

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: P1334473

Luminaire Tested: P3A02R209830DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334473
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-60)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R209830DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

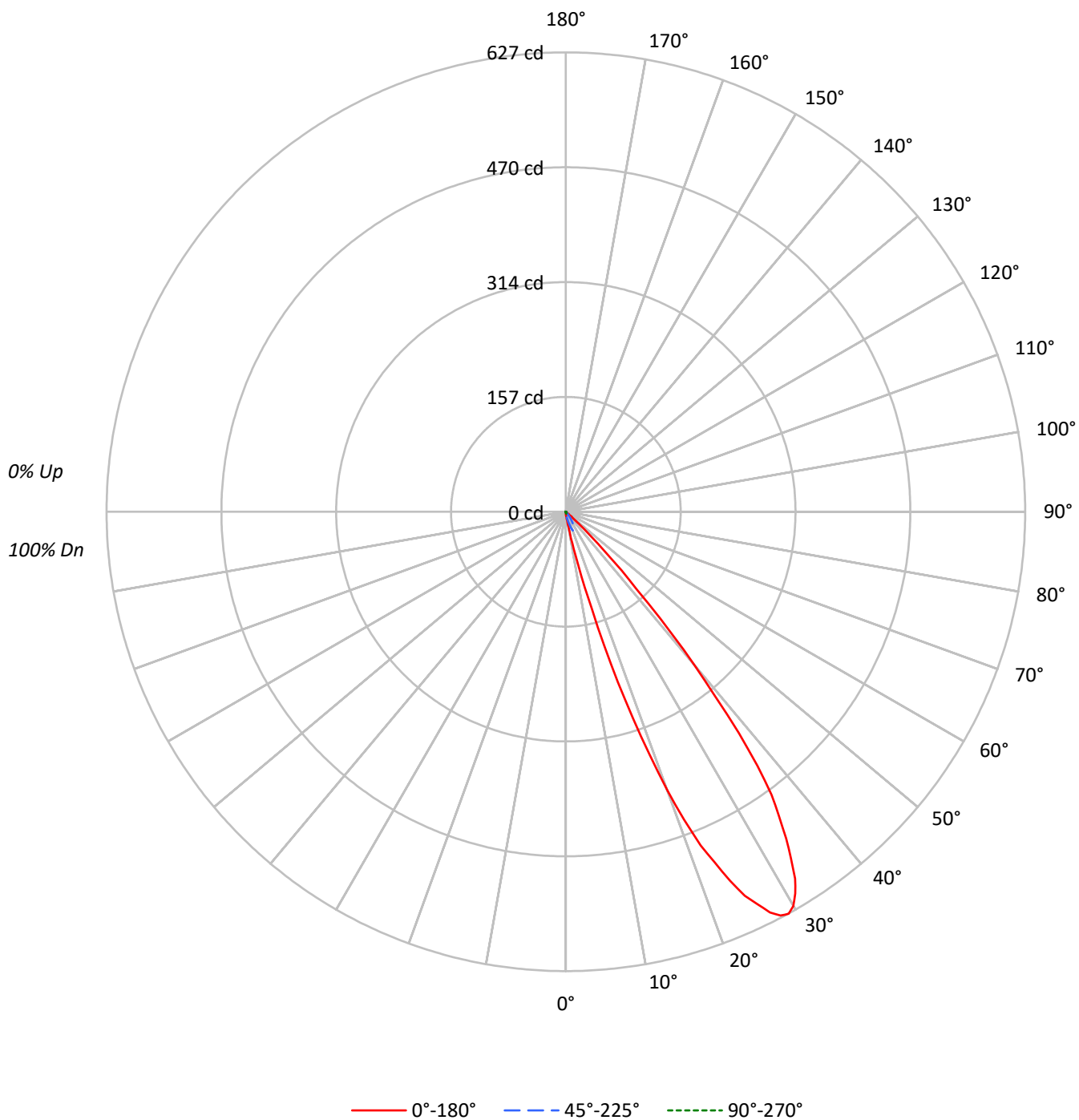
Lumens per Lamp: N/A
Luminaire Lumens: 88.0 lumens
Efficiency: N/A
Efficacy: 24.4 lumens/watt
Spacing Criteria (0/90/45): 2.3 / 0.55 / 1.19
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	70	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	658	658	658	658	658
5°	1519	1145	638	396	330
10°	4810	1982	512	223	156
15°	31215	3678	386	68	23
20°	94205	6301	257	0	0
25°	139895	6363	145	0	0
30°	157315	4836	51	0	0
35°	135720	2891	54	0	0
40°	78146	973	0	0	0
45°	19072	403	31	0	31
50°	2286	102	34	34	68
55°	306	0	76	76	115
60°	44	0	88	88	175
65°	52	52	156	156	259
70°	64	64	192	192	256
75°	0	85	254	169	254
80°	0	126	253	253	253
85°	0	252	503	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°

