

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: P1307172

Luminaire Tested: P3SQAS20R259027D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259027D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

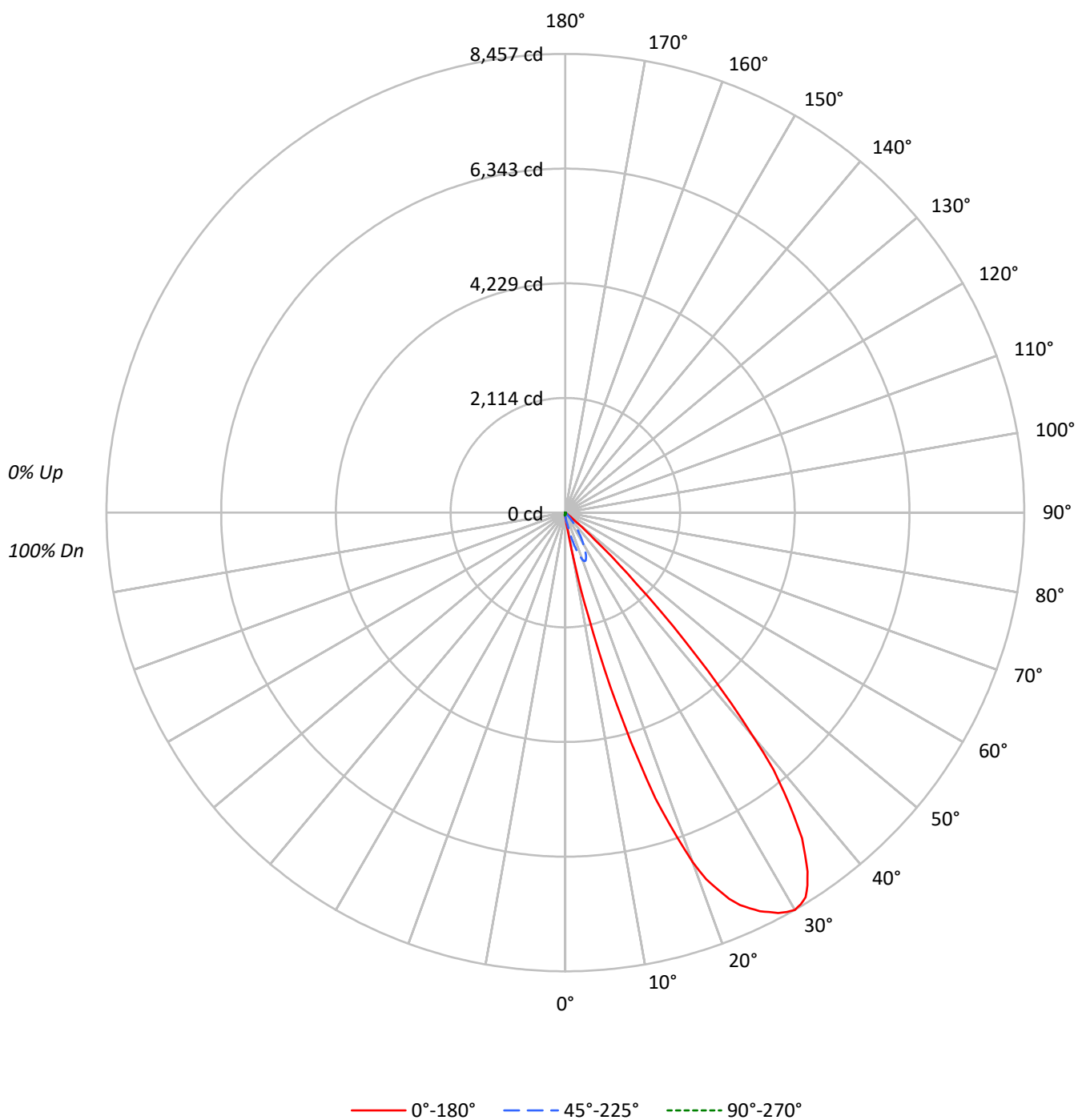
Lumens per Lamp: N/A
Luminaire Lumens: 1692.0 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12503	12503	12503	12503	12503
5°	31378	23201	11739	5999	4633
10°	137210	39470	9671	2763	1941
15°	652446	106390	6757	1123	838
20°	1255987	170410	4344	293	293
25°	1529639	171898	2394	0	0
30°	1681786	131550	935	0	0
35°	1620695	83635	336	0	0
40°	1210974	36196	0	0	360
45°	448320	9621	390	390	1145
50°	52863	1259	857	857	1688
55°	5225	0	961	1411	2372
60°	551	0	1619	2170	2721
65°	652	652	2567	3219	3871
70°	806	806	3172	3172	4784
75°	1065	1065	3127	3127	4192
80°	0	1587	4661	3174	4661
85°	0	3162	9287	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 448320 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	0.6
10°-20°	197.3	11.7
20°-30°	619.2	36.6
30°-40°	651.8	38.5
40°-50°	191.5	11.3
50°-60°	10.3	0.6
60°-70°	5.0	0.3
70°-80°	4.3	0.3
80°-90°	2.2	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°	827.0	48.9
0°-40°	1478.8	87.4
0°-60°	1680.5	99.3
0°-90°	1692.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1692.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	73	73	73	73	73	
5°	182	134	68	35	27	32
15°	3659	597	38	6	5	1153
25°	8050	905	13	0	0	3692
35°	7709	398	2	0	0	4652
45°	1841	40	2	2	5	1673
55°	17	0	3	5	8	44
65°	2	2	6	8	10	2
75°	2	2	5	5	6	1
85°	0	2	5	2	2	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
2.5°	112.1	113.7	108.9	112.1	108.9	107.3	105.8	97.9	85.2	72.6	60.0
5°	181.5	181.5	173.7	172.1	168.9	162.6	156.3	134.2	96.3	67.9	47.4
7.5°	284.2	282.6	279.4	271.5	255.7	240.0	224.2	175.2	105.8	63.1	36.3
10°	784.6	773.5	759.3	674.1	577.8	492.5	418.3	225.7	113.7	55.3	26.8
12.5°	1949.6	1886.5	1736.5	1566.0	1348.2	1119.3	895.1	367.8	116.8	45.8	18.9
15°	3659.3	3528.3	3294.7	2953.7	2508.5	2008.1	1581.8	596.7	113.7	37.9	14.2
17.5°	5525.3	5399.0	5075.4	4557.6	3902.4	3133.6	2379.0	790.9	105.8	31.6	9.5
20°	6853.0	6718.8	6415.7	5866.3	5157.5	4132.9	3132.1	929.8	99.5	23.7	4.7
21°	7241.3	7107.1	6786.6	6256.2	5511.1	4483.4	3373.6	953.5	94.7	20.5	3.2
22°	7487.6	7408.6	7064.5	6549.8	5790.5	4764.4	3580.4	964.6	91.6	18.9	3.2
23°	7735.4	7617.0	7295.0	6751.9	6003.6	4972.8	3733.5	956.7	88.4	15.8	1.6
24°	7918.5	7819.1	7444.9	6908.2	6152.0	5100.6	3823.5	936.1	83.7	14.2	1.6
