

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: P1344683

Luminaire Tested: P3A13R25B2750DE010 E3CA301MW_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344683
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R25B2750DE010 E3CA301MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 80CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

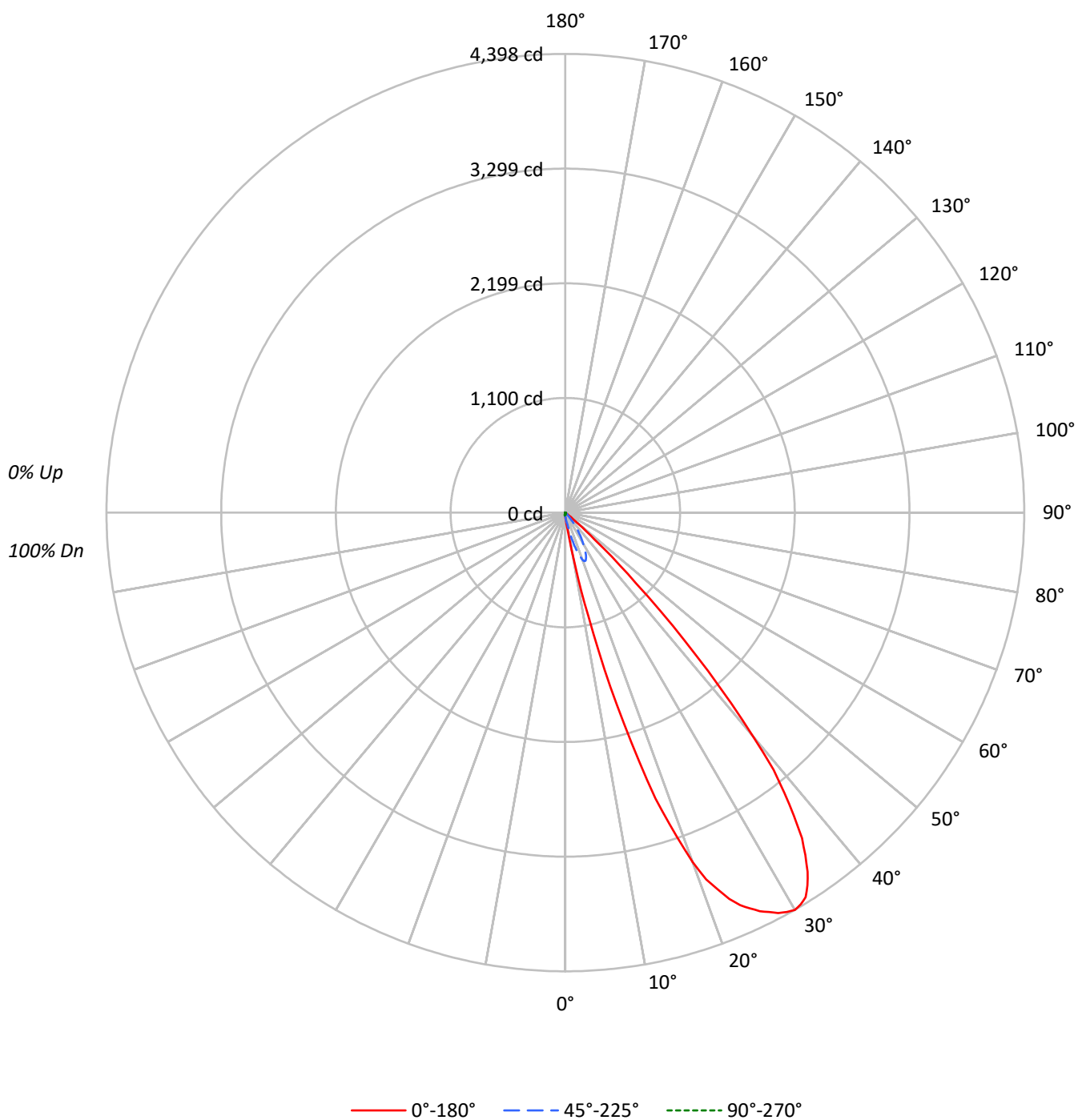
Lumens per Lamp: N/A
Luminaire Lumens: 880.0 lumens
Efficiency: N/A
Efficacy: 46.1 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	95	92	104	98	94	90	95	92	88	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	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	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	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8289	8289	8289	8289	8289
5°	20779	15364	7770	3984	3082
10°	90869	26141	6390	1826	1269
15°	432057	70466	4472	749	568
20°	831719	112850	2870	187	187
25°	1012921	113837	1597	0	0
30°	1113690	87102	633	0	0
35°	1073232	55386	214	0	0
40°	801902	23959	0	0	229
45°	296868	6357	248	248	775
50°	35001	853	546	546	1126
55°	3441	0	612	956	1567
60°	351	0	1096	1447	1798
65°	415	415	1712	2127	2542
70°	513	513	2116	2116	3142
75°	678	678	2118	2118	2796
80°	0	1010	3157	2020	3157
85°	0	2013	6290	2013	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 296868 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.6
10°-20°	102.6	11.7
20°-30°	322.0	36.6
30°-40°	339.0	38.5
40°-50°	99.6	11.3
50°-60°	5.3	0.6
60°-70°	2.6	0.3
70°-80°	2.2	0.3
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°	430.1	48.9
0°-40°	769.1	87.4
0°-60°	874.0	99.3
0°-90°	880.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	880.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	38	38	38	38	38	
5°	94	70	35	18	14	17
15°	1903	310	20	3	2	600
25°	4186	470	7	0	0	1920
35°	4009	207	1	0	0	2419
45°	957	20	1	1	2	870
55°	9	0	2	2	4	23
65°	1	1	3	4	5	1
75°	1	1	2	2	3	1
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°	45°	67.5°	90°	112.5°
0°	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
2.5°	58.3	59.1	56.7	58.3	56.7	55.8	55.0	50.9	44.3	37.8	31.2
5°	94.4	94.4	90.3	89.5	87.9	84.6	81.3	69.8	50.1	35.3	24.6
7.5°	147.8	147.0	145.3	141.2	133.0	124.8	116.6	91.1	55.0	32.8	18.9
10°	408.1	402.3	394.9	350.6	300.5	256.2	217.6	117.4	59.1	28.7	14.0
12.5°	1014.0	981.2	903.2	814.5	701.2	582.1	465.5	191.3	60.8	23.8	9.9
15°	1903.2	1835.0	1713.5	1536.2	1304.7	1044.4	822.7	310.4	59.1	19.7	7.4
17.5°	2873.7	2808.0	2639.7	2370.4	2029.6	1629.8	1237.3	411.3	55.0	16.4	4.9
20°	3564.2	3494.4	3336.8	3051.0	2682.4	2149.5	1629.0	483.6	51.7	12.3	2.5
21°	3766.2	3696.4	3529.7	3253.8	2866.3	2331.8	1754.6	495.9	49.3	10.7	1.6
