

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: P1310543

Luminaire Tested: P3SQAS20R309040D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310543
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: P3SQAS20R309040D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

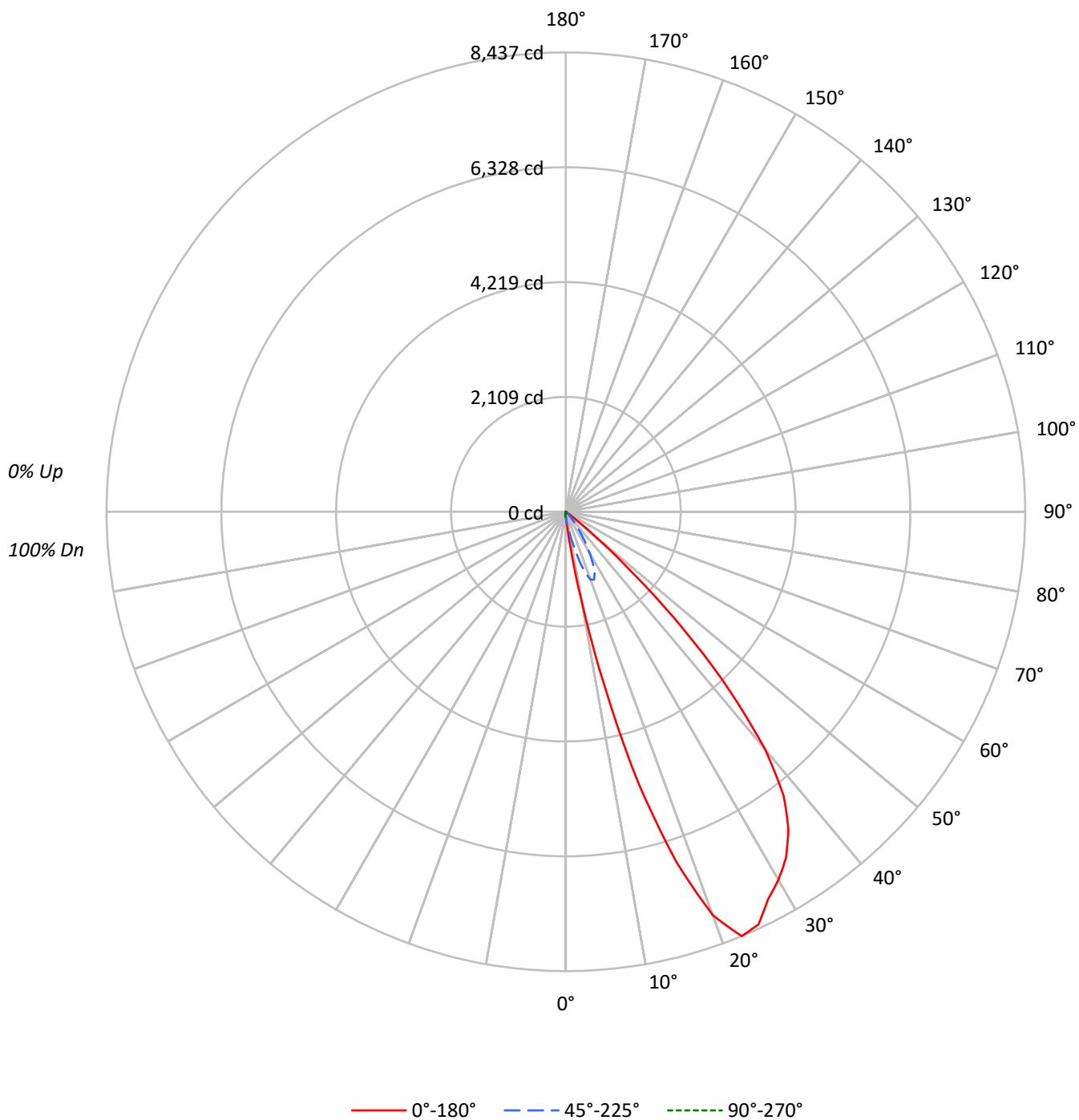
Lumens per Lamp: N/A
Luminaire Lumens: 1989.0 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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°	16275	16275	16275	16275	16275
5°	49012	32674	15404	6915	5653
10°	283829	69287	12084	3183	2221
15°	923227	157170	8433	642	321
20°	1444669	243170	5333	0	0
25°	1589402	237609	2755	0	0
30°	1552365	171323	1094	0	0
35°	1498290	97449	378	0	0
40°	1277723	41277	0	0	0
45°	749871	15490	438	0	438
50°	182113	2920	482	482	1474
55°	15824	0	1081	1651	2192
60°	620	0	1240	1894	3134
65°	734	734	2241	2241	3708
70°	906	906	2769	2769	3676
75°	0	1198	3660	3660	3660
80°	0	1785	5455	3570	3570
85°	0	3557	10868	3557	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 749871 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	0.9
10°-20°	273.4	13.7
20°-30°	694.7	34.9
30°-40°	692.4	34.8
40°-50°	280.5	14.1
50°-60°	19.4	1.0
60°-70°	4.4	0.2
70°-80°	4.4	0.2
80°-90°	2.5	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°	985.4	49.5
0°-40°	1677.8	84.4
0°-60°	1977.7	99.4
0°-90°	1989.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1989.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	94	94	94	94	94	
5°	284	189	89	40	33	66
15°	5178	882	47	4	2	1507
25°	8364	1250	14	0	0	3776
35°	7126	464	2	0	0	4368
45°	3079	64	2	0	2	2349
55°	53	0	4	6	7	138
65°	2	2	6	6	9	2
75°	0	2	6	6	6	1
85°	0	2	6	2	2	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°	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
2.5°	156.3	158.1	158.1	154.5	152.7	152.7	147.2	145.4	139.9	134.5	116.3
5°	283.5	278.1	270.8	270.8	254.4	245.4	232.6	218.1	207.2	189.0	134.5
7.5°	643.4	599.8	587.0	570.7	508.9	459.8	403.5	354.4	309.0	270.8	149.0
10°	1623.0	1537.6	1466.7	1323.1	1143.2	970.5	810.6	625.2	498.0	396.2	159.9
12.5°	3269.7	3155.2	3018.9	2757.1	2420.9	1990.2	1608.5	1201.4	843.3	583.4	163.6
15°	5178.0	4983.6	4770.9	4438.3	3887.6	3269.7	2580.8	1932.0	1354.0	881.5	159.9
17.5°	6733.8	6657.5	6343.0	5888.7	5214.4	4418.3	3569.6	2682.6	1826.6	1154.1	149.0
20°	7882.5	7829.7	7449.9	6966.4	6206.7	5294.3	4216.6	3151.5	2155.5	1326.8	132.7
22.5°	8436.8	8427.7	8153.3	7658.9	6853.8	5819.6	4632.8	3422.3	2257.3	1350.4	110.9
