

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: P1335449

Luminaire Tested: P3A02R359827DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R359827DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

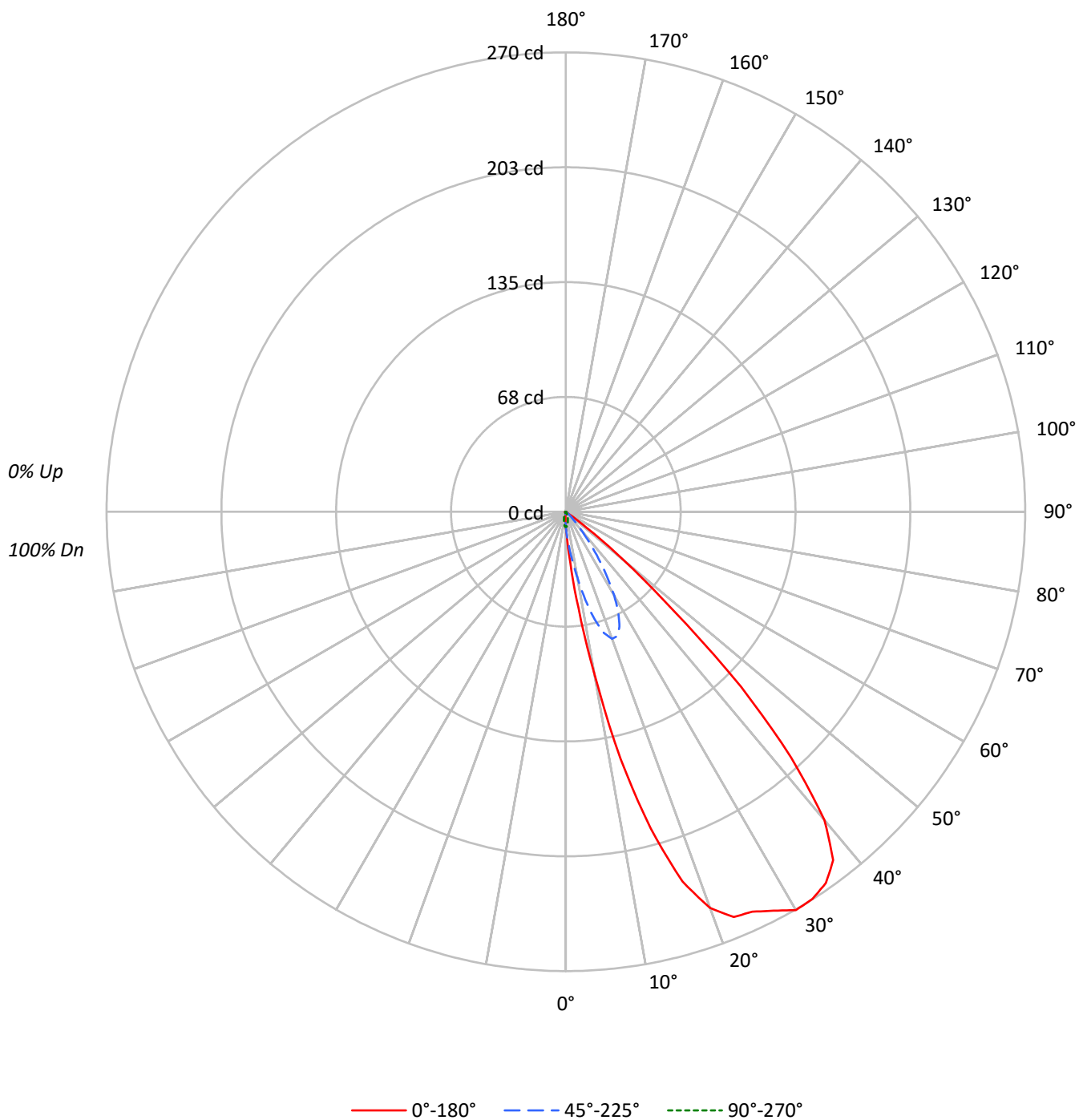
Lumens per Lamp: N/A
Luminaire Lumens: 85.1 lumens
Efficiency: N/A
Efficacy: 23.6 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	104	110	107	104	102	103	101	99		99	98	96		96
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	91	85	81	97	90	84	80	87	82	79		85	81	77		82
4	92	83	77	72	91	82	76	71	80	75	71		78	73	70		76
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	81	70	63	58	79	69	62	58	68	62	57		66	61	57		65
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60
8	71	59	52	47	69	59	52	47	57	51	47		56	51	47		55
9	66	55	48	43	65	54	47	43	53	47	43		52	46	42		51
10	62	50	44	39	61	50	43	39	49	43	39		48	43	39		47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1952	1952	1952	1952	1952
5°	6670	4336	1827	770	572
10°	21465	8773	1447	289	178
15°	43723	14892	1022	114	68
20°	57825	18552	653	47	47
25°	62737	18025	363	24	48
30°	68441	14382	152	25	51
35°	71313	8941	54	27	54
40°	67670	3922	29	57	57
45°	45183	1551	31	62	124
50°	15147	273	68	102	171
55°	841	38	76	153	191
60°	88	44	88	175	219
65°	104	52	104	208	259
70°	64	64	128	256	321
75°	85	85	169	254	339
80°	0	126	253	253	253
85°	0	252	503	252	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 45183 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	1.8
10°-20°	12.2	14.4
20°-30°	25.8	30.3
30°-40°	29.2	34.4
40°-50°	14.4	16.9
50°-60°	1.3	1.5
60°-70°	0.3	0.3
70°-80°	0.2	0.3
80°-90°	0.1	0.2
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°	39.5	46.5
0°-40°	68.8	80.9
0°-60°	84.4	99.3
0°-90°	85.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	85.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	30	20	8	4	3	5
15°	193	66	4	0	0	55
25°	259	74	2	0	0	121
35°	266	33	0	0	0	164
45°	146	5	0	0	0	108
55°	2	0	0	0	0	9
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°	35°	40°	45°	67.5°
0°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
2.5°	15.5	15.9	15.7	15.6	15.6	15.3	14.6	14.5	13.8	13.4	11.1
5°	30.3	29.7	29.8	29.0	27.9	26.4	25.4	23.3	21.5	19.7	12.9
7.5°	57.1	56.2	54.6	52.2	49.7	46.4	41.4	37.5	32.9	28.5	14.3
10°	96.4	95.9	93.9	87.6	82.1	73.3	65.1	56.4	47.8	39.4	15.3
12.5°	148.9	145.7	142.0	133.7	122.8	111.9	95.6	80.6	66.9	52.9	15.4
15°	192.6	190.6	185.3	174.5	161.5	145.6	126.3	106.1	85.5	65.6	14.6
