

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: P1345156

Luminaire Tested: P3A13R30B2750DE010 E3A301WMH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345156
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 80CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

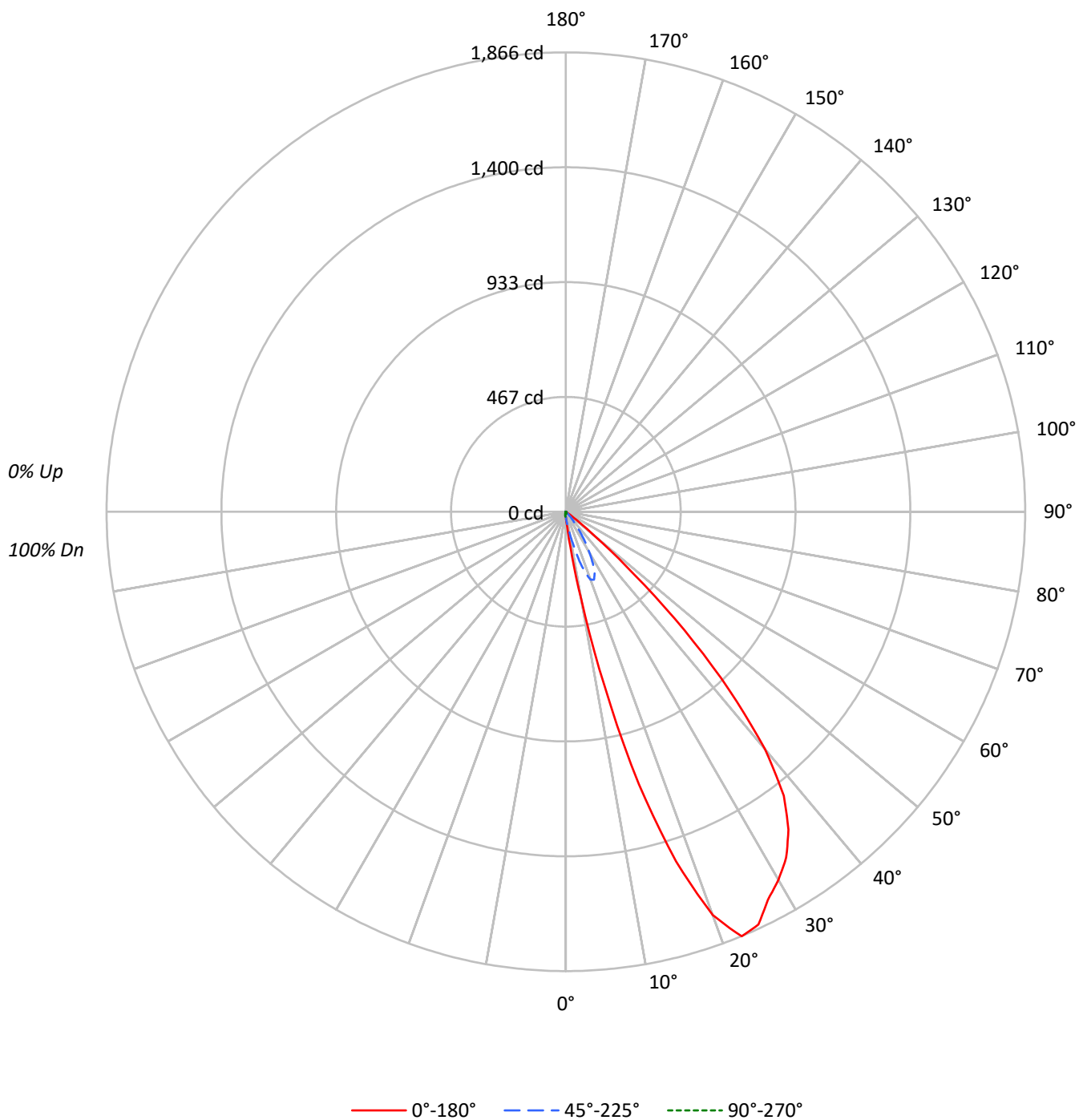
Lumens per Lamp: N/A
Luminaire Lumens: 440.0 lumens
Efficiency: N/A
Efficacy: 23.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4583	4583	4583	4583	4583
5°	13801	9201	4336	1937	1585
10°	79936	19505	3407	891	623
15°	260047	44268	2384	182	91
20°	406899	68489	1493	0	0
25°	447679	66923	774	0	0
30°	437232	48261	304	0	0
35°	422017	27438	107	0	0
40°	359874	11622	0	0	0
45°	211216	4373	124	0	124
50°	51307	819	136	136	409
55°	4473	0	306	459	612
60°	175	0	351	526	877
65°	208	208	623	623	1038
70°	256	256	769	769	1026
75°	0	339	1017	1017	1017
80°	0	505	1515	1010	1010
85°	0	1006	3019	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 211216 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.9
10°-20°	60.5	13.7
20°-30°	153.7	34.9
30°-40°	153.2	34.8
40°-50°	62.1	14.1
50°-60°	4.3	1.0
60°-70°	1.0	0.2
70°-80°	1.0	0.2
80°-90°	0.6	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°	218.0	49.5
0°-40°	371.2	84.4
0°-60°	437.5	99.4
0°-90°	440.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	440.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	21	21	21	21	21	
5°	63	42	20	9	7	15
15°	1146	195	10	1	0	333
25°	1850	277	3	0	0	835
35°	1576	102	0	0	0	966
45°	681	14	0	0	0	520
55°	12	0	1	1	2	30
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°	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
2.5°	34.6	35.0	35.0	34.2	33.8	33.8	32.6	32.2	31.0	29.8	25.7
5°	62.7	61.5	59.9	59.9	56.3	54.3	51.5	48.2	45.8	41.8	29.8
7.5°	142.3	132.7	129.9	126.2	112.6	101.7	89.3	78.4	68.4	59.9	33.0
10°	359.0	340.1	324.5	292.7	252.9	214.7	179.3	138.3	110.2	87.6	35.4
12.5°	723.3	698.0	667.8	609.9	535.5	440.3	355.8	265.8	186.6	129.1	36.2
15°	1145.5	1102.4	1055.4	981.8	860.0	723.3	570.9	427.4	299.5	195.0	35.4
17.5°	1489.6	1472.7	1403.2	1302.7	1153.5	977.4	789.6	593.4	404.1	255.3	33.0
