

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: P1335097

Luminaire Tested: P3A02R309740DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R309740DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

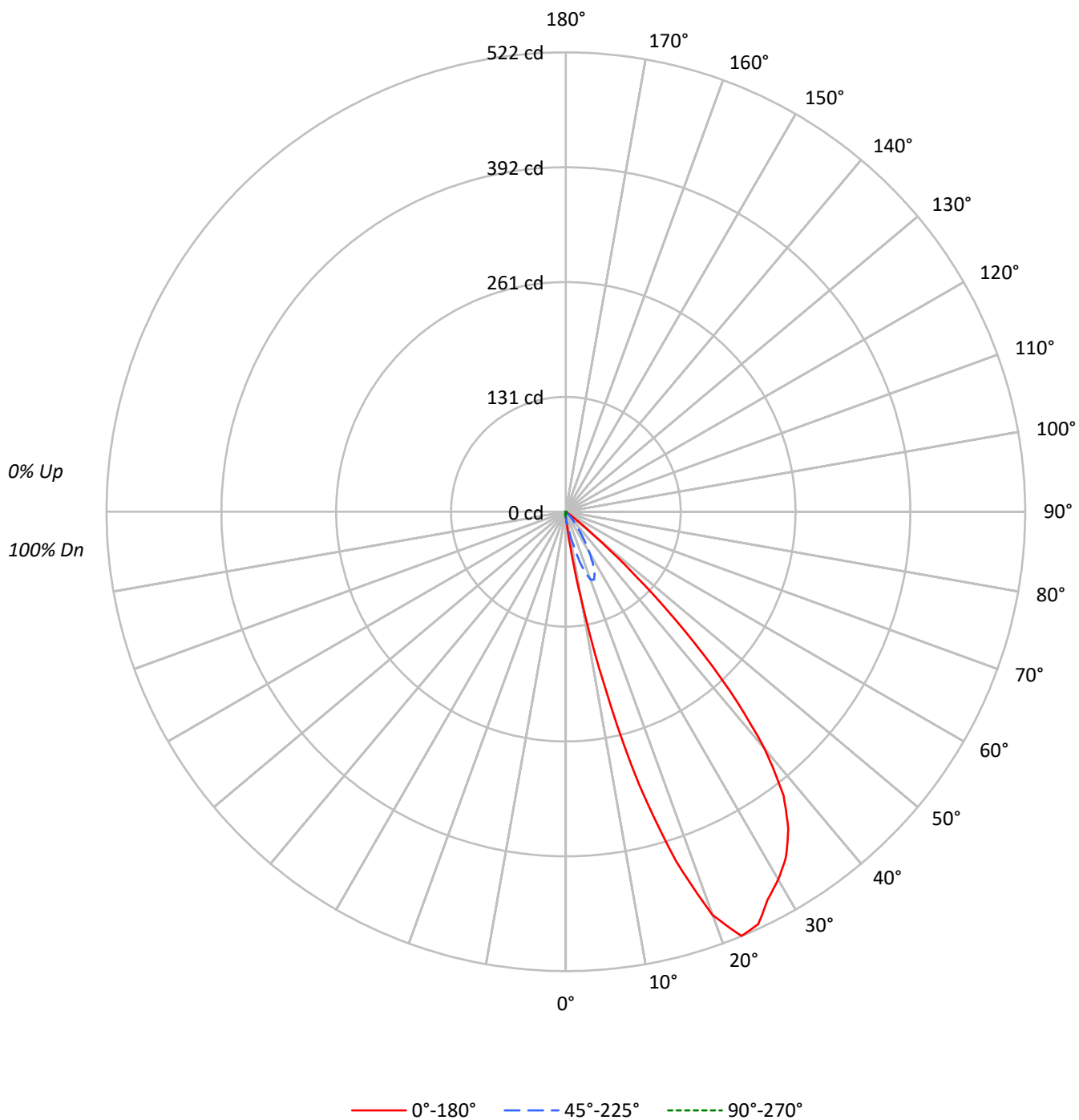
Lumens per Lamp: N/A
Luminaire Lumens: 122.9 lumens
Efficiency: N/A
Efficacy: 34.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	89	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	81	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	67	55	48	43	65	55	48	43	53	47	43	53	47	43	52	46	43	43	43	41
10	62	51	44	39	61	50	44	39	50	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1272	1272	1272	1272	1272
5°	3852	2575	1211	550	440
10°	22355	5455	957	245	178
15°	72691	12372	658	45	23
20°	113760	19135	420	0	0
25°	125136	18703	218	0	0
30°	122221	13496	76	0	0
35°	117972	7683	27	0	0
40°	100617	3263	0	0	0
45°	59045	1209	31	0	31
50°	14328	239	34	34	102
55°	1262	0	76	115	153
60°	44	0	88	132	263
65°	52	52	156	156	311
70°	64	64	192	192	256
75°	0	85	254	254	254
80°	0	126	379	253	253
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59045 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.9
10°-20°	16.9	13.8
20°-30°	43.0	35.0
30°-40°	42.8	34.8
40°-50°	17.3	14.1
50°-60°	1.2	1.0
60°-70°	0.2	0.2
70°-80°	0.2	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°	60.9	49.6
0°-40°	103.8	84.4
0°-60°	122.3	99.5
0°-90°	122.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	122.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	18	12	6	2	2	4
15°	320	54	3	0	0	93
25°	517	77	1	0	0	234
35°	441	29	0	0	0	270
45°	190	4	0	0	0	145
55°	3	0	0	0	0	9
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°	35°	40°	45°	67.5°
0°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
2.5°	9.7	9.8	9.8	9.6	9.4	9.4	9.1	9.0	8.7	8.3	7.2
5°	17.5	17.2	16.7	16.7	15.7	15.2	14.4	13.5	12.8	11.7	8.3
7.5°	39.8	37.1	36.3	35.3	31.5	28.4	25.0	21.9	19.1	16.7	9.2
10°	100.4	95.1	90.7	81.8	70.7	60.0	50.1	38.7	30.8	24.5	9.9
12.5°	202.2	195.1	186.7	170.5	149.7	123.1	99.5	74.3	52.2	36.1	10.1
15°	320.2	308.2	295.0	274.5	240.4	202.2	159.6	119.5	83.7	54.5	9.9
17.5°	416.4	411.7	392.3	364.2	322.5	273.2	220.7	165.9	113.0	71.4	9.2
20°	487.5	484.2	460.7	430.8	383.8	327.4	260.8	194.9	133.3	82.0	8.2
22.5°	521.7	521.2	504.2	473.6	423.8	359.9	286.5	211.6	139.6	83.5	6.9
25°	517.2	519.3	509.6	486.9	439.1	373.3	294.1	211.6	135.0	77.3	5.7
27.5°	496.8	498.1	492.1	474.6	430.1	363.6	283.5	198.0	121.6	66.4	4.7
30°	482.7	483.3	475.8	457.1	409.9	341.6	258.3	172.9	101.4	53.3	3.5
32.5°	465.6	465.5	456.8	435.4	383.4	310.7	226.4	142.9	77.9	40.5	2.0
35°	440.7	437.9	426.0	401.4	343.8	269.1	185.6	108.8	56.1	28.7	1.2
37.5°	406.4	399.1	382.3	349.3	288.3	211.0	137.6	76.4	38.3	19.0	0.8
40°	351.5	343.7	320.8	280.8	218.0	151.8	92.7	49.8	24.2	11.4	0.4
42.5°	275.6	270.3	239.4	199.5	144.0	96.9	55.7	29.4	13.6	6.5	0.1
45°	190.4	183.5	159.3	125.4	86.4	53.7	31.2	15.4	7.8	3.9	0.0
47.5°	105.1	96.7	82.6	65.0	43.5	28.2	15.7	8.3	4.4	1.9	0.0
50°	42.0	41.7	33.2	23.6	16.6	12.8	7.9	4.5	2.2	0.7	0.1
52.5°	14.7	14.7	12.7	10.3	8.1	5.8	3.9	2.1	0.8	0.2	0.1
55°	3.3	3.6	3.4	3.1	3.0	2.6	1.7	0.8	0.2	0.0	0.1
57.5°	0.3	0.3	0.3	0.4	0.6	0.6	0.4	0.2	0.0	0.0	0.1
60°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2
62.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
75°	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.3
77.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	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):

