

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: P1335353

Luminaire Tested: P3A02R359040DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335353
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: P3A02R359040DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

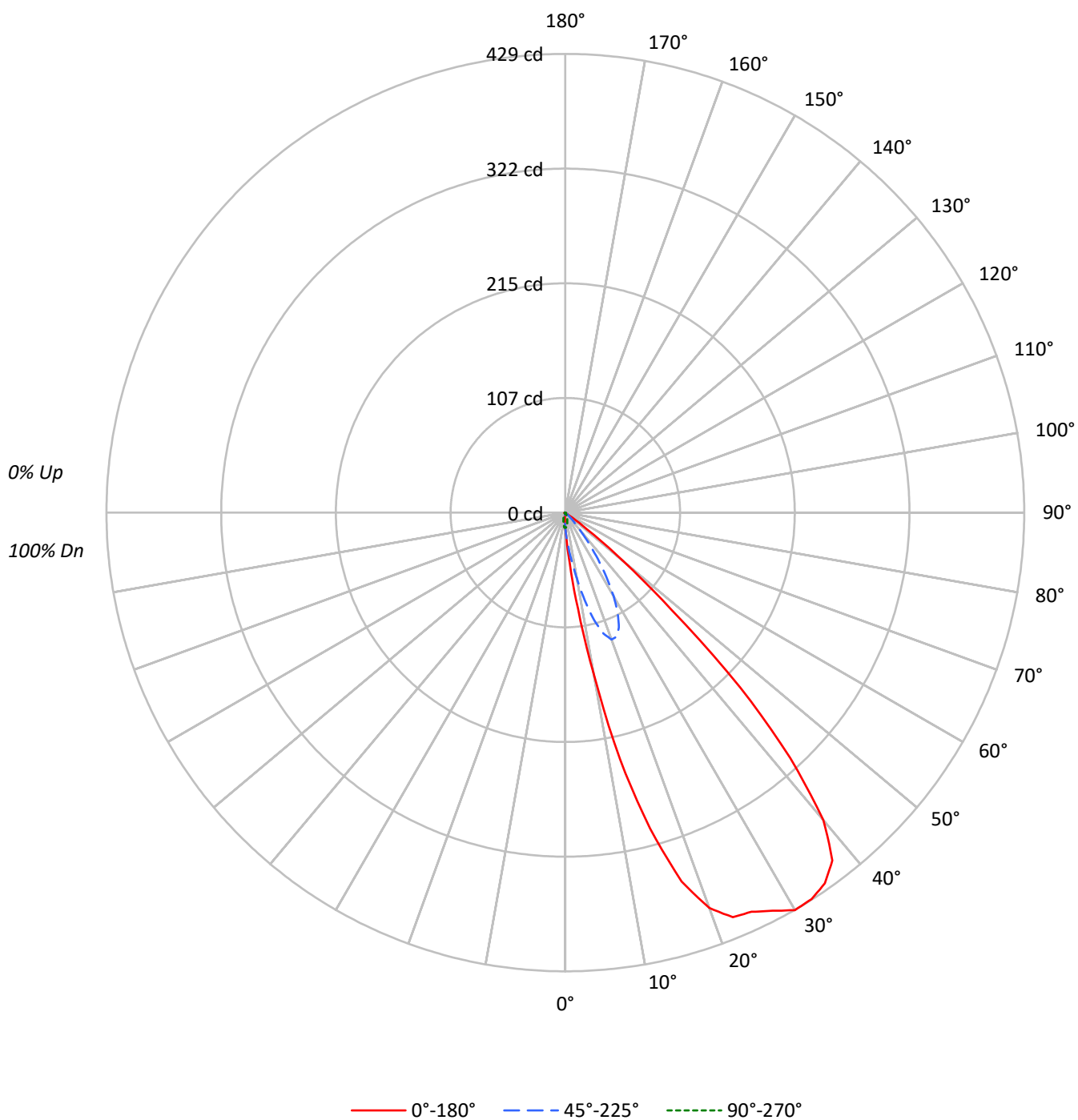
Lumens per Lamp: N/A
Luminaire Lumens: 134.9 lumens
Efficiency: N/A
Efficacy: 37.5 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.49 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			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	112	109	106	104	110	107	104	102	103	101	99		99	98	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79		85	81	77		82	79	76	74
4	92	84	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57		66	61	57		65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47		56	51	47		55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43		52	46	42		51	46	42	41
10	62	51	44	39	61	50	43	39	49	43	39		48	43	39		47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3114	3114	3114	3114	3114
5°	10588	6890	2906	1233	902
10°	34090	13961	2293	468	289
15°	69444	23655	1612	159	114
20°	91825	29473	1050	47	47
25°	99635	28647	581	24	48
30°	108675	22839	253	25	51
35°	113261	14214	54	27	54
40°	107458	6212	29	57	115
45°	71728	2481	31	124	186
50°	24050	409	68	171	239
55°	1338	38	76	229	306
60°	88	44	175	263	351
65°	104	52	208	311	415
70°	64	64	256	385	449
75°	85	85	339	424	508
80°	0	126	505	505	505
85°	0	252	1006	252	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71728 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	1.8
10°-20°	19.4	14.4
20°-30°	40.9	30.3
30°-40°	46.4	34.4
40°-50°	22.8	16.9
50°-60°	2.0	1.5
60°-70°	0.4	0.3
70°-80°	0.4	0.3
80°-90°	0.2	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°	62.8	46.5
0°-40°	109.2	80.9
0°-60°	134.0	99.3
0°-90°	134.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	134.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	48	31	13	6	4	8
15°	306	104	7	1	0	87
25°	412	118	2	0	0	192
35°	423	53	0	0	0	261
45°	231	8	0	0	1	171
55°	4	0	0	1	1	14
65°	0	0	0	1	1	0
75°	0	0	0	0	1	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°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
2.5°	24.6	25.2	25.0	24.8	24.7	24.2	23.1	23.0	21.9	21.2	17.6
5°	48.1	47.1	47.4	46.1	44.4	41.9	40.4	37.0	34.2	31.3	20.5
7.5°	90.6	89.3	86.8	82.9	78.9	73.7	65.8	59.5	52.2	45.3	22.8
