

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: P1343619

Luminaire Tested: P3A13R15B2750DE010 E3A301GPH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1343619
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

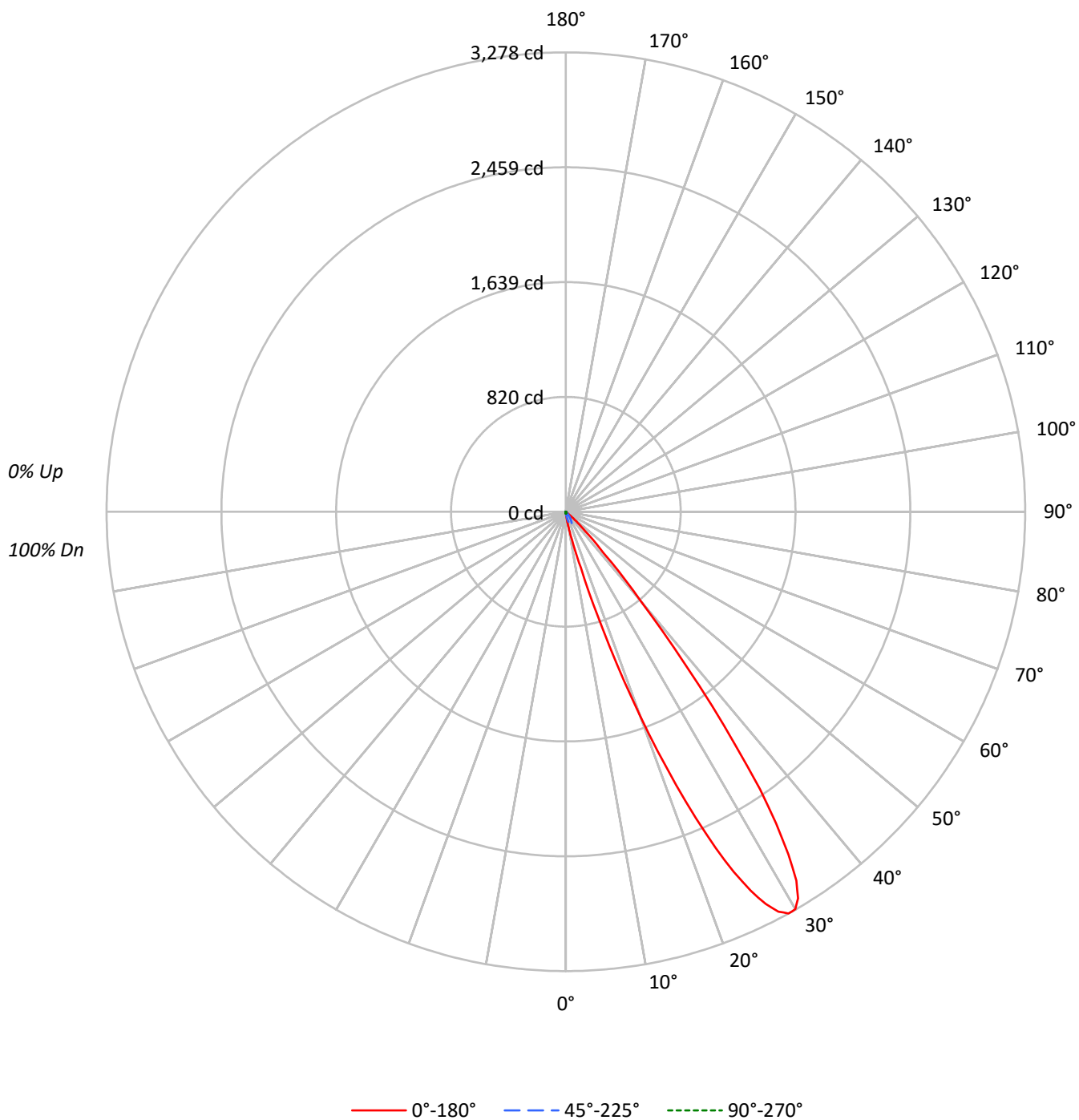
Lumens per Lamp: N/A
Luminaire Lumens: 357.9 lumens
Efficiency: N/A
Efficacy: 18.7 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61		
6	81	71	64	59	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	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2588	2588	2588	2588	2588
5°	5591	4138	2443	1299	1079
10°	24805	7838	1937	534	379
15°	93848	18093	1339	227	159
20°	360905	25506	817	70	70
25°	686265	23929	411	0	0
30°	829039	19319	177	0	0
35°	646584	13144	80	0	0
40°	235956	6469	86	0	86
45°	60595	1954	93	0	217
50°	10200	239	102	102	341
55°	1338	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: 60595 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.5
10°-20°	27.4	7.7
20°-30°	152.2	42.5
30°-40°	147.0	41.1
40°-50°	25.6	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°	181.2	50.6
0°-40°	328.2	91.7
0°-60°	355.6	99.3
0°-90°	357.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	357.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	25	19	11	6	5	5
15°	413	80	6	1	1	184
25°	2836	99	2	0	0	1268
35°	2415	49	0	0	0	1389
45°	195	6	0	0	1	210
55°	4	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°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
2.5°	17.4	16.7	17.1	17.1	17.1	17.1	17.1	16.4	16.4	16.7	15.0
5°	25.4	25.4	25.1	25.4	25.4	25.1	24.4	24.0	24.0	23.3	18.8
7.5°	50.8	50.1	50.1	49.5	46.0	44.9	44.2	42.5	39.4	38.7	24.4
10°	111.4	111.8	109.3	106.2	105.9	100.6	98.9	95.8	89.8	83.9	35.2
12.5°	202.3	197.8	191.9	192.2	182.1	178.6	170.6	161.9	152.9	143.5	57.8
15°	413.4	400.5	408.1	389.3	368.1	344.1	319.7	289.0	262.9	235.1	79.7
17.5°	870.6	883.1	861.9	781.5	732.0	673.9	592.0	513.0	445.4	391.1	97.5
20°	1546.6	1565.0	1492.9	1422.9	1302.8	1171.8	1035.3	880.7	732.7	604.6	109.3
21°	1829.0	1817.8	1788.2	1676.1	1537.5	1385.7	1218.5	1047.9	868.5	702.1	110.4
22°	2102.0	2107.2	2038.3	1920.9	1776.7	1608.5	1404.5	1193.8	1000.5	781.5	108.7
23°	2374.0	2390.7	2299.5	2189.4	2008.0	1818.2	1582.1	1354.7	1115.8	872.4	105.2
24°	2625.8	2614.3	2552.6	2414.0	2220.1	1997.9	1752.7	1476.9	1210.5	950.0	102.4