25°	8364.1	8396.8	8240.5	7873.4	7100.9	6035.9	4756.4	3422.3	2182.8	1250.4	92.7
27.5°	8033.3	8055.1	7957.0	7675.3	6955.5	5879.6	4583.7	3202.4	1966.5	1074.1	76.3
30°	7806.1	7815.2	7693.4	7391.7	6628.4	5523.4	4176.6	2795.3	1639.4	861.5	56.3
32.5°	7529.9	7528.0	7386.3	7041.0	6199.5	5023.5	3660.4	2310.0	1259.5	654.3	32.7
35°	7126.4	7080.9	6888.3	6490.3	5559.7	4351.1	3000.7	1759.3	906.9	463.5	20.0
37.5°	6572.0	6453.9	6181.3	5648.8	4661.9	3411.4	2224.6	1235.9	619.8	307.2	12.7
40°	5683.3	5557.9	5187.1	4540.1	3525.9	2455.4	1499.4	805.1	390.8	183.6	7.3
42.5°	4456.5	4371.1	3871.3	3226.0	2328.2	1566.7	901.5	476.2	219.9	105.4	1.8
45°	3078.8	2968.0	2575.4	2028.3	1397.7	868.8	505.3	249.0	125.4	63.6	0.0
47.5°	1699.4	1563.0	1335.9	1050.5	703.4	456.2	254.4	134.5	70.9	30.9	0.0
50°	679.7	674.3	536.2	381.7	269.0	207.2	127.2	72.7	36.3	10.9	1.8
52.5°	238.1	238.1	205.4	167.2	130.9	94.5	63.6	34.5	12.7	3.6	1.8
55°	52.7	58.2	54.5	50.9	49.1	41.8	27.3	12.7	3.6	0.0	1.8
57.5°	5.5	5.5	5.5	7.3	9.1	9.1	7.3	3.6	0.0	0.0	1.8
60°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	3.6
62.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	1.8	1.8	3.6
65°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6
67.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.5
72.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.5
75°	0.0	0.0	1.8	1.8	0.0	1.8	1.8	1.8	1.8	1.8	5.5
77.5°	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	3.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	3.6
82.5°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	3.6
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°	94.5	94.5	94.5	94.5	94.5
2.5°	94.5	74.5	61.8	54.5	52.7
5°	89.1	56.3	40.0	34.5	32.7
7.5°	80.0	41.8	27.3	21.8	20.0
10°	69.1	30.9	18.2	12.7	12.7
12.5°	58.2	23.6	10.9	5.5	3.6
15°	47.3	14.5	3.6	1.8	1.8
17.5°	36.3	9.1	0.0	0.0	0.0
20°	29.1	3.6	0.0	0.0	0.0
22.5°	21.8	1.8	0.0	0.0	0.0
25°	14.5	0.0	0.0	0.0	0.0
27.5°	9.1	0.0	0.0	0.0	0.0
30°	5.5	0.0	0.0	0.0	0.0
32.5°	1.8	0.0	0.0	0.0	0.0
35°	1.8	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°	1.8	0.0	0.0	1.8	1.8
47.5°	1.8	1.8	1.8	3.6	3.6
50°	1.8	1.8	1.8	3.6	5.5
52.5°	3.6	1.8	3.6	5.5	5.5
55°	3.6	3.6	5.5	7.3	7.3
57.5°	3.6	3.6	5.5	7.3	7.3
60°	3.6	3.6	5.5	7.3	9.1
62.5°	5.5	5.5	5.5	7.3	7.3
65°	5.5	5.5	5.5	7.3	9.1
67.5°	5.5	5.5	5.5	7.3	9.1
70°	5.5	5.5	5.5	7.3	7.3
72.5°	7.3	5.5	5.5	7.3	7.3
75°	5.5	5.5	5.5	5.5	5.5
77.5°	5.5	5.5	3.6	5.5	5.5
80°	5.5	3.6	3.6	3.6	3.6
82.5°	5.5	3.6	3.6	3.6	3.6
85°	5.5	3.6	1.8	1.8	1.8
87.5°	5.5	3.6	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)