

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: P1334717

Luminaire Tested: P3A02R259727DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334717
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: P3A02R259727DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

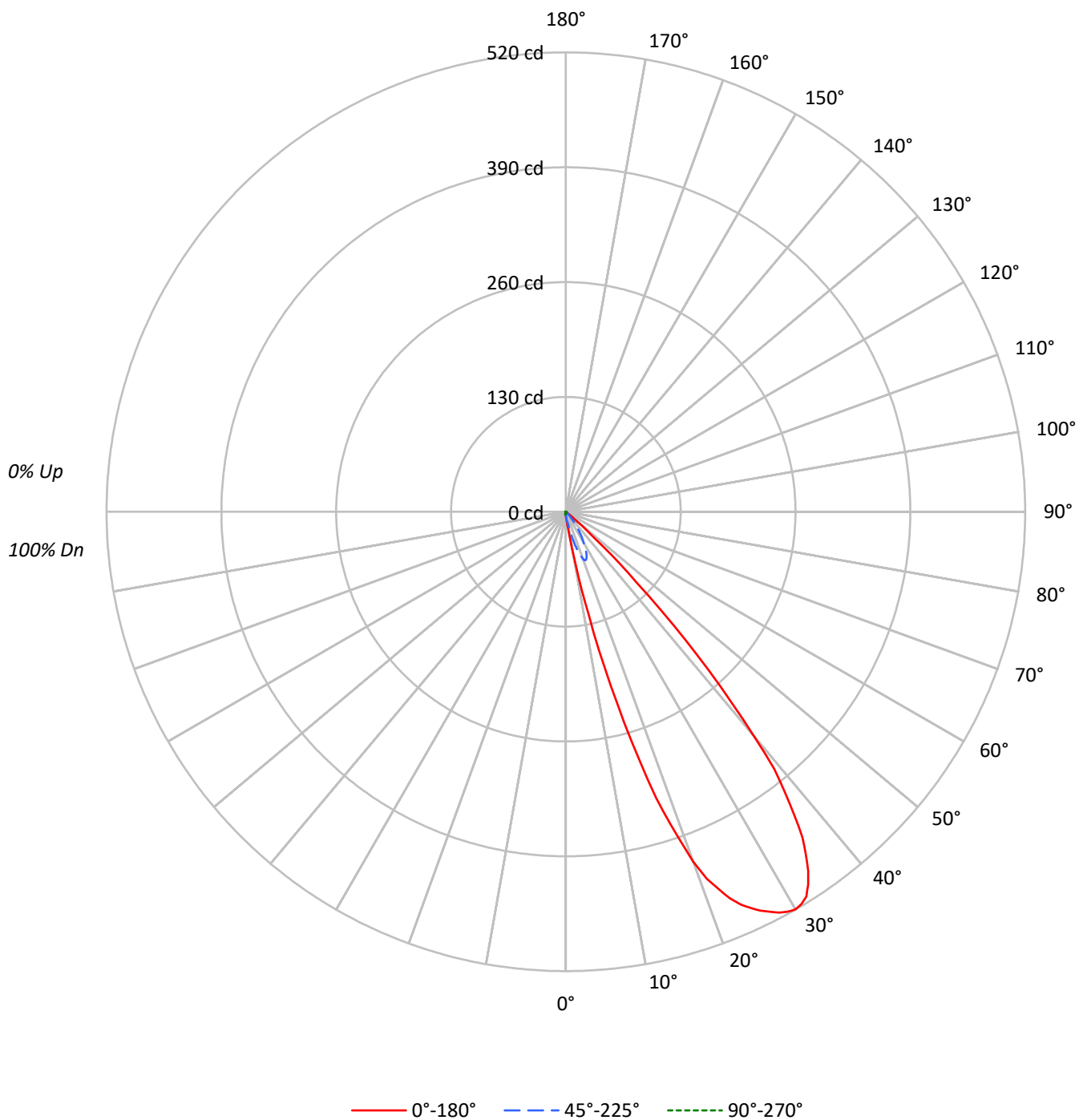
Lumens per Lamp: N/A
Luminaire Lumens: 104.0 lumens
Efficiency: N/A
Efficacy: 28.9 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.5 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	92	103	98	94	90	95	92	88		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	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	52	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°	987	987	987	987	987
5°	2465	1805	924	462	352
10°	10732	3095	757	223	156
15°	51056	8331	522	91	68
20°	98289	13348	350	23	23
25°	119717	13452	194	0	0
30°	131615	10305	76	0	0
35°	126833	6558	27	0	0
40°	94778	2834	0	0	29
45°	35073	744	31	31	93
50°	4128	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: 35073 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.6
10°-20°	12.1	11.7
20°-30°	38.1	36.6
30°-40°	40.1	38.5
40°-50°	11.8	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°	50.8	48.9
0°-40°	90.9	87.4
0°-60°	103.3	99.3
0°-90°	104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	104.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4	4	4	4	4	
5°	11	8	4	2	2	2
15°	225	37	2	0	0	71
25°	495	56	1	0	0	227
35°	474	24	0	0	0	286
45°	113	2	0	0	0	103
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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	6.9	7.0	6.7	6.9	6.7	6.6	6.5	6.0	5.2	4.5	3.7
5°	11.2	11.2	10.7	10.6	10.4	10.0	9.6	8.2	5.9	4.2	2.9
7.5°	17.5	17.4	17.2	16.7	15.7	14.7	13.8	10.8	6.5	3.9	2.2
10°	48.2	47.5	46.7	41.4	35.5	30.3	25.7	13.9	7.0	3.4	1.6
12.5°	119.8	116.0	106.7	96.3	82.9	68.8	55.0	22.6	7.2	2.8	1.2
15°	224.9	216.9	202.5	181.5	154.2	123.4	97.2	36.7	7.0	2.3	0.9