22°	3894.2	3853.2	3674.2	3406.5	3011.6	2477.9	1862.1	501.7	47.6	9.9	1.6
23°	4023.2	3961.6	3794.1	3511.6	3122.5	2586.3	1941.8	497.6	46.0	8.2	0.8
24°	4118.4	4066.7	3872.1	3592.9	3199.6	2652.8	1988.6	486.9	43.5	7.4	0.8
25°	4186.5	4138.9	3936.1	3647.9	3251.4	2688.9	2003.4	470.5	41.1	6.6	0.8
26°	4251.4	4199.7	3989.5	3680.0	3278.5	2700.4	1989.4	452.4	38.6	5.7	0.0
27°	4298.2	4245.7	4026.4	3698.8	3280.1	2686.5	1951.6	427.8	36.1	4.9	0.0
28°	4348.3	4287.5	4051.9	3709.5	3270.2	2653.6	1897.4	401.5	34.5	4.1	0.0
29°	4378.7	4321.2	4078.2	3721.0	3249.7	2598.6	1818.6	370.3	30.4	2.5	0.0
30°	4398.4	4330.2	4075.7	3708.7	3222.6	2539.5	1724.2	344.0	26.3	2.5	0.0
31°	4382.0	4310.5	4049.4	3674.2	3179.1	2462.3	1627.3	311.2	21.3	1.6	0.0
32°	4346.6	4262.1	4003.4	3614.3	3101.1	2363.0	1527.2	284.1	15.6	1.6	0.0
33°	4260.4	4189.0	3920.5	3533.8	2999.3	2228.3	1396.6	257.8	10.7	0.8	0.0
34°	4152.1	4080.6	3807.2	3426.2	2863.0	2054.3	1238.1	230.7	9.0	0.8	0.0
35°	4009.2	3938.6	3679.1	3276.0	2682.4	1844.9	1074.8	206.9	7.4	0.8	0.0
36°	3858.9	3765.3	3517.4	3115.9	2440.2	1606.8	899.9	179.8	5.7	0.8	0.0
37°	3638.1	3574.9	3299.8	2872.0	2178.2	1378.5	772.6	155.2	4.1	0.8	0.0
38°	3409.0	3350.7	3082.2	2626.5	1886.0	1152.8	647.0	131.4	3.3	0.0	0.0
39°	3172.5	3075.7	2810.5	2312.1	1579.7	965.6	544.4	110.0	1.6	0.0	0.0
40°	2801.4	2727.5	2444.3	1934.4	1307.1	782.5	463.9	83.7	1.6	0.0	0.0
42.5°	1857.2	1788.2	1491.0	1049.3	694.6	457.3	306.3	32.8	0.0	0.8	0.0
45°	957.3	913.8	742.2	549.3	394.1	280.8	197.1	20.5	0.0	0.8	0.8
47.5°	380.1	372.8	336.6	290.7	224.1	166.7	107.6	9.0	0.0	0.8	0.8
50°	102.6	103.5	96.9	89.5	81.3	76.4	45.2	2.5	0.0	1.6	0.8
52.5°	43.5	44.3	42.7	40.2	36.1	27.1	18.1	0.8	0.8	1.6	1.6
55°	9.0	9.9	10.7	11.5	13.1	11.5	7.4	0.0	0.8	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	2.5	2.5	1.6	0.0	0.8	1.6	2.5
60°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.6	2.5	2.5
62.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.5	3.3
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	3.3	3.3
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.5	3.3	3.3
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.5	3.3	3.3
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.5	3.3	2.5
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.5	2.5	2.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6	2.5	2.5
80°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6	2.5	1.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	2.5	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.5	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.5	1.6
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):

