

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: P1334990

Luminaire Tested: P3A02R309030DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334990
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: P3A02R309030DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

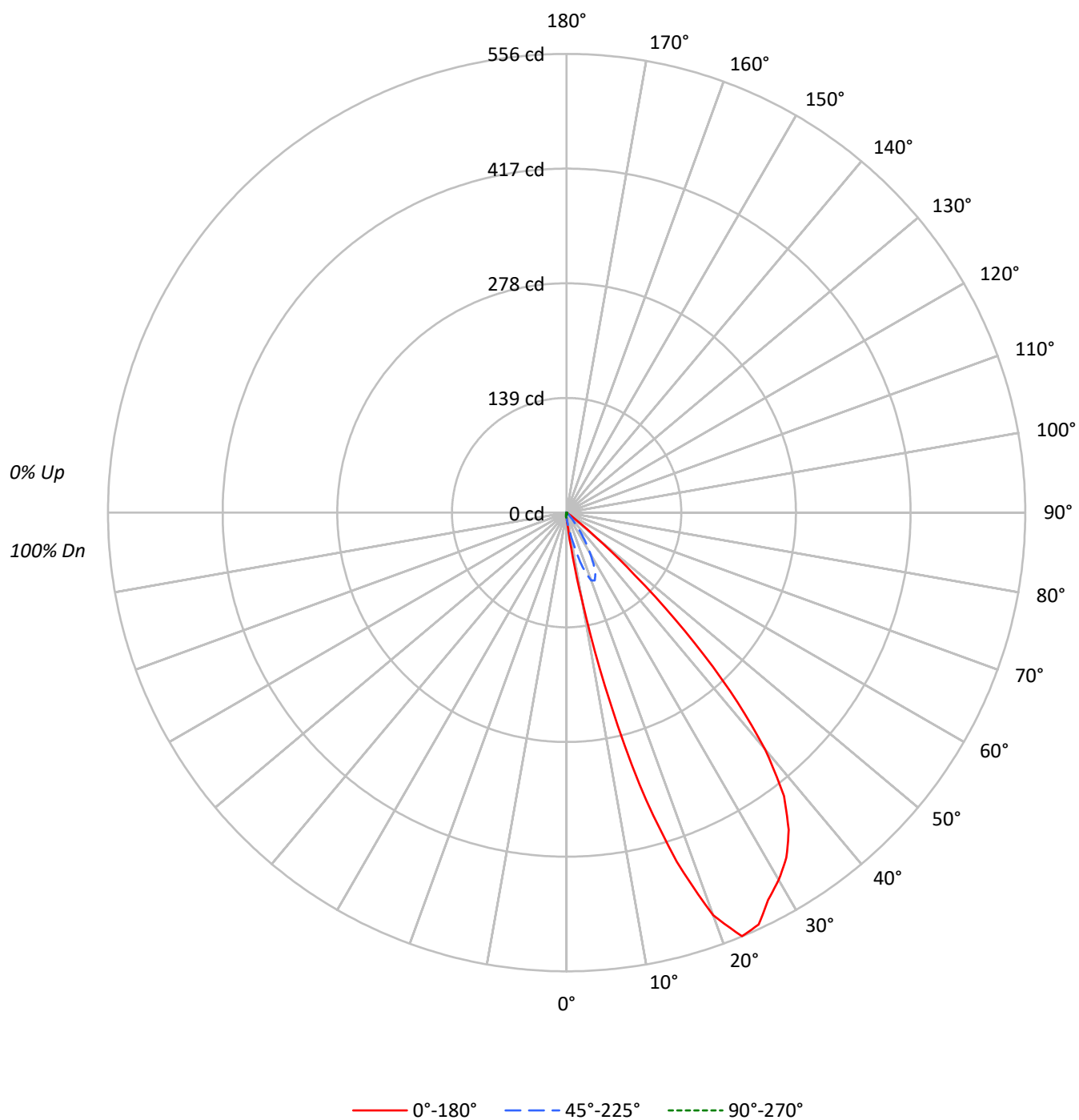
Lumens per Lamp: N/A
Luminaire Lumens: 131.0 lumens
Efficiency: N/A
Efficacy: 36.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1360	1360	1360	1360	1360
5°	4116	2729	1299	572	484
10°	23803	5812	1002	267	178
15°	77412	13190	704	45	23
20°	121157	20395	443	0	0
25°	133290	19937	242	0	0
30°	130172	14357	101	0	0
35°	125655	8165	27	0	0
40°	107144	3464	0	0	0
45°	62890	1302	31	0	31
50°	15283	239	34	34	136
55°	1338	0	76	153	191
60°	44	0	88	175	263
65°	52	52	208	208	311
70°	64	64	256	256	321
75°	0	85	339	339	339
80°	0	126	505	253	253
85°	0	252	1006	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62890 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.9
10°-20°	18.0	13.7
20°-30°	45.8	34.9
30°-40°	45.6	34.8
40°-50°	18.5	14.1
50°-60°	1.3	1.0
60°-70°	0.3	0.2
70°-80°	0.3	0.2
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°	64.9	49.5
0°-40°	110.5	84.4
0°-60°	130.2	99.4
0°-90°	131.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	131.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	19	12	6	3	2	4
15°	341	58	3	0	0	99
25°	551	82	1	0	0	249
35°	469	30	0	0	0	288
45°	203	4	0	0	0	155
55°	4	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°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
2.5°	10.3	10.4	10.4	10.2	10.1	10.1	9.7	9.6	9.2	8.9	7.7
5°	18.7	18.3	17.8	17.8	16.8	16.2	15.3	14.4	13.6	12.4	8.9
7.5°	42.4	39.5	38.7	37.6	33.5	30.3	26.6	23.3	20.3	17.8	9.8
10°	106.9	101.3	96.6	87.1	75.3	63.9	53.4	41.2	32.8	26.1	10.5
12.5°	215.3	207.8	198.8	181.6	159.4	131.1	105.9	79.1	55.5	38.4	10.8
15°	341.0	328.2	314.2	292.3	256.0	215.3	170.0	127.2	89.2	58.1	10.5
17.5°	443.5	438.5	417.8	387.8	343.4	291.0	235.1	176.7	120.3	76.0	9.8