Vertical Angle: 45°

Luminance: 19196 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.5
10°-20°	8.2	9.3
20°-30°	35.5	40.4
30°-40°	35.8	40.7
40°-50°	7.2	8.2
50°-60°	0.4	0.4
60°-70°	0.2	0.3
70°-80°	0.2	0.2
80°-90°	0.1	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°	44.1	50.1
0°-40°	79.9	90.8
0°-60°	87.5	99.4
0°-90°	88.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	88.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3	3	3	3	3	
5°	7	5	3	2	2	1
15°	138	16	2	0	0	54
25°	578	26	1	0	0	261
35°	507	11	0	0	0	302
45°	62	1	0	0	0	67
55°	1	0	0	0	0	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	4.6	4.6	4.5	4.5	4.4	4.5	4.3	4.4	4.4	4.3	3.9
5°	6.9	7.1	7.0	7.0	6.9	7.0	6.9	6.7	6.5	6.5	5.2
7.5°	11.4	11.3	11.2	11.3	11.0	10.9	10.7	10.6	10.1	9.9	6.8
10°	21.6	22.1	21.7	21.6	20.2	20.1	19.2	17.8	16.6	16.0	8.9
12.5°	59.6	62.1	58.1	56.2	55.1	50.8	48.9	44.2	39.7	36.2	11.3
15°	137.5	143.8	135.7	136.3	129.6	117.3	106.5	97.2	86.3	75.3	16.2
17.5°	269.4	264.3	259.9	252.4	238.8	220.7	197.5	174.0	153.6	132.3	22.6
20°	403.7	399.1	389.1	372.9	355.5	328.8	301.1	265.8	231.5	199.4	27.0
21°	449.9	448.4	432.0	422.0	395.2	369.6	337.8	299.9	261.4	223.4	27.7
22°	491.2	482.1	473.3	458.5	431.8	404.1	368.6	328.8	286.9	244.7	27.8
23°	519.7	515.6	507.3	490.6	464.1	431.4	394.1	352.4	308.3	259.8	27.5
24°	551.4	546.1	533.9	514.5	487.7	455.5	412.8	371.5	323.6	272.5	26.9
25°	578.2	570.0	555.6	534.6	505.4	472.1	429.2	383.8	334.2	281.0	26.3
26°	595.6	591.1	572.7	549.8	518.5	484.2	440.5	393.2	341.1	284.9	25.2
27°	613.7	605.5	587.4	561.1	527.2	492.1	446.8	397.7	343.5	285.1	24.0
28°	624.1	615.1	594.6	567.0	532.8	496.5	450.5	399.2	343.0	282.6	22.4
29°	627.4	616.1	596.1	568.0	534.1	496.8	450.0	397.1	338.7	276.6	20.7
30°	621.3	609.8	590.8	563.4	529.8	492.8	444.8	390.2	331.2	267.9	19.1
31°	608.0	598.3	579.9	552.5	520.2	483.5	433.0	379.0	318.5	256.2	17.2
32°	590.6	581.0	562.9	538.1	505.3	468.2	417.0	361.4	303.5	238.8	15.4
33°	564.3	558.8	542.6	518.9	486.0	446.4	395.4	340.4	282.1	219.5	13.8
34°	537.7	530.8	519.4	493.5	458.2	418.7	367.3	311.4	256.0	197.8	12.3
35°	507.0	502.9	485.1	464.3	428.9	388.5	337.5	283.3	225.5	173.7	10.8
36°	477.3	471.0	450.7	428.7	394.3	350.6	300.3	249.3	199.3	151.1	9.2
37°	434.2	424.5	410.0	386.9	346.7	309.4	263.5	216.2	166.9	126.7	7.4