25°	2836.4	2835.1	2738.2	2603.5	2381.6	2135.4	1865.2	1576.8	1291.6	1002.6	98.9
26°	3008.8	2980.6	2904.4	2740.0	2520.9	2261.1	1957.5	1649.6	1337.3	1029.1	95.4
27°	3141.9	3121.7	3019.3	2848.3	2619.5	2332.2	2016.7	1685.8	1358.2	1037.8	90.9
28°	3231.4	3209.4	3100.4	2924.2	2673.8	2376.8	2048.0	1701.2	1358.2	1029.4	86.7
29°	3277.7	3247.7	3139.1	2950.3	2686.4	2382.0	2040.4	1686.2	1336.9	1003.6	81.8
30°	3274.2	3236.9	3123.1	2926.6	2649.1	2339.2	1997.5	1632.2	1288.9	965.3	76.3
31°	3217.8	3176.0	3048.9	2846.5	2572.1	2258.4	1916.7	1559.8	1223.0	915.5	70.7
32°	3103.2	3050.3	2926.3	2724.7	2453.7	2137.5	1799.4	1448.0	1124.5	842.8	64.8
33°	2916.5	2863.3	2730.2	2541.1	2293.5	1984.3	1643.7	1327.9	1012.3	756.0	59.9
34°	2682.9	2634.1	2519.5	2329.1	2091.6	1790.3	1464.7	1161.7	896.0	670.0	54.7
35°	2415.4	2337.8	2234.0	2083.2	1851.6	1548.6	1271.4	1007.1	776.2	579.8	49.1
36°	2053.6	2067.5	1957.5	1772.9	1581.0	1343.5	1077.5	839.6	649.1	494.2	44.2
37°	1732.9	1710.9	1640.9	1498.1	1331.0	1095.2	903.0	711.8	546.0	417.9	39.0
38°	1397.9	1402.7	1334.1	1224.4	1058.7	900.6	726.8	584.7	456.9	355.6	34.1
39°	1094.2	1090.4	1071.9	970.2	820.1	716.3	588.9	484.8	380.6	299.8	28.9
40°	824.3	830.6	787.4	726.1	638.7	553.4	469.1	386.6	314.8	252.8	22.6
42.5°	400.8	410.6	382.0	366.4	327.7	294.3	248.3	202.7	172.4	149.0	10.1
45°	195.4	189.8	187.4	179.7	170.6	152.5	135.1	116.0	101.3	87.4	6.3
47.5°	99.9	97.2	97.2	94.0	90.9	85.0	76.3	70.0	63.0	54.3	2.4
50°	29.9	29.6	29.3	29.6	28.6	29.6	30.3	30.6	27.9	27.5	0.7
52.5°	11.8	12.2	11.8	12.9	12.9	12.5	12.9	12.5	12.2	10.8	0.0
55°	3.5	3.5	3.5	3.5	3.5	3.5	3.8	4.2	3.8	4.2	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_2700K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	11.8	11.8	11.8	11.8	11.8	11.8
2.5°	13.9	12.2	10.1	8.4	7.7	7.3
5°	15.0	11.1	7.7	5.9	5.2	4.9
7.5°	16.0	10.1	5.9	4.2	3.1	2.8
10°	16.7	8.7	4.5	2.4	1.7	1.7
12.5°	16.7	7.0	3.1	1.4	1.0	1.0
15°	16.4	5.9	2.1	1.0	0.7	0.7
17.5°	16.0	4.5	1.4	0.7	0.3	0.7
20°	15.0	3.5	0.7	0.3	0.3	0.3
21°	14.6	3.1	0.7	0.3	0.3	0.3
22°	13.9	2.8	0.3	0.0	0.3	0.3
23°	13.2	2.1	0.3	0.0	0.0	0.0
24°	12.2	1.7	0.3	0.0	0.0	0.0
25°	11.5	1.7	0.3	0.0	0.0	0.0
26°	10.8	1.0	0.0	0.0	0.0	0.0
27°	9.8	0.7	0.0	0.0	0.0	0.0
28°	9.1	0.7	0.0	0.0	0.0	0.0
29°	8.0	0.7	0.0	0.0	0.0	0.0
30°	7.0	0.7	0.0	0.0	0.0	0.0
31°	5.6	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)