20°	519.2	515.7	490.7	458.8	408.8	348.7	277.7	207.6	142.0	87.4	8.7
22.5°	555.7	555.1	537.0	504.4	451.4	383.3	305.1	225.4	148.7	88.9	7.3
25°	550.9	553.0	542.7	518.6	467.7	397.5	313.3	225.4	143.8	82.4	6.1
27.5°	529.1	530.5	524.1	505.5	458.1	387.2	301.9	210.9	129.5	70.7	5.0
30°	514.1	514.7	506.7	486.8	436.6	363.8	275.1	184.1	108.0	56.7	3.7
32.5°	495.9	495.8	486.5	463.7	408.3	330.9	241.1	152.1	83.0	43.1	2.2
35°	469.4	466.4	453.7	427.5	366.2	286.6	197.6	115.9	59.7	30.5	1.3
37.5°	432.8	425.1	407.1	372.0	307.0	224.7	146.5	81.4	40.8	20.2	0.8
40°	374.3	366.1	341.6	299.0	232.2	161.7	98.8	53.0	25.7	12.1	0.5
42.5°	293.5	287.9	255.0	212.5	153.3	103.2	59.4	31.4	14.5	6.9	0.1
45°	202.8	195.5	169.6	133.6	92.1	57.2	33.3	16.4	8.3	4.2	0.0
47.5°	111.9	102.9	88.0	69.2	46.3	30.0	16.8	8.9	4.7	2.0	0.0
50°	44.8	44.4	35.3	25.1	17.7	13.6	8.4	4.8	2.4	0.7	0.1
52.5°	15.7	15.7	13.5	11.0	8.6	6.2	4.2	2.3	0.8	0.2	0.1
55°	3.5	3.8	3.6	3.4	3.2	2.8	1.8	0.8	0.2	0.0	0.1
57.5°	0.4	0.4	0.4	0.5	0.6	0.6	0.5	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	0.4
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°	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.4
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°	6.2	6.2	6.2	6.2	6.2
2.5°	6.2	4.9	4.1	3.6	3.5
5°	5.9	3.7	2.6	2.3	2.2
7.5°	5.3	2.8	1.8	1.4	1.3
10°	4.5	2.0	1.2	0.8	0.8
12.5°	3.8	1.6	0.7	0.4	0.2
15°	3.1	1.0	0.2	0.1	0.1
17.5°	2.4	0.6	0.0	0.0	0.0
20°	1.9	0.2	0.0	0.0	0.0
22.5°	1.4	0.1	0.0	0.0	0.0
25°	1.0	0.0	0.0	0.0	0.0
27.5°	0.6	0.0	0.0	0.0	0.0
30°	0.4	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	0.4
52.5°	0.2	0.1	0.2	0.4	0.4
55°	0.2	0.2	0.4	0.5	0.5
57.5°	0.2	0.2	0.4	0.5	0.5
60°	0.2	0.2	0.4	0.5	0.6
62.5°	0.4	0.4	0.4	0.5	0.5
65°	0.4	0.4	0.4	0.5	0.6
67.5°	0.4	0.4	0.4	0.5	0.6
70°	0.4	0.4	0.4	0.5	0.5
72.5°	0.5	0.4	0.4	0.5	0.5
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.2	0.4	0.4
80°	0.4	0.2	0.2	0.2	0.2
82.5°	0.4	0.2	0.2	0.2	0.2
85°	0.4	0.2	0.1	0.1	0.1
87.5°	0.4	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)