

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: P1343623

Luminaire Tested: P3A13R15B2750DE010 E3A301GPH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1343623
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 80CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

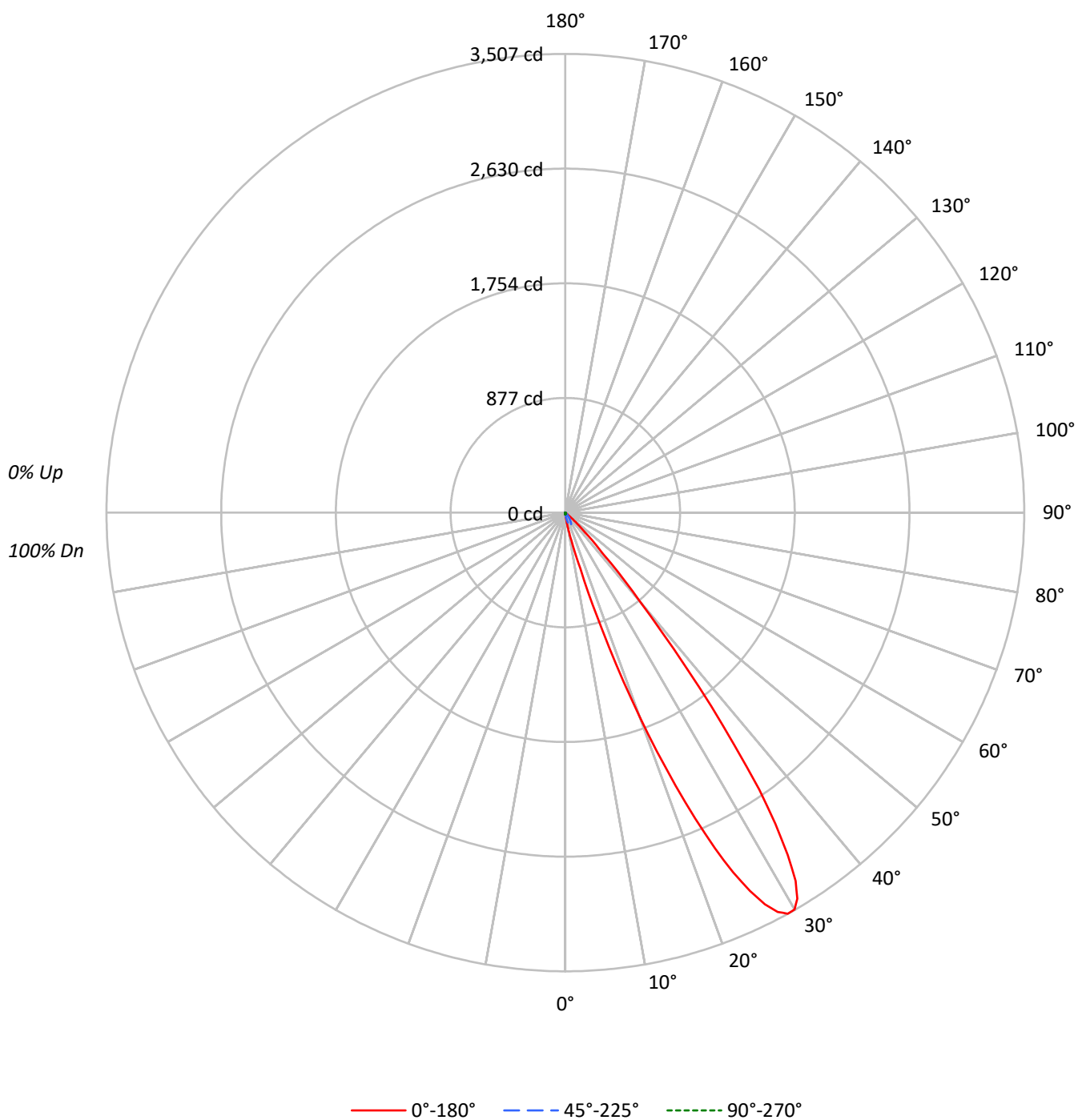
Lumens per Lamp: N/A
Luminaire Lumens: 383.0 lumens
Efficiency: N/A
Efficacy: 20.1 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	2785	2785	2785	2785	2785
5°	5987	4424	2619	1387	1145
10°	26541	8372	2071	579	423
15°	100387	19364	1430	250	159
20°	386107	27302	863	93	93
25°	734196	25598	460	0	0
30°	886921	20661	177	0	0
35°	691744	14054	107	0	0
40°	252444	6927	115	0	115
45°	64813	2078	124	0	217
50°	10916	239	136	136	375
55°	1415	0	268	421	726
60°	175	175	482	658	965
65°	208	208	778	986	1141
70°	256	256	962	962	1218
75°	339	339	1271	932	1271
80°	0	505	1389	884	1389
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 64813 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.5
10°-20°	29.3	7.7
20°-30°	162.8	42.5
30°-40°	157.3	41.1
40°-50°	27.4	7.1
50°-60°	2.0	0.5
60°-70°	1.2	0.3
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°	193.9	50.6
0°-40°	351.1	91.7
0°-60°	380.4	99.3
0°-90°	383.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	383.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	27	20	12	6	5	5
15°	442	85	6	1	1	197
25°	3034	106	2	0	0	1357
35°	2584	52	0	0	0	1486
45°	209	7	0	0	1	224
55°	4	0	1	1	2	7
65°	0	0	2	2	2	0
75°	0	0	2	1	2	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°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
2.5°	18.6	17.9	18.3	18.3	18.3	18.3	18.3	17.5	17.5	17.9	16.0
5°	27.2	27.2	26.8	27.2	27.2	26.8	26.1	25.7	25.7	25.0	20.1
7.5°	54.4	53.6	53.6	52.9	49.2	48.1	47.3	45.5	42.1	41.4	26.1
10°	119.2	119.6	117.0	113.6	113.3	107.7	105.8	102.5	96.1	89.8	37.6
12.5°	216.5	211.6	205.3	205.7	194.9	191.1	182.6	173.2	163.6	153.5	61.8
15°	442.2	428.4	436.6	416.5	393.8	368.1	342.0	309.2	281.3	251.5	85.3
