

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: P1343620

Luminaire Tested: P3A13R15B2750DE010 E3A301GPH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1343620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R15B2750DE010 E3A301GPH_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

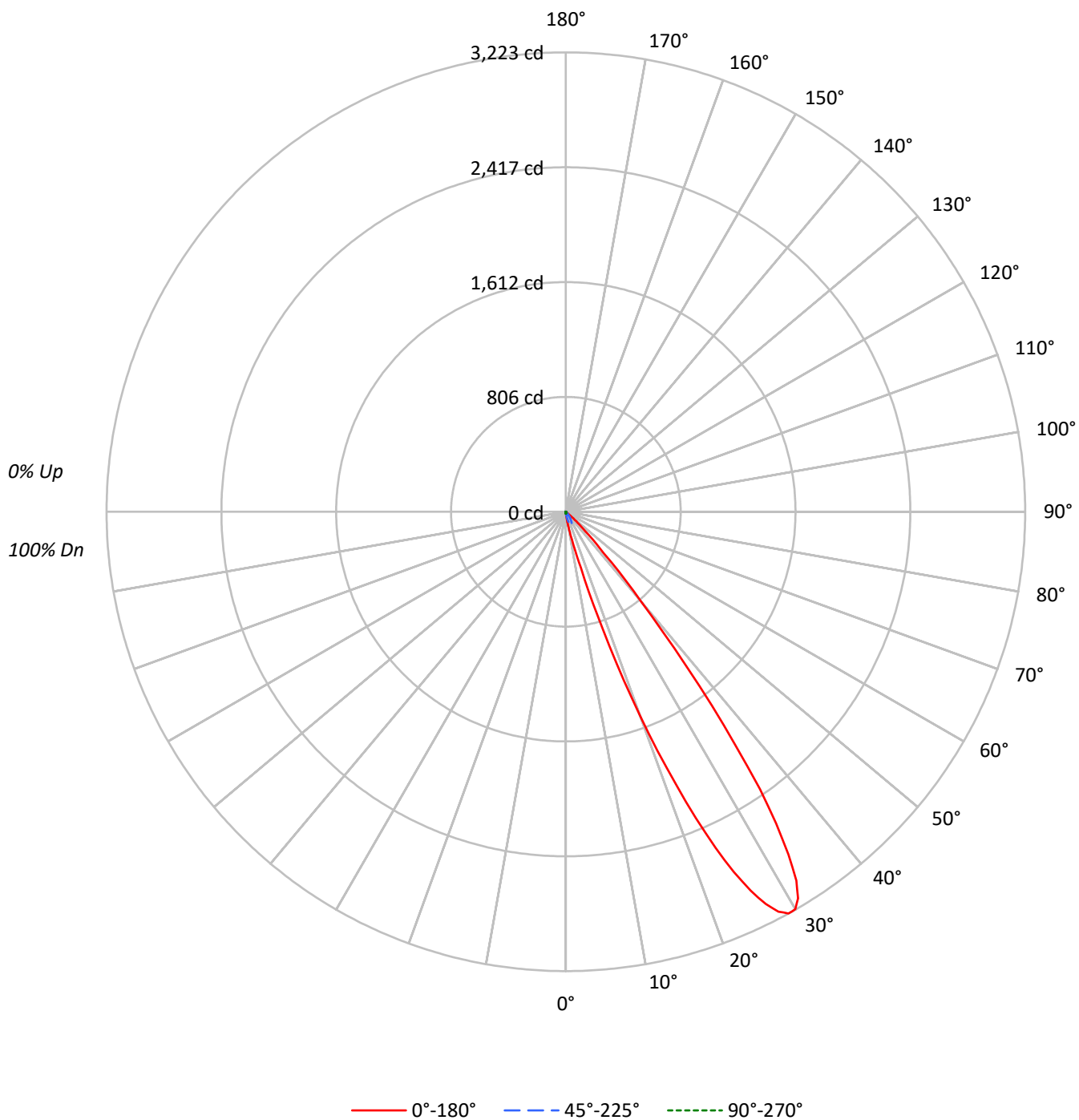
Lumens per Lamp: N/A
Luminaire Lumens: 352.0 lumens
Efficiency: N/A
Efficacy: 18.4 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	70	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	63	63	61
6	81	71	64	59	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	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2544	2544	2544	2544	2544
5°	5503	4072	2421	1277	1057
10°	24404	7704	1915	534	379
15°	92259	17798	1317	227	159
20°	354838	25086	793	70	70
25°	674773	23517	411	0	0
30°	815138	18990	177	0	0
35°	635742	12930	80	0	0
40°	232006	6383	86	0	86
45°	59572	1923	93	0	217
50°	10030	239	102	102	341
55°	1300	0	268	382	650
60°	132	132	439	614	921
65°	156	156	726	882	1090
70°	192	192	898	898	1090
75°	254	254	1186	847	1186
80°	0	379	1263	884	1263
85°	0	755	2516	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59572 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.5
10°-20°	27.0	7.7
20°-30°	149.6	42.5
30°-40°	144.5	41.1
40°-50°	25.1	7.1
50°-60°	1.8	0.5
60°-70°	1.1	0.3
70°-80°	0.9	0.2
80°-90°	0.4	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°	178.2	50.6
0°-40°	322.7	91.7
0°-60°	349.6	99.3
0°-90°	352.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	352.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	25	18	11	6	5	5
15°	406	78	6	1	1	181
25°	2789	97	2	0	0	1247
35°	2375	48	0	0	0	1366
45°	192	6	0	0	1	206
55°	3	0	1	1	2	7
65°	0	0	1	2	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°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
2.5°	17.1	16.4	16.8	16.8	16.8	16.8	16.8	16.1	16.1	16.4	14.7
5°	25.0	25.0	24.7	25.0	25.0	24.7	24.0	23.6	23.6	22.9	18.5
7.5°	50.0	49.3	49.3	48.6	45.2	44.2	43.5	41.8	38.7	38.0	24.0
