

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: P1345188

Luminaire Tested: P3A13R30B2750DE010 E3CA301MW_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345188
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 E3CA301MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

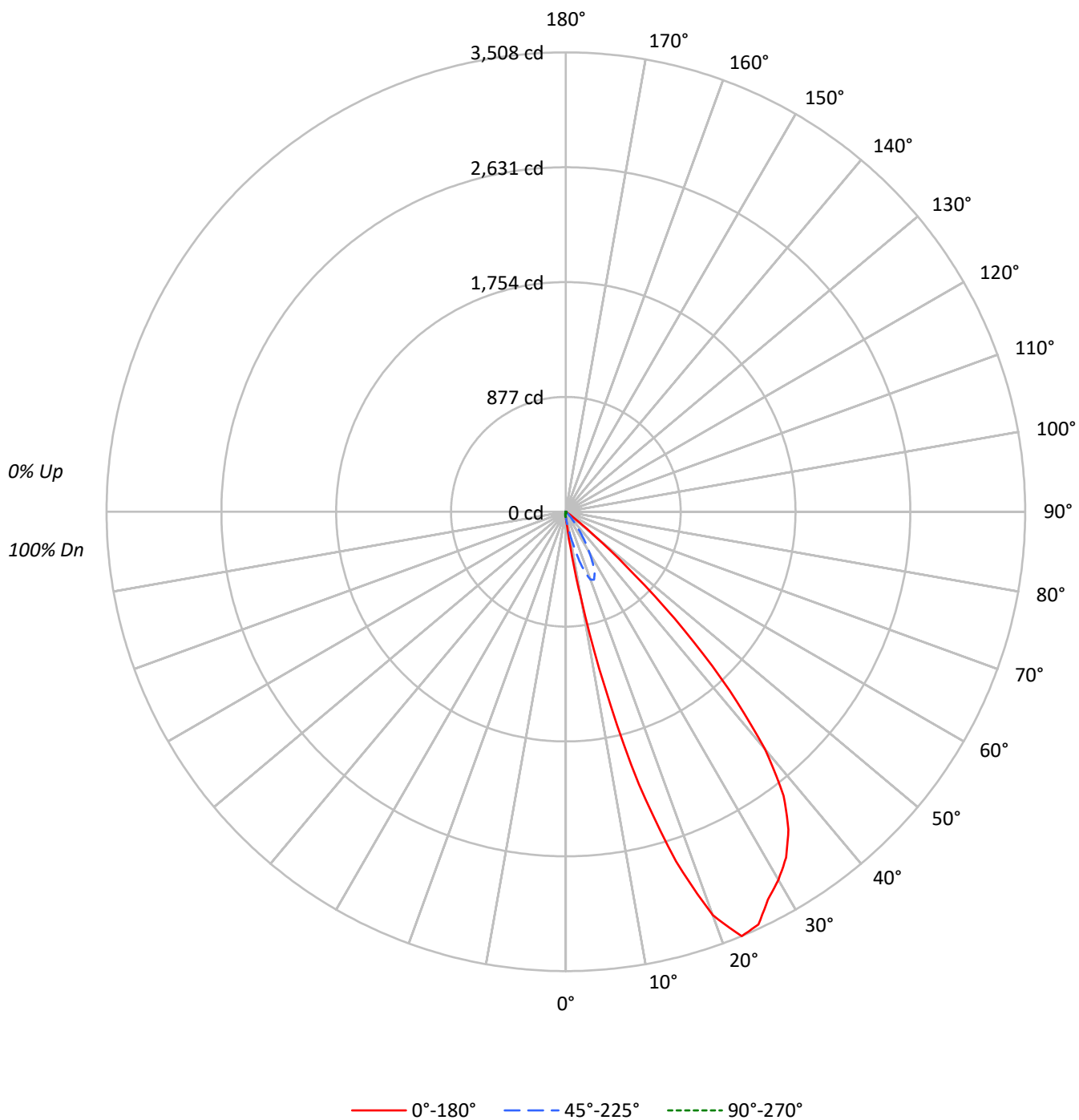
Lumens per Lamp: N/A
Luminaire Lumens: 827.1 lumens
Efficiency: N/A
Efficacy: 43.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	87	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°	8618	8618	8618	8618	8618
5°	25952	17301	8144	3654	2994
10°	150253	36673	6390	1692	1180
15°	488766	83201	4450	341	182
20°	764793	128741	2824	0	0
25°	841428	125790	1452	0	0
30°	821823	90697	582	0	0
35°	793199	51584	214	0	0
40°	676410	21841	0	0	0
45°	396971	8187	248	0	248
50°	96406	1535	273	273	785
55°	8372	0	573	879	1147
60°	351	0	658	1009	1667
65°	415	415	1193	1193	1972
70°	513	513	1475	1475	1923
75°	0	678	1949	1949	1949
80°	0	1010	2904	1894	1894
85°	0	2013	5787	2013	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 396971 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.9
10°-20°	113.7	13.7
20°-30°	288.8	34.9
30°-40°	287.9	34.8
40°-50°	116.6	14.1
50°-60°	8.1	1.0
60°-70°	1.8	0.2
70°-80°	1.8	0.2
80°-90°	1.1	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°	409.7	49.5
0°-40°	697.6	84.3
0°-60°	822.3	99.4
0°-90°	827.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	827.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	39	39	39	39	39	
5°	118	79	37	17	14	27
15°	2153	366	20	2	1	627
25°	3478	520	6	0	0	1570
35°	2963	193	1	0	0	1816
45°	1280	26	1	0	1	977
55°	22	0	2	2	3	57
65°	1	1	2	2	4	1
75°	0	1	2	2	2	0
85°	0	1	2	1	1	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°	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
2.5°	65.0	65.7	65.7	64.2	63.5	63.5	61.2	60.5	58.2	55.9	48.4
5°	117.9	115.6	112.6	112.6	105.8	102.0	96.7	90.7	86.1	78.6	55.9
7.5°	267.5	249.4	244.1	237.3	211.6	191.2	167.8	147.4	128.5	112.6	62.0
10°	674.8	639.3	609.8	550.1	475.3	403.5	337.0	260.0	207.1	164.7	66.5
12.5°	1359.5	1311.9	1255.2	1146.4	1006.6	827.5	668.8	499.5	350.6	242.6	68.0
15°	2153.0	2072.1	1983.7	1845.4	1616.4	1359.5	1073.1	803.3	563.0	366.5	66.5
17.5°	2799.8	2768.1	2637.4	2448.4	2168.1	1837.1	1484.2	1115.4	759.5	479.9	62.0
20°	3277.4	3255.5	3097.6	2896.6	2580.7	2201.3	1753.2	1310.4	896.2	551.7	55.2
