

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: P1345318

Luminaire Tested: P3A13R30W2N902765DE010 E3A301WMH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345318
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: P3A13R30W2N902765DE010 E3A301WMH_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

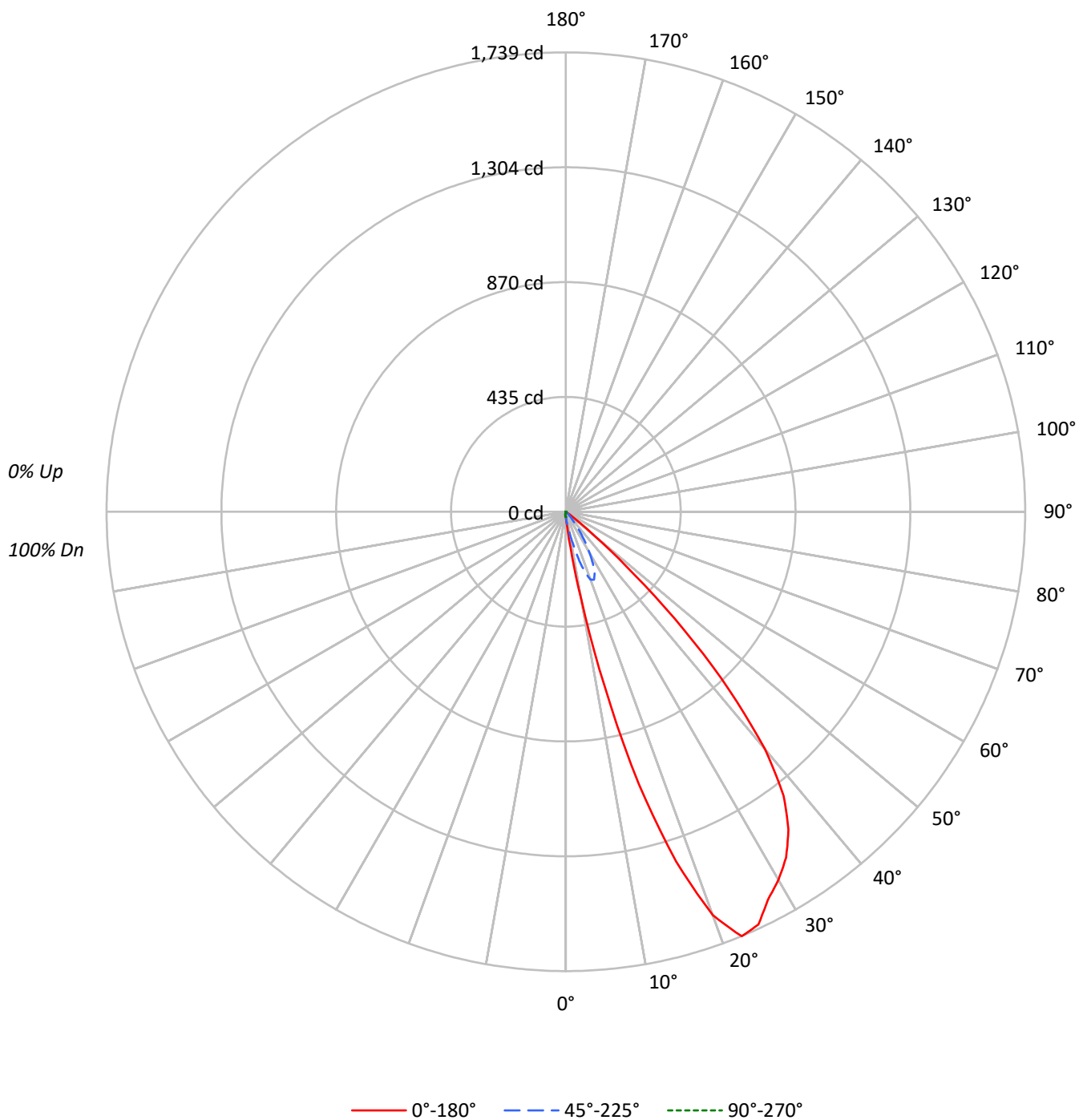
Lumens per Lamp: N/A
Luminaire Lumens: 410.0 lumens
Efficiency: N/A
Efficacy: 33.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	4276	4276	4276	4276	4276
5°	12855	8585	4050	1805	1475
10°	74503	18192	3162	824	579
15°	242317	41249	2202	159	91
20°	379153	63822	1400	0	0
25°	417145	62375	726	0	0
30°	407430	44969	279	0	0
35°	393240	25565	107	0	0
40°	335343	10820	0	0	0
45°	196827	4062	124	0	124
50°	47794	751	136	136	375
55°	4167	0	268	421	573
60°	175	0	307	482	833
65°	208	208	571	571	986
70°	256	256	705	705	962
75°	0	339	932	932	932
80°	0	505	1389	884	884
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 196827 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.9
10°-20°	56.4	13.7
20°-30°	143.2	34.9
30°-40°	142.7	34.8
40°-50°	57.8	14.1
50°-60°	4.0	1.0
60°-70°	0.9	0.2
70°-80°	0.9	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°	203.1	49.5
0°-40°	345.9	84.4
0°-60°	407.7	99.4
0°-90°	410.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	410.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	58	39	18	8	7	14
15°	1067	182	10	1	0	311
25°	1724	258	3	0	0	778
35°	1469	96	0	0	0	900
45°	635	13	0	0	0	484
55°	11	0	1	1	2	28
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°	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
2.5°	32.2	32.6	32.6	31.8	31.5	31.5	30.3	30.0	28.8	27.7	24.0
5°	58.4	57.3	55.8	55.8	52.5	50.6	48.0	45.0	42.7	39.0	27.7
7.5°	132.6	123.6	121.0	117.6	104.9	94.8	83.2	73.1	63.7	55.8	30.7
10°	334.6	317.0	302.3	272.7	235.7	200.1	167.1	128.9	102.7	81.7	33.0
12.5°	674.0	650.4	622.3	568.3	499.0	410.2	331.6	247.6	173.8	120.3	33.7
15°	1067.4	1027.3	983.4	914.9	801.4	674.0	532.0	398.2	279.1	181.7	33.0
17.5°	1388.1	1372.3	1307.5	1213.9	1074.9	910.8	735.8	553.0	376.5	237.9	30.7
20°	1624.8	1614.0	1535.7	1436.0	1279.4	1091.3	869.2	649.6	444.3	273.5	27.3
22.5°	1739.1	1737.2	1680.7	1578.8	1412.8	1199.6	955.0	705.5	465.3	278.4	22.9