38°	383.5	379.0	358.9	335.6	302.3	267.1	221.5	181.5	137.7	105.8	5.7
39°	323.7	323.7	304.5	287.7	255.1	223.3	182.3	147.3	113.7	85.2	4.4
40°	273.0	263.6	251.8	230.6	205.7	178.7	142.7	115.3	88.2	68.7	3.4
42.5°	143.1	142.3	135.4	119.5	105.5	89.7	71.3	59.4	46.5	37.8	2.2
45°	61.5	61.9	57.1	54.7	49.3	42.6	36.0	30.0	25.7	20.8	1.3
47.5°	15.6	14.9	14.8	15.3	15.3	14.8	13.3	12.5	11.6	10.6	0.7
50°	6.7	6.5	6.4	6.4	6.0	5.7	5.3	4.9	4.5	4.0	0.3
52.5°	2.5	2.6	2.6	2.6	2.6	2.5	2.5	2.4	2.2	1.9	0.2
55°	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.0	1.0	0.9	0.0
57.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.0
60°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
62.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
72.5°	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	3.5	3.1	2.6	2.2	2.2	2.1
5°	3.9	2.9	2.2	1.8	1.6	1.5
7.5°	4.2	2.6	1.8	1.3	1.1	1.0
10°	4.4	2.3	1.4	1.0	0.7	0.7
12.5°	4.5	2.0	1.0	0.6	0.4	0.4
15°	4.4	1.7	0.8	0.3	0.1	0.1
17.5°	4.0	1.4	0.5	0.1	0.0	0.0
20°	3.4	1.1	0.3	0.0	0.0	0.0
21°	3.3	1.0	0.2	0.0	0.0	0.0
22°	3.0	0.9	0.2	0.0	0.0	0.0
23°	2.8	0.8	0.2	0.0	0.0	0.0
24°	2.6	0.7	0.1	0.0	0.0	0.0
25°	2.4	0.6	0.1	0.0	0.0	0.0
26°	2.2	0.6	0.1	0.0	0.0	0.0
27°	2.0	0.5	0.0	0.0	0.0	0.0
28°	1.8	0.4	0.0	0.0	0.0	0.0
29°	1.6	0.3	0.0	0.0	0.0	0.0
30°	1.4	0.2	0.0	0.0	0.0	0.0
31°	1.1	0.2	0.0	0.0	0.0	0.0
32°	1.0	0.2	0.0	0.0	0.0	0.0
33°	0.8	0.2	0.0	0.0	0.0	0.0
34°	0.7	0.2	0.0	0.0	0.0	0.0
35°	0.6	0.2	0.0	0.0	0.0	0.0
36°	0.5	0.1	0.0	0.0	0.0	0.0
37°	0.4	0.1	0.0	0.0	0.0	0.0
38°	0.3	0.1	0.0	0.0	0.0	0.0
39°	0.2	0.0	0.0	0.0	0.0	0.0
40°	0.2	0.0	0.0	0.0	0.0	0.0
42.5°	0.1	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.1	0.0	0.0	0.1	0.1
47.5°	0.0	0.1	0.0	0.0	0.1	0.2
50°	0.0	0.1	0.1	0.1	0.2	0.2
52.5°	0.0	0.2	0.1	0.1	0.2	0.2
55°	0.1	0.2	0.1	0.2	0.3	0.3
57.5°	0.1	0.2	0.2	0.2	0.3	0.4
60°	0.2	0.2	0.2	0.2	0.4	0.4
62.5°	0.2	0.2	0.3	0.3	0.4	0.5
65°	0.2	0.3	0.3	0.3	0.4	0.5
67.5°	0.2	0.3	0.3	0.3	0.4	0.5
70°	0.2	0.3	0.3	0.3	0.4	0.4
72.5°	0.2	0.3	0.2	0.3	0.3	0.4
75°	0.2	0.3	0.2	0.2	0.3	0.3
77.5°	0.2	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.2



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.2	0.2	0.2	0.1	0.2	0.2
85°	0.2	0.2	0.2	0.1	0.1	0.1
87.5°	0.2	0.2	0.2	0.1	0.0	0.1
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)