

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: P1312564

Luminaire Tested: P3SQAS17R259727DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312564
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: P3SQAS17R259727DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

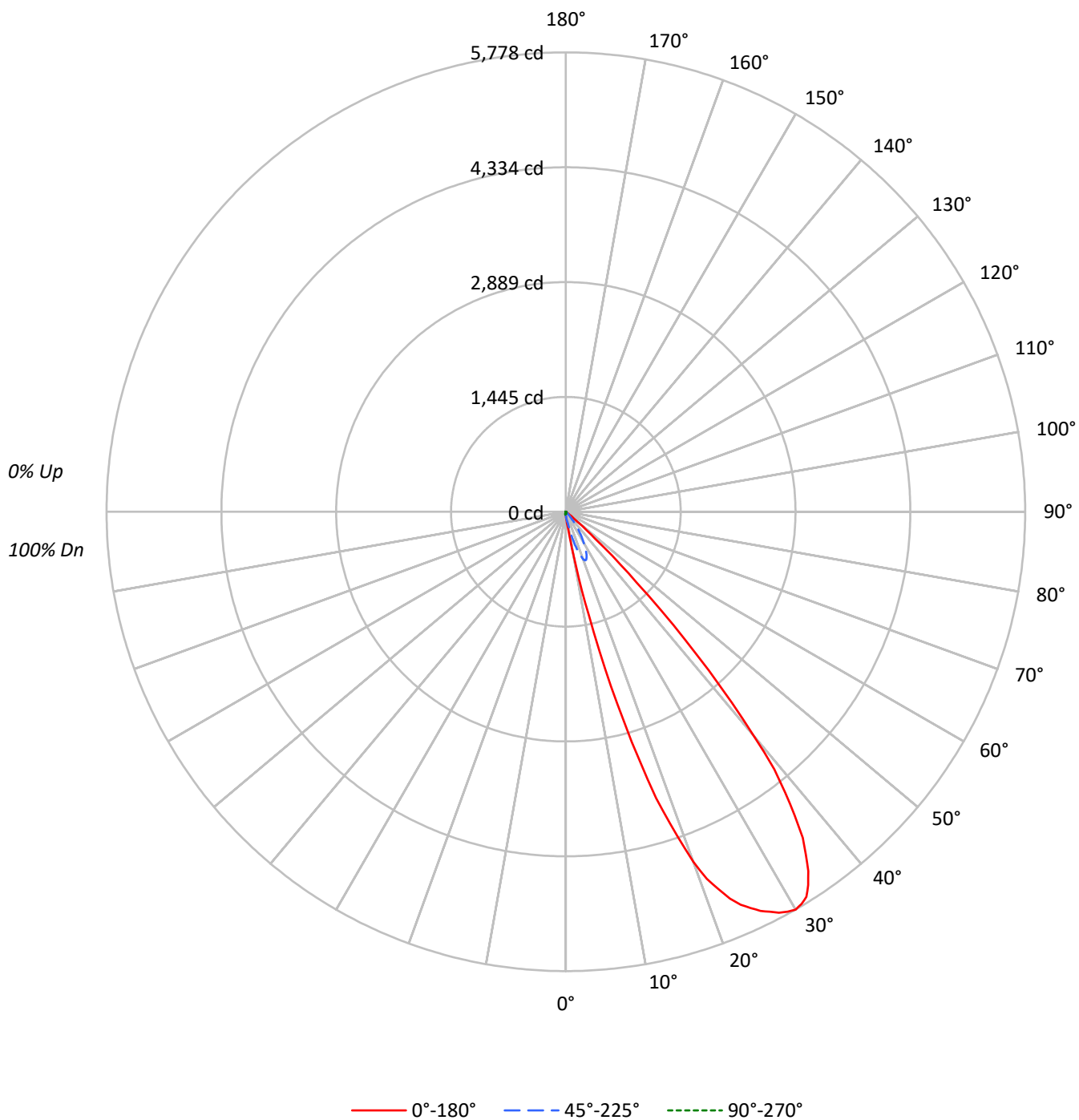
Lumens per Lamp: N/A
Luminaire Lumens: 1156.0 lumens
Efficiency: N/A
Efficacy: 54.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	8542	8542	8542	8542	8542
5°	21437	15853	8022	4097	3164
10°	93735	26966	6593	1889	1312
15°	445763	72692	4618	767	571
20°	858096	116435	2969	202	202
25°	1045071	117436	1634	0	0
30°	1149025	89867	636	0	0
35°	1107276	57145	231	0	0
40°	827363	24730	0	0	247
45°	306301	6576	268	268	779
50°	36117	857	589	589	1152
55°	3573	0	661	961	1621
60°	379	0	1102	1481	1860
65°	448	448	1752	2201	2649
70°	554	554	2165	2165	3273
75°	732	732	2129	2129	2861
80°	0	1091	3174	2182	3174
85°	0	2174	6323	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 306301 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.6
10°-20°	134.8	11.7
20°-30°	423.0	36.6
30°-40°	445.3	38.5
40°-50°	130.8	11.3
50°-60°	7.0	0.6
60°-70°	3.4	0.3
70°-80°	2.9	0.3
80°-90°	1.5	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°	565.0	48.9
0°-40°	1010.3	87.4
0°-60°	1148.2	99.3
0°-90°	1156.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1156.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	50	50	50	50	50	
5°	124	92	46	24	18	22
15°	2500	408	26	4	3	788
25°	5500	618	9	0	0	2522
35°	5267	272	1	0	0	3178
45°	1258	27	1	1	3	1143
55°	12	0	2	3	5	30
65°	1	1	4	5	6	1
75°	1	1	3	3	4	1
85°	0	1	3	1	1	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°	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
2.5°	76.6	77.7	74.4	76.6	74.4	73.3	72.3	66.9	58.2	49.6	41.0
5°	124.0	124.0	118.6	117.6	115.4	111.1	106.8	91.7	65.8	46.4	32.4
7.5°	194.1	193.1	190.9	185.5	174.7	163.9	153.2	119.7	72.3	43.1	24.8
10°	536.0	528.5	518.8	460.5	394.8	336.5	285.8	154.2	77.7	37.7	18.3
12.5°	1332.0	1288.9	1186.4	1069.9	921.1	764.7	611.5	251.3	79.8	31.3	12.9
15°	2500.1	2410.6	2251.0	2018.0	1713.8	1371.9	1080.7	407.7	77.7	25.9	9.7
17.5°	3775.0	3688.7	3467.6	3113.8	2666.2	2140.9	1625.4	540.4	72.3	21.6	6.5
20°	4682.0	4590.4	4383.3	4007.9	3523.7	2823.7	2139.9	635.3	67.9	16.2	3.2
21°	4947.4	4855.7	4636.7	4274.3	3765.3	3063.1	2304.9	651.5	64.7	14.0	2.2
