

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: P1344680

Luminaire Tested: P3A13R25B2750DE010 E3CA301MW_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344680
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_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

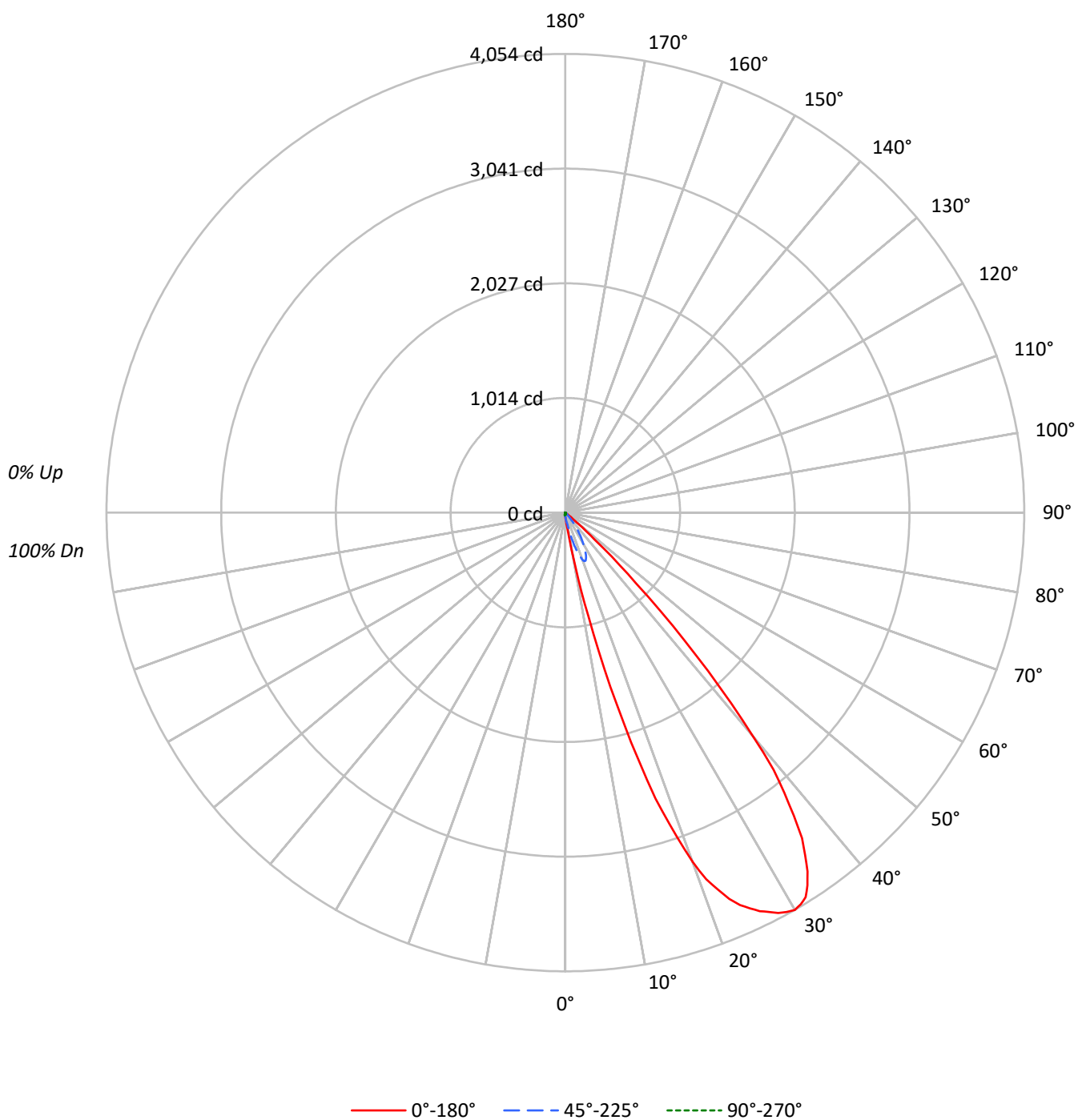
Lumens per Lamp: N/A
Luminaire Lumens: 811.1 lumens
Efficiency: N/A
Efficacy: 42.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7631	7631	7631	7631	7631
5°	19150	14154	7154	3654	2840
10°	83744	24092	5901	1692	1180
15°	398186	64927	4132	681	522
20°	766497	104006	2660	187	187
25°	933514	104909	1476	0	0
30°	1026360	80266	582	0	0
35°	989069	51049	214	0	0
40°	739042	22099	0	0	229
45°	273610	5861	248	248	713
50°	32272	785	512	512	1023
55°	3173	0	573	879	1453
60°	351	0	1009	1316	1667
65°	415	415	1557	1972	2335
70°	513	513	1923	1923	2885
75°	678	678	1949	1949	2542
80°	0	1010	2904	1894	2904
85°	0	2013	5787	2013	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 273610 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.6
10°-20°	94.6	11.7
20°-30°	296.8	36.6
30°-40°	312.4	38.5
40°-50°	91.8	11.3
50°-60°	4.9	0.6
60°-70°	2.4	0.3
70°-80°	2.1	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°	396.4	48.9
0°-40°	708.8	87.4
0°-60°	805.5	99.3
0°-90°	811.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	811.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	35	35	35	35	35	
5°	87	64	32	17	13	16
15°	1754	286	18	3	2	553
25°	3858	434	6	0	0	1770
35°	3695	191	1	0	0	2230
45°	882	19	1	1	2	802
55°	8	0	2	2	4	21
65°	1	1	3	4	4	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°	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
2.5°	53.7	54.5	52.2	53.7	52.2	51.5	50.7	46.9	40.9	34.8	28.8
5°	87.0	87.0	83.2	82.5	81.0	77.9	74.9	64.3	46.2	32.5	22.7
7.5°	136.2	135.4	133.9	130.1	122.6	115.0	107.4	84.0	50.7	30.3	17.4
10°	376.1	370.8	364.0	323.1	276.9	236.1	200.5	108.2	54.5	26.5	12.9
12.5°	934.5	904.2	832.3	750.6	646.2	536.5	429.0	176.3	56.0	21.9	9.1
15°	1754.0	1691.2	1579.2	1415.7	1202.4	962.5	758.2	286.0	54.5	18.2	6.8
17.5°	2648.4	2587.8	2432.7	2184.5	1870.5	1502.0	1140.3	379.1	50.7	15.1	4.5
20°	3284.7	3220.4	3075.1	2811.8	2472.1	1981.0	1501.2	445.7	47.7	11.4	2.3
21°	3470.9	3406.5	3252.9	2998.7	2641.5	2149.0	1617.0	457.0	45.4	9.8	1.5
22°	3588.9	3551.1	3386.1	3139.4	2775.5	2283.6	1716.1	462.3	43.9	9.1	1.5
23°	3707.7	3650.9	3496.6	3236.3	2877.6	2383.5	1789.5	458.5	42.4	7.6	0.8
24°	3795.5	3747.8	3568.5	3311.2	2948.8	2444.8	1832.7	448.7	40.1	6.8	0.8
25°	3858.3	3814.4	3627.5	3361.9	2996.4	2478.1	1846.3	433.6	37.8	6.1	0.8
26°	3918.1	3870.4	3676.7	3391.4	3021.4	2488.7	1833.4	416.9	35.6	5.3	0.0
27°	3961.2	3912.8	3710.7	3408.8	3022.9	2475.8	1798.6	394.2	33.3	4.5	0.0
28°	4007.3	3951.3	3734.2	3418.6	3013.8	2445.6	1748.7	370.0	31.8	3.8	0.0
