

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: P1334733

Luminaire Tested: P3A02R259730DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334733
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: P3A02R259730DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

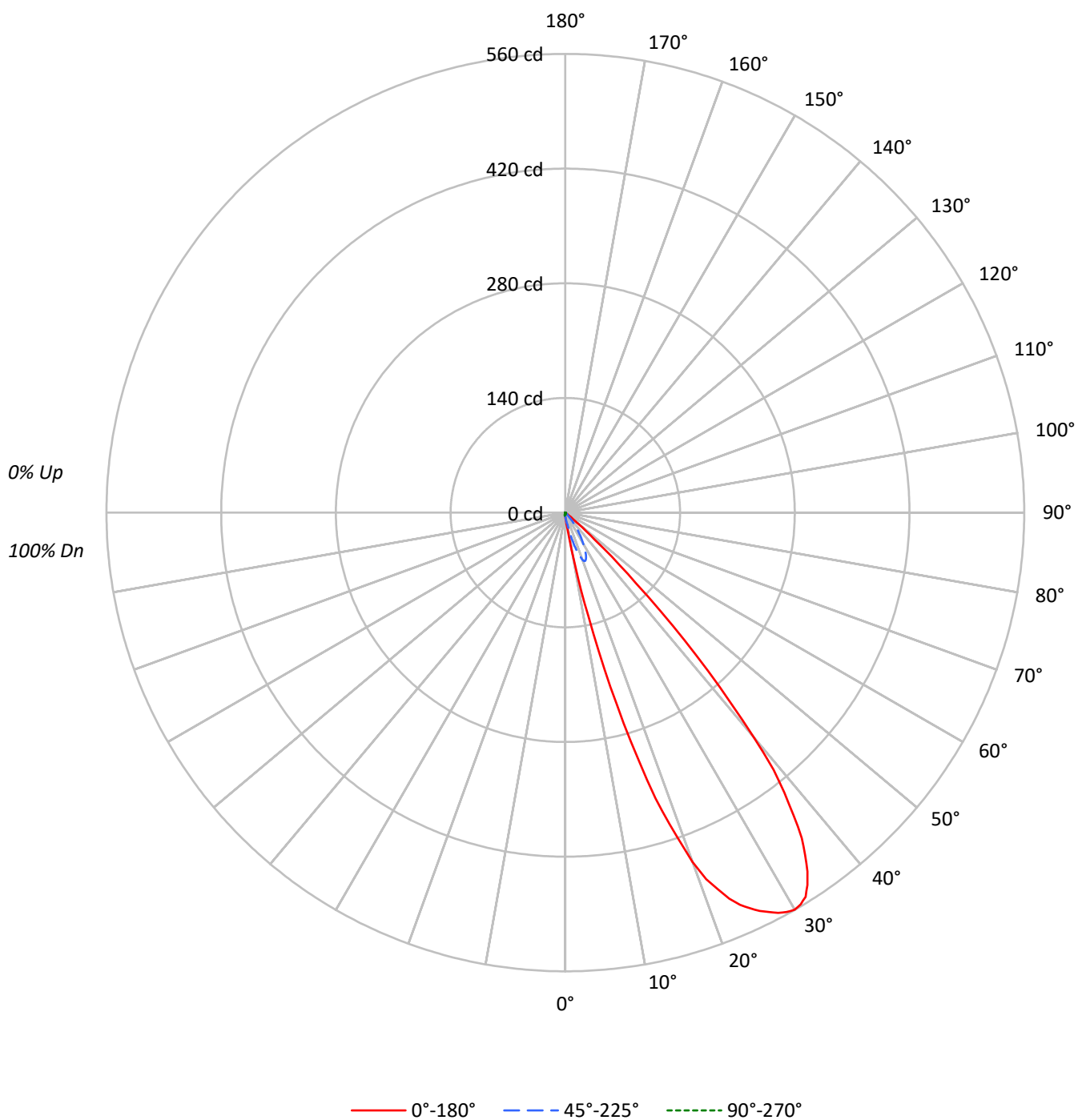
Lumens per Lamp: N/A
Luminaire Lumens: 111.9 lumens
Efficiency: N/A
Efficacy: 31.1 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	61	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°	1053	1053	1053	1053	1053
5°	2641	1959	991	506	396
10°	11556	3318	824	223	156
15°	54983	8967	568	91	68
20°	105849	14351	373	23	23
25°	128911	14493	194	0	0
30°	141743	11090	76	0	0
35°	136603	7040	27	0	0
40°	102048	3063	0	0	29
45°	37771	806	31	31	93
50°	4469	102	68	68	136
55°	421	0	76	115	191
60°	44	0	132	175	219
65°	52	52	208	259	311
70°	64	64	256	256	385
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: 37771 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.6
10°-20°	13.1	11.7
20°-30°	41.0	36.6
30°-40°	43.1	38.5
40°-50°	12.7	11.3
50°-60°	0.7	0.6
60°-70°	0.3	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°	54.7	48.9
0°-40°	97.9	87.4
0°-60°	111.2	99.3
0°-90°	111.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	111.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5	5	5	5	5	
5°	12	9	4	2	2	2
15°	242	40	2	0	0	76
25°	533	60	1	0	0	244
35°	510	26	0	0	0	308
45°	122	3	0	0	0	111
55°	1	0	0	0	0	3
65°	0	0	0	0	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°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
2.5°	7.4	7.5	7.2	7.4	7.2	7.1	7.0	6.5	5.6	4.8	4.0
5°	12.0	12.0	11.5	11.4	11.2	10.8	10.3	8.9	6.4	4.5	3.1
7.5°	18.8	18.7	18.5	18.0	16.9	15.9	14.8	11.6	7.0	4.2	2.4
10°	51.9	51.2	50.3	44.6	38.2	32.6	27.7	14.9	7.5	3.7	1.8
12.5°	129.1	124.9	114.9	103.7	89.2	74.1	59.3	24.3	7.7	3.0	1.3
15°	242.2	233.6	218.1	195.5	166.0	132.9	104.7	39.5	7.5	2.5	0.9
17.5°	365.7	357.4	336.0	301.7	258.3	207.4	157.5	52.4	7.0	2.1	0.6
