

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: P1307043

Luminaire Tested: P3SQAS17R309027DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307043
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: P3SQAS17R309027DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

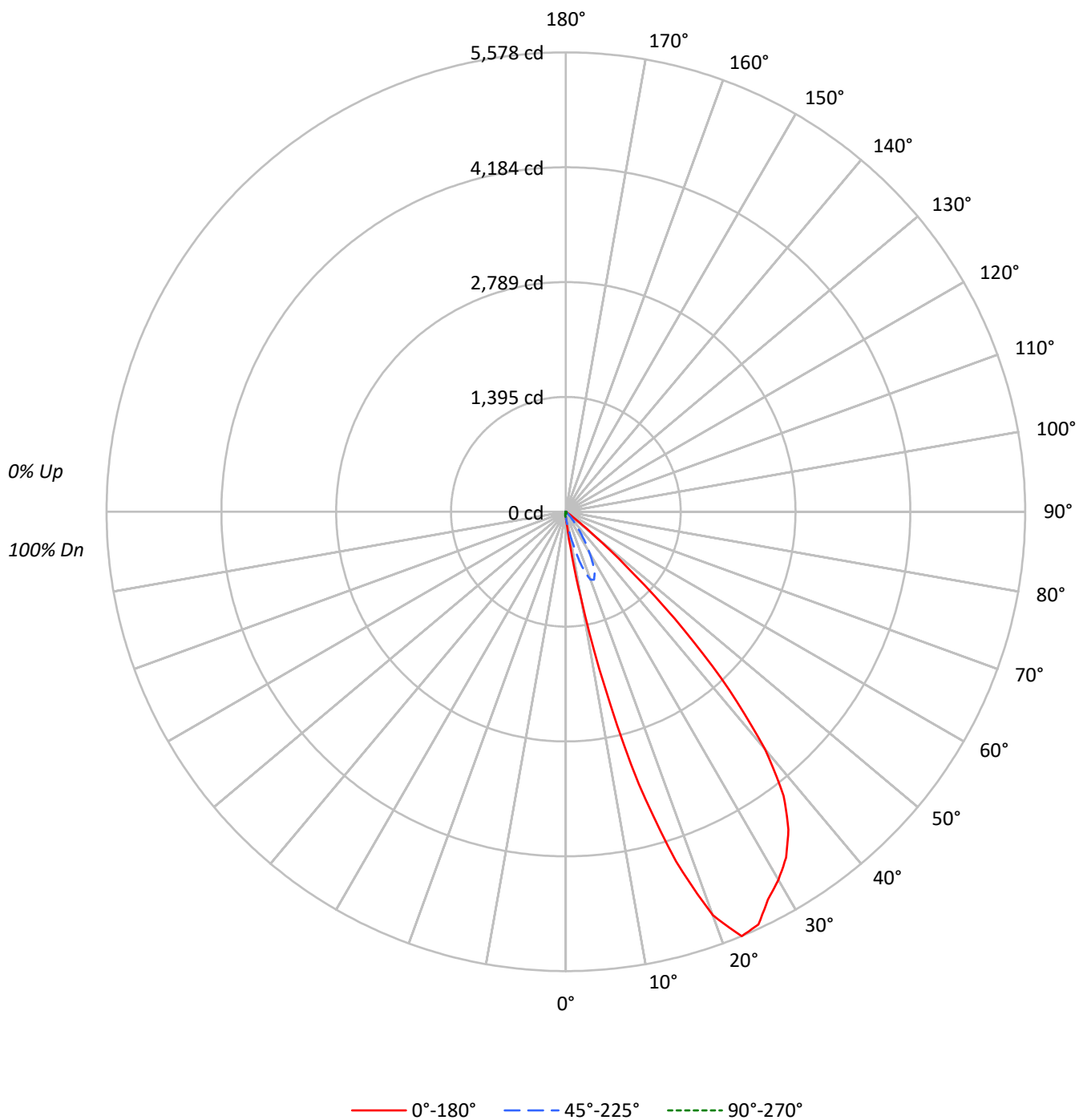
Lumens per Lamp: N/A
Luminaire Lumens: 1315.0 lumens
Efficiency: N/A
Efficacy: 62.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	10
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°	10764	10764	10764	10764	10764
5°	32415	21610	10183	4564	3734
10°	187646	45818	7992	2099	1469
15°	610385	103912	5563	428	214
20°	955122	160769	3519	0	0
25°	1050809	157095	1824	0	0
30°	1026325	113274	716	0	0
35°	990569	64419	252	0	0
40°	844741	27293	0	0	0
45°	495766	10254	292	0	292
50°	120408	1929	322	322	965
55°	10449	0	721	1081	1441
60°	413	0	827	1240	2067
65°	489	489	1467	1467	2445
70°	604	604	1813	1813	2417
75°	0	799	2396	2396	2396
80°	0	1190	3570	2380	2380
85°	0	2371	7114	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 495766 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	0.9
10°-20°	180.7	13.7
20°-30°	459.3	34.9
30°-40°	457.8	34.8
40°-50°	185.5	14.1
50°-60°	12.8	1.0
60°-70°	2.9	0.2
70°-80°	2.9	0.2
80°-90°	1.7	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°	651.5	49.5
0°-40°	1109.3	84.4
0°-60°	1307.5	99.4
0°-90°	1315.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1315.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	62	62	62	62	62	
5°	188	125	59	26	22	43
15°	3423	583	31	2	1	996
25°	5530	827	10	0	0	2497
35°	4712	306	1	0	0	2888
45°	2036	42	1	0	1	1553
55°	35	0	2	4	5	91
65°	1	1	4	4	6	1
75°	0	1	4	4	4	0
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°	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
2.5°	103.3	104.5	104.5	102.1	100.9	100.9	97.3	96.1	92.5	88.9	76.9
5°	187.5	183.8	179.0	179.0	168.2	162.2	153.8	144.2	137.0	125.0	88.9
7.5°	425.4	396.5	388.1	377.3	336.5	304.0	266.8	234.3	204.3	179.0	98.5
10°	1073.0	1016.6	969.7	874.8	755.8	641.7	535.9	413.4	329.2	262.0	105.7
12.5°	2161.7	2086.0	1995.9	1822.8	1600.5	1315.8	1063.4	794.3	557.5	385.7	108.1
15°	3423.4	3294.8	3154.2	2934.3	2570.2	2161.7	1706.3	1277.3	895.2	582.8	105.7
17.5°	4452.0	4401.5	4193.6	3893.2	3447.4	2921.1	2360.0	1773.6	1207.6	763.0	98.5
20°	5211.4	5176.5	4925.4	4605.8	4103.5	3500.3	2787.7	2083.6	1425.1	877.2	87.7
