

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: P1342525

Luminaire Tested: P3A09R409827DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1342525
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R409827DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

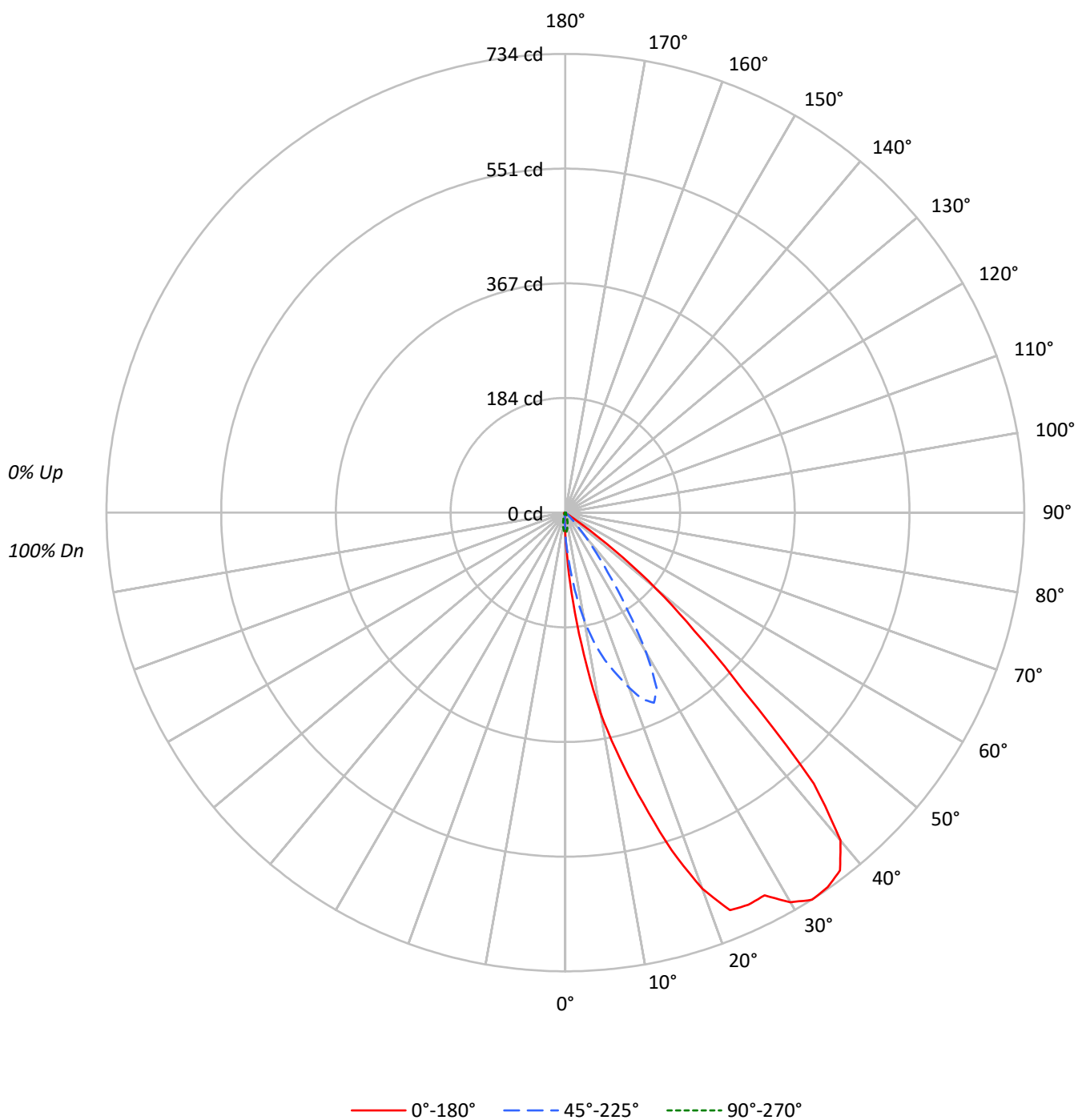
Lumens per Lamp: N/A
Luminaire Lumens: 271.0 lumens
Efficiency: N/A
Efficacy: 24.6 lumens/watt
Spacing Criteria (0/90/45): 2.52 / 0.41 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54		
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7039	7039	7039	7039	7039
5°	31719	20207	6295	2421	1761
10°	72722	39055	4431	868	668
15°	109149	55437	2747	477	409
20°	149440	69493	1610	257	327
25°	167526	81198	823	218	266
30°	182231	65529	354	177	279
35°	195844	33542	134	241	375
40°	195910	13368	57	258	458
45°	125067	4466	155	434	651
50°	64919	546	239	546	785
55°	5620	76	268	688	956
60°	219	88	307	789	1096
65°	259	104	467	830	1193
70°	128	128	577	898	1154
75°	169	169	593	932	1356
80°	253	253	884	884	1137
85°	0	503	1761	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 125067 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	2.3
10°-20°	36.7	13.5
20°-30°	80.3	29.6
30°-40°	91.5	33.8
40°-50°	48.3	17.8
50°-60°	5.7	2.1
60°-70°	1.0	0.4
70°-80°	0.8	0.3
80°-90°	0.4	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°	123.3	45.5
0°-40°	214.8	79.3
0°-60°	268.8	99.2
0°-90°	271.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	271.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	32	32	32	32	32	
5°	144	92	29	11	8	19
15°	481	244	12	2	2	142
25°	692	336	3	1	1	319
35°	732	125	0	1	1	453
45°	403	14	0	1	2	325
55°	15	0	1	2	2	46
65°	0	0	1	2	2	0
75°	0	0	1	1	2	0
85°	0	0	1	0	0	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°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
2.5°	71.5	71.5	71.2	69.2	68.9	68.7	65.0	64.1	59.8	56.8	43.3
5°	144.1	140.9	140.6	137.0	130.8	122.5	117.3	108.8	100.6	91.8	53.4
7.5°	229.5	232.3	224.7	220.8	207.1	197.2	182.1	168.8	150.3	132.8	61.6
10°	326.6	321.8	314.2	306.7	291.8	274.2	251.7	228.1	201.3	175.4	66.2
12.5°	402.4	396.2	391.7	381.4	366.7	344.0	317.2	285.6	250.1	212.8	66.0
15°	480.8	474.6	464.3	455.1	433.4	407.9	378.8	337.2	293.6	244.2	61.2
17.5°	566.9	558.9	547.4	533.4	512.4	484.2	447.3	396.5	334.9	269.8	52.5
20°	640.4	635.6	624.1	607.7	587.0	559.6	517.0	460.6	385.5	297.8	41.7