17.5°	339.6	331.9	312.0	280.1	239.9	192.6	146.2	48.6	6.5	1.9	0.6
20°	421.2	413.0	394.3	360.6	317.0	254.0	192.5	57.2	6.1	1.5	0.3
21°	445.1	436.8	417.1	384.5	338.7	275.6	207.4	58.6	5.8	1.3	0.2
22°	460.2	455.4	434.2	402.6	355.9	292.8	220.1	59.3	5.6	1.2	0.2
23°	475.5	468.2	448.4	415.0	369.0	305.7	229.5	58.8	5.4	1.0	0.1
24°	486.7	480.6	457.6	424.6	378.1	313.5	235.0	57.5	5.1	0.9	0.1
25°	494.8	489.1	465.2	431.1	384.3	317.8	236.8	55.6	4.9	0.8	0.1
26°	502.4	496.3	471.5	434.9	387.5	319.1	235.1	53.5	4.6	0.7	0.0
27°	508.0	501.8	475.9	437.1	387.6	317.5	230.6	50.6	4.3	0.6	0.0
28°	513.9	506.7	478.9	438.4	386.5	313.6	224.2	47.4	4.1	0.5	0.0
29°	517.5	510.7	482.0	439.8	384.1	307.1	214.9	43.8	3.6	0.3	0.0
30°	519.8	511.8	481.7	438.3	380.9	300.1	203.8	40.7	3.1	0.3	0.0
31°	517.9	509.4	478.6	434.2	375.7	291.0	192.3	36.8	2.5	0.2	0.0
32°	513.7	503.7	473.1	427.1	366.5	279.3	180.5	33.6	1.8	0.2	0.0
33°	503.5	495.1	463.3	417.6	354.5	263.3	165.1	30.5	1.3	0.1	0.0
34°	490.7	482.3	449.9	404.9	338.4	242.8	146.3	27.3	1.1	0.1	0.0
35°	473.8	465.5	434.8	387.2	317.0	218.0	127.0	24.5	0.9	0.1	0.0
36°	456.1	445.0	415.7	368.2	288.4	189.9	106.3	21.3	0.7	0.1	0.0
37°	430.0	422.5	390.0	339.4	257.4	162.9	91.3	18.3	0.5	0.1	0.0
38°	402.9	396.0	364.3	310.4	222.9	136.2	76.5	15.5	0.4	0.0	0.0
39°	374.9	363.5	332.1	273.2	186.7	114.1	64.3	13.0	0.2	0.0	0.0
40°	331.1	322.3	288.9	228.6	154.5	92.5	54.8	9.9	0.2	0.0	0.0
42.5°	219.5	211.3	176.2	124.0	82.1	54.0	36.2	3.9	0.0	0.1	0.0
45°	113.1	108.0	87.7	64.9	46.6	33.2	23.3	2.4	0.0	0.1	0.1
47.5°	44.9	44.1	39.8	34.3	26.5	19.7	12.7	1.1	0.0	0.1	0.1
50°	12.1	12.2	11.4	10.6	9.6	9.0	5.3	0.3	0.0	0.2	0.1
52.5°	5.1	5.2	5.0	4.8	4.3	3.2	2.1	0.1	0.1	0.2	0.2
55°	1.1	1.2	1.3	1.4	1.6	1.4	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°	4.5	4.5	4.5
2.5°	3.1	2.8	2.7
5°	2.1	1.8	1.6
7.5°	1.5	1.2	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)