25°	1724.1	1730.9	1698.6	1623.0	1463.7	1244.2	980.4	705.5	449.9	257.8	19.1
27.5°	1655.9	1660.4	1640.2	1582.1	1433.8	1212.0	944.9	660.1	405.4	221.4	15.7
30°	1609.1	1611.0	1585.9	1523.7	1366.3	1138.5	860.9	576.2	337.9	177.6	11.6
32.5°	1552.2	1551.8	1522.6	1451.4	1277.9	1035.5	754.5	476.2	259.6	134.9	6.7
35°	1469.0	1459.6	1419.9	1337.9	1146.0	896.9	618.5	362.7	186.9	95.5	4.1
37.5°	1354.7	1330.4	1274.2	1164.4	961.0	703.2	458.6	254.8	127.8	63.3	2.6
40°	1171.5	1145.7	1069.2	935.9	726.8	506.1	309.1	166.0	80.5	37.8	1.5
42.5°	918.6	901.0	798.0	665.0	479.9	322.9	185.8	98.2	45.3	21.7	0.4
45°	634.7	611.8	530.9	418.1	288.1	179.1	104.2	51.3	25.9	13.1	0.0
47.5°	350.3	322.2	275.4	216.5	145.0	94.0	52.5	27.7	14.6	6.4	0.0
50°	140.1	139.0	110.5	78.7	55.4	42.7	26.2	15.0	7.5	2.2	0.4
52.5°	49.1	49.1	42.3	34.5	27.0	19.5	13.1	7.1	2.6	0.7	0.4
55°	10.9	12.0	11.2	10.5	10.1	8.6	5.6	2.6	0.7	0.0	0.4
57.5°	1.1	1.1	1.1	1.5	1.9	1.9	1.5	0.7	0.0	0.0	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.7
62.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.7
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
75°	0.0	0.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	1.1
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	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°	19.5	19.5	19.5	19.5	19.5
2.5°	19.5	15.4	12.7	11.2	10.9
5°	18.4	11.6	8.2	7.1	6.7
7.5°	16.5	8.6	5.6	4.5	4.1
10°	14.2	6.4	3.7	2.6	2.6
12.5°	12.0	4.9	2.2	1.1	0.7
15°	9.7	3.0	0.7	0.4	0.4
17.5°	7.5	1.9	0.0	0.0	0.0
20°	6.0	0.7	0.0	0.0	0.0
22.5°	4.5	0.4	0.0	0.0	0.0
25°	3.0	0.0	0.0	0.0	0.0
27.5°	1.9	0.0	0.0	0.0	0.0
30°	1.1	0.0	0.0	0.0	0.0
32.5°	0.4	0.0	0.0	0.0	0.0
35°	0.4	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°	0.4	0.0	0.0	0.4	0.4
47.5°	0.4	0.4	0.4	0.7	0.7
50°	0.4	0.4	0.4	0.7	1.1
52.5°	0.7	0.4	0.7	1.1	1.1
55°	0.7	0.7	1.1	1.5	1.5
57.5°	0.7	0.7	1.1	1.5	1.5
60°	0.7	0.7	1.1	1.5	1.9
62.5°	1.1	1.1	1.1	1.5	1.5
65°	1.1	1.1	1.1	1.5	1.9
67.5°	1.1	1.1	1.1	1.5	1.9
70°	1.1	1.1	1.1	1.5	1.5
72.5°	1.5	1.1	1.1	1.5	1.5
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	0.7	1.1	1.1
80°	1.1	0.7	0.7	0.7	0.7
82.5°	1.1	0.7	0.7	0.7	0.7
85°	1.1	0.7	0.4	0.4	0.4
87.5°	1.1	0.7	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)