22.5°	688.5	684.2	676.4	661.9	646.4	617.0	578.1	516.3	427.9	323.2	31.6
25°	692.4	690.6	688.5	683.7	674.3	653.5	615.4	548.8	454.2	335.6	23.4
27.5°	690.3	689.7	689.2	686.7	680.5	659.9	620.9	553.6	450.8	316.3	17.2
30°	719.7	717.6	716.5	708.2	691.9	660.1	609.3	527.7	400.6	258.8	12.4
32.5°	734.5	734.1	732.9	724.9	702.0	660.6	589.6	465.2	317.7	186.9	8.5
35°	731.6	729.3	725.2	710.3	678.4	626.4	525.9	371.5	229.3	125.3	5.5
37.5°	721.5	716.2	708.2	681.4	639.0	568.0	426.5	273.5	156.0	81.1	3.2
40°	684.4	677.3	664.7	631.9	576.3	468.2	315.4	184.8	102.4	46.7	0.9
42.5°	588.4	579.3	570.1	533.4	469.8	349.1	207.5	114.3	58.4	25.7	0.2
45°	403.3	391.9	379.3	352.7	301.7	211.4	123.5	64.4	30.2	14.4	0.2
47.5°	280.1	274.9	252.9	219.0	167.9	112.0	63.9	31.6	16.0	6.6	0.2
50°	190.3	184.4	158.7	126.0	89.3	53.6	29.3	15.8	7.1	1.6	0.2
52.5°	99.9	92.5	76.3	58.2	36.2	22.4	12.8	6.9	2.1	0.2	0.2
55°	14.7	13.5	11.0	8.9	8.0	6.2	3.7	1.6	0.2	0.2	0.5
57.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.5	0.2	0.2	0.2	0.5
60°	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.5
62.5°	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.5
65°	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.5
67.5°	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.5	0.7
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5
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°	32.1	32.1	32.1	32.1	32.1
2.5°	31.6	23.4	18.1	15.6	15.3
5°	28.6	16.7	11.0	8.5	8.0
7.5°	24.3	11.7	6.4	4.6	4.4
10°	19.9	8.0	3.9	3.2	3.0
12.5°	15.8	5.3	2.7	2.5	2.3
15°	12.1	3.4	2.1	1.8	1.8
17.5°	9.2	2.3	1.6	1.6	1.6
20°	6.9	1.6	1.1	1.4	1.4
22.5°	4.8	1.1	0.9	1.1	1.1
25°	3.4	0.9	0.9	1.1	1.1
27.5°	2.3	0.7	0.7	0.9	1.1
30°	1.4	0.5	0.7	0.9	1.1
32.5°	0.7	0.5	0.7	1.1	1.1
35°	0.5	0.7	0.9	1.1	1.4
37.5°	0.2	0.7	0.9	1.4	1.4
40°	0.2	0.7	0.9	1.4	1.6
42.5°	0.5	0.9	1.1	1.6	1.8
45°	0.5	0.9	1.4	1.8	2.1
47.5°	0.5	0.9	1.6	2.1	2.1
50°	0.7	1.1	1.6	2.1	2.3
52.5°	0.7	1.1	1.6	2.3	2.5
55°	0.7	1.1	1.8	2.3	2.5
57.5°	0.7	1.4	1.8	2.3	2.5
60°	0.7	1.1	1.8	2.3	2.5
62.5°	0.9	1.1	1.6	2.3	2.3
65°	0.9	1.1	1.6	2.3	2.3
67.5°	0.9	1.1	1.6	2.1	2.1
70°	0.9	1.1	1.4	1.8	1.8
72.5°	0.9	1.1	1.4	1.6	1.8
75°	0.7	0.9	1.1	1.4	1.6
77.5°	0.7	0.9	0.9	1.4	1.4
80°	0.7	0.7	0.7	0.9	0.9
82.5°	0.7	0.7	0.5	0.7	0.7
85°	0.7	0.5	0.5	0.5	0.5
87.5°	0.5	0.5	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)