

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: P1313164

Luminaire Tested: P3SQAS05R709730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313164
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: P3SQAS05R709730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

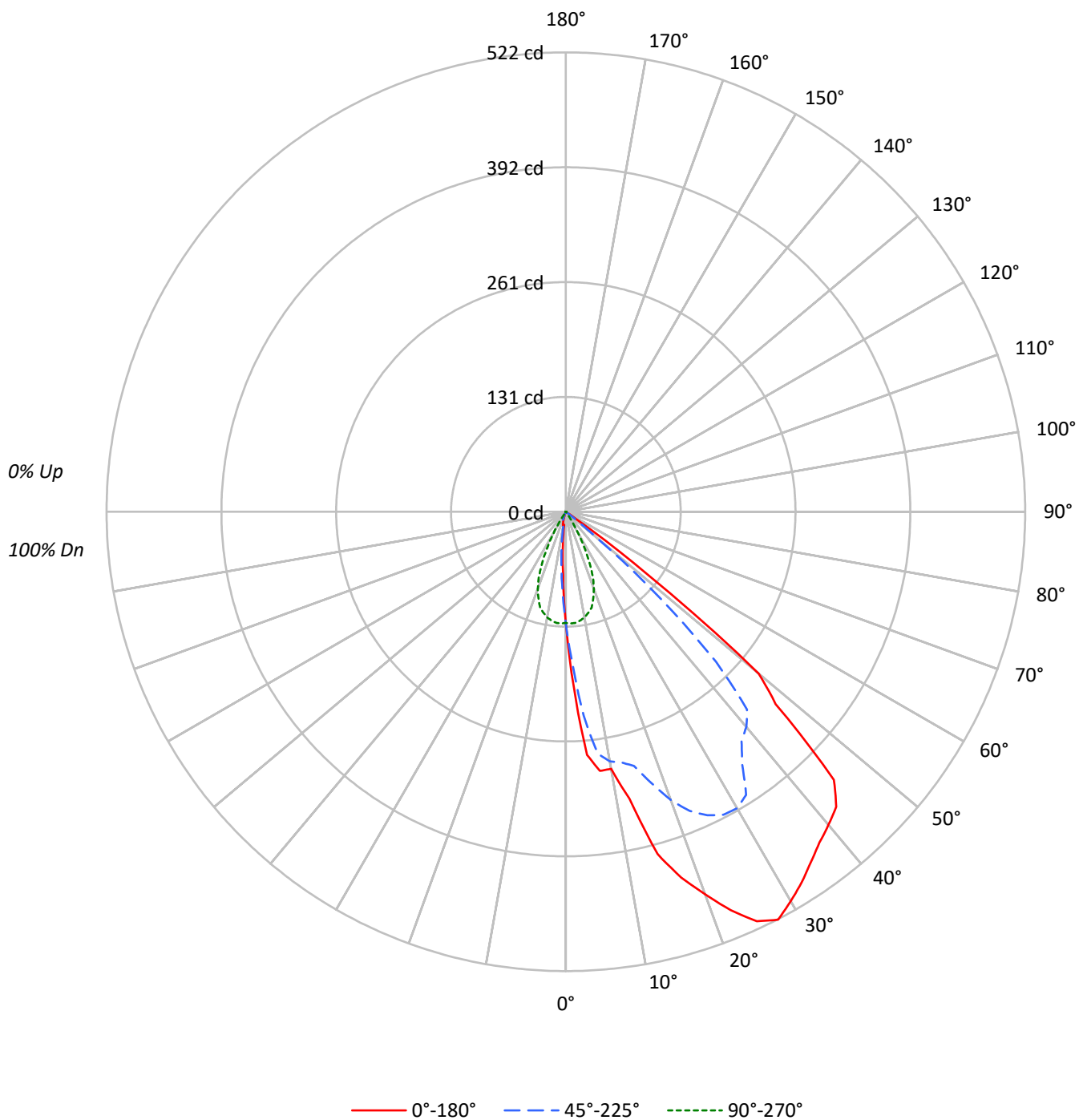
Lumens per Lamp: N/A
Luminaire Lumens: 340.0 lumens
Efficiency: N/A
Efficacy: 47.2 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	90	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°	21734	21734	21734	21734	21734
5°	47940	40229	21904	9958	6552
10°	51852	50348	21318	2763	2851
15°	71765	53293	20112	2817	2050
20°	84765	63835	17063	1668	623
25°	97560	72305	12029	266	0
30°	101620	77379	5528	0	0
35°	102095	73333	294	0	0
40°	104407	71740	0	0	0
45°	104950	58771	0	0	0
50°	76628	12218	0	0	0
55°	4324	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: 106923 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	4.1
10°-20°	46.1	13.6
20°-30°	82.9	24.4
30°-40°	100.7	29.6
40°-50°	77.8	22.9
50°-60°	18.1	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°	142.8	42.0
0°-40°	243.5	71.6
0°-60°	339.4	99.8
0°-90°	340.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	340.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	126	126	126	126	126	
5°	277	233	127	58	38	26
15°	402	299	113	16	12	113
25°	513	380	63	1	0	234
35°	486	349	1	0	0	305
45°	431	241	0	0	0	305
55°	14	0	0	0	0	59
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°	126.2	126.2	126.2	126.2	126.2	126.2	126.2	126.2	126.2	126.2	126.2
2.5°	196.7	196.7	197.7	197.2	192.9	191.0	184.7	181.4	180.4	172.7	169.8
5°	277.3	277.8	275.4	274.9	270.1	266.8	261.5	253.3	245.2	232.7	221.7
7.5°	297.0	296.5	296.0	296.0	295.1	293.2	290.8	288.4	285.0	277.3	268.7
10°	296.5	296.5	296.0	296.0	295.6	296.0	295.6	294.1	292.7	287.9	283.1
12.5°	333.9	331.1	327.2	321.5	311.9	304.7	296.5	294.1	293.2	291.7	288.8
15°	402.5	400.1	392.0	381.9	372.3	356.0	343.1	325.3	311.4	298.9	292.7
17.5°	435.7	437.1	428.0	421.7	412.6	399.7	384.3	366.1	346.4	322.9	304.2
