

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: P1337848

Luminaire Tested: P3A05R309035DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337848
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: P3A05R309035DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

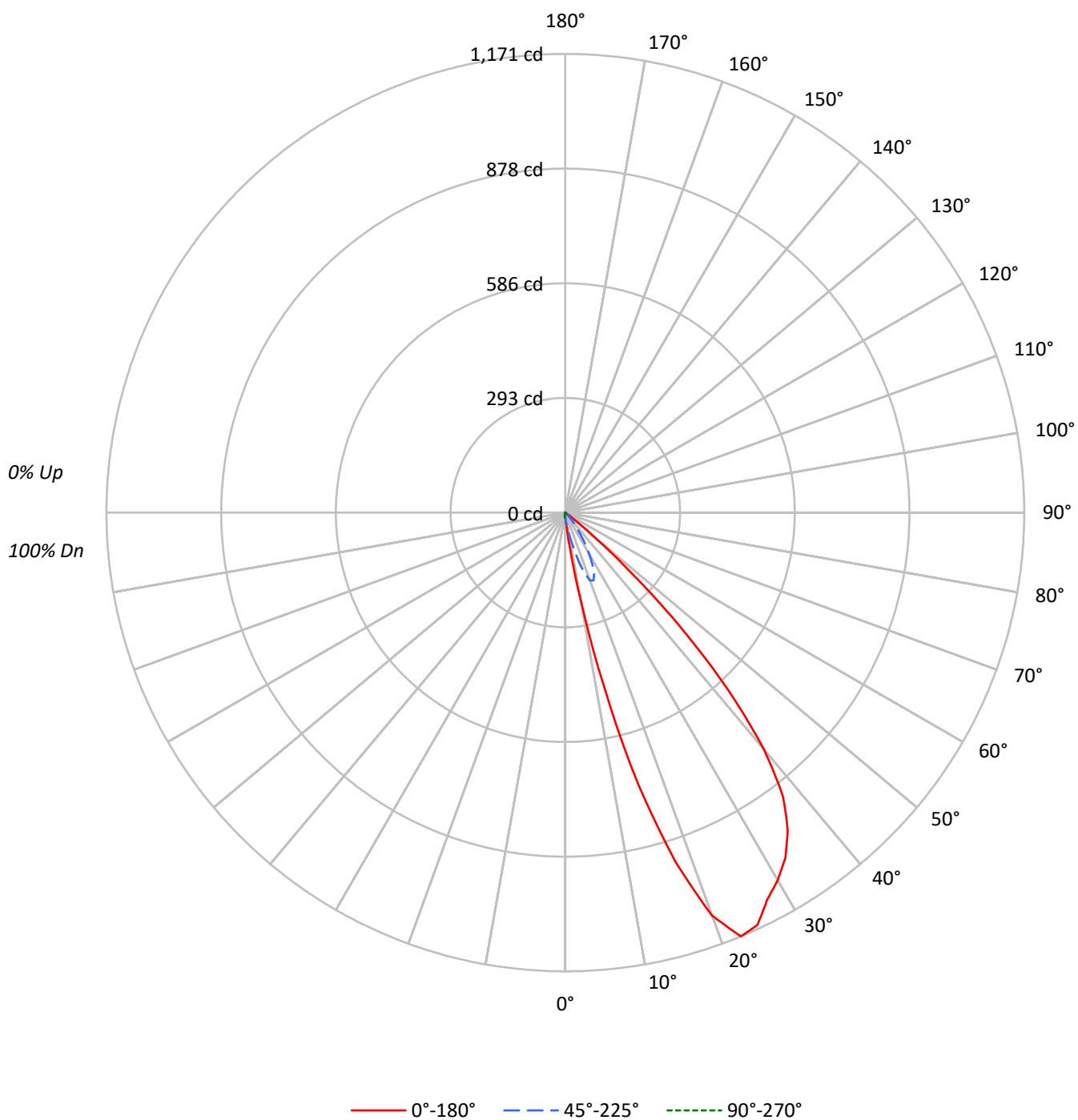
Lumens per Lamp: N/A
Luminaire Lumens: 276.1 lumens
Efficiency: N/A
Efficacy: 38.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		89
3	99	92	86	81	97	90	85	81	87	83	79		85	81	78		83
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	63	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	53	63	57	52		61	56	52		60
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56
9	66	55	48	43	65	55	48	43	53	47	43		52	47	43		52
10	62	51	44	39	61	50	44	39	49	43	39		49	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2873	2873	2873	2873	2873
5°	8651	5767	2729	1211	991
10°	50144	12246	2138	557	401
15°	163111	27764	1498	114	68
20°	255242	42960	933	0	0
25°	280807	41978	484	0	0
30°	274270	30258	203	0	0
35°	264721	17213	80	0	0
40°	225737	7299	0	0	0
45°	132479	2729	93	0	93
50°	32170	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: 132479 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.9
10°-20°	37.9	13.7
20°-30°	96.4	34.9
30°-40°	96.1	34.8
40°-50°	38.9	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°	136.7	49.5
0°-40°	232.8	84.3
0°-60°	274.5	99.4
0°-90°	276.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	276.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	39	26	12	6	4	9
15°	718	122	7	0	0	209
25°	1161	174	2	0	0	524
35°	989	64	0	0	0	606
45°	427	9	0	0	0	326
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°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