29°	4035.3	3982.4	3758.4	3429.2	2994.9	2394.9	1676.0	341.3	28.0	2.3	0.0
30°	4053.5	3990.7	3756.1	3417.9	2969.9	2340.4	1589.0	317.0	24.2	2.3	0.0
31°	4038.4	3972.5	3731.9	3386.1	2929.8	2269.3	1499.7	286.8	19.7	1.5	0.0
32°	4005.8	3927.9	3689.5	3330.9	2858.0	2177.7	1407.4	261.8	14.4	1.5	0.0
33°	3926.4	3860.5	3613.1	3256.7	2764.1	2053.6	1287.1	237.6	9.8	0.8	0.0
34°	3826.5	3760.7	3508.7	3157.6	2638.5	1893.2	1141.1	212.6	8.3	0.8	0.0
35°	3694.8	3629.8	3390.7	3019.1	2472.1	1700.2	990.5	190.7	6.8	0.8	0.0
36°	3556.4	3470.1	3241.6	2871.6	2248.8	1480.8	829.3	165.7	5.3	0.8	0.0
37°	3352.8	3294.6	3041.1	2646.8	2007.5	1270.5	712.0	143.0	3.8	0.8	0.0
38°	3141.7	3088.0	2840.6	2420.6	1738.1	1062.4	596.3	121.1	3.0	0.0	0.0
39°	2923.8	2834.5	2590.1	2130.8	1455.8	889.8	501.7	101.4	1.5	0.0	0.0
40°	2581.8	2513.7	2252.6	1782.7	1204.6	721.1	427.5	77.2	1.5	0.0	0.0
42.5°	1711.6	1648.0	1374.1	967.0	640.1	421.5	282.2	30.3	0.0	0.8	0.0
45°	882.3	842.2	684.0	506.2	363.2	258.8	181.6	18.9	0.0	0.8	0.8
47.5°	350.3	343.5	310.2	267.9	206.6	153.6	99.1	8.3	0.0	0.8	0.8
50°	94.6	95.3	89.3	82.5	74.9	70.4	41.6	2.3	0.0	1.5	0.8
52.5°	40.1	40.9	39.3	37.1	33.3	25.0	16.6	0.8	0.8	1.5	1.5
55°	8.3	9.1	9.8	10.6	12.1	10.6	6.8	0.0	0.8	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	2.3	2.3	1.5	0.0	0.8	1.5	2.3
60°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.5	2.3	2.3
62.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	2.3	3.0
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	3.0	3.0
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	3.0	3.0
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	3.0	3.0
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	3.0	2.3
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	2.3	2.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5	2.3	2.3
80°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5	2.3	1.5



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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	1.5	2.3	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	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):

	135°	157.5°	180°
0°	34.8	34.8	34.8
2.5°	24.2	21.9	21.2
5°	16.6	14.4	12.9
7.5°	11.4	9.1	8.3
10°	7.6	6.1	5.3
12.5°	5.3	3.0	3.0
15°	3.0	2.3	2.3
17.5°	1.5	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	1.5
45°	0.8	1.5	2.3
47.5°	1.5	2.3	3.0
50°	1.5	3.0	3.0
52.5°	2.3	3.0	3.8
55°	2.3	3.8	3.8
57.5°	3.0	3.8	4.5
60°	3.0	3.8	3.8
62.5°	3.0	4.5	4.5
65°	3.8	4.5	4.5
67.5°	3.8	4.5	4.5
70°	3.0	3.8	4.5
72.5°	3.0	3.8	3.8
75°	2.3	3.0	3.0
77.5°	2.3	2.3	3.0
80°	1.5	2.3	2.3

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CATALOG NUMBER: P3A13R25B2750DE010 E3CA301MW_3000K

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.5	1.5	1.5
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)