

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: P1315988

Luminaire Tested: P3SQAS05R459827DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R459827DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

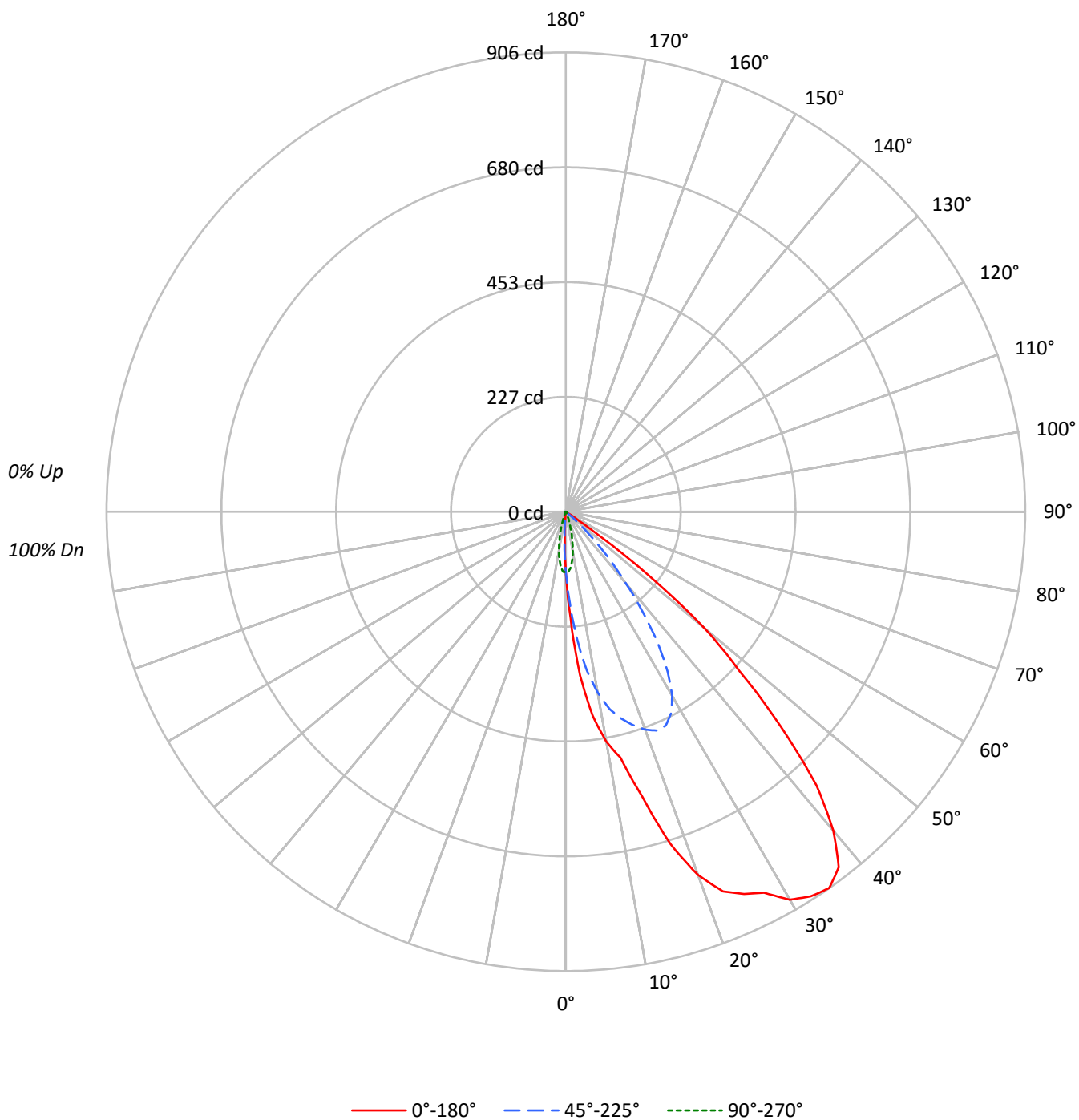
Lumens per Lamp: N/A
Luminaire Lumens: 384.0 lumens
Efficiency: N/A
Efficacy: 53.3 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	98	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		76	72	68	67
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57		66	60	56		64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51		61	55	51		59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55	50	46	44
9	66	54	47	43	65	54	47	42	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°	20546	20546	20546	20546	20546
5°	56065	43151	19017	3821	1435
10°	80532	63289	13746	367	297
15°	103680	75277	7310	125	0
20°	139729	83757	2786	0	0
25°	158045	88495	722	0	0
30°	175678	83424	60	0	0
35°	190440	66522	0	0	0
40°	184578	41772	0	0	0
45°	146331	19899	0	0	0
50°	95758	2492	0	0	0
55°	16454	0	0	0	0
60°	0	0	103	0	0
65°	0	122	122	0	0
70°	0	151	352	0	0
75°	0	200	466	0	0
80°	0	298	694	298	0
85°	0	593	1383	593	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 146331 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.2	3.7
10°-20°	54.7	14.2
20°-30°	102.4	26.7
30°-40°	119.5	31.1
40°-50°	78.0	20.3
50°-60°	14.5	3.8
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°	171.3	44.6
0°-40°	290.8	75.7
0°-60°	383.3	99.8
0°-90°	384.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	384.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	119	119	119	119	119	
5°	324	250	110	22	8	35
15°	582	422	41	1	0	173
25°	832	466	4	0	0	385
35°	906	316	0	0	0	556
45°	601	82	0	0	0	457
55°	55	0	0	0	0	95
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	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°	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3
2.5°	210.3	212.0	208.5	207.2	202.7	203.7	196.1	193.0	188.2	180.3	176.5
5°	324.3	321.2	318.5	312.6	309.2	299.9	289.5	277.8	263.7	249.6	233.4
7.5°	405.7	403.3	402.2	397.4	390.5	380.9	367.4	352.6	334.3	315.4	290.9
10°	460.5	458.1	453.9	449.1	443.6	435.7	422.6	406.4	386.4	361.9	333.3
12.5°	496.3	496.0	489.1	483.6	476.7	469.8	456.4	443.3	423.6	398.5	366.1
15°	581.5	576.0	567.0	551.5	532.2	514.3	492.6	471.9	450.5	422.2	386.0
17.5°	687.6	681.4	666.3	646.6	615.6	581.5	544.3	511.5	479.5	441.2	398.5
20°	762.4	760.0	747.3	724.5	691.4	646.3	597.3	551.1	506.0	457.0	404.3
22.5°	810.3	809.0	803.8	788.3	754.5	703.8	640.8	578.7	524.3	467.0	402.6
25°	831.7	833.4	834.1	826.5	799.3	747.6	672.8	599.7	534.6	465.7	389.5
