

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: P1335422

Luminaire Tested: P3A02R359735DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335422
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: P3A02R359735DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

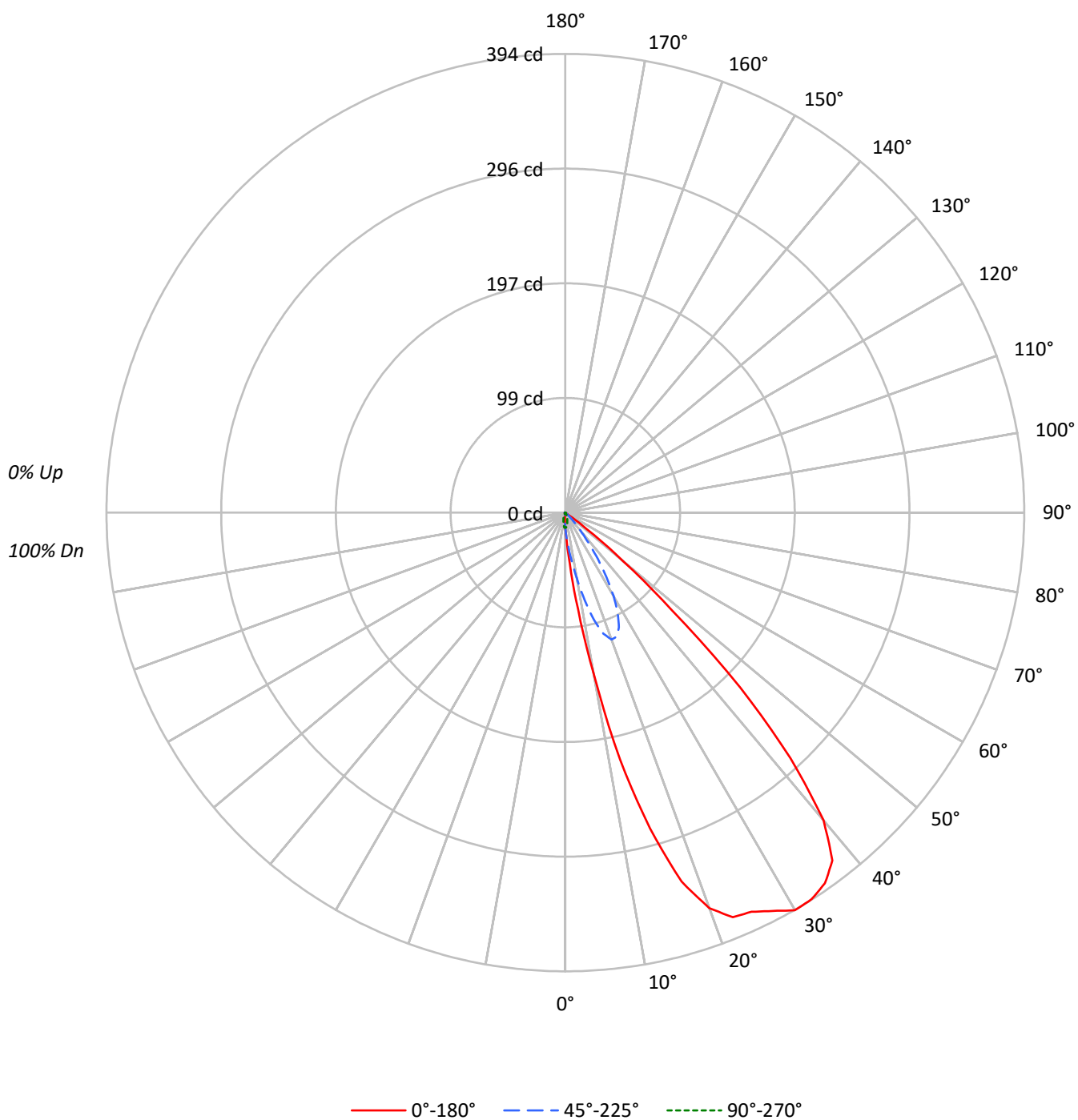
Lumens per Lamp: N/A
Luminaire Lumens: 123.9 lumens
Efficiency: N/A
Efficacy: 34.4 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2851	2851	2851	2851	2851
5°	9729	6317	2663	1123	836
10°	31306	12803	2115	423	267
15°	63769	21725	1498	159	91
20°	84334	27069	957	47	47
25°	91505	26324	532	24	48
30°	99838	20965	228	25	51
35°	104025	13063	54	27	54
40°	98699	5696	29	57	86
45°	65898	2264	31	93	186
50°	22106	375	68	136	239
55°	1223	38	76	229	306
60°	88	44	132	263	351
65°	104	52	156	311	415
70°	64	64	192	385	449
75°	85	85	254	339	508
80°	0	126	379	379	379
85°	0	252	755	252	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 65898 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	1.8
10°-20°	17.8	14.4
20°-30°	37.6	30.3
30°-40°	42.6	34.4
40°-50°	21.0	16.9
50°-60°	1.8	1.5
60°-70°	0.4	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°	57.7	46.5
0°-40°	100.3	80.9
0°-60°	123.1	99.3
0°-90°	123.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	123.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	44	29	12	5	4	7
15°	281	96	7	1	0	80
25°	378	109	2	0	0	176
35°	389	49	0	0	0	239
45°	212	7	0	0	1	157
55°	3	0	0	1	1	13
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°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
2.5°	22.6	23.2	22.9	22.8	22.7	22.3	21.3	21.1	20.1	19.5	16.1
5°	44.2	43.3	43.5	42.3	40.7	38.5	37.1	33.9	31.4	28.7	18.8
7.5°	83.3	82.0	79.7	76.1	72.5	67.7	60.4	54.7	48.0	41.6	20.9
10°	140.6	139.9	136.9	127.8	119.8	107.0	94.9	82.3	69.8	57.5	22.4
12.5°	217.2	212.6	207.1	195.0	179.2	163.2	139.5	117.5	97.6	77.1	22.5
