

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: P1334797

Luminaire Tested: P3A02R259830DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R259830DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

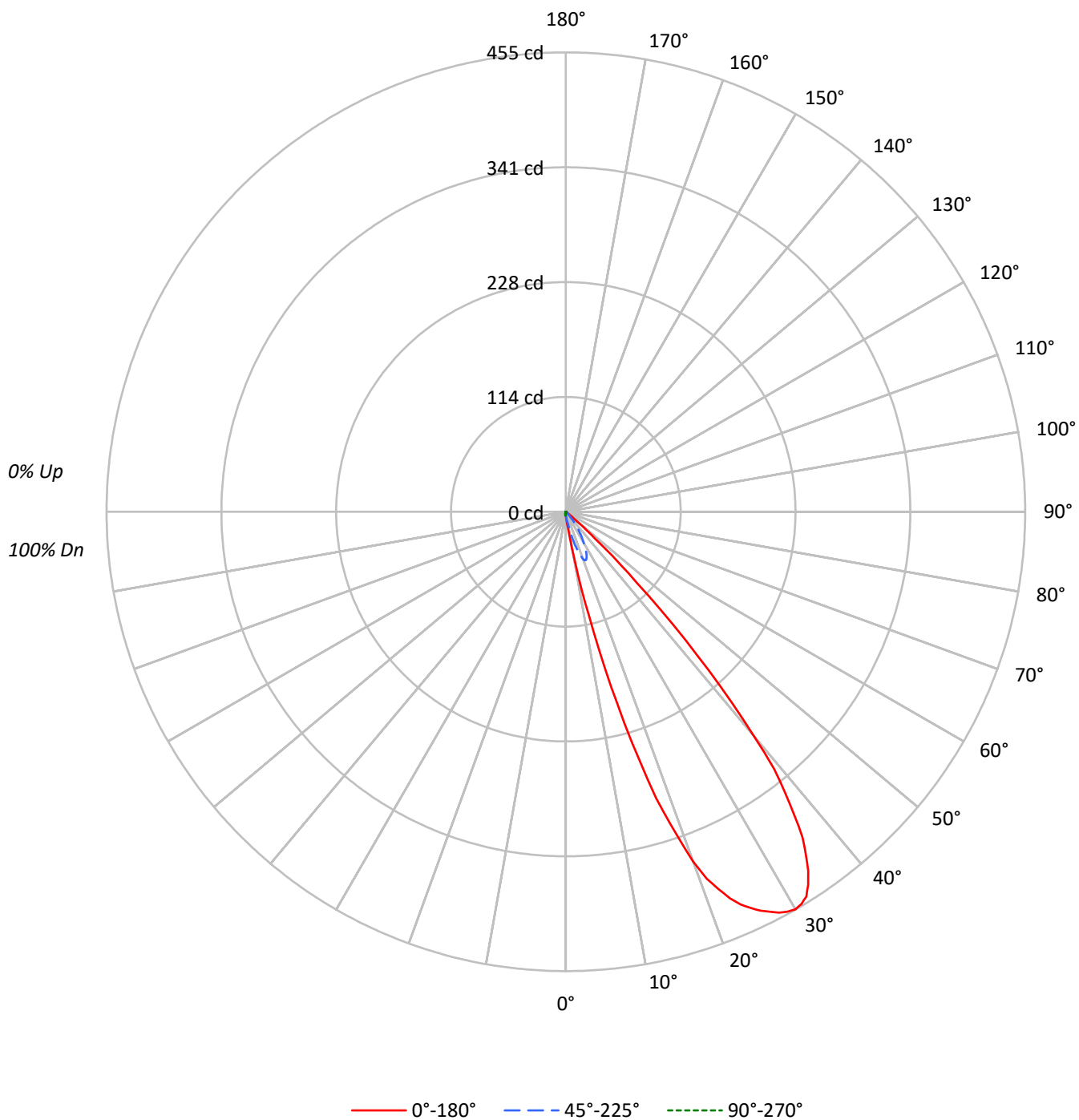
Lumens per Lamp: N/A
Luminaire Lumens: 91.1 lumens
Efficiency: N/A
Efficacy: 25.3 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				0
RW	70	50	30	10	70	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
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	91	103	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	51
8	71	60	52	48	69	59	52	47	58	52	47	57	51	47	56	50	47
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	855	855	855	855	855
5°	2157	1585	814	418	308
10°	9396	2694	668	178	134
15°	44677	7287	454	68	68
20°	86014	11668	303	23	23
25°	104740	11783	169	0	0
30°	115157	9014	76	0	0
35°	110985	5729	27	0	0
40°	82927	2490	0	0	29
45°	30701	651	31	31	93
50°	3616	102	68	68	102
55°	344	0	76	115	153
60°	44	0	132	132	175
65°	52	52	156	208	259
70°	64	64	192	192	321
75°	85	85	254	254	254
80°	0	126	379	253	379
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30701 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.6
10°-20°	10.6	11.7
20°-30°	33.3	36.6
30°-40°	35.1	38.5
40°-50°	10.3	11.3
50°-60°	0.6	0.6
60°-70°	0.3	0.3
70°-80°	0.2	0.3
80°-90°	0.1	0.2
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°	44.5	48.8
0°-40°	79.5	87.3
0°-60°	90.4	99.3
0°-90°	91.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	91.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4	4	4	4	4	
5°	10	7	4	2	1	2
15°	197	32	2	0	0	62
25°	433	49	1	0	0	199
35°	415	21	0	0	0	250
45°	99	2	0	0	0	90
55°	1	0	0	0	0	2
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°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	6.0	6.1	5.9	6.0	5.9	5.8	5.7	5.3	4.6	3.9	3.2
5°	9.8	9.8	9.3	9.3	9.1	8.7	8.4	7.2	5.2	3.7	2.5
7.5°	15.3	15.2	15.0	14.6	13.8	12.9	12.1	9.4	5.7	3.4	2.0
10°	42.2	41.6	40.8	36.3	31.1	26.5	22.5	12.1	6.1	3.0	1.4
12.5°	104.9	101.5	93.4	84.2	72.5	60.2	48.1	19.8	6.3	2.5	1.0
15°	196.8	189.8	177.2	158.9	134.9	108.0	85.1	32.1	6.1	2.0	0.8
17.5°	297.2	290.4	273.0	245.1	209.9	168.5	128.0	42.5	5.7	1.7	0.5
20°	368.6	361.4	345.1	315.5	277.4	222.3	168.4	50.0	5.3	1.3	0.3
21°	389.5	382.2	365.0	336.5	296.4	241.1	181.4	51.3	5.1	1.1	0.2
22°	402.7	398.5	379.9	352.3	311.4	256.2	192.6	51.9	4.9	1.0	0.2
23°	416.0	409.7	392.3	363.1	322.9	267.4	200.8	51.5	4.8	0.8	0.1