20°	1743.7	1732.1	1648.0	1541.1	1373.0	1171.2	932.8	697.2	476.8	293.5	29.4
22.5°	1866.4	1864.3	1803.6	1694.3	1516.2	1287.4	1024.8	757.1	499.4	298.7	24.5
25°	1850.3	1857.5	1822.9	1741.7	1570.8	1335.2	1052.2	757.1	482.9	276.6	20.5
27.5°	1777.1	1781.9	1760.2	1697.9	1538.7	1300.7	1014.0	708.4	435.0	237.6	16.9
30°	1726.8	1728.9	1701.9	1635.2	1466.3	1221.9	923.9	618.4	362.7	190.6	12.5
32.5°	1665.7	1665.3	1634.0	1557.6	1371.4	1111.3	809.7	511.0	278.6	144.7	7.2
35°	1576.5	1566.4	1523.8	1435.8	1229.9	962.5	663.8	389.2	200.6	102.5	4.4
37.5°	1453.8	1427.7	1367.4	1249.6	1031.3	754.7	492.1	273.4	137.1	67.9	2.8
40°	1257.2	1229.5	1147.5	1004.3	780.0	543.2	331.7	178.1	86.4	40.6	1.6
42.5°	985.8	967.0	856.4	713.7	515.0	346.6	199.4	105.3	48.6	23.3	0.4
45°	681.1	656.6	569.7	448.7	309.2	192.2	111.8	55.1	27.7	14.1	0.0
47.5°	375.9	345.8	295.5	232.4	155.6	100.9	56.3	29.8	15.7	6.8	0.0
50°	150.4	149.2	118.6	84.4	59.5	45.8	28.1	16.1	8.0	2.4	0.4
52.5°	52.7	52.7	45.4	37.0	28.9	20.9	14.1	7.6	2.8	0.8	0.4
55°	11.7	12.9	12.1	11.3	10.9	9.2	6.0	2.8	0.8	0.0	0.4
57.5°	1.2	1.2	1.2	1.6	2.0	2.0	1.6	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	1.2
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
75°	0.0	0.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	1.2
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°	20.9	20.9	20.9	20.9	20.9
2.5°	20.9	16.5	13.7	12.1	11.7
5°	19.7	12.5	8.8	7.6	7.2
7.5°	17.7	9.2	6.0	4.8	4.4
10°	15.3	6.8	4.0	2.8	2.8
12.5°	12.9	5.2	2.4	1.2	0.8
15°	10.5	3.2	0.8	0.4	0.4
17.5°	8.0	2.0	0.0	0.0	0.0
20°	6.4	0.8	0.0	0.0	0.0
22.5°	4.8	0.4	0.0	0.0	0.0
25°	3.2	0.0	0.0	0.0	0.0
27.5°	2.0	0.0	0.0	0.0	0.0
30°	1.2	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	1.2
52.5°	0.8	0.4	0.8	1.2	1.2
55°	0.8	0.8	1.2	1.6	1.6
57.5°	0.8	0.8	1.2	1.6	1.6
60°	0.8	0.8	1.2	1.6	2.0
62.5°	1.2	1.2	1.2	1.6	1.6
65°	1.2	1.2	1.2	1.6	2.0
67.5°	1.2	1.2	1.2	1.6	2.0
70°	1.2	1.2	1.2	1.6	1.6
72.5°	1.6	1.2	1.2	1.6	1.6
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	0.8	1.2	1.2
80°	1.2	0.8	0.8	0.8	0.8
82.5°	1.2	0.8	0.8	0.8	0.8
85°	1.2	0.8	0.4	0.4	0.4
87.5°	1.2	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)