22°	5115.6	5061.7	4826.6	4475.0	3956.2	3255.1	2446.2	659.0	62.6	12.9	2.2
23°	5285.0	5204.1	4984.0	4613.0	4101.8	3397.5	2550.8	653.6	60.4	10.8	1.1
24°	5410.1	5342.1	5086.5	4719.8	4203.2	3484.8	2612.3	639.6	57.2	9.7	1.1
25°	5499.6	5437.0	5170.6	4792.1	4271.1	3532.3	2631.7	618.0	53.9	8.6	1.1
26°	5584.8	5516.8	5240.7	4834.1	4306.7	3547.4	2613.4	594.3	50.7	7.5	0.0
27°	5646.3	5577.2	5289.3	4858.9	4308.9	3529.1	2563.7	561.9	47.5	6.5	0.0
28°	5712.1	5632.3	5322.7	4872.9	4295.9	3485.9	2492.6	527.4	45.3	5.4	0.0
29°	5752.0	5676.5	5357.2	4888.0	4269.0	3413.7	2389.0	486.4	39.9	3.2	0.0
30°	5777.9	5688.3	5354.0	4871.9	4233.4	3336.0	2265.0	451.9	34.5	3.2	0.0
31°	5756.3	5662.5	5319.5	4826.6	4176.2	3234.6	2137.7	408.8	28.0	2.2	0.0
32°	5709.9	5598.8	5259.1	4747.8	4073.7	3104.1	2006.1	373.2	20.5	2.2	0.0
33°	5596.7	5502.8	5150.1	4642.1	3940.0	2927.2	1834.6	338.7	14.0	1.1	0.0
34°	5454.3	5360.5	5001.3	4500.8	3760.9	2698.6	1626.5	303.1	11.9	1.1	0.0
35°	5266.6	5173.9	4833.0	4303.5	3523.7	2423.5	1411.8	271.8	9.7	1.1	0.0
36°	5069.2	4946.3	4620.6	4093.1	3205.5	2110.7	1182.1	236.2	7.5	1.1	0.0
37°	4779.1	4696.1	4334.7	3772.8	2861.4	1810.9	1014.9	203.8	5.4	1.1	0.0
38°	4478.2	4401.6	4048.9	3450.3	2477.5	1514.3	849.9	172.6	4.3	0.0	0.0
39°	4167.6	4040.3	3691.9	3037.2	2075.2	1268.4	715.1	144.5	2.2	0.0	0.0
40°	3680.1	3583.0	3210.9	2541.1	1717.1	1027.9	609.4	110.0	2.2	0.0	0.0
42.5°	2439.7	2349.1	1958.7	1378.4	912.5	600.8	402.3	43.1	0.0	1.1	0.0
45°	1257.6	1200.4	975.0	721.6	517.7	368.9	258.9	27.0	0.0	1.1	1.1
47.5°	499.4	489.7	442.2	381.8	294.4	218.9	141.3	11.9	0.0	1.1	1.1
50°	134.8	135.9	127.3	117.6	106.8	100.3	59.3	3.2	0.0	2.2	1.1
52.5°	57.2	58.2	56.1	52.8	47.5	35.6	23.7	1.1	1.1	2.2	2.2
55°	11.9	12.9	14.0	15.1	17.3	15.1	9.7	0.0	1.1	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	3.2	3.2	2.2	0.0	1.1	2.2	3.2
60°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	2.2	3.2	3.2
62.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.2	4.3
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	4.3	4.3
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2	4.3	4.3
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2	4.3	4.3
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2	4.3	3.2
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2	3.2	3.2
77.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.2	3.2	3.2
80°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.2	3.2	2.2



