.5	530.3	511.7	494.6	475.9	454.2	427.3	376.5	342.3
37.5°	511.2	521.5	524.6	513.8	499.3	476.5	459.4	436.6	387.9	353.7	336.1
40°	501.3	509.1	513.8	496.7	482.2	459.9	440.2	400.3	356.3	344.4	319.5
42.5°	491.0	498.2	500.3	481.6	459.4	438.1	409.7	359.4	346.5	328.9	262.1
45°	465.1	473.9	468.7	450.6	434.0	411.7	369.3	347.5	333.5	260.5	161.1
47.5°	349.1	358.9	372.9	378.1	383.8	367.7	344.4	336.6	274.0	158.0	50.2
50°	308.7	307.1	307.1	309.7	314.4	319.5	326.3	283.8	164.7	49.2	0.0
52.5°	125.8	132.1	162.6	190.1	221.7	253.3	263.1	174.0	64.2	1.0	0.0
55°	15.5	15.5	21.8	37.3	61.6	99.4	111.9	55.9	4.7	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	4.1	11.4	7.8	2.1	0.5	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
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	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
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°	136.2	136.2	136.2	136.2	136.2	136.2	136.2	136.2
2.5°	178.2	171.9	163.1	137.2	115.0	95.3	83.9	78.2
5°	227.9	212.9	192.7	136.7	93.2	62.1	46.6	40.9
7.5°	275.5	258.4	224.2	134.7	71.5	36.3	20.2	16.1
10°	296.2	283.8	253.3	131.5	51.8	17.1	17.1	17.6
12.5°	304.5	295.2	270.3	126.9	34.2	16.6	17.6	16.6
15°	310.2	301.4	278.6	121.7	19.7	17.1	14.0	12.4
17.5°	313.3	303.0	281.2	111.9	12.9	14.5	8.8	7.3
20°	323.2	306.6	283.3	100.5	12.4	9.8	4.7	3.6
22.5°	339.7	313.8	283.8	86.5	9.8	5.7	1.6	0.0
25°	354.8	323.7	285.4	68.4	3.1	1.6	0.0	0.0
27.5°	362.0	326.8	284.8	48.2	0.0	0.0	0.0	0.0
30°	353.2	319.0	280.2	30.0	0.0	0.0	0.0	0.0
32.5°	332.5	313.3	265.7	12.9	0.0	0.0	0.0	0.0
35°	325.8	300.9	232.5	1.6	0.0	0.0	0.0	0.0
37.5°	310.7	265.2	170.9	0.0	0.0	0.0	0.0	0.0
40°	267.2	191.6	81.3	0.0	0.0	0.0	0.0	0.0
42.5°	176.6	81.8	4.7	0.0	0.0	0.0	0.0	0.0
45°	62.1	5.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.0	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°	0.5	0.5	0.5	0.5	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	0.5	0.5	0.0	0.0	0.0	0.0
67.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
70°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
72.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
75°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
77.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.5	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)