20°	462.5	464.0	456.3	450.0	439.5	426.1	412.6	393.0	374.2	348.3	323.9
22.5°	489.9	490.8	483.6	474.5	462.5	448.6	431.3	411.2	391.0	368.0	342.1
25°	513.4	512.4	500.4	487.5	476.0	461.1	444.3	424.6	405.4	380.5	356.0
27.5°	522.5	522.0	508.6	496.1	482.7	462.5	447.6	430.4	410.2	388.2	363.2
30°	511.0	518.7	510.0	500.9	484.6	464.4	450.0	429.4	410.7	389.1	360.8
32.5°	499.0	508.6	505.7	501.4	482.2	466.4	447.6	428.5	406.4	381.4	338.3
35°	485.6	495.6	496.1	491.3	474.0	458.2	440.9	420.8	395.8	348.8	317.1
37.5°	473.6	483.2	486.0	476.0	462.5	441.4	425.6	404.5	359.4	327.7	311.4
40°	464.4	471.6	476.0	460.1	446.7	426.1	407.8	370.9	330.1	319.1	296.0
42.5°	454.8	461.6	463.5	446.2	425.6	405.9	379.5	333.0	321.0	304.7	242.8
45°	430.9	439.0	434.2	417.4	402.1	381.4	342.1	321.9	309.0	241.3	149.2
47.5°	323.4	332.5	345.5	350.2	355.5	340.7	319.1	311.9	253.8	146.3	46.5
50°	286.0	284.5	284.5	286.9	291.2	296.0	302.3	262.9	152.6	45.6	0.0
52.5°	116.6	122.3	150.7	176.1	205.4	234.6	243.7	161.2	59.5	1.0	0.0
55°	14.4	14.4	20.2	34.5	57.1	92.1	103.6	51.8	4.3	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	3.8	10.6	7.2	1.9	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°	126.2	126.2	126.2	126.2	126.2	126.2	126.2	126.2
2.5°	165.0	159.3	151.1	127.1	106.5	88.3	77.7	72.4
5°	211.1	197.2	178.5	126.7	86.4	57.6	43.2	37.9
7.5°	255.3	239.4	207.8	124.7	66.2	33.6	18.7	14.9
10°	274.4	262.9	234.6	121.9	48.0	15.8	15.8	16.3
12.5°	282.1	273.5	250.5	117.5	31.7	15.4	16.3	15.4
15°	287.4	279.2	258.1	112.8	18.2	15.8	13.0	11.5
17.5°	290.3	280.7	260.5	103.6	12.0	13.4	8.2	6.7
20°	299.4	284.0	262.4	93.1	11.5	9.1	4.3	3.4
22.5°	314.7	290.8	262.9	80.1	9.1	5.3	1.4	0.0
25°	328.7	299.9	264.4	63.3	2.9	1.4	0.0	0.0
27.5°	335.4	302.8	263.9	44.6	0.0	0.0	0.0	0.0
30°	327.2	295.6	259.6	27.8	0.0	0.0	0.0	0.0
32.5°	308.0	290.3	246.1	12.0	0.0	0.0	0.0	0.0
35°	301.8	278.8	215.4	1.4	0.0	0.0	0.0	0.0
37.5°	287.9	245.7	158.3	0.0	0.0	0.0	0.0	0.0
40°	247.6	177.5	75.3	0.0	0.0	0.0	0.0	0.0
42.5°	163.6	75.8	4.3	0.0	0.0	0.0	0.0	0.0
45°	57.6	4.8	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)