

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: P1309279

Luminaire Tested: P3SQAS17R309035DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309035DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

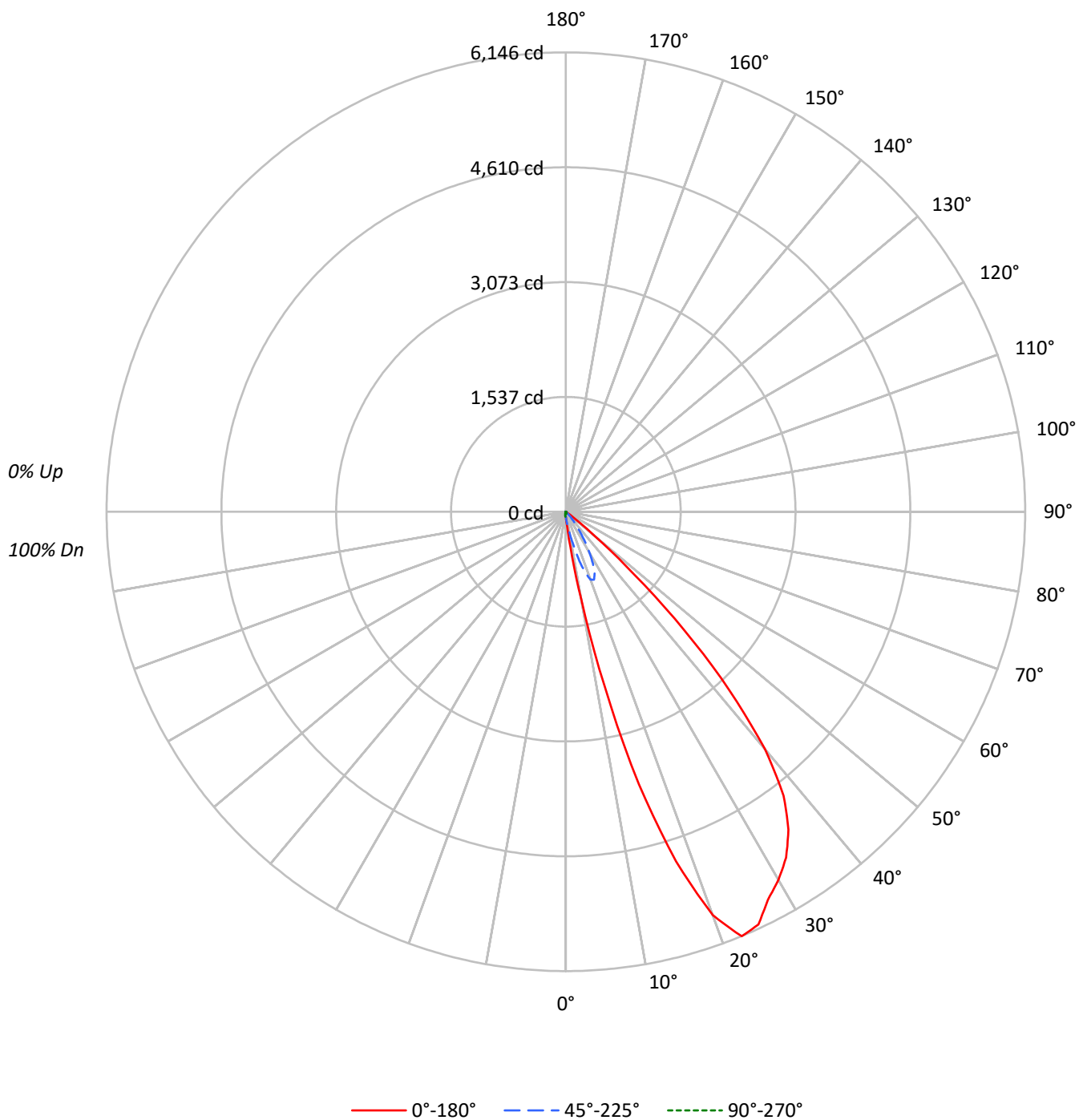
Lumens per Lamp: N/A
Luminaire Lumens: 1449.0 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92	
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83	
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75	
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68	
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61	
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55	
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50	
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45	
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41	
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11866	11866	11866	11866	11866
5°	35717	23806	11220	5031	4115
10°	206777	50470	8796	2308	1626
15°	672576	114503	6133	464	232
20°	1052441	177154	3885	0	0
25°	1157889	173095	2014	0	0
30°	1130909	124808	795	0	0
35°	1091508	70979	273	0	0
40°	930825	30059	0	0	0
45°	546280	11277	317	0	317
50°	132679	2117	348	348	1072
55°	11530	0	781	1201	1591
60°	448	0	896	1378	2273
65°	530	530	1630	1630	2690
70°	655	655	2014	2014	2669
75°	0	865	2662	2662	2662
80°	0	1289	3967	2579	2579
85°	0	2569	7904	2569	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 546280 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.6	0.9
10°-20°	199.2	13.7
20°-30°	506.1	34.9
30°-40°	504.4	34.8
40°-50°	204.3	14.1
50°-60°	14.1	1.0
60°-70°	3.2	0.2
70°-80°	3.2	0.2
80°-90°	1.8	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°	717.9	49.5
0°-40°	1222.3	84.4
0°-60°	1440.8	99.4
0°-90°	1449.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1449.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	69	69	69	69	69	
5°	207	138	65	29	24	48
15°	3772	642	34	3	1	1098
25°	6093	911	11	0	0	2751
35°	5192	338	1	0	0	3182
45°	2243	46	1	0	1	1711
55°	38	0	3	4	5	100
65°	1	1	4	4	7	1
75°	0	1	4	4	4	1
85°	0	1	4	1	1	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°	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
2.5°	113.9	115.2	115.2	112.5	111.2	111.2	107.2	105.9	102.0	98.0	84.7
5°	206.6	202.6	197.3	197.3	185.4	178.7	169.5	158.9	150.9	137.7	98.0
7.5°	468.7	436.9	427.7	415.8	370.7	335.0	293.9	258.2	225.1	197.3	108.6
10°	1182.4	1120.1	1068.5	963.9	832.8	707.0	590.5	455.5	362.8	288.6	116.5
12.5°	2382.0	2298.6	2199.3	2008.6	1763.6	1449.8	1171.8	875.2	614.4	425.0	119.2
15°	3772.2	3630.6	3475.6	3233.3	2832.2	2382.0	1880.2	1407.5	986.4	642.2	116.5
17.5°	4905.6	4850.0	4620.9	4289.9	3798.7	3218.8	2600.4	1954.3	1330.7	840.8	108.6