25°	8049.6	7958.0	7568.1	7014.0	6251.5	5170.1	3851.9	904.6	78.9	12.6	1.6
26°	8174.3	8074.8	7670.7	7075.5	6303.6	5192.2	3825.1	869.8	74.2	11.1	0.0
27°	8264.3	8163.2	7741.7	7111.9	6306.7	5165.4	3752.5	822.5	69.5	9.5	0.0
28°	8360.6	8243.7	7790.7	7132.4	6287.8	5102.2	3648.3	772.0	66.3	7.9	0.0
29°	8419.0	8308.5	7841.2	7154.5	6248.3	4996.5	3496.7	712.0	58.4	4.7	0.0
30°	8456.9	8325.8	7836.5	7130.8	6196.2	4882.8	3315.2	661.5	50.5	4.7	0.0
31°	8425.3	8288.0	7785.9	7064.5	6112.6	4734.4	3128.9	598.3	41.0	3.2	0.0
32°	8357.4	8194.8	7697.5	6949.3	5962.6	4543.4	2936.3	546.2	30.0	3.2	0.0
33°	8191.7	8054.3	7538.1	6794.5	5766.8	4284.5	2685.3	495.7	20.5	1.6	0.0
34°	7983.3	7845.9	7320.2	6587.7	5504.8	3949.8	2380.6	443.6	17.4	1.6	0.0
35°	7708.6	7572.8	7074.0	6298.8	5157.5	3547.2	2066.5	397.8	14.2	1.6	0.0
36°	7419.7	7239.7	6763.0	5991.0	4691.8	3089.4	1730.2	345.7	11.1	1.6	0.0
37°	6995.0	6873.5	6344.6	5522.1	4188.2	2650.6	1485.5	298.4	7.9	1.6	0.0
38°	6554.6	6442.5	5926.3	5050.1	3626.2	2216.4	1244.0	252.6	6.3	0.0	0.0
39°	6099.9	5913.7	5403.7	4445.5	3037.3	1856.5	1046.6	211.5	3.2	0.0	0.0
40°	5386.4	5244.3	4699.7	3719.3	2513.2	1504.5	891.9	161.0	3.2	0.0	0.0
42.5°	3570.9	3438.3	2866.8	2017.5	1335.5	879.3	588.8	63.1	0.0	1.6	0.0
45°	1840.7	1757.0	1427.1	1056.1	757.8	539.9	378.9	39.5	0.0	1.6	1.6
47.5°	730.9	716.7	647.2	558.8	431.0	320.5	206.8	17.4	0.0	1.6	1.6
50°	197.3	198.9	186.3	172.1	156.3	146.8	86.8	4.7	0.0	3.2	1.6
52.5°	83.7	85.2	82.1	77.4	69.5	52.1	34.7	1.6	1.6	3.2	3.2
55°	17.4	18.9	20.5	22.1	25.3	22.1	14.2	0.0	1.6	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	4.7	4.7	3.2	0.0	1.6	3.2	4.7
60°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	3.2	4.7	4.7
62.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	4.7	6.3
65°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	6.3	6.3
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7	6.3	6.3
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7	6.3	6.3
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7	6.3	4.7
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7	4.7	4.7
77.5°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.2	4.7	4.7
80°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.2	4.7	3.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	4.7	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.7	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.7	3.2
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):