10°	153.1	152.3	149.1	139.1	130.4	116.5	103.4	89.6	76.0	62.7	24.4
12.5°	236.4	231.5	225.5	212.3	195.1	177.7	151.8	128.0	106.3	84.0	24.5
15°	305.9	302.7	294.4	277.1	256.4	231.2	200.6	168.4	135.7	104.2	23.3
17.5°	361.7	356.9	346.1	329.3	305.4	272.7	236.8	197.7	157.8	118.6	21.2
20°	393.5	390.9	382.7	365.9	339.8	304.1	263.2	217.6	171.6	126.3	18.5
22.5°	409.5	407.7	401.6	388.2	363.8	327.8	281.0	228.1	175.6	125.4	15.8
25°	411.8	411.3	406.1	395.9	375.6	339.9	288.8	230.0	172.3	118.4	13.1
27.5°	419.8	418.1	411.9	401.7	381.2	342.0	286.1	223.3	161.8	106.0	10.9
30°	429.2	428.0	421.8	411.3	387.1	340.0	276.7	208.6	144.9	90.2	8.1
32.5°	428.5	428.0	422.8	411.7	382.9	328.7	259.8	186.4	122.0	71.1	5.1
35°	423.1	421.4	414.8	397.6	359.4	299.3	227.8	156.3	96.6	53.1	3.3
37.5°	410.0	406.3	395.3	366.1	317.4	254.1	185.5	120.7	68.3	35.5	2.1
40°	375.4	370.8	348.6	313.4	262.4	200.2	138.0	83.0	45.1	21.7	0.8
42.5°	311.4	302.1	279.9	243.7	195.8	141.5	90.6	53.8	26.5	13.1	0.2
45°	231.3	224.2	200.9	168.1	128.3	90.8	54.9	29.1	14.7	8.0	0.1
47.5°	134.8	130.4	118.4	96.8	70.9	47.6	28.1	15.6	8.6	3.9	0.1
50°	70.5	65.1	56.0	42.4	31.3	21.9	13.7	8.4	4.2	1.2	0.1
52.5°	24.7	24.4	22.2	16.7	13.6	9.8	6.7	3.6	1.2	0.2	0.1
55°	3.5	3.5	3.3	3.6	3.9	3.5	2.3	1.0	0.2	0.1	0.1
57.5°	0.2	0.2	0.2	0.4	0.5	0.5	0.4	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	0.4
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
77.5°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
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°	14.2	14.2	14.2	14.2	14.2
2.5°	14.1	11.3	9.0	7.9	7.5
5°	13.2	8.5	5.6	4.4	4.1
7.5°	11.8	6.1	3.4	2.4	2.3
10°	10.3	4.4	2.1	1.5	1.3
12.5°	8.6	3.0	1.3	0.8	0.7
15°	7.1	2.1	0.7	0.6	0.5
17.5°	5.7	1.3	0.5	0.4	0.5
20°	4.5	0.8	0.2	0.2	0.2
22.5°	3.4	0.5	0.2	0.2	0.2
25°	2.4	0.2	0.1	0.1	0.2
27.5°	1.7	0.1	0.1	0.1	0.2
30°	1.0	0.1	0.1	0.1	0.2
32.5°	0.5	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	0.4
40°	0.1	0.1	0.2	0.4	0.4
42.5°	0.1	0.1	0.2	0.4	0.5
45°	0.1	0.2	0.4	0.5	0.6
47.5°	0.2	0.2	0.5	0.6	0.7
50°	0.2	0.4	0.5	0.7	0.7
52.5°	0.2	0.4	0.6	0.7	0.8
55°	0.2	0.5	0.6	0.8	0.8
57.5°	0.4	0.5	0.6	0.8	0.8
60°	0.4	0.5	0.6	0.8	0.8
62.5°	0.4	0.5	0.6	0.8	0.8
65°	0.4	0.5	0.6	0.8	0.8
67.5°	0.4	0.5	0.6	0.7	0.8
70°	0.4	0.5	0.6	0.7	0.7
72.5°	0.5	0.5	0.6	0.7	0.7
75°	0.4	0.5	0.5	0.6	0.6
77.5°	0.4	0.4	0.4	0.5	0.5
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.2	0.2	0.4	0.4
85°	0.4	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)