

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: P1335013

Luminaire Tested: P3A02R309035DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335013
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: P3A02R309035DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

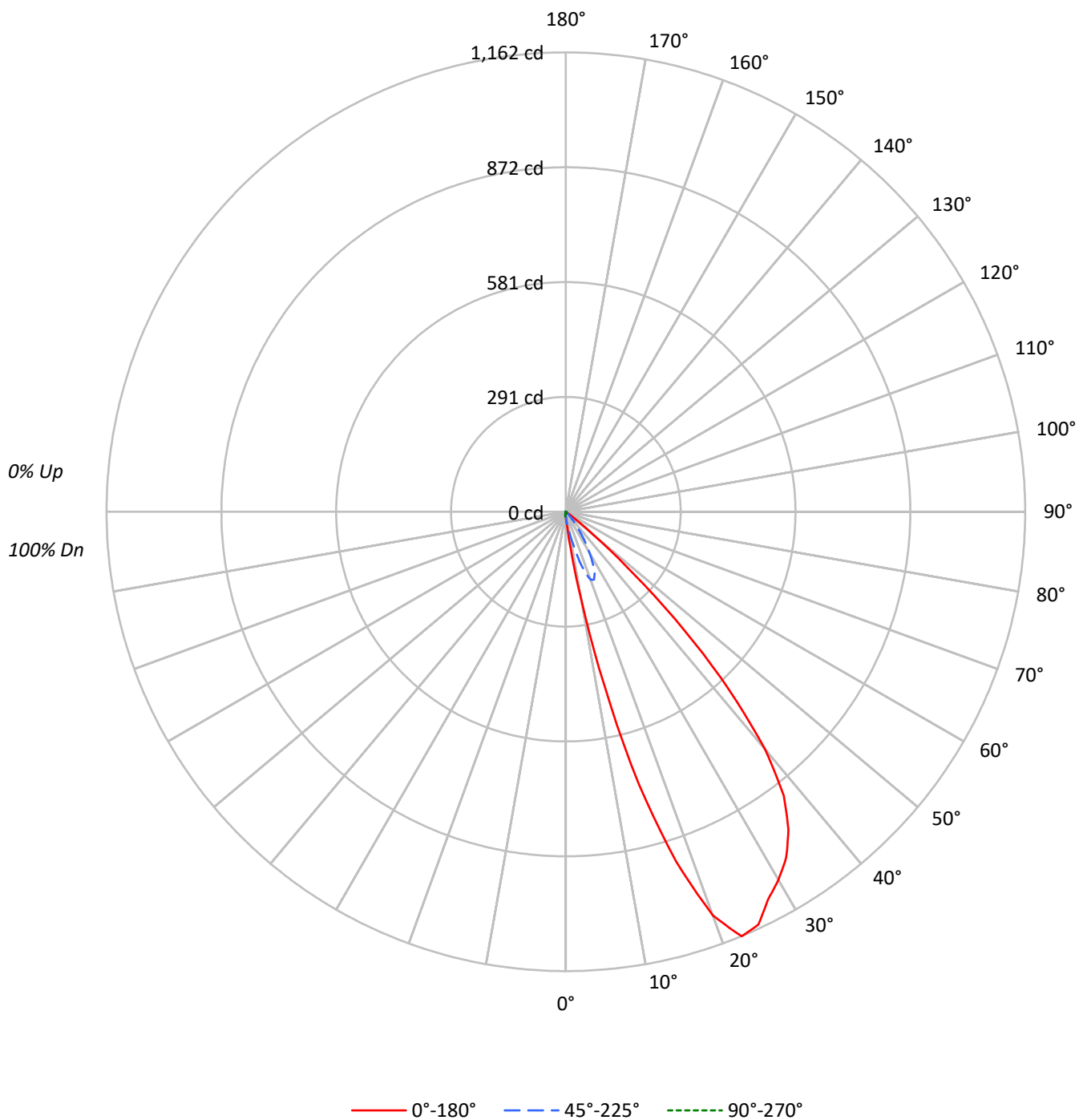
Lumens per Lamp: N/A
Luminaire Lumens: 274.1 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	87	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	63	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	66	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°	2851	2851	2851	2851	2851
5°	8607	5723	2707	1211	991
10°	49788	12157	2115	557	401
15°	161931	27560	1476	114	68
20°	253399	42657	933	0	0
25°	278774	41688	484	0	0
30°	272295	30055	203	0	0
35°	262794	17079	80	0	0
40°	224106	7242	0	0	0
45°	131518	2729	93	0	93
50°	31931	512	102	102	273
55°	2791	0	191	306	382
60°	132	0	219	351	570
65°	156	156	415	415	675
70°	192	192	513	513	641
75°	0	254	678	678	678
80°	0	379	1010	631	631
85°	0	755	2013	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 131518 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.9
10°-20°	37.7	13.7
20°-30°	95.7	34.9
30°-40°	95.4	34.8
40°-50°	38.7	14.1
50°-60°	2.7	1.0
60°-70°	0.6	0.2
70°-80°	0.6	0.2
80°-90°	0.4	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°	135.8	49.5
0°-40°	231.1	84.3
0°-60°	272.5	99.4
0°-90°	274.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	274.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	39	26	12	6	4	9
15°	713	121	6	0	0	208
25°	1152	172	2	0	0	520
35°	982	64	0	0	0	602
45°	424	9	0	0	0	324
55°	7	0	0	1	1	19
65°	0	0	1	1	1	0
75°	0	0	1	1	1	0
85°	0	0	1	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°	21.5	21.8	21.8	21.3	21.0	21.0	20.3	20.0	19.3	18.5	16.0
5°	39.1	38.3	37.3	37.3	35.1	33.8	32.0	30.0	28.5	26.0	18.5
7.5°	88.6	82.6	80.9	78.6	70.1	63.3	55.6	48.8	42.6	37.3	20.5
10°	223.6	211.8	202.1	182.3	157.5	133.7	111.7	86.1	68.6	54.6	22.0
12.5°	450.4	434.6	415.9	379.8	333.5	274.2	221.6	165.5	116.2	80.4	22.5
15°	713.3	686.5	657.2	611.4	535.5	450.4	355.5	266.1	186.5	121.4	22.0
17.5°	927.6	917.1	873.8	811.2	718.3	608.7	491.7	369.6	251.6	159.0	20.5
20°	1085.9	1078.6	1026.3	959.7	855.0	729.3	580.9	434.1	296.9	182.8	18.3
