

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: P1345222

Luminaire Tested: P3A13R30W2N902750DE010 E3A301MW_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345222
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: P3A13R30W2N902750DE010 E3A301MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
E3A301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

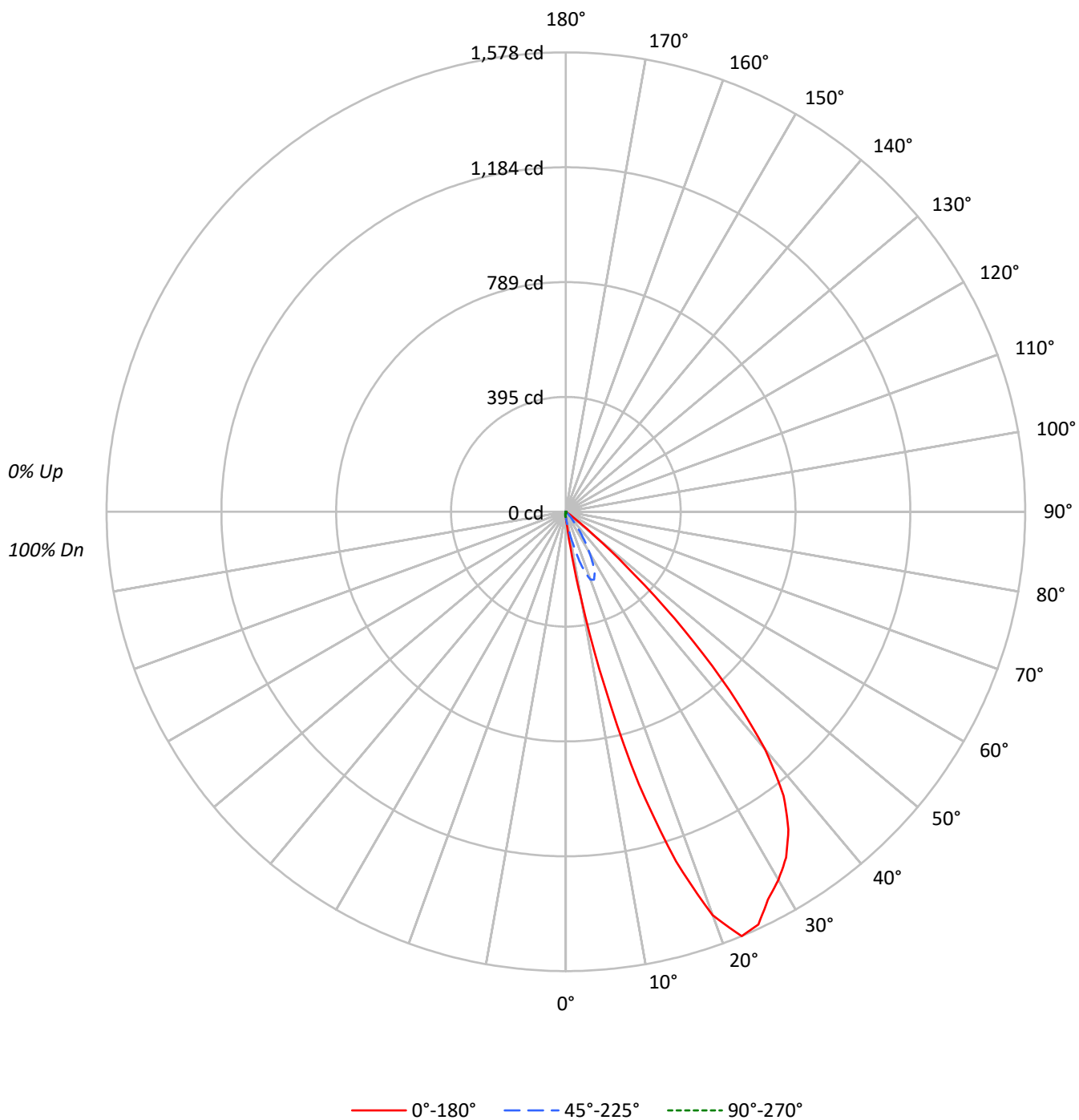
Lumens per Lamp: N/A
Luminaire Lumens: 372.0 lumens
Efficiency: N/A
Efficacy: 30.2 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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
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°	3881	3881	3881	3881	3881
5°	11666	7792	3676	1651	1343
10°	67601	16499	2872	757	534
15°	219842	37435	1998	159	68
20°	344010	57895	1260	0	0
25°	378482	56592	653	0	0
30°	369677	40791	253	0	0
35°	356780	23209	80	0	0
40°	304256	9818	0	0	0
45°	178561	3690	93	0	93
50°	43359	682	102	102	341
55°	3785	0	268	382	535
60°	132	0	307	439	746
65°	156	156	519	519	882
70°	192	192	641	641	898
75°	0	254	847	847	847
80°	0	379	1263	884	884
85°	0	755	2516	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 178561 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.9
10°-20°	51.1	13.7
20°-30°	129.9	34.9
30°-40°	129.5	34.8
40°-50°	52.5	14.1
50°-60°	3.6	1.0
60°-70°	0.8	0.2
70°-80°	0.8	0.2
80°-90°	0.5	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°	184.3	49.5
0°-40°	313.8	84.4
0°-60°	369.9	99.4
0°-90°	372.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	372.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	53	35	17	8	6	12
15°	968	165	9	1	0	282
25°	1564	234	3	0	0	706
35°	1333	87	0	0	0	817
45°	576	12	0	0	0	439
55°	10	0	1	1	1	26
65°	0	0	1	1	2	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°	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
2.5°	29.2	29.6	29.6	28.9	28.6	28.6	27.5	27.2	26.2	25.2	21.8
5°	53.0	52.0	50.6	50.6	47.6	45.9	43.5	40.8	38.8	35.4	25.2
7.5°	120.3	112.2	109.8	106.7	95.2	86.0	75.5	66.3	57.8	50.6	27.9
10°	303.6	287.6	274.3	247.5	213.8	181.5	151.6	116.9	93.1	74.1	29.9
12.5°	611.5	590.1	564.6	515.7	452.8	372.2	300.8	224.7	157.7	109.1	30.6
15°	968.4	932.1	892.3	830.1	727.1	611.5	482.7	361.3	253.2	164.9	29.9
17.5°	1259.4	1245.1	1186.3	1101.3	975.2	826.4	667.6	501.7	341.6	215.9	27.9
