

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: P1308866

Luminaire Tested: P3SQAS05R609035DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308866
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: P3SQAS05R609035DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

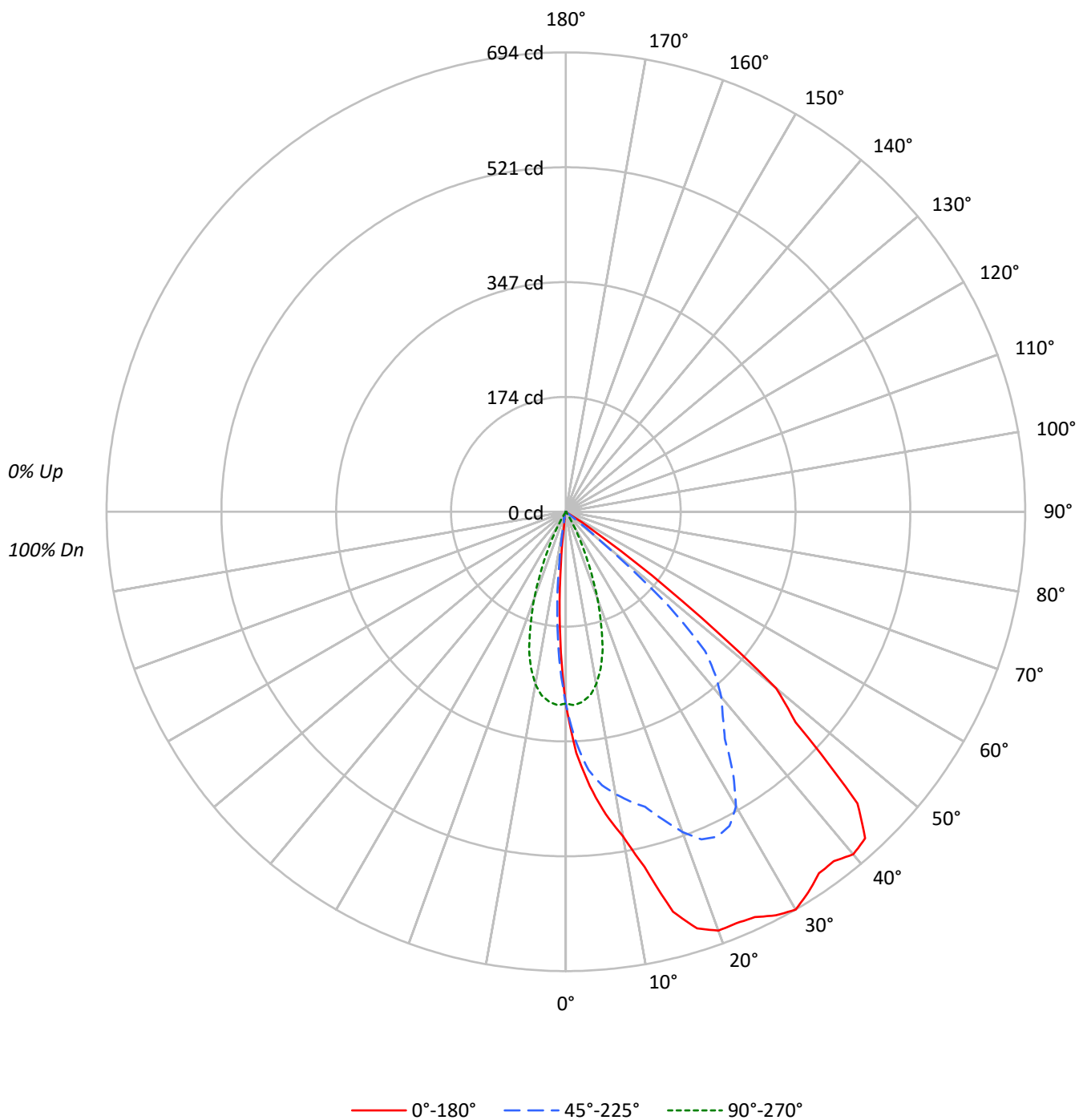
Lumens per Lamp: N/A
Luminaire Lumens: 471.0 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	64	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°	49910	49910	49910	49910	49910
5°	71936	67752	49824	25673	16493
10°	87020	75740	46256	3060	1801
15°	111525	82285	38334	2015	1658
20°	123418	94314	25714	1136	183
25°	128363	102880	12637	95	0
30°	138033	102237	3480	0	0
35°	140170	88030	0	0	0
40°	151866	82082	0	0	0
45°	151713	72459	0	0	0
50°	111084	17549	0	0	0
55°	21679	0	0	0	0
60°	0	0	0	0	0
65°	0	204	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: 151957 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.9	5.3
10°-20°	70.9	15.0
20°-30°	112.9	24.0
30°-40°	130.5	27.7
40°-50°	103.7	22.0
50°-60°	27.3	5.8
60°-70°	0.2	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°	208.7	44.3
0°-40°	339.2	72.0
0°-60°	470.2	99.8
0°-90°	471.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	471.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	290	290	290	290	290	
5°	416	392	288	148	95	42
15°	626	462	215	11	9	174
25°	676	541	66	0	0	315
35°	667	419	0	0	0	423
45°	623	298	0	0	0	444
55°	72	0	0	0	0	109
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°	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8
2.5°	364.6	368.2	366.6	365.1	361.5	359.9	359.9	355.8	349.1	348.1	343.4
5°	416.1	417.2	417.2	416.1	413.5	409.4	408.4	404.3	398.1	391.9	385.7
7.5°	461.0	460.5	457.4	455.3	450.7	445.0	439.8	434.2	424.9	416.6	407.9
10°	497.6	499.1	496.6	491.4	485.2	477.5	469.2	459.4	445.5	433.1	421.8
12.5°	549.2	548.6	541.9	533.2	518.2	503.8	490.9	480.1	463.0	448.1	434.2
15°	625.5	624.4	618.3	610.5	588.9	567.2	545.0	514.6	486.2	461.5	441.9
17.5°	660.0	662.1	656.9	652.8	640.4	626.0	606.4	576.0	532.1	487.3	446.0
20°	673.4	676.0	672.4	671.9	666.2	659.5	643.5	610.5	567.7	514.6	463.6
22.5°	672.9	675.0	673.4	680.1	686.8	683.2	663.6	630.6	586.8	535.7	478.0
25°	675.5	673.9	668.3	678.1	687.9	684.8	675.0	646.6	598.7	541.4	483.2
27.5°	687.3	676.0	664.7	677.0	681.7	682.7	677.0	643.5	596.6	535.2	472.8
