

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: P1345152

Luminaire Tested: P3A13R30B2750DE010 E3A301WMH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345152
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: P3A13R30B2750DE010 E3A301WMH_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

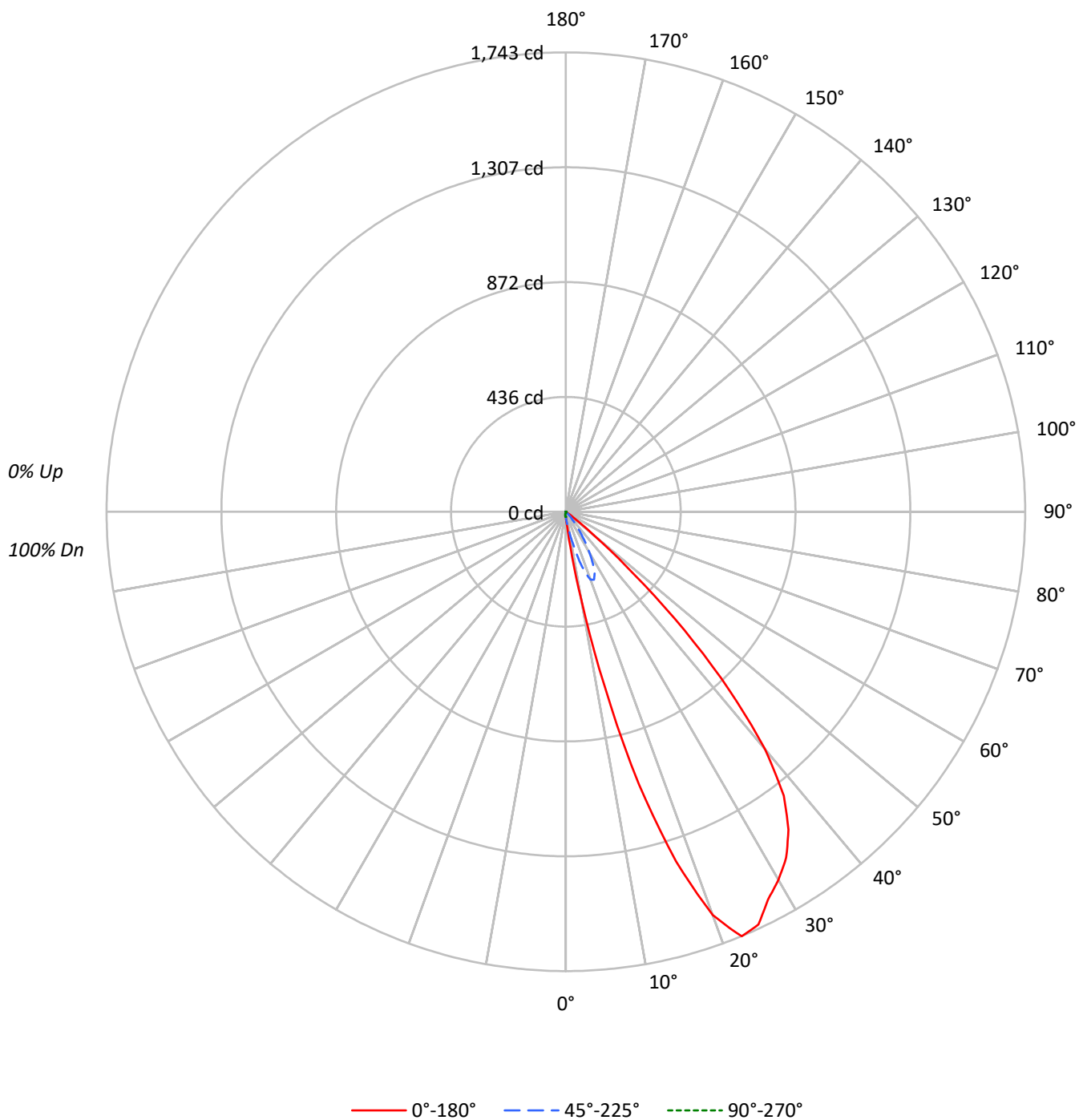
Lumens per Lamp: N/A
Luminaire Lumens: 411.0 lumens
Efficiency: N/A
Efficacy: 21.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.1
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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4276	4276	4276	4276	4276
5°	12899	8607	4050	1827	1497
10°	74681	18236	3184	846	579
15°	242907	41340	2225	182	91
20°	380086	63986	1400	0	0
25°	418161	62520	726	0	0
30°	408417	45070	279	0	0
35°	394204	25645	107	0	0
40°	336173	10849	0	0	0
45°	197292	4062	124	0	124
50°	47930	785	136	136	375
55°	4167	0	306	421	573
60°	175	0	351	482	833
65°	208	208	571	571	986
70°	256	256	705	705	962
75°	0	339	932	932	932
80°	0	505	1389	1010	1010
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 197292 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.9
10°-20°	56.5	13.7
20°-30°	143.5	34.9
30°-40°	143.1	34.8
40°-50°	58.0	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°	203.6	49.5
0°-40°	346.7	84.3
0°-60°	408.7	99.4
0°-90°	411.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	411.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	59	39	18	8	7	14
15°	1070	182	10	1	0	311
25°	1728	258	3	0	0	780
35°	1473	96	0	0	0	903
45°	636	13	0	0	0	485
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°	32.3	32.7	32.7	31.9	31.5	31.5	30.4	30.0	28.9	27.8	24.0
5°	58.6	57.5	56.0	56.0	52.6	50.7	48.1	45.1	42.8	39.1	27.8
7.5°	132.9	123.9	121.3	117.9	105.2	95.0	83.4	73.2	63.8	56.0	30.8
10°	335.4	317.7	303.1	273.4	236.2	200.5	167.5	129.2	102.9	81.9	33.0
12.5°	675.6	652.0	623.8	569.7	500.2	411.2	332.4	248.2	174.3	120.6	33.8
15°	1070.0	1029.8	985.8	917.1	803.3	675.6	533.3	399.2	279.8	182.1	33.0