15°	280.9	278.1	270.4	254.6	235.5	212.4	184.2	154.7	124.7	95.7	21.4
17.5°	332.3	327.8	317.9	302.4	280.5	250.4	217.5	181.5	144.9	109.0	19.5
20°	361.4	359.1	351.5	336.0	312.1	279.3	241.8	199.9	157.6	116.0	17.0
22.5°	376.1	374.4	368.9	356.5	334.2	301.1	258.1	209.5	161.3	115.2	14.5
25°	378.2	377.8	373.0	363.7	345.0	312.2	265.3	211.3	158.3	108.8	12.0
27.5°	385.6	384.0	378.3	369.0	350.2	314.1	262.8	205.1	148.6	97.4	10.0
30°	394.3	393.1	387.5	377.8	355.5	312.3	254.1	191.6	133.1	82.8	7.5
32.5°	393.6	393.1	388.4	378.1	351.7	301.9	238.6	171.2	112.1	65.3	4.7
35°	388.6	387.0	381.0	365.2	330.1	274.9	209.3	143.6	88.7	48.8	3.0
37.5°	376.6	373.2	363.1	336.3	291.5	233.4	170.4	110.9	62.8	32.6	1.9
40°	344.8	340.6	320.2	287.8	241.0	183.9	126.8	76.2	41.4	19.9	0.8
42.5°	286.1	277.5	257.1	223.8	179.9	130.0	83.3	49.4	24.4	12.0	0.2
45°	212.5	205.9	184.6	154.4	117.9	83.4	50.4	26.7	13.5	7.3	0.1
47.5°	123.8	119.8	108.8	88.9	65.1	43.7	25.8	14.4	7.9	3.6	0.1
50°	64.8	59.8	51.4	39.0	28.7	20.1	12.6	7.7	3.9	1.1	0.1
52.5°	22.7	22.4	20.4	15.4	12.5	9.0	6.1	3.3	1.1	0.2	0.1
55°	3.2	3.2	3.0	3.3	3.6	3.2	2.1	0.9	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°	13.0	13.0	13.0	13.0	13.0
2.5°	12.9	10.4	8.2	7.2	6.9
5°	12.1	7.8	5.1	4.0	3.8
7.5°	10.8	5.6	3.1	2.2	2.1
10°	9.5	4.0	1.9	1.3	1.2
12.5°	7.9	2.8	1.2	0.8	0.7
15°	6.6	1.9	0.7	0.6	0.4
17.5°	5.2	1.2	0.4	0.3	0.4
20°	4.1	0.8	0.2	0.2	0.2
22.5°	3.1	0.4	0.2	0.2	0.2
25°	2.2	0.2	0.1	0.1	0.2
27.5°	1.6	0.1	0.1	0.1	0.2
30°	0.9	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	0.6
47.5°	0.2	0.2	0.4	0.6	0.7
50°	0.2	0.3	0.4	0.7	0.7
52.5°	0.2	0.3	0.6	0.7	0.8
55°	0.2	0.4	0.6	0.8	0.8
57.5°	0.3	0.4	0.6	0.8	0.8
60°	0.3	0.4	0.6	0.8	0.8
62.5°	0.3	0.4	0.6	0.8	0.8
65°	0.3	0.4	0.6	0.8	0.8
67.5°	0.3	0.4	0.6	0.7	0.8
70°	0.3	0.4	0.6	0.7	0.7
72.5°	0.4	0.4	0.6	0.7	0.7
75°	0.3	0.4	0.4	0.6	0.6
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)