10°	109.6	109.9	107.5	104.4	104.1	99.0	97.2	94.2	88.3	82.5	34.6
12.5°	198.9	194.5	188.7	189.0	179.1	175.7	167.8	159.2	150.3	141.1	56.8
15°	406.4	393.8	401.3	382.8	361.9	338.3	314.3	284.2	258.5	231.1	78.4
17.5°	856.0	868.3	847.5	768.4	719.7	662.6	582.1	504.4	437.9	384.5	95.9
20°	1520.6	1538.8	1467.9	1399.1	1280.9	1152.2	1018.0	865.9	720.4	594.4	107.5
21°	1798.3	1787.4	1758.3	1648.0	1511.7	1362.4	1198.1	1030.3	854.0	690.3	108.5
22°	2066.8	2071.9	2004.1	1888.7	1747.0	1581.6	1380.9	1173.8	983.7	768.4	106.8
23°	2334.2	2350.6	2260.9	2152.7	1974.3	1787.7	1555.6	1332.0	1097.1	857.7	103.4
24°	2581.8	2570.5	2509.8	2373.6	2182.8	1964.4	1723.3	1452.2	1190.2	934.1	100.7
25°	2788.9	2787.5	2692.4	2559.8	2341.7	2099.6	1833.9	1550.4	1270.0	985.8	97.2
26°	2958.4	2930.7	2855.7	2694.1	2478.7	2223.3	1924.7	1622.0	1314.8	1011.8	93.8
27°	3089.2	3069.3	2968.7	2800.6	2575.6	2293.1	1982.9	1657.6	1335.4	1020.4	89.4
28°	3177.2	3155.6	3048.5	2875.2	2629.0	2336.9	2013.7	1672.7	1335.4	1012.2	85.3
29°	3222.7	3193.3	3086.5	2900.9	2641.3	2342.1	2006.2	1657.9	1314.5	986.8	80.5
30°	3219.3	3182.7	3070.7	2877.6	2604.7	2300.0	1964.0	1604.9	1267.3	949.2	75.0
31°	3163.8	3122.8	2997.8	2798.8	2529.0	2220.5	1884.6	1533.6	1202.5	900.2	69.5
32°	3051.2	2999.1	2877.3	2679.0	2412.6	2101.7	1769.2	1423.7	1105.6	828.6	63.7
33°	2867.7	2815.3	2684.5	2498.5	2255.1	1951.0	1616.2	1305.6	995.4	743.4	58.9
34°	2637.9	2590.0	2477.3	2290.0	2056.5	1760.3	1440.2	1142.3	881.0	658.8	53.8
35°	2374.9	2298.6	2196.5	2048.3	1820.6	1522.7	1250.1	990.2	763.2	570.1	48.3
36°	2019.2	2032.9	1924.7	1743.2	1554.5	1321.0	1059.4	825.5	638.2	485.9	43.5
37°	1703.8	1682.2	1613.4	1473.0	1308.7	1076.9	887.9	699.9	536.9	410.9	38.3
38°	1374.4	1379.2	1311.8	1203.9	1040.9	885.5	714.6	574.9	449.2	349.6	33.6
39°	1075.8	1072.1	1053.9	953.9	806.4	704.3	579.0	476.6	374.3	294.8	28.4
40°	810.5	816.6	774.2	713.9	628.0	544.1	461.2	380.1	309.5	248.6	22.3
42.5°	394.1	403.7	375.6	360.2	322.2	289.3	244.1	199.3	169.5	146.6	9.9
45°	192.1	186.6	184.2	176.7	167.8	150.0	132.9	114.0	99.6	85.9	6.2
