

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: P1334813

Luminaire Tested: P3A02R259835DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334813
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: P3A02R259835DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

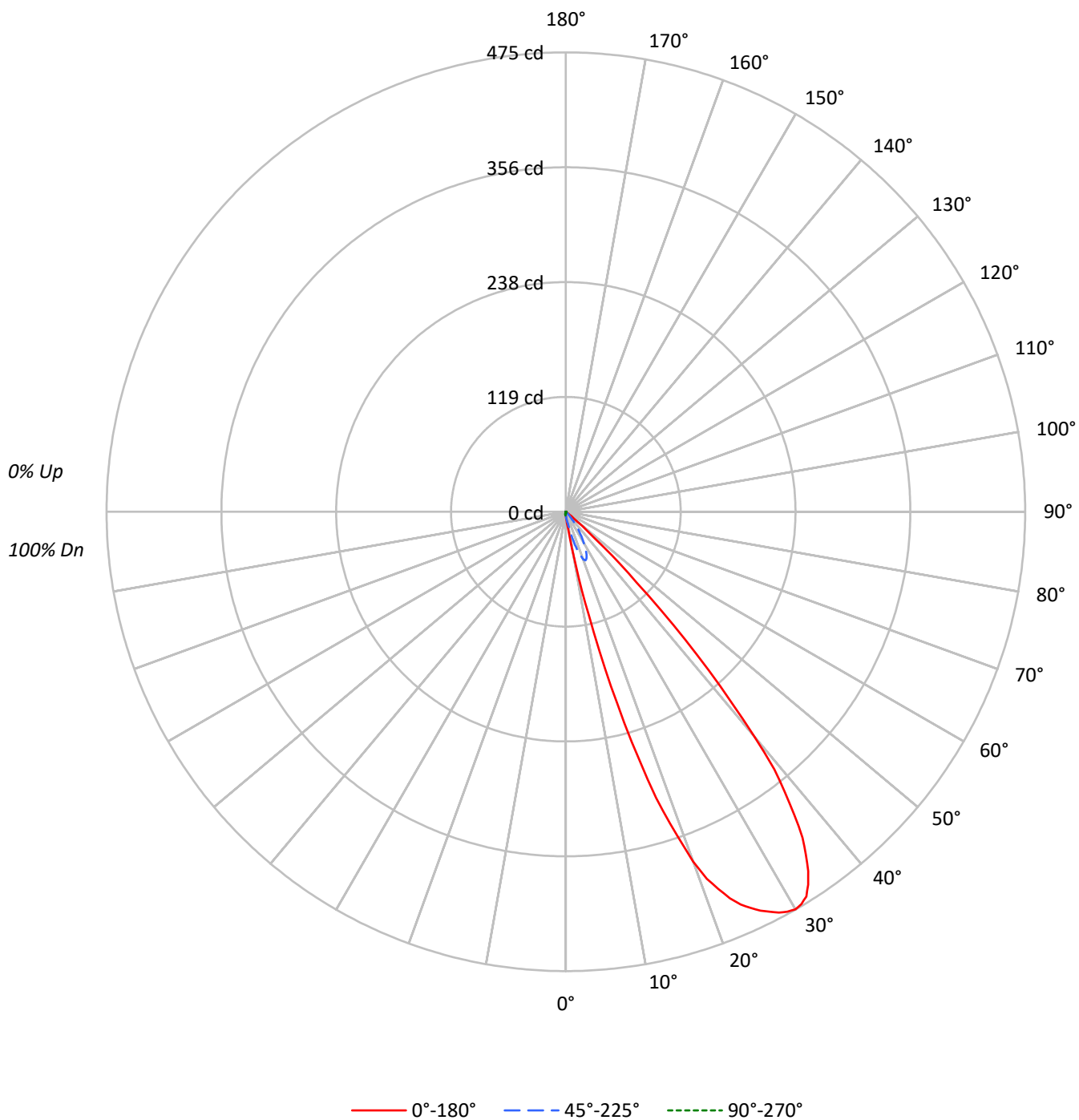
Lumens per Lamp: N/A
Luminaire Lumens: 95.1 lumens
Efficiency: N/A
Efficacy: 26.4 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	91	103	98	94	90	95	92	88		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	80	87	83	79		85	81	78		83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71	66	63	61
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65	60	57	55
7	76	65	58	53	74	64	57	52	63	57	52		61	56	52		60	55	51	50
8	71	60	52	48	69	59	52	47	58	52	47		57	51	47		56	50	47	45
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51	46	42	41
10	62	51	44	39	61	50	43	39	49	43	39		48	43	39		48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	899	899	899	899	899
5°	2245	1651	836	418	330
10°	9819	2828	690	200	134
15°	46652	7605	477	91	68
20°	89794	12181	303	23	23
25°	109361	12291	169	0	0
30°	120221	9394	76	0	0
35°	115857	5970	27	0	0
40°	86562	2576	0	0	29
45°	32034	682	31	31	93
50°	3787	102	68	68	136
55°	382	0	76	115	153
60°	44	0	132	175	175
65°	52	52	208	208	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: 32034 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.6
10°-20°	11.1	11.7
20°-30°	34.8	36.6
30°-40°	36.6	38.5
40°-50°	10.8	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°	46.4	48.8
0°-40°	83.0	87.3
0°-60°	94.4	99.3
0°-90°	95.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	95.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4	4	4	4	4	
5°	10	8	4	2	2	2
15°	206	34	2	0	0	65
25°	452	51	1	0	0	207
35°	433	22	0	0	0	261
45°	103	2	0	0	0	94
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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	6.3	6.4	6.1	6.3	6.1	6.0	5.9	5.5	4.8	4.1	3.4
5°	10.2	10.2	9.7	9.7	9.5	9.1	8.8	7.5	5.4	3.8	2.7
7.5°	16.0	15.9	15.7	15.2	14.4	13.5	12.6	9.8	5.9	3.5	2.0
10°	44.1	43.4	42.6	37.8	32.4	27.7	23.5	12.7	6.4	3.1	1.5
12.5°	109.5	105.9	97.5	87.9	75.7	62.8	50.3	20.7	6.6	2.6	1.1