22.5°	3507.9	3504.1	3390.0	3184.5	2849.7	2419.7	1926.3	1423.0	938.6	561.5	46.1
25°	3477.7	3491.3	3426.3	3273.6	2952.5	2509.6	1977.6	1423.0	907.6	519.9	38.5
27.5°	3340.1	3349.2	3308.4	3191.3	2892.0	2444.7	1905.8	1331.5	817.7	446.6	31.7
30°	3245.7	3249.5	3198.8	3073.4	2756.0	2296.5	1736.6	1162.2	681.6	358.2	23.4
32.5°	3130.8	3130.1	3071.1	2927.5	2577.7	2088.7	1522.0	960.5	523.7	272.0	13.6
35°	2963.1	2944.2	2864.1	2698.6	2311.7	1809.1	1247.6	731.5	377.1	192.7	8.3
37.5°	2732.6	2683.5	2570.1	2348.7	1938.3	1418.4	925.0	513.9	257.7	127.7	5.3
40°	2363.0	2310.9	2156.7	1887.7	1466.0	1020.9	623.4	334.8	162.5	76.3	3.0
42.5°	1852.9	1817.4	1609.6	1341.3	968.0	651.4	374.8	198.0	91.4	43.8	0.8
45°	1280.1	1234.0	1070.8	843.3	581.1	361.2	210.1	103.5	52.1	26.4	0.0
47.5°	706.6	649.9	555.4	436.8	292.5	189.7	105.8	55.9	29.5	12.8	0.0
50°	282.6	280.4	222.9	158.7	111.8	86.1	52.9	30.2	15.1	4.5	0.8
52.5°	99.0	99.0	85.4	69.5	54.4	39.3	26.4	14.4	5.3	1.5	0.8
55°	21.9	24.2	22.7	21.2	20.4	17.4	11.3	5.3	1.5	0.0	0.8
57.5°	2.3	2.3	2.3	3.0	3.8	3.8	3.0	1.5	0.0	0.0	0.8
60°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.5
62.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	1.5
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
75°	0.0	0.0	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8	2.3
77.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.5
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°	39.3	39.3	39.3	39.3	39.3
2.5°	39.3	31.0	25.7	22.7	21.9
5°	37.0	23.4	16.6	14.4	13.6
7.5°	33.3	17.4	11.3	9.1	8.3
10°	28.7	12.8	7.6	5.3	5.3
12.5°	24.2	9.8	4.5	2.3	1.5
15°	19.6	6.0	1.5	0.8	0.8
17.5°	15.1	3.8	0.0	0.0	0.0
20°	12.1	1.5	0.0	0.0	0.0
22.5°	9.1	0.8	0.0	0.0	0.0
25°	6.0	0.0	0.0	0.0	0.0
27.5°	3.8	0.0	0.0	0.0	0.0
30°	2.3	0.0	0.0	0.0	0.0
32.5°	0.8	0.0	0.0	0.0	0.0
35°	0.8	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°	0.8	0.0	0.0	0.8	0.8
47.5°	0.8	0.8	0.8	1.5	1.5
50°	0.8	0.8	0.8	1.5	2.3
52.5°	1.5	0.8	1.5	2.3	2.3
55°	1.5	1.5	2.3	3.0	3.0
57.5°	1.5	1.5	2.3	3.0	3.0
60°	1.5	1.5	2.3	3.0	3.8
62.5°	2.3	2.3	2.3	3.0	3.0
65°	2.3	2.3	2.3	3.0	3.8
67.5°	2.3	2.3	2.3	3.0	3.8
70°	2.3	2.3	2.3	3.0	3.0
72.5°	3.0	2.3	2.3	3.0	3.0
75°	2.3	2.3	2.3	2.3	2.3
77.5°	2.3	2.3	1.5	2.3	2.3
80°	2.3	1.5	1.5	1.5	1.5
82.5°	2.3	1.5	1.5	1.5	1.5
85°	2.3	1.5	0.8	0.8	0.8
87.5°	2.3	1.5	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)