47.5°	98.3	95.5	95.5	92.5	89.4	83.5	75.0	68.8	62.0	53.4	2.4
50°	29.4	29.1	28.8	29.1	28.1	29.1	29.8	30.1	27.4	27.1	0.7
52.5°	11.6	12.0	11.6	12.7	12.7	12.3	12.7	12.3	12.0	10.6	0.0
55°	3.4	3.4	3.4	3.4	3.4	3.4	3.8	4.1	3.8	4.1	0.0
57.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0
60°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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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CATALOG NUMBER: P3A13R15B2750DE010 E3A301GPH_3000K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	11.6	11.6	11.6	11.6	11.6	11.6
2.5°	13.7	12.0	9.9	8.2	7.5	7.2
5°	14.7	11.0	7.5	5.8	5.1	4.8
7.5°	15.8	9.9	5.8	4.1	3.1	2.7
10°	16.4	8.6	4.5	2.4	1.7	1.7
12.5°	16.4	6.8	3.1	1.4	1.0	1.0
15°	16.1	5.8	2.1	1.0	0.7	0.7
17.5°	15.8	4.5	1.4	0.7	0.3	0.7
20°	14.7	3.4	0.7	0.3	0.3	0.3
21°	14.4	3.1	0.7	0.3	0.3	0.3
22°	13.7	2.7	0.3	0.0	0.3	0.3
23°	13.0	2.1	0.3	0.0	0.0	0.0
24°	12.0	1.7	0.3	0.0	0.0	0.0
25°	11.3	1.7	0.3	0.0	0.0	0.0
26°	10.6	1.0	0.0	0.0	0.0	0.0
27°	9.6	0.7	0.0	0.0	0.0	0.0
28°	8.9	0.7	0.0	0.0	0.0	0.0
29°	7.9	0.7	0.0	0.0	0.0	0.0
30°	6.8	0.7	0.0	0.0	0.0	0.0
31°	5.5	0.3	0.0	0.0	0.0	0.0
32°	4.5	0.3	0.0	0.0	0.0	0.0
33°	3.1	0.3	0.0	0.0	0.0	0.0
34°	2.1	0.3	0.0	0.0	0.0	0.0
35°	1.7	0.3	0.0	0.0	0.0	0.0
36°	1.0	0.3	0.0	0.0	0.0	0.3
37°	1.0	0.3	0.0	0.0	0.0	0.3
38°	0.7	0.3	0.0	0.0	0.0	0.3
39°	0.3	0.3	0.0	0.0	0.0	0.3
40°	0.3	0.3	0.0	0.0	0.0	0.3
42.5°	0.0	0.3	0.0	0.0	0.3	0.7
45°	0.0	0.3	0.0	0.0	0.3	0.7
47.5°	0.0	0.3	0.0	0.0	0.7	0.7
50°	0.0	0.3	0.3	0.3	0.7	1.0
52.5°	0.0	0.7	0.3	0.7	1.0	1.4
55°	0.3	0.7	0.7	1.0	1.4	1.7
57.5°	0.3	1.0	1.0	1.4	1.7	1.7
60°	0.7	1.0	1.4	1.4	2.1	2.1
62.5°	0.7	1.4	1.4	1.4	2.1	2.1
65°	0.7	1.4	1.4	1.7	2.1	2.1
67.5°	0.7	1.4	1.4	1.4	1.7	2.1
70°	0.7	1.4	1.0	1.4	1.7	1.7
72.5°	0.7	1.4	1.0	1.0	1.4	1.7
75°	0.7	1.4	1.0	1.0	1.4	1.4
77.5°	0.7	1.0	1.0	0.7	1.0	1.0
80°	0.7	1.0	0.7	0.7	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.7	1.0	0.7	0.3	0.7	0.7
85°	0.7	1.0	0.7	0.3	0.3	0.3
87.5°	0.7	1.0	0.3	0.0	0.0	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)