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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	1.1	1.1	2.2	3.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.2	2.2
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°	49.6	49.6	49.6
2.5°	34.5	31.3	30.2
5°	23.7	20.5	18.3
7.5°	16.2	12.9	11.9
10°	10.8	8.6	7.5
12.5°	7.5	4.3	4.3
15°	4.3	3.2	3.2
17.5°	2.2	1.1	1.1
20°	1.1	1.1	1.1
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	1.1
39°	0.0	1.1	1.1
40°	0.0	1.1	1.1
42.5°	0.0	1.1	2.2
45°	1.1	2.2	3.2
47.5°	2.2	3.2	4.3
50°	2.2	4.3	4.3
52.5°	3.2	4.3	5.4
55°	3.2	5.4	5.4
57.5°	4.3	5.4	6.5
60°	4.3	5.4	5.4
62.5°	4.3	6.5	6.5
65°	5.4	6.5	6.5
67.5°	5.4	6.5	6.5
70°	4.3	5.4	6.5
72.5°	4.3	5.4	5.4
75°	3.2	4.3	4.3
77.5°	3.2	3.2	4.3
80°	2.2	3.2	3.2

TEST NUMBER: P1312564

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	2.2	2.2	2.2
85°	1.1	1.1	1.1
87.5°	1.1	1.1	1.1
90°	0.0	0.0	0.0

(END OF REPORT)