15°	205.5	198.1	185.0	165.8	140.8	112.7	88.8	33.5	6.4	2.1	0.8
17.5°	310.2	303.1	285.0	255.9	219.1	175.9	133.6	44.4	5.9	1.8	0.5
20°	384.8	377.2	360.2	329.4	289.6	232.0	175.9	52.2	5.6	1.3	0.3
21°	406.6	399.0	381.0	351.3	309.4	251.7	189.4	53.5	5.3	1.2	0.2
22°	420.4	416.0	396.6	367.8	325.1	267.5	201.0	54.2	5.1	1.1	0.2
23°	434.3	427.7	409.6	379.1	337.1	279.2	209.6	53.7	5.0	0.9	0.1
24°	444.6	439.0	418.0	387.9	345.4	286.4	214.7	52.6	4.7	0.8	0.1
25°	452.0	446.8	424.9	393.8	351.0	290.3	216.3	50.8	4.4	0.7	0.1
26°	459.0	453.4	430.7	397.3	353.9	291.5	214.8	48.8	4.2	0.6	0.0
27°	464.0	458.3	434.7	399.3	354.1	290.0	210.7	46.2	3.9	0.5	0.0
28°	469.4	462.9	437.4	400.5	353.0	286.5	204.8	43.3	3.7	0.4	0.0
29°	472.7	466.5	440.3	401.7	350.8	280.5	196.3	40.0	3.3	0.3	0.0
30°	474.8	467.5	440.0	400.4	347.9	274.2	186.1	37.1	2.8	0.3	0.0
31°	473.1	465.3	437.2	396.6	343.2	265.8	175.7	33.6	2.3	0.2	0.0
32°	469.2	460.1	432.2	390.2	334.8	255.1	164.9	30.7	1.7	0.2	0.0
33°	459.9	452.2	423.2	381.5	323.8	240.6	150.8	27.8	1.2	0.1	0.0
34°	448.2	440.5	411.0	369.9	309.1	221.8	133.7	24.9	1.0	0.1	0.0
35°	432.8	425.2	397.2	353.7	289.6	199.2	116.0	22.3	0.8	0.1	0.0
36°	416.6	406.5	379.7	336.4	263.4	173.5	97.1	19.4	0.6	0.1	0.0
37°	392.7	385.9	356.2	310.0	235.2	148.8	83.4	16.8	0.4	0.1	0.0
38°	368.0	361.7	332.7	283.5	203.6	124.4	69.8	14.2	0.4	0.0	0.0
39°	342.5	332.0	303.4	249.6	170.5	104.2	58.8	11.9	0.2	0.0	0.0
40°	302.4	294.4	263.9	208.8	141.1	84.5	50.1	9.0	0.2	0.0	0.0
42.5°	200.5	193.0	161.0	113.3	75.0	49.4	33.1	3.5	0.0	0.1	0.0
45°	103.3	98.7	80.1	59.3	42.5	30.3	21.3	2.2	0.0	0.1	0.1
47.5°	41.0	40.2	36.3	31.4	24.2	18.0	11.6	1.0	0.0	0.1	0.1
50°	11.1	11.2	10.5	9.7	8.8	8.2	4.9	0.3	0.0	0.2	0.1
52.5°	4.7	4.8	4.6	4.3	3.9	2.9	1.9	0.1	0.1	0.2	0.2
55°	1.0	1.1	1.2	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	0.4
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°	4.1	4.1	4.1
2.5°	2.8	2.6	2.5
5°	1.9	1.7	1.5
7.5°	1.3	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	0.4
55°	0.3	0.4	0.4
57.5°	0.4	0.4	0.5
60°	0.4	0.4	0.4
62.5°	0.4	0.5	0.5
65°	0.4	0.5	0.5
67.5°	0.4	0.5	0.5
70°	0.4	0.4	0.5
72.5°	0.4	0.4	0.4
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)