

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: P1334765

Luminaire Tested: P3A02R259740DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334765
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: P3A02R259740DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

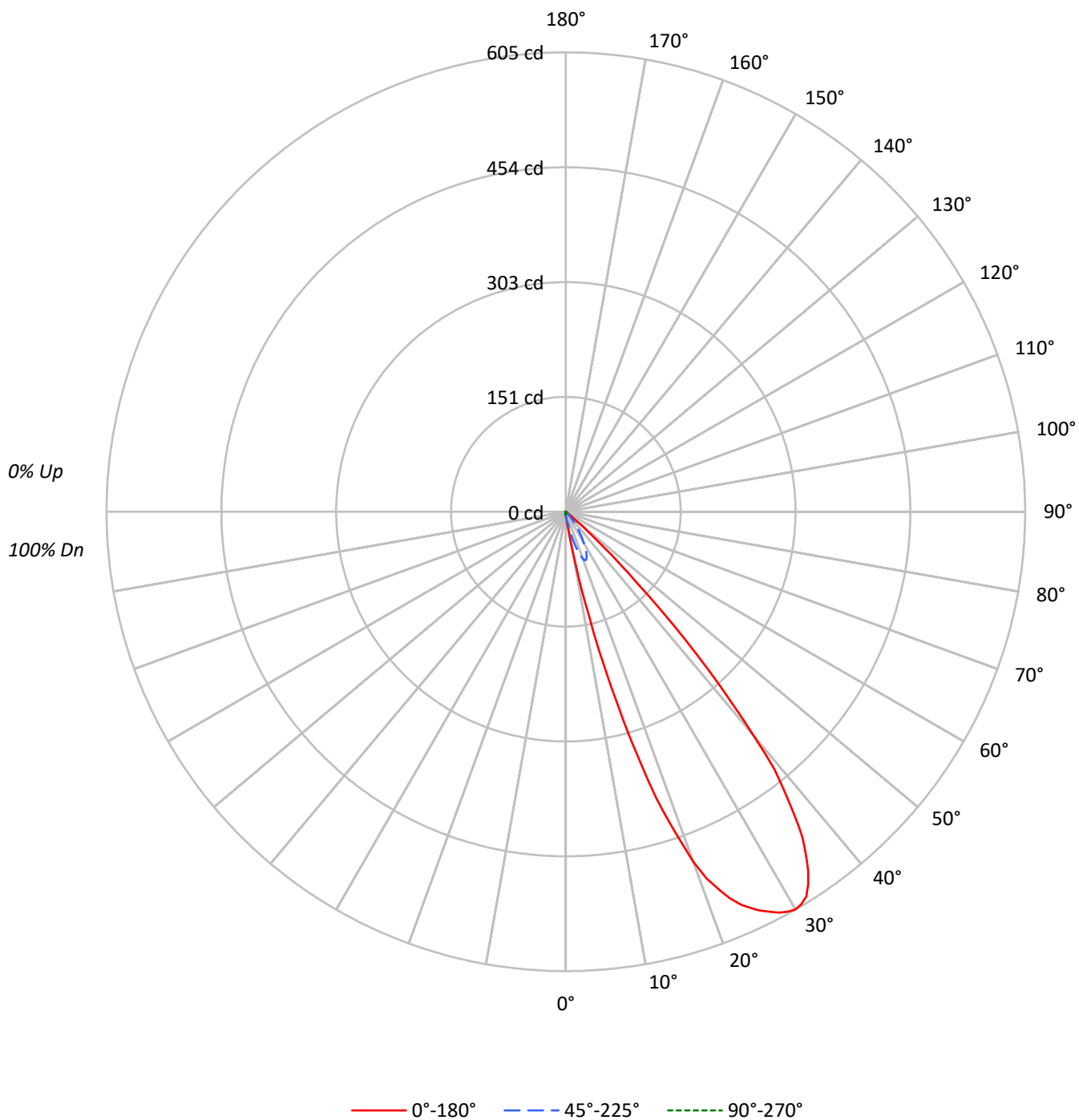
Lumens per Lamp: N/A
Luminaire Lumens: 121.0 lumens
Efficiency: N/A
Efficacy: 33.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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					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	95	92	104	98	94	91	95	92	88	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	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	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	42	42	42	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°	1140	1140	1140	1140	1140
5°	2862	2113	1079	550	418
10°	12491	3585	891	245	178
15°	59410	9694	613	114	68
20°	114367	15518	397	23	23
25°	139266	15654	218	0	0
30°	153137	11977	76	0	0
35°	147579	7602	27	0	0
40°	110264	3292	0	0	29
45°	40810	868	31	31	93
50°	4810	102	68	68	171
55°	459	0	76	115	229
60°	44	0	132	219	263
65°	52	52	259	311	363
70°	64	64	321	321	449
75°	85	85	254	254	424
80°	0	126	379	253	379
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 40810 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.6
10°-20°	14.1	11.7
20°-30°	44.3	36.6
30°-40°	46.6	38.5
40°-50°	13.7	11.3
50°-60°	0.7	0.6
60°-70°	0.4	0.3
70°-80°	0.3	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°	59.1	48.9
0°-40°	105.7	87.4
0°-60°	120.2	99.3
0°-90°	121.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	121.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5	5	5	5	5	
5°	13	10	5	2	2	2
15°	262	43	3	0	0	82
25°	576	65	1	0	0	264
35°	551	28	0	0	0	333
45°	132	3	0	0	0	120
55°	1	0	0	0	1	3
65°	0	0	0	1	1	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°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
2.5°	8.0	8.1	7.8	8.0	7.8	7.7	7.6	7.0	6.1	5.2	4.3
5°	13.0	13.0	12.4	12.3	12.1	11.6	11.2	9.6	6.9	4.9	3.4
7.5°	20.3	20.2	20.0	19.4	18.3	17.2	16.0	12.5	7.6	4.5	2.6
10°	56.1	55.3	54.3	48.2	41.3	35.2	29.9	16.1	8.1	4.0	1.9
12.5°	139.4	134.9	124.2	112.0	96.4	80.0	64.0	26.3	8.4	3.3	1.4
15°	261.7	252.3	235.6	211.2	179.4	143.6	113.1	42.7	8.1	2.7	1.0
17.5°	395.1	386.1	363.0	325.9	279.1	224.1	170.1	56.6	7.6	2.3	0.7
20°	490.1	480.5	458.8	419.5	368.8	295.6	224.0	66.5	7.1	1.7	0.3