20°	453.6	444.7	424.7	388.3	341.4	273.6	207.3	61.5	6.6	1.6	0.3
21°	479.3	470.4	449.2	414.1	364.8	296.8	223.3	63.1	6.3	1.4	0.2
22°	495.6	490.4	467.6	433.6	383.3	315.4	237.0	63.8	6.1	1.3	0.2
23°	512.0	504.2	482.9	446.9	397.4	329.2	247.1	63.3	5.9	1.0	0.1
24°	524.2	517.6	492.8	457.3	407.2	337.6	253.1	62.0	5.5	0.9	0.1
25°	532.8	526.8	501.0	464.3	413.8	342.2	255.0	59.9	5.2	0.8	0.1
26°	541.1	534.5	507.8	468.4	417.3	343.7	253.2	57.6	4.9	0.7	0.0
27°	547.0	540.4	512.5	470.8	417.5	341.9	248.4	54.4	4.6	0.6	0.0
28°	553.4	545.7	515.7	472.1	416.2	337.7	241.5	51.1	4.4	0.5	0.0
29°	557.3	550.0	519.0	473.6	413.6	330.7	231.5	47.1	3.9	0.3	0.0
30°	559.8	551.1	518.7	472.0	410.2	323.2	219.4	43.8	3.3	0.3	0.0
31°	557.7	548.6	515.4	467.6	404.6	313.4	207.1	39.6	2.7	0.2	0.0
32°	553.2	542.4	509.5	460.0	394.7	300.7	194.4	36.2	2.0	0.2	0.0
33°	542.2	533.1	499.0	449.8	381.7	283.6	177.8	32.8	1.4	0.1	0.0
34°	528.4	519.4	484.6	436.1	364.4	261.5	157.6	29.4	1.1	0.1	0.0
35°	510.3	501.3	468.3	416.9	341.4	234.8	136.8	26.3	0.9	0.1	0.0
36°	491.1	479.2	447.7	396.6	310.6	204.5	114.5	22.9	0.7	0.1	0.0
37°	463.0	455.0	420.0	365.5	277.2	175.5	98.3	19.8	0.5	0.1	0.0
38°	433.9	426.5	392.3	334.3	240.0	146.7	82.3	16.7	0.4	0.0	0.0
39°	403.8	391.4	357.7	294.3	201.1	122.9	69.3	14.0	0.2	0.0	0.0
40°	356.5	347.1	311.1	246.2	166.4	99.6	59.0	10.7	0.2	0.0	0.0
42.5°	236.4	227.6	189.8	133.5	88.4	58.2	39.0	4.2	0.0	0.1	0.0
45°	121.8	116.3	94.5	69.9	50.2	35.7	25.1	2.6	0.0	0.1	0.1
47.5°	48.4	47.4	42.8	37.0	28.5	21.2	13.7	1.1	0.0	0.1	0.1
50°	13.1	13.2	12.3	11.4	10.3	9.7	5.7	0.3	0.0	0.2	0.1
52.5°	5.5	5.6	5.4	5.1	4.6	3.4	2.3	0.1	0.1	0.2	0.2
55°	1.1	1.3	1.4	1.5	1.7	1.5	0.9	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°	4.8	4.8	4.8
2.5°	3.3	3.0	2.9
5°	2.3	2.0	1.8
7.5°	1.6	1.3	1.1
10°	1.0	0.8	0.7
12.5°	0.7	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	0.6
60°	0.4	0.5	0.5
62.5°	0.4	0.6	0.6
65°	0.5	0.6	0.6
67.5°	0.5	0.6	0.6
70°	0.4	0.5	0.6
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)