27.5°	846.9	846.9	849.6	846.2	818.6	764.2	685.2	607.0	531.2	448.8	361.9
30°	883.4	882.7	884.5	875.1	836.9	769.3	679.7	595.3	511.5	419.5	322.3
32.5°	899.3	900.0	899.6	884.8	840.3	765.9	666.3	572.9	475.3	373.6	269.9
35°	905.8	902.7	890.0	856.2	800.0	720.0	628.4	534.9	424.6	316.4	213.0
37.5°	884.1	875.1	846.9	800.7	732.1	655.2	565.6	467.0	357.4	248.2	160.3
40°	821.0	809.3	773.8	718.0	655.2	586.0	491.5	387.4	279.5	185.8	112.4
42.5°	731.8	718.3	680.1	631.5	574.2	501.5	407.4	303.3	204.7	128.2	71.3
45°	600.8	593.2	571.1	530.1	473.9	398.5	312.3	221.3	141.7	81.7	36.5
47.5°	464.6	455.0	439.1	410.9	364.0	292.3	218.5	150.3	91.0	40.3	7.6
50°	357.4	346.1	326.8	295.4	246.4	195.1	141.7	93.8	46.2	9.3	0.3
52.5°	205.8	208.2	198.9	178.9	151.7	116.8	82.0	47.2	10.3	0.3	0.0
55°	54.8	59.3	57.9	62.4	54.8	46.2	34.1	9.0	0.7	0.0	0.0
57.5°	0.0	0.0	0.3	0.7	2.1	3.1	1.0	0.3	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	0.0
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	0.3	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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°	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3
2.5°	167.9	160.6	151.7	118.6	89.3	64.1	50.0	46.2
5°	217.8	200.3	177.5	110.0	55.1	22.1	10.0	8.3
7.5°	265.1	239.2	198.2	96.2	27.9	5.5	2.8	2.4
10°	301.6	266.8	213.4	78.6	10.3	2.1	1.7	1.7
12.5°	326.8	284.4	218.9	59.6	3.8	1.0	1.0	0.7
15°	341.2	291.3	213.7	41.0	1.4	0.7	0.0	0.0
17.5°	345.7	288.5	199.9	25.9	0.3	0.0	0.0	0.0
20°	341.9	275.1	178.2	15.2	0.0	0.0	0.0	0.0
22.5°	329.5	254.0	152.0	8.3	0.0	0.0	0.0	0.0
25°	306.4	224.4	121.3	3.8	0.0	0.0	0.0	0.0
27.5°	268.9	186.1	91.3	1.4	0.0	0.0	0.0	0.0
30°	226.1	145.1	64.8	0.3	0.0	0.0	0.0	0.0
32.5°	176.5	106.9	41.7	0.0	0.0	0.0	0.0	0.0
35°	132.7	74.8	24.8	0.0	0.0	0.0	0.0	0.0
37.5°	92.4	47.2	13.1	0.0	0.0	0.0	0.0	0.0
40°	57.6	25.5	4.5	0.0	0.0	0.0	0.0	0.0
42.5°	32.1	9.0	0.3	0.0	0.0	0.0	0.0	0.0
45°	7.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.3	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	0.3	0.0	0.0	0.0	0.0
60°	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0
62.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
65°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
67.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
70°	0.3	0.3	0.3	0.7	0.3	0.0	0.0	0.0
72.5°	0.3	0.3	0.7	0.7	0.3	0.0	0.0	0.0
75°	0.3	0.3	0.7	0.7	0.3	0.0	0.0	0.0
77.5°	0.3	0.7	0.7	0.7	0.3	0.3	0.0	0.0
80°	0.3	0.7	0.7	0.7	0.7	0.3	0.0	0.0
82.5°	0.3	0.7	0.7	0.7	0.7	0.3	0.0	0.0
85°	0.3	0.7	0.7	0.7	0.3	0.3	0.0	0.0
87.5°	0.3	0.7	0.7	0.7	0.7	0.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)