	135°	157.5°	180°
0°	72.6	72.6	72.6
2.5°	50.5	45.8	44.2
5°	34.7	30.0	26.8
7.5°	23.7	18.9	17.4
10°	15.8	12.6	11.1
12.5°	11.1	6.3	6.3
15°	6.3	4.7	4.7
17.5°	3.2	1.6	1.6
20°	1.6	1.6	1.6
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	1.6
39°	0.0	1.6	1.6
40°	0.0	1.6	1.6
42.5°	0.0	1.6	3.2
45°	1.6	3.2	4.7
47.5°	3.2	4.7	6.3
50°	3.2	6.3	6.3
52.5°	4.7	6.3	7.9
55°	4.7	7.9	7.9
57.5°	6.3	7.9	9.5
60°	6.3	7.9	7.9
62.5°	6.3	9.5	9.5
65°	7.9	9.5	9.5
67.5°	7.9	9.5	9.5
70°	6.3	7.9	9.5
72.5°	6.3	7.9	7.9
75°	4.7	6.3	6.3
77.5°	4.7	4.7	6.3
80°	3.2	4.7	4.7

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	3.2	3.2	3.2
85°	1.6	1.6	1.6
87.5°	1.6	1.6	1.6
90°	0.0	0.0	0.0

(END OF REPORT)