24°	425.9	420.5	400.4	371.5	330.9	274.3	205.6	50.3	4.5	0.8	0.1
25°	432.9	428.0	407.0	377.2	336.2	278.1	207.2	48.7	4.2	0.7	0.1
26°	439.6	434.3	412.5	380.5	339.0	279.2	205.7	46.8	4.0	0.6	0.0
27°	444.5	439.0	416.4	382.5	339.2	277.8	201.8	44.2	3.7	0.5	0.0
28°	449.7	443.4	419.0	383.6	338.2	274.4	196.2	41.5	3.6	0.4	0.0
29°	452.8	446.9	421.7	384.8	336.1	268.7	188.1	38.3	3.1	0.3	0.0
30°	454.8	447.8	421.5	383.5	333.2	262.6	178.3	35.6	2.7	0.3	0.0
31°	453.1	445.7	418.7	379.9	328.7	254.6	168.3	32.2	2.2	0.2	0.0
32°	449.5	440.7	414.0	373.7	320.7	244.4	157.9	29.4	1.6	0.2	0.0
33°	440.6	433.2	405.4	365.4	310.2	230.4	144.4	26.7	1.1	0.1	0.0
34°	429.4	422.0	393.7	354.3	296.1	212.4	128.0	23.9	0.9	0.1	0.0
35°	414.6	407.3	380.5	338.8	277.4	190.8	111.1	21.4	0.8	0.1	0.0
36°	399.0	389.4	363.7	322.2	252.3	166.2	93.1	18.6	0.6	0.1	0.0
37°	376.2	369.7	341.2	297.0	225.3	142.6	79.9	16.0	0.4	0.1	0.0
38°	352.5	346.5	318.7	271.6	195.0	119.2	66.9	13.6	0.3	0.0	0.0
39°	328.1	318.1	290.6	239.1	163.4	99.8	56.3	11.4	0.2	0.0	0.0
40°	289.7	282.1	252.8	200.0	135.2	80.9	48.0	8.7	0.2	0.0	0.0
42.5°	192.1	184.9	154.2	108.5	71.8	47.3	31.7	3.4	0.0	0.1	0.0
45°	99.0	94.5	76.8	56.8	40.8	29.0	20.4	2.1	0.0	0.1	0.1
47.5°	39.3	38.5	34.8	30.1	23.2	17.2	11.1	0.9	0.0	0.1	0.1
50°	10.6	10.7	10.0	9.3	8.4	7.9	4.7	0.3	0.0	0.2	0.1
52.5°	4.5	4.6	4.4	4.2	3.7	2.8	1.9	0.1	0.1	0.2	0.2
55°	0.9	1.0	1.1	1.2	1.4	1.2	0.8	0.0	0.1	0.2	0.2
57.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.0	0.1	0.2	0.3
60°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.3	0.3
62.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.2



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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	0.1	0.1	0.2	0.3	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.2
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°	3.9	3.9	3.9
2.5°	2.7	2.5	2.4
5°	1.9	1.6	1.4
7.5°	1.3	1.0	0.9
10°	0.8	0.7	0.6
12.5°	0.6	0.3	0.3
15°	0.3	0.3	0.3
17.5°	0.2	0.1	0.1
20°	0.1	0.1	0.1
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	0.1
39°	0.0	0.1	0.1
40°	0.0	0.1	0.1
42.5°	0.0	0.1	0.2
45°	0.1	0.2	0.3
47.5°	0.2	0.3	0.3
50°	0.2	0.3	0.3
52.5°	0.3	0.3	0.4
55°	0.3	0.4	0.4
57.5°	0.3	0.4	0.5
60°	0.3	0.4	0.4
62.5°	0.3	0.5	0.5
65°	0.4	0.5	0.5
67.5°	0.4	0.5	0.5
70°	0.3	0.4	0.5
72.5°	0.3	0.4	0.4
75°	0.3	0.3	0.3
77.5°	0.3	0.3	0.3
80°	0.2	0.3	0.3

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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)