	90°	112.5°	135°	157.5°	180°
0°	5.8	5.8	5.8	5.8	5.8
2.5°	5.8	4.6	3.8	3.4	3.3
5°	5.5	3.5	2.5	2.1	2.0
7.5°	4.9	2.6	1.7	1.3	1.2
10°	4.3	1.9	1.1	0.8	0.8
12.5°	3.6	1.5	0.7	0.3	0.2
15°	2.9	0.9	0.2	0.1	0.1
17.5°	2.2	0.6	0.0	0.0	0.0
20°	1.8	0.2	0.0	0.0	0.0
22.5°	1.3	0.1	0.0	0.0	0.0
25°	0.9	0.0	0.0	0.0	0.0
27.5°	0.6	0.0	0.0	0.0	0.0
30°	0.3	0.0	0.0	0.0	0.0
32.5°	0.1	0.0	0.0	0.0	0.0
35°	0.1	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.1	0.0	0.0	0.1	0.1
47.5°	0.1	0.1	0.1	0.2	0.2
50°	0.1	0.1	0.1	0.2	0.3
52.5°	0.2	0.1	0.2	0.3	0.3
55°	0.2	0.2	0.3	0.4	0.4
57.5°	0.2	0.2	0.3	0.4	0.4
60°	0.2	0.2	0.3	0.4	0.6
62.5°	0.3	0.3	0.3	0.4	0.4
65°	0.3	0.3	0.3	0.4	0.6
67.5°	0.3	0.3	0.3	0.4	0.6
70°	0.3	0.3	0.3	0.4	0.4
72.5°	0.4	0.3	0.3	0.4	0.4
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.2	0.3	0.3
80°	0.3	0.2	0.2	0.2	0.2
82.5°	0.3	0.2	0.2	0.2	0.2
85°	0.3	0.2	0.1	0.1	0.1
87.5°	0.3	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)