17.5°	227.8	224.7	217.9	207.3	192.3	171.7	149.1	124.4	99.3	74.7	13.4
20°	247.8	246.1	241.0	230.4	213.9	191.4	165.7	137.0	108.0	79.5	11.7
22.5°	257.8	256.7	252.9	244.4	229.1	206.4	176.9	143.6	110.6	79.0	9.9
25°	259.3	259.0	255.7	249.3	236.5	214.0	181.8	144.8	108.5	74.5	8.2
27.5°	264.3	263.2	259.3	252.9	240.0	215.3	180.1	140.6	101.9	66.8	6.9
30°	270.3	269.5	265.6	259.0	243.7	214.1	174.2	131.3	91.3	56.8	5.1
32.5°	269.8	269.5	266.2	259.2	241.1	206.9	163.6	117.4	76.8	44.8	3.2
35°	266.4	265.3	261.2	250.3	226.3	188.5	143.4	98.4	60.8	33.4	2.1
37.5°	258.1	255.8	248.9	230.5	199.8	160.0	116.8	76.0	43.0	22.4	1.3
40°	236.4	233.5	219.5	197.3	165.2	126.0	86.9	52.3	28.4	13.7	0.5
42.5°	196.1	190.2	176.3	153.4	123.3	89.1	57.1	33.9	16.7	8.2	0.2
45°	145.7	141.2	126.5	105.8	80.8	57.1	34.6	18.3	9.2	5.0	0.1
47.5°	84.8	82.1	74.5	61.0	44.6	30.0	17.7	9.8	5.4	2.4	0.1
50°	44.4	41.0	35.3	26.7	19.7	13.8	8.6	5.3	2.7	0.8	0.1
52.5°	15.6	15.3	14.0	10.5	8.5	6.2	4.2	2.3	0.8	0.2	0.1
55°	2.2	2.2	2.1	2.3	2.4	2.2	1.4	0.6	0.2	0.1	0.1
57.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.2
60°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
62.5°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
65°	0.2	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	0.2
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
77.5°	0.0	0.1	0.1	0.1	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	0.1	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	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	0.1	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°	8.9	8.9	8.9	8.9	8.9
2.5°	8.9	7.1	5.6	5.0	4.7
5°	8.3	5.3	3.5	2.7	2.6
7.5°	7.4	3.8	2.1	1.5	1.4
10°	6.5	2.7	1.3	0.9	0.8
12.5°	5.4	1.9	0.8	0.5	0.5
15°	4.5	1.3	0.5	0.4	0.3
17.5°	3.6	0.8	0.3	0.2	0.3
20°	2.8	0.5	0.2	0.2	0.2
22.5°	2.1	0.3	0.2	0.2	0.2
25°	1.5	0.2	0.1	0.1	0.2
27.5°	1.1	0.1	0.1	0.1	0.2
30°	0.6	0.1	0.1	0.1	0.2
32.5°	0.3	0.1	0.1	0.2	0.2
35°	0.2	0.1	0.1	0.2	0.2
37.5°	0.1	0.1	0.1	0.2	0.2
40°	0.1	0.1	0.2	0.2	0.2
42.5°	0.1	0.1	0.2	0.2	0.3
45°	0.1	0.2	0.2	0.3	0.4
47.5°	0.2	0.2	0.3	0.4	0.5
50°	0.2	0.2	0.3	0.5	0.5
52.5°	0.2	0.2	0.4	0.5	0.5
55°	0.2	0.3	0.4	0.5	0.5
57.5°	0.2	0.3	0.4	0.5	0.5
60°	0.2	0.3	0.4	0.5	0.5
62.5°	0.2	0.3	0.4	0.5	0.5
65°	0.2	0.3	0.4	0.5	0.5
67.5°	0.2	0.3	0.4	0.5	0.5
70°	0.2	0.3	0.4	0.5	0.5
72.5°	0.3	0.3	0.4	0.5	0.5
75°	0.2	0.3	0.3	0.4	0.4
77.5°	0.2	0.2	0.2	0.3	0.3
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.1	0.2	0.2
87.5°	0.2	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)