17.5°	1391.4	1375.7	1310.7	1216.8	1077.5	913.0	737.6	554.3	377.4	238.5	30.8
20°	1628.8	1617.9	1539.4	1439.5	1282.5	1094.0	871.3	651.2	445.4	274.2	27.4
22.5°	1743.3	1741.5	1684.8	1582.6	1416.2	1202.5	957.3	707.2	466.4	279.0	22.9
25°	1728.3	1735.1	1702.8	1626.9	1467.3	1247.2	982.8	707.2	451.0	258.4	19.2
27.5°	1660.0	1664.5	1644.2	1586.0	1437.3	1214.9	947.2	661.7	406.4	222.0	15.8
30°	1613.0	1614.9	1589.7	1527.4	1369.7	1141.3	863.0	577.6	338.8	178.0	11.6
32.5°	1555.9	1555.6	1526.3	1454.9	1281.0	1038.0	756.4	477.3	260.3	135.2	6.8
35°	1472.6	1463.2	1423.4	1341.1	1148.8	899.1	620.0	363.5	187.4	95.8	4.1
37.5°	1358.0	1333.6	1277.3	1167.2	963.3	704.9	459.7	255.4	128.1	63.5	2.6
40°	1174.4	1148.5	1071.8	938.1	728.6	507.4	309.8	166.4	80.7	37.9	1.5
42.5°	920.9	903.2	799.9	666.6	481.1	323.7	186.3	98.4	45.4	21.8	0.4
45°	636.2	613.3	532.2	419.1	288.8	179.5	104.4	51.5	25.9	13.1	0.0
47.5°	351.1	323.0	276.0	217.1	145.3	94.3	52.6	27.8	14.6	6.4	0.0
50°	140.5	139.3	110.8	78.9	55.6	42.8	26.3	15.0	7.5	2.3	0.4
52.5°	49.2	49.2	42.4	34.6	27.0	19.5	13.1	7.1	2.6	0.8	0.4
55°	10.9	12.0	11.3	10.5	10.1	8.6	5.6	2.6	0.8	0.0	0.4
57.5°	1.1	1.1	1.1	1.5	1.9	1.9	1.5	0.8	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	0.8
62.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.8
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
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	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
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	12.8	11.3	10.9
5°	18.4	11.6	8.3	7.1	6.8
7.5°	16.5	8.6	5.6	4.5	4.1
10°	14.3	6.4	3.8	2.6	2.6
12.5°	12.0	4.9	2.3	1.1	0.8
15°	9.8	3.0	0.8	0.4	0.4
17.5°	7.5	1.9	0.0	0.0	0.0
20°	6.0	0.8	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	0.8	0.8
50°	0.4	0.4	0.4	0.8	1.1
52.5°	0.8	0.4	0.8	1.1	1.1
55°	0.8	0.8	1.1	1.5	1.5
57.5°	0.8	0.8	1.1	1.5	1.5
60°	0.8	0.8	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	0.8	1.1	1.1
80°	1.1	0.8	0.8	0.8	0.8
82.5°	1.1	0.8	0.8	0.8	0.8
85°	1.1	0.8	0.4	0.4	0.4
87.5°	1.1	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)