	135°	157.5°	180°
0°	37.8	37.8	37.8
2.5°	26.3	23.8	23.0
5°	18.1	15.6	14.0
7.5°	12.3	9.9	9.0
10°	8.2	6.6	5.7
12.5°	5.7	3.3	3.3
15°	3.3	2.5	2.5
17.5°	1.6	0.8	0.8
20°	0.8	0.8	0.8
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.8
39°	0.0	0.8	0.8
40°	0.0	0.8	0.8
42.5°	0.0	0.8	1.6
45°	0.8	1.6	2.5
47.5°	1.6	2.5	3.3
50°	1.6	3.3	3.3
52.5°	2.5	3.3	4.1
55°	2.5	4.1	4.1
57.5°	3.3	4.1	4.9
60°	3.3	4.1	4.1
62.5°	3.3	4.9	4.9
65°	4.1	4.9	4.9
67.5°	4.1	4.9	4.9
70°	3.3	4.1	4.9
72.5°	3.3	4.1	4.1
75°	2.5	3.3	3.3
77.5°	2.5	2.5	3.3
80°	1.6	2.5	2.5

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.6	1.6	1.6
85°	0.8	0.8	0.8
87.5°	0.8	0.8	0.8
90°	0.0	0.0	0.0

(END OF REPORT)