

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: P1334829

Luminaire Tested: P3A02R259840DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334829
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: P3A02R259840DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

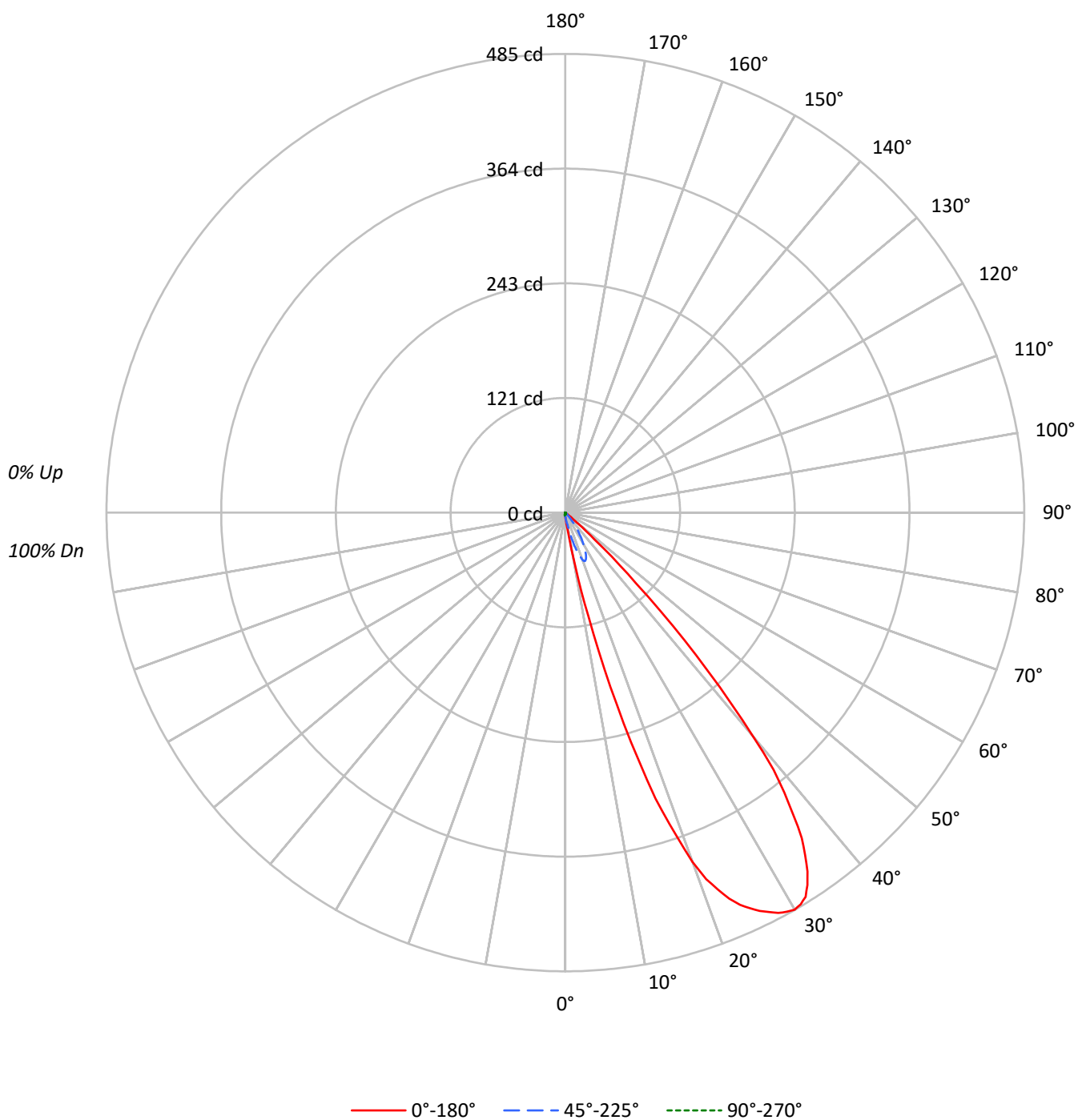
Lumens per Lamp: N/A
Luminaire Lumens: 97.1 lumens
Efficiency: N/A
Efficacy: 27.0 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	80	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°	921	921	921	921	921
5°	2289	1695	858	440	330
10°	10020	2872	713	200	134
15°	47628	7764	499	91	68
20°	91685	12438	327	23	23
25°	111660	12557	169	0	0
30°	122753	9596	76	0	0
35°	118293	6103	27	0	0
40°	88394	2634	0	0	29
45°	32717	713	31	31	93
50°	3855	102	68	68	136
55°	382	0	76	115	191
60°	44	0	132	175	219
65°	52	52	208	259	259
70°	64	64	256	256	321
75°	85	85	254	254	339
80°	0	126	379	253	379
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32717 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.6
10°-20°	11.3	11.6
20°-30°	35.5	36.6
30°-40°	37.4	38.5
40°-50°	11.0	11.3
50°-60°	0.6	0.6
60°-70°	0.3	0.3
70°-80°	0.3	0.3
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°	47.4	48.8
0°-40°	84.8	87.3
0°-60°	96.4	99.3
0°-90°	97.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	97.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4	4	4	4	4	
5°	10	8	4	2	2	2
15°	210	34	2	0	0	66
25°	462	52	1	0	0	212
35°	442	23	0	0	0	267
45°	106	2	0	0	0	96
55°	1	0	0	0	0	3
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°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2.5°	6.4	6.5	6.2	6.4	6.2	6.2	6.1	5.6	4.9	4.2	3.4
5°	10.4	10.4	10.0	9.9	9.7	9.3	9.0	7.7	5.5	3.9	2.7
7.5°	16.3	16.2	16.0	15.6	14.7	13.8	12.9	10.0	6.1	3.6	2.1
10°	45.0	44.3	43.5	38.6	33.1	28.2	24.0	12.9	6.5	3.2	1.5
12.5°	111.8	108.2	99.6	89.8	77.3	64.2	51.3	21.1	6.7	2.6	1.1
15°	209.8	202.3	188.9	169.3	143.8	115.1	90.7	34.2	6.5	2.2	0.8
17.5°	316.8	309.5	291.0	261.3	223.7	179.6	136.4	45.3	6.1	1.8	0.5
20°	392.9	385.2	367.8	336.3	295.7	236.9	179.6	53.3	5.7	1.4	0.3
21°	415.1	407.4	389.1	358.7	315.9	257.0	193.4	54.7	5.4	1.2	0.2
22°	429.3	424.7	405.0	375.5	332.0	273.1	205.3	55.3	5.2	1.1	0.2