21°	517.8	508.3	485.3	447.4	394.1	320.6	241.3	68.2	6.8	1.5	0.2
22°	535.5	529.8	505.2	468.4	414.1	340.7	256.0	69.0	6.5	1.4	0.2
23°	553.2	544.7	521.7	482.8	429.3	355.6	267.0	68.4	6.3	1.1	0.1
24°	566.3	559.2	532.4	494.0	439.9	364.8	273.4	66.9	6.0	1.0	0.1
25°	575.6	569.1	541.2	501.6	447.1	369.7	275.5	64.7	5.6	0.9	0.1
26°	584.6	577.5	548.6	506.0	450.8	371.3	273.5	62.2	5.3	0.8	0.0
27°	591.0	583.8	553.6	508.6	451.0	369.4	268.4	58.8	5.0	0.7	0.0
28°	597.9	589.5	557.1	510.1	449.7	364.9	260.9	55.2	4.7	0.6	0.0
29°	602.1	594.2	560.7	511.6	446.8	357.3	250.1	50.9	4.2	0.3	0.0
30°	604.8	595.4	560.4	509.9	443.1	349.2	237.1	47.3	3.6	0.3	0.0
31°	602.5	592.7	556.8	505.2	437.1	338.6	223.8	42.8	2.9	0.2	0.0
32°	597.7	586.0	550.5	497.0	426.4	324.9	210.0	39.1	2.1	0.2	0.0
33°	585.8	576.0	539.1	485.9	412.4	306.4	192.0	35.4	1.5	0.1	0.0
34°	570.9	561.1	523.5	471.1	393.7	282.5	170.2	31.7	1.2	0.1	0.0
35°	551.3	541.6	505.9	450.4	368.8	253.7	147.8	28.4	1.0	0.1	0.0
36°	530.6	517.7	483.6	428.4	335.5	220.9	123.7	24.7	0.8	0.1	0.0
37°	500.2	491.5	453.7	394.9	299.5	189.5	106.2	21.3	0.6	0.1	0.0
38°	468.7	460.7	423.8	361.1	259.3	158.5	89.0	18.1	0.5	0.0	0.0
39°	436.2	422.9	386.4	317.9	217.2	132.8	74.8	15.1	0.2	0.0	0.0
40°	385.2	375.0	336.1	266.0	179.7	107.6	63.8	11.5	0.2	0.0	0.0
42.5°	255.4	245.9	205.0	144.3	95.5	62.9	42.1	4.5	0.0	0.1	0.0
45°	131.6	125.7	102.1	75.5	54.2	38.6	27.1	2.8	0.0	0.1	0.1
47.5°	52.3	51.3	46.3	40.0	30.8	22.9	14.8	1.2	0.0	0.1	0.1
50°	14.1	14.2	13.3	12.3	11.2	10.5	6.2	0.3	0.0	0.2	0.1
52.5°	6.0	6.1	5.9	5.5	5.0	3.7	2.5	0.1	0.1	0.2	0.2
55°	1.2	1.4	1.5	1.6	1.8	1.6	1.0	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	0.5
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.5	0.5
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.5	0.5
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.5	0.5
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.5	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°	5.2	5.2	5.2
2.5°	3.6	3.3	3.2
5°	2.5	2.1	1.9
7.5°	1.7	1.4	1.2
10°	1.1	0.9	0.8
12.5°	0.8	0.5	0.5
15°	0.5	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	0.5
50°	0.2	0.5	0.5
52.5°	0.3	0.5	0.6
55°	0.3	0.6	0.6
57.5°	0.5	0.6	0.7
60°	0.5	0.6	0.6
62.5°	0.5	0.7	0.7
65°	0.6	0.7	0.7
67.5°	0.6	0.7	0.7
70°	0.5	0.6	0.7
72.5°	0.5	0.6	0.6
75°	0.3	0.5	0.5
77.5°	0.3	0.3	0.5
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)