2.5°	21.7	21.9	21.9	21.4	21.2	21.2	20.4	20.2	19.4	18.7	16.1
5°	39.3	38.6	37.6	37.6	35.3	34.0	32.3	30.3	28.8	26.2	18.7
7.5°	89.3	83.2	81.5	79.2	70.6	63.8	56.0	49.2	42.9	37.6	20.7
10°	225.2	213.4	203.5	183.6	158.6	134.7	112.5	86.8	69.1	55.0	22.2
12.5°	453.7	437.8	418.9	382.6	335.9	276.2	223.2	166.7	117.0	81.0	22.7
15°	718.5	691.5	662.0	615.9	539.5	453.7	358.1	268.1	187.9	122.3	22.2
17.5°	934.4	923.8	880.2	817.1	723.6	613.1	495.3	372.2	253.5	160.1	20.7
20°	1093.8	1086.5	1033.8	966.7	861.3	734.7	585.1	437.3	299.1	184.1	18.4
22.5°	1170.7	1169.5	1131.4	1062.8	951.0	807.5	642.9	474.9	313.2	187.4	15.4
25°	1160.6	1165.2	1143.5	1092.5	985.3	837.6	660.0	474.9	302.9	173.5	12.9
27.5°	1114.7	1117.8	1104.1	1065.0	965.2	815.9	636.1	444.4	272.9	149.1	10.6
30°	1083.2	1084.5	1067.6	1025.7	919.8	766.4	579.6	387.9	227.5	119.5	7.8
32.5°	1044.9	1044.6	1024.9	977.0	860.3	697.1	507.9	320.5	174.8	90.8	4.5
35°	988.9	982.6	955.8	900.6	771.5	603.8	416.4	244.1	125.8	64.3	2.8
37.5°	912.0	895.6	857.7	783.8	646.9	473.4	308.7	171.5	86.0	42.6	1.8
40°	788.6	771.2	719.8	630.0	489.3	340.7	208.1	111.7	54.2	25.5	1.0
42.5°	618.4	606.5	537.2	447.7	323.1	217.4	125.1	66.1	30.5	14.6	0.3
45°	427.2	411.8	357.4	281.5	193.9	120.6	70.1	34.6	17.4	8.8	0.0
47.5°	235.8	216.9	185.4	145.8	97.6	63.3	35.3	18.7	9.8	4.3	0.0
50°	94.3	93.6	74.4	53.0	37.3	28.8	17.7	10.1	5.0	1.5	0.3
52.5°	33.0	33.0	28.5	23.2	18.2	13.1	8.8	4.8	1.8	0.5	0.3
55°	7.3	8.1	7.6	7.1	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°	13.1	13.1	13.1	13.1	13.1
2.5°	13.1	10.3	8.6	7.6	7.3
5°	12.4	7.8	5.5	4.8	4.5
7.5°	11.1	5.8	3.8	3.0	2.8
10°	9.6	4.3	2.5	1.8	1.8
12.5°	8.1	3.3	1.5	0.8	0.5
15°	6.6	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)