20°	5742.4	5704.0	5427.3	5075.1	4521.6	3857.0	3071.8	2295.9	1570.3	966.6	96.7
22.5°	6146.3	6139.6	5939.7	5579.6	4993.0	4239.6	3375.0	2493.2	1644.5	983.8	80.8
25°	6093.3	6117.1	6003.3	5735.8	5173.1	4397.2	3465.0	2493.2	1590.2	910.9	67.5
27.5°	5852.3	5868.2	5796.7	5591.5	5067.2	4283.3	3339.3	2333.0	1432.6	782.5	55.6
30°	5686.8	5693.4	5604.7	5384.9	4828.8	4023.8	3042.7	2036.4	1194.3	627.6	41.0
32.5°	5485.6	5484.2	5381.0	5129.4	4516.3	3659.7	2666.6	1682.9	917.6	476.7	23.8
35°	5191.6	5158.5	5018.2	4728.2	4050.3	3169.8	2186.0	1281.7	660.7	337.6	14.6
37.5°	4787.8	4701.7	4503.1	4115.2	3396.2	2485.2	1620.6	900.4	451.5	223.8	9.3
40°	4140.3	4049.0	3778.9	3307.5	2568.7	1788.8	1092.3	586.6	284.7	133.7	5.3
42.5°	3246.6	3184.4	2820.2	2350.2	1696.1	1141.3	656.7	346.9	160.2	76.8	1.3
45°	2242.9	2162.2	1876.2	1477.6	1018.2	632.9	368.1	181.4	91.4	46.3	0.0
47.5°	1238.0	1138.7	973.2	765.3	512.4	332.3	185.4	98.0	51.6	22.5	0.0
50°	495.2	491.2	390.6	278.1	196.0	150.9	92.7	53.0	26.5	7.9	1.3
52.5°	173.5	173.5	149.6	121.8	95.3	68.9	46.3	25.2	9.3	2.6	1.3
55°	38.4	42.4	39.7	37.1	35.7	30.5	19.9	9.3	2.6	0.0	1.3
57.5°	4.0	4.0	4.0	5.3	6.6	6.6	5.3	2.6	0.0	0.0	1.3
60°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	2.6
62.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3	2.6
65°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
67.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	4.0
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	4.0
75°	0.0	0.0	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3	4.0
77.5°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	2.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	2.6
82.5°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.6
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°	68.9	68.9	68.9	68.9	68.9
2.5°	68.9	54.3	45.0	39.7	38.4
5°	64.9	41.0	29.1	25.2	23.8
7.5°	58.3	30.5	19.9	15.9	14.6
10°	50.3	22.5	13.2	9.3	9.3
12.5°	42.4	17.2	7.9	4.0	2.6
15°	34.4	10.6	2.6	1.3	1.3
17.5°	26.5	6.6	0.0	0.0	0.0
20°	21.2	2.6	0.0	0.0	0.0
22.5°	15.9	1.3	0.0	0.0	0.0
25°	10.6	0.0	0.0	0.0	0.0
27.5°	6.6	0.0	0.0	0.0	0.0
30°	4.0	0.0	0.0	0.0	0.0
32.5°	1.3	0.0	0.0	0.0	0.0
35°	1.3	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°	1.3	0.0	0.0	1.3	1.3
47.5°	1.3	1.3	1.3	2.6	2.6
50°	1.3	1.3	1.3	2.6	4.0
52.5°	2.6	1.3	2.6	4.0	4.0
55°	2.6	2.6	4.0	5.3	5.3
57.5°	2.6	2.6	4.0	5.3	5.3
60°	2.6	2.6	4.0	5.3	6.6
62.5°	4.0	4.0	4.0	5.3	5.3
65°	4.0	4.0	4.0	5.3	6.6
67.5°	4.0	4.0	4.0	5.3	6.6
70°	4.0	4.0	4.0	5.3	5.3
72.5°	5.3	4.0	4.0	5.3	5.3
75°	4.0	4.0	4.0	4.0	4.0
77.5°	4.0	4.0	2.6	4.0	4.0
80°	4.0	2.6	2.6	2.6	2.6
82.5°	4.0	2.6	2.6	2.6	2.6
85°	4.0	2.6	1.3	1.3	1.3
87.5°	4.0	2.6	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)