20°	1474.2	1464.4	1393.3	1302.9	1160.8	990.2	788.6	589.4	403.1	248.1	24.8
22.5°	1577.9	1576.2	1524.9	1432.4	1281.8	1088.4	866.5	640.1	422.2	252.6	20.7
25°	1564.3	1570.4	1541.2	1472.5	1328.1	1128.9	889.6	640.1	408.2	233.9	17.3
27.5°	1502.5	1506.5	1488.2	1435.5	1300.9	1099.7	857.3	598.9	367.8	200.9	14.3
30°	1460.0	1461.7	1438.9	1382.5	1239.7	1033.0	781.1	522.8	306.6	161.1	10.5
32.5°	1408.3	1408.0	1381.4	1316.9	1159.5	939.5	684.6	432.0	235.6	122.4	6.1
35°	1332.8	1324.3	1288.3	1213.9	1039.8	813.8	561.2	329.0	169.6	86.7	3.7
37.5°	1229.2	1207.1	1156.1	1056.5	871.9	638.0	416.1	231.1	115.9	57.4	2.4
40°	1062.9	1039.5	970.1	849.1	659.5	459.2	280.4	150.6	73.1	34.3	1.4
42.5°	833.5	817.5	724.0	603.4	435.4	293.0	168.6	89.1	41.1	19.7	0.3
45°	575.8	555.1	481.7	379.4	261.4	162.5	94.5	46.6	23.5	11.9	0.0
47.5°	317.8	292.3	249.8	196.5	131.6	85.3	47.6	25.2	13.3	5.8	0.0
50°	127.1	126.1	100.3	71.4	50.3	38.8	23.8	13.6	6.8	2.0	0.3
52.5°	44.5	44.5	38.4	31.3	24.5	17.7	11.9	6.5	2.4	0.7	0.3
55°	9.9	10.9	10.2	9.5	9.2	7.8	5.1	2.4	0.7	0.0	0.3
57.5°	1.0	1.0	1.0	1.4	1.7	1.7	1.4	0.7	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	0.7
62.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.7
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
75°	0.0	0.0	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	1.0
77.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7
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°	17.7	17.7	17.7	17.7	17.7
2.5°	17.7	13.9	11.6	10.2	9.9
5°	16.7	10.5	7.5	6.5	6.1
7.5°	15.0	7.8	5.1	4.1	3.7
10°	12.9	5.8	3.4	2.4	2.4
12.5°	10.9	4.4	2.0	1.0	0.7
15°	8.8	2.7	0.7	0.3	0.3
17.5°	6.8	1.7	0.0	0.0	0.0
20°	5.4	0.7	0.0	0.0	0.0
22.5°	4.1	0.3	0.0	0.0	0.0
25°	2.7	0.0	0.0	0.0	0.0
27.5°	1.7	0.0	0.0	0.0	0.0
30°	1.0	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	0.7	0.7
50°	0.3	0.3	0.3	0.7	1.0
52.5°	0.7	0.3	0.7	1.0	1.0
55°	0.7	0.7	1.0	1.4	1.4
57.5°	0.7	0.7	1.0	1.4	1.4
60°	0.7	0.7	1.0	1.4	1.7
62.5°	1.0	1.0	1.0	1.4	1.4
65°	1.0	1.0	1.0	1.4	1.7
67.5°	1.0	1.0	1.0	1.4	1.7
70°	1.0	1.0	1.0	1.4	1.4
72.5°	1.4	1.0	1.0	1.4	1.4
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	0.7	1.0	1.0
80°	1.0	0.7	0.7	0.7	0.7
82.5°	1.0	0.7	0.7	0.7	0.7
85°	1.0	0.7	0.3	0.3	0.3
87.5°	1.0	0.7	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)