30°	694.1	681.7	672.4	682.7	682.7	688.4	676.5	638.4	579.1	514.1	445.5
32.5°	681.7	679.1	687.3	697.7	700.2	700.2	673.9	621.3	549.7	470.8	401.7
35°	666.7	672.9	696.6	701.3	701.3	689.9	658.0	591.4	505.8	418.7	369.2
37.5°	665.2	675.0	701.3	695.6	686.3	665.2	618.8	539.4	443.4	389.3	345.0
40°	675.5	684.8	700.2	679.6	657.4	624.4	568.8	471.3	405.8	365.1	315.6
42.5°	669.3	678.1	678.6	648.2	616.7	571.8	498.1	416.1	378.5	334.1	282.1
45°	622.9	623.9	621.9	589.4	556.9	510.5	432.1	388.8	348.6	297.5	207.3
47.5°	470.8	468.7	476.5	467.2	468.7	440.9	392.4	356.8	308.9	208.8	62.9
50°	414.6	412.0	404.3	396.0	387.8	374.4	351.7	313.5	222.8	65.5	2.1
52.5°	222.2	234.6	258.9	296.0	309.9	308.9	291.9	232.0	70.1	0.5	0.0
55°	72.2	71.2	79.4	93.8	128.9	148.5	154.7	78.9	1.5	0.0	0.0
57.5°	0.0	0.0	0.0	1.5	5.2	13.4	17.5	1.0	0.0	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	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	0.5	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	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°	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8
2.5°	337.2	330.0	321.8	292.4	257.8	224.3	200.1	193.9
5°	375.9	363.5	346.0	288.2	213.0	148.5	106.2	95.4
7.5°	396.0	385.2	366.6	280.0	165.0	73.2	27.3	18.6
10°	408.4	395.5	374.9	264.5	107.8	17.5	9.8	10.3
12.5°	417.2	402.2	379.0	242.4	54.7	8.8	12.4	12.9
15°	420.8	404.8	378.5	215.0	19.6	11.3	10.8	9.3
17.5°	418.7	398.6	371.8	175.8	6.7	10.8	5.7	4.6
20°	416.1	393.4	360.9	140.3	5.7	6.2	2.1	1.0
22.5°	424.4	384.7	346.0	100.5	5.7	2.1	0.0	0.0
25°	425.4	381.1	326.9	66.5	2.6	0.5	0.0	0.0
27.5°	415.1	359.9	297.5	39.2	0.0	0.0	0.0	0.0
30°	382.1	333.6	266.1	17.5	0.0	0.0	0.0	0.0
32.5°	349.6	304.2	231.0	4.1	0.0	0.0	0.0	0.0
35°	323.8	273.8	192.3	0.0	0.0	0.0	0.0	0.0
37.5°	291.9	237.7	143.3	0.0	0.0	0.0	0.0	0.0
40°	258.3	191.8	71.7	0.0	0.0	0.0	0.0	0.0
42.5°	201.6	91.3	7.2	0.0	0.0	0.0	0.0	0.0
45°	77.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4.1	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	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
65°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
67.5°	0.5	0.5	0.5	0.5	0.5	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	0.0	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	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)