17.5°	931.4	944.8	922.1	836.0	783.1	720.9	633.4	548.8	476.5	418.4	104.3
20°	1654.6	1674.3	1597.2	1522.3	1393.8	1253.7	1107.6	942.2	783.9	646.8	117.0
21°	1956.7	1944.8	1913.1	1793.1	1644.9	1482.4	1303.6	1121.0	929.2	751.1	118.1
22°	2248.8	2254.4	2180.6	2055.1	1900.8	1720.9	1502.5	1277.1	1070.4	836.0	116.2
23°	2539.8	2557.6	2460.0	2342.3	2148.2	1945.1	1692.6	1449.3	1193.7	933.3	112.5
24°	2809.1	2796.8	2730.9	2582.6	2375.1	2137.4	1875.1	1580.0	1295.0	1016.4	109.5
25°	3034.5	3033.0	2929.5	2785.3	2548.0	2284.6	1995.4	1687.0	1381.8	1072.6	105.8
26°	3218.9	3188.8	3107.2	2931.3	2697.0	2419.0	2094.2	1764.8	1430.6	1100.9	102.1
27°	3361.3	3339.7	3230.1	3047.2	2802.4	2495.1	2157.5	1803.6	1453.0	1110.2	97.2
28°	3457.0	3433.5	3316.9	3128.4	2860.5	2542.7	2191.0	1820.0	1453.0	1101.3	92.8
29°	3506.6	3474.5	3358.3	3156.4	2873.9	2548.3	2182.8	1803.9	1430.3	1073.7	87.6
30°	3502.8	3463.0	3341.1	3131.0	2834.1	2502.5	2137.0	1746.2	1378.9	1032.7	81.6
31°	3442.5	3397.8	3261.8	3045.3	2751.7	2416.1	2050.6	1668.7	1308.4	979.5	75.6
32°	3319.9	3263.3	3130.6	2914.9	2625.1	2286.8	1925.0	1549.1	1203.0	901.6	69.3
33°	3120.2	3063.2	2920.9	2718.6	2453.7	2122.9	1758.5	1420.6	1083.0	808.8	64.1
34°	2870.2	2818.1	2695.5	2491.7	2237.6	1915.3	1567.0	1242.9	958.6	716.8	58.5
35°	2584.1	2501.0	2390.0	2228.7	1980.9	1656.8	1360.2	1077.5	830.4	620.3	52.5
36°	2197.0	2211.9	2094.2	1896.7	1691.4	1437.3	1152.7	898.2	694.5	528.7	47.3
37°	1853.9	1830.4	1755.5	1602.8	1423.9	1171.7	966.1	761.5	584.2	447.1	41.7
38°	1495.5	1500.7	1427.3	1309.9	1132.6	963.4	777.5	625.5	488.8	380.4	36.5
39°	1170.6	1166.5	1146.7	1038.0	877.4	766.4	630.0	518.6	407.2	320.8	30.9
40°	881.9	888.6	842.4	776.8	683.3	592.0	501.8	413.5	336.8	270.5	24.2
42.5°	428.8	439.3	408.7	391.9	350.6	314.8	265.6	216.8	184.4	159.5	10.8
45°	209.0	203.0	200.4	192.2	182.6	163.2	144.6	124.1	108.4	93.5	6.7
47.5°	106.9	103.9	103.9	100.6	97.2	90.9	81.6	74.9	67.4	58.1	2.6
50°	32.0	31.7	31.3	31.7	30.6	31.7	32.4	32.8	29.8	29.4	0.7