22.5°	5577.9	5571.9	5390.4	5063.6	4531.3	3847.6	3062.9	2262.6	1492.4	892.8	73.3
25°	5529.8	5551.4	5448.1	5205.4	4694.7	3990.5	3144.6	2262.6	1443.1	826.7	61.3
27.5°	5311.1	5325.5	5260.6	5074.4	4598.6	3887.2	3030.5	2117.2	1300.1	710.2	50.5
30°	5160.9	5166.9	5086.4	4886.9	4382.3	3651.7	2761.3	1848.1	1083.9	569.6	37.2
32.5°	4978.3	4977.1	4883.3	4655.0	4098.7	3321.2	2420.0	1527.2	832.7	432.6	21.6
35°	4711.5	4681.5	4554.1	4290.9	3675.7	2876.7	1983.9	1163.2	599.6	306.4	13.2
37.5°	4345.0	4266.9	4086.7	3734.6	3082.1	2255.4	1470.8	817.1	409.7	203.1	8.4
40°	3757.4	3674.5	3429.4	3001.6	2331.1	1623.4	991.3	532.3	258.3	121.4	4.8
42.5°	2946.3	2889.9	2559.4	2132.9	1539.3	1035.8	596.0	314.8	145.4	69.7	1.2
45°	2035.5	1962.2	1702.7	1341.0	924.0	574.4	334.0	164.6	82.9	42.1	0.0
47.5°	1123.5	1033.4	883.2	694.5	465.0	301.6	168.2	88.9	46.9	20.4	0.0
50°	449.4	445.8	354.5	252.3	177.8	137.0	84.1	48.1	24.0	7.2	1.2
52.5°	157.4	157.4	135.8	110.5	86.5	62.5	42.1	22.8	8.4	2.4	1.2
55°	34.8	38.5	36.0	33.6	32.4	27.6	18.0	8.4	2.4	0.0	1.2
57.5°	3.6	3.6	3.6	4.8	6.0	6.0	4.8	2.4	0.0	0.0	1.2
60°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	2.4
62.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2	2.4
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6
75°	0.0	0.0	1.2	1.2	0.0	1.2	1.2	1.2	1.2	1.2	3.6
77.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	2.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.4
82.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4
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°	62.5	62.5	62.5	62.5	62.5
2.5°	62.5	49.3	40.9	36.0	34.8
5°	58.9	37.2	26.4	22.8	21.6
7.5°	52.9	27.6	18.0	14.4	13.2
10°	45.7	20.4	12.0	8.4	8.4
12.5°	38.5	15.6	7.2	3.6	2.4
15°	31.2	9.6	2.4	1.2	1.2
17.5°	24.0	6.0	0.0	0.0	0.0
20°	19.2	2.4	0.0	0.0	0.0
22.5°	14.4	1.2	0.0	0.0	0.0
25°	9.6	0.0	0.0	0.0	0.0
27.5°	6.0	0.0	0.0	0.0	0.0
30°	3.6	0.0	0.0	0.0	0.0
32.5°	1.2	0.0	0.0	0.0	0.0
35°	1.2	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°	1.2	0.0	0.0	1.2	1.2
47.5°	1.2	1.2	1.2	2.4	2.4
50°	1.2	1.2	1.2	2.4	3.6
52.5°	2.4	1.2	2.4	3.6	3.6
55°	2.4	2.4	3.6	4.8	4.8
57.5°	2.4	2.4	3.6	4.8	4.8
60°	2.4	2.4	3.6	4.8	6.0
62.5°	3.6	3.6	3.6	4.8	4.8
65°	3.6	3.6	3.6	4.8	6.0
67.5°	3.6	3.6	3.6	4.8	6.0
70°	3.6	3.6	3.6	4.8	4.8
72.5°	4.8	3.6	3.6	4.8	4.8
75°	3.6	3.6	3.6	3.6	3.6
77.5°	3.6	3.6	2.4	3.6	3.6
80°	3.6	2.4	2.4	2.4	2.4
82.5°	3.6	2.4	2.4	2.4	2.4
85°	3.6	2.4	1.2	1.2	1.2
87.5°	3.6	2.4	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)