23°	443.5	436.7	418.2	387.1	344.2	285.1	214.0	54.8	5.1	0.9	0.1
24°	454.0	448.3	426.8	396.0	352.7	292.4	219.2	53.7	4.8	0.8	0.1
25°	461.5	456.2	433.9	402.1	358.4	296.4	220.8	51.9	4.5	0.7	0.1
26°	468.6	462.9	439.8	405.6	361.4	297.7	219.3	49.9	4.3	0.6	0.0
27°	473.8	468.0	443.8	407.7	361.6	296.1	215.1	47.2	4.0	0.5	0.0
28°	479.3	472.6	446.6	408.9	360.5	292.5	209.2	44.3	3.8	0.5	0.0
29°	482.6	476.3	449.5	410.2	358.2	286.4	200.5	40.8	3.3	0.3	0.0
30°	484.8	477.3	449.3	408.8	355.2	279.9	190.1	37.9	2.9	0.3	0.0
31°	483.0	475.1	446.4	405.0	350.4	271.4	179.4	34.3	2.4	0.2	0.0
32°	479.1	469.8	441.3	398.4	341.8	260.5	168.3	31.3	1.7	0.2	0.0
33°	469.6	461.7	432.1	389.5	330.6	245.6	153.9	28.4	1.2	0.1	0.0
34°	457.7	449.8	419.7	377.7	315.6	226.4	136.5	25.4	1.0	0.1	0.0
35°	441.9	434.1	405.5	361.1	295.7	203.4	118.5	22.8	0.8	0.1	0.0
36°	425.4	415.0	387.7	343.5	269.0	177.1	99.2	19.8	0.6	0.1	0.0
37°	401.0	394.0	363.7	316.6	240.1	152.0	85.2	17.1	0.5	0.1	0.0
38°	375.8	369.3	339.7	289.5	207.9	127.1	71.3	14.5	0.4	0.0	0.0
39°	349.7	339.0	309.8	254.9	174.1	106.4	60.0	12.1	0.2	0.0	0.0
40°	308.8	300.6	269.4	213.2	144.1	86.2	51.1	9.2	0.2	0.0	0.0
42.5°	204.7	197.1	164.4	115.7	76.6	50.4	33.8	3.6	0.0	0.1	0.0
45°	105.5	100.7	81.8	60.5	43.4	31.0	21.7	2.3	0.0	0.1	0.1
47.5°	41.9	41.1	37.1	32.0	24.7	18.4	11.9	1.0	0.0	0.1	0.1
50°	11.3	11.4	10.7	9.9	9.0	8.4	5.0	0.3	0.0	0.2	0.1
52.5°	4.8	4.9	4.7	4.4	4.0	3.0	2.0	0.1	0.1	0.2	0.2
55°	1.0	1.1	1.2	1.3	1.4	1.3	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	0.4
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.4
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.4
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.4
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	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°	4.2	4.2	4.2
2.5°	2.9	2.6	2.5
5°	2.0	1.7	1.5
7.5°	1.4	1.1	1.0
10°	0.9	0.7	0.6
12.5°	0.6	0.4	0.4
15°	0.4	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	0.4
50°	0.2	0.4	0.4
52.5°	0.3	0.4	0.5
55°	0.3	0.5	0.5
57.5°	0.4	0.5	0.5
60°	0.4	0.5	0.5
62.5°	0.4	0.5	0.5
65°	0.5	0.5	0.5
67.5°	0.5	0.5	0.5
70°	0.4	0.5	0.5
72.5°	0.4	0.5	0.5
75°	0.3	0.4	0.4
77.5°	0.3	0.3	0.4
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)