22.5°	1162.2	1161.0	1123.2	1055.1	944.2	801.7	638.2	471.5	311.0	186.0	15.3
25°	1152.2	1156.7	1135.2	1084.6	978.2	831.5	655.2	471.5	300.7	172.3	12.8
27.5°	1106.6	1109.7	1096.1	1057.3	958.2	810.0	631.4	441.2	270.9	148.0	10.5
30°	1075.4	1076.6	1059.8	1018.3	913.1	760.9	575.4	385.1	225.8	118.7	7.8
32.5°	1037.3	1037.0	1017.5	969.9	854.0	692.0	504.3	318.2	173.5	90.1	4.5
35°	981.7	975.5	948.9	894.1	765.9	599.4	413.4	242.4	124.9	63.8	2.8
37.5°	905.3	889.1	851.5	778.2	642.2	470.0	306.5	170.3	85.4	42.3	1.8
40°	782.9	765.6	714.6	625.4	485.7	338.3	206.6	110.9	53.8	25.3	1.0
42.5°	613.9	602.1	533.3	444.4	320.7	215.8	124.2	65.6	30.3	14.5	0.3
45°	424.1	408.9	354.8	279.4	192.5	119.7	69.6	34.3	17.3	8.8	0.0
47.5°	234.1	215.3	184.0	144.7	96.9	62.8	35.1	18.5	9.8	4.3	0.0
50°	93.6	92.9	73.9	52.6	37.1	28.5	17.5	10.0	5.0	1.5	0.3
52.5°	32.8	32.8	28.3	23.0	18.0	13.0	8.8	4.8	1.8	0.5	0.3
55°	7.3	8.0	7.5	7.0	6.8	5.8	3.8	1.8	0.5	0.0	0.3
57.5°	0.8	0.8	0.8	1.0	1.3	1.3	1.0	0.5	0.0	0.0	0.3
60°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.5
62.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.5
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
75°	0.0	0.0	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.8
77.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5
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°	13.0	10.3	8.5	7.5	7.3
5°	12.3	7.8	5.5	4.8	4.5
7.5°	11.0	5.8	3.8	3.0	2.8
10°	9.5	4.3	2.5	1.8	1.8
12.5°	8.0	3.3	1.5	0.8	0.5
15°	6.5	2.0	0.5	0.3	0.3
17.5°	5.0	1.3	0.0	0.0	0.0
20°	4.0	0.5	0.0	0.0	0.0
22.5°	3.0	0.3	0.0	0.0	0.0
25°	2.0	0.0	0.0	0.0	0.0
27.5°	1.3	0.0	0.0	0.0	0.0
30°	0.8	0.0	0.0	0.0	0.0
32.5°	0.3	0.0	0.0	0.0	0.0
35°	0.3	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°	0.3	0.0	0.0	0.3	0.3
47.5°	0.3	0.3	0.3	0.5	0.5
50°	0.3	0.3	0.3	0.5	0.8
52.5°	0.5	0.3	0.5	0.8	0.8
55°	0.5	0.5	0.8	1.0	1.0
57.5°	0.5	0.5	0.8	1.0	1.0
60°	0.5	0.5	0.8	1.0	1.3
62.5°	0.8	0.8	0.8	1.0	1.0
65°	0.8	0.8	0.8	1.0	1.3
67.5°	0.8	0.8	0.8	1.0	1.3
70°	0.8	0.8	0.8	1.0	1.0
72.5°	1.0	0.8	0.8	1.0	1.0
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.5	0.8	0.8
80°	0.8	0.5	0.5	0.5	0.5
82.5°	0.8	0.5	0.5	0.5	0.5
85°	0.8	0.5	0.3	0.3	0.3
87.5°	0.8	0.5	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)