

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: P1335401

Luminaire Tested: P3A02R359730DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335401
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: P3A02R359730DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

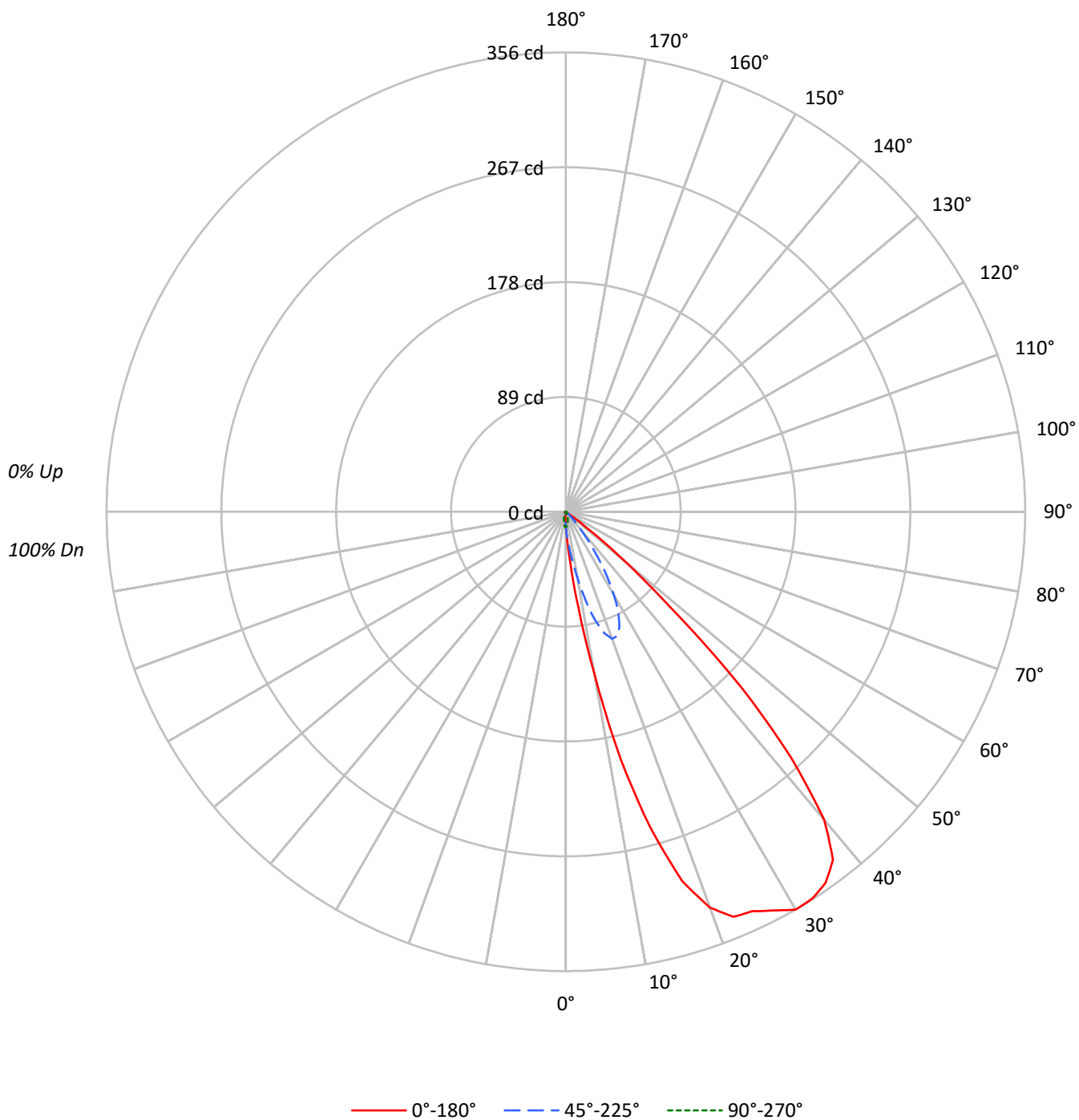
Lumens per Lamp: N/A
Luminaire Lumens: 112.0 lumens
Efficiency: N/A
Efficacy: 31.1 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.49 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	83	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°	2588	2588	2588	2588	2588
5°	8783	5701	2421	1013	748
10°	28278	11578	1893	379	245
15°	57617	19637	1339	136	91
20°	76167	24455	863	47	47
25°	82650	23759	484	24	48
30°	90166	18940	203	25	51
35°	93960	11778	54	27	54
40°	89167	5153	29	57	86
45°	59510	2047	31	93	155
50°	19957	341	68	136	205
55°	1109	38	76	191	268
60°	88	44	132	219	307
65°	104	52	156	259	363
70°	64	64	192	321	385
75°	85	85	254	339	424
80°	0	126	379	379	379
85°	0	252	755	252	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59510 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	1.8
10°-20°	16.1	14.4
20°-30°	34.0	30.3
30°-40°	38.5	34.4
40°-50°	19.0	16.9
50°-60°	1.6	1.5
60°-70°	0.3	0.3
70°-80°	0.3	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°	52.1	46.5
0°-40°	90.6	80.9
0°-60°	111.2	99.3
0°-90°	112.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	112.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	40	26	11	5	3	7
15°	254	86	6	1	0	72
25°	342	98	2	0	0	159
35°	351	44	0	0	0	216
45°	192	7	0	0	0	142
55°	3	0	0	0	1	11
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°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
2.5°	20.4	20.9	20.7	20.6	20.5	20.1	19.2	19.1	18.2	17.6	14.6
5°	39.9	39.1	39.3	38.2	36.8	34.8	33.5	30.7	28.4	25.9	17.0
7.5°	75.2	74.1	72.0	68.8	65.5	61.1	54.6	49.4	43.3	37.6	18.9
10°	127.0	126.4	123.7	115.4	108.2	96.6	85.8	74.3	63.0	52.0	20.2
12.5°	196.2	192.0	187.1	176.1	161.9	147.4	126.0	106.2	88.2	69.7	20.3
15°	253.8	251.1	244.2	229.9	212.7	191.8	166.4	139.7	112.6	86.5	19.3
17.5°	300.1	296.1	287.1	273.2	253.4	226.2	196.5	164.0	130.9	98.4	17.6