52.5°	12.7	13.0	12.7	13.8	13.8	13.4	13.8	13.4	13.0	11.5	0.0
55°	3.7	3.7	3.7	3.7	3.7	3.7	4.1	4.5	4.1	4.5	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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4



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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	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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_5000K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	12.7	12.7	12.7	12.7	12.7	12.7
2.5°	14.9	13.0	10.8	8.9	8.2	7.8
5°	16.0	11.9	8.2	6.3	5.6	5.2
7.5°	17.1	10.8	6.3	4.5	3.4	3.0
10°	17.9	9.3	4.8	2.6	1.9	1.9
12.5°	17.9	7.5	3.4	1.5	1.1	1.1
15°	17.5	6.3	2.2	1.1	0.7	0.7
17.5°	17.1	4.8	1.5	0.7	0.4	0.7
20°	16.0	3.7	0.7	0.4	0.4	0.4
21°	15.6	3.4	0.7	0.4	0.4	0.4
22°	14.9	3.0	0.4	0.0	0.4	0.4
23°	14.2	2.2	0.4	0.0	0.0	0.0
24°	13.0	1.9	0.4	0.0	0.0	0.0
25°	12.3	1.9	0.4	0.0	0.0	0.0
26°	11.5	1.1	0.0	0.0	0.0	0.0
27°	10.4	0.7	0.0	0.0	0.0	0.0
28°	9.7	0.7	0.0	0.0	0.0	0.0
29°	8.6	0.7	0.0	0.0	0.0	0.0
30°	7.5	0.7	0.0	0.0	0.0	0.0
31°	6.0	0.4	0.0	0.0	0.0	0.0
32°	4.8	0.4	0.0	0.0	0.0	0.0
33°	3.4	0.4	0.0	0.0	0.0	0.0
34°	2.2	0.4	0.0	0.0	0.0	0.0
35°	1.9	0.4	0.0	0.0	0.0	0.0
36°	1.1	0.4	0.0	0.0	0.0	0.4
37°	1.1	0.4	0.0	0.0	0.0	0.4
38°	0.7	0.4	0.0	0.0	0.0	0.4
39°	0.4	0.4	0.0	0.0	0.0	0.4
40°	0.4	0.4	0.0	0.0	0.0	0.4
42.5°	0.0	0.4	0.0	0.0	0.4	0.7
45°	0.0	0.4	0.0	0.0	0.4	0.7
47.5°	0.0	0.4	0.0	0.0	0.7	0.7
50°	0.0	0.4	0.4	0.4	0.7	1.1
52.5°	0.0	0.7	0.4	0.7	1.1	1.5
55°	0.4	0.7	0.7	1.1	1.5	1.9
57.5°	0.4	1.1	1.1	1.5	1.9	1.9
60°	0.7	1.1	1.5	1.5	2.2	2.2
62.5°	0.7	1.5	1.5	1.5	2.2	2.2
65°	0.7	1.5	1.5	1.9	2.2	2.2
67.5°	0.7	1.5	1.5	1.5	1.9	2.2
70°	0.7	1.5	1.1	1.5	1.9	1.9
72.5°	0.7	1.5	1.1	1.1	1.5	1.9
75°	0.7	1.5	1.1	1.1	1.5	1.5
77.5°	0.7	1.1	1.1	0.7	1.1	1.1
80°	0.7	1.1	0.7	0.7	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.7	1.1	0.7	0.4	0.7	0.7
85°	0.7	1.1	0.7	0.4	0.4	0.4
87.5°	0.7	1.1	0.4	0.0	0.0	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)