20°	326.4	324.3	317.5	303.5	281.9	252.3	218.4	180.6	142.4	104.8	15.4
22.5°	339.7	338.2	333.2	322.0	301.8	272.0	233.1	189.2	145.7	104.1	13.1
25°	341.6	341.2	336.9	328.5	311.6	282.0	239.6	190.8	143.0	98.2	10.9
27.5°	348.3	346.9	341.7	333.3	316.3	283.7	237.4	185.3	134.2	88.0	9.0
30°	356.1	355.1	350.0	341.2	321.1	282.1	229.5	173.0	120.2	74.8	6.7
32.5°	355.5	355.1	350.8	341.5	317.7	272.7	215.6	154.6	101.2	59.0	4.2
35°	351.0	349.6	344.1	329.9	298.2	248.3	189.0	129.7	80.1	44.0	2.7
37.5°	340.1	337.1	328.0	303.7	263.3	210.8	153.9	100.1	56.7	29.5	1.7
40°	311.5	307.6	289.2	260.0	217.7	166.1	114.5	68.9	37.4	18.0	0.7
42.5°	258.4	250.6	232.2	202.2	162.5	117.4	75.2	44.6	22.0	10.9	0.2
45°	191.9	186.0	166.7	139.4	106.5	75.3	45.5	24.1	12.2	6.6	0.1
47.5°	111.8	108.2	98.2	80.3	58.8	39.5	23.3	13.0	7.1	3.2	0.1
50°	58.5	54.0	46.4	35.2	25.9	18.2	11.4	6.9	3.5	1.0	0.1
52.5°	20.5	20.2	18.4	13.9	11.3	8.1	5.5	3.0	1.0	0.2	0.1
55°	2.9	2.9	2.7	3.0	3.2	2.9	1.9	0.8	0.2	0.1	0.1
57.5°	0.2	0.2	0.2	0.3	0.4	0.4	0.3	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	0.3
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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
77.5°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
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°	11.8	11.8	11.8	11.8	11.8
2.5°	11.7	9.4	7.4	6.5	6.2
5°	11.0	7.0	4.6	3.6	3.4
7.5°	9.8	5.0	2.8	2.0	1.9
10°	8.5	3.6	1.7	1.2	1.1
12.5°	7.1	2.5	1.1	0.7	0.6
15°	5.9	1.7	0.6	0.5	0.4
17.5°	4.7	1.1	0.4	0.3	0.4
20°	3.7	0.7	0.2	0.2	0.2
22.5°	2.8	0.4	0.2	0.2	0.2
25°	2.0	0.2	0.1	0.1	0.2
27.5°	1.4	0.1	0.1	0.1	0.2
30°	0.8	0.1	0.1	0.1	0.2
32.5°	0.4	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	0.3
40°	0.1	0.1	0.2	0.3	0.3
42.5°	0.1	0.1	0.2	0.3	0.4
45°	0.1	0.2	0.3	0.4	0.5
47.5°	0.2	0.2	0.4	0.5	0.6
50°	0.2	0.3	0.4	0.6	0.6
52.5°	0.2	0.3	0.5	0.6	0.7
55°	0.2	0.4	0.5	0.7	0.7
57.5°	0.3	0.4	0.5	0.7	0.7
60°	0.3	0.4	0.5	0.7	0.7
62.5°	0.3	0.4	0.5	0.7	0.7
65°	0.3	0.4	0.5	0.7	0.7
67.5°	0.3	0.4	0.5	0.6	0.7
70°	0.3	0.4	0.5	0.6	0.6
72.5°	0.4	0.4	0.5	0.6	0.6
75°	0.3	0.4	0.4	0.5	0.5
77.5°	0.3	0.3	0.3	0.4	0.4
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.2	0.2	0.3	0.3
85°	0.3	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)