

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: P1344679

Luminaire Tested: P3A13R25B2750DE010 E3CA301MW_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344679
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

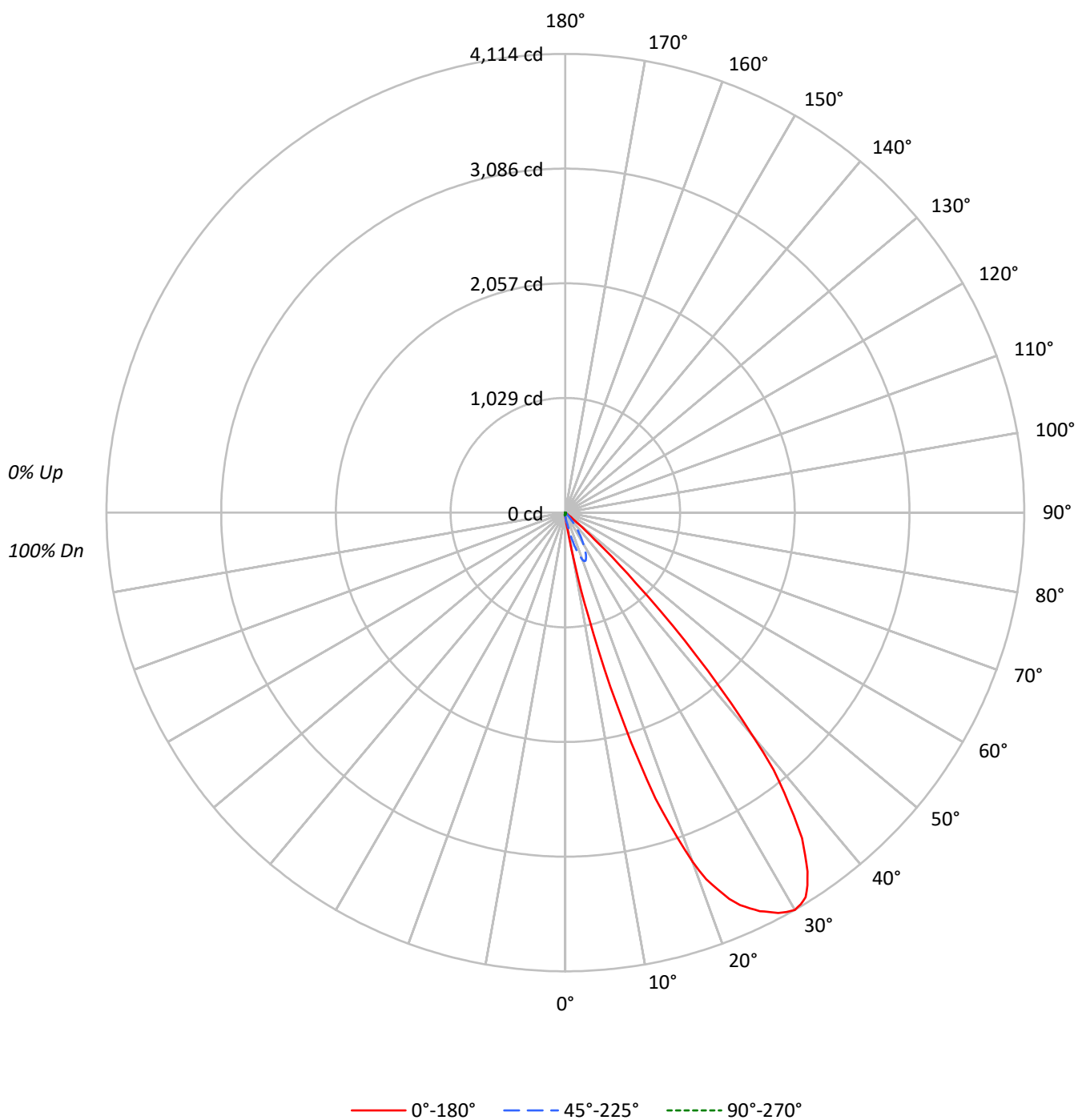
Lumens per Lamp: N/A
Luminaire Lumens: 823.0 lumens
Efficiency: N/A
Efficacy: 43.1 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	48	70	59	52	47	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	44	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7741	7741	7741	7741	7741
5°	19436	14374	7264	3720	2884
10°	84968	24448	5990	1715	1202
15°	404066	65903	4177	704	522
20°	777838	105546	2684	187	187
25°	947329	106458	1476	0	0
30°	1041553	81456	582	0	0
35°	1003712	51798	214	0	0
40°	749977	22413	0	0	229
45°	277641	5954	248	248	713
50°	32749	785	512	512	1058
55°	3211	0	573	879	1453
60°	351	0	1009	1360	1667
65°	415	415	1608	1972	2387
70°	513	513	1988	1988	2949
75°	678	678	1949	1949	2626
80°	0	1010	2904	1894	2904
85°	0	2013	5787	2013	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 277641 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.6
10°-20°	96.0	11.7
20°-30°	301.2	36.6
30°-40°	317.0	38.5
40°-50°	93.1	11.3
50°-60°	5.0	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°	402.3	48.9
0°-40°	719.3	87.4
0°-60°	817.4	99.3
0°-90°	823.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	823.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	35	35	35	35	35	
5°	88	65	33	17	13	16
15°	1780	290	18	3	2	561
25°	3915	440	6	0	0	1796
35°	3750	194	1	0	0	2263
45°	895	19	1	1	2	814
55°	8	0	2	2	4	21
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°	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
2.5°	54.5	55.3	53.0	54.5	53.0	52.2	51.4	47.6	41.5	35.3	29.2
5°	88.3	88.3	84.5	83.7	82.2	79.1	76.0	65.3	46.8	33.0	23.0
7.5°	138.2	137.4	135.9	132.1	124.4	116.7	109.0	85.2	51.4	30.7	17.7
10°	381.6	376.3	369.3	327.9	281.0	239.6	203.5	109.8	55.3	26.9	13.1
12.5°	948.3	917.6	844.7	761.7	655.8	544.4	435.4	178.9	56.8	22.3	9.2
15°	1779.9	1716.2	1602.5	1436.7	1220.1	976.7	769.4	290.3	55.3	18.4	6.9
17.5°	2687.5	2626.1	2468.7	2216.8	1898.2	1524.2	1157.2	384.7	51.4	15.4	4.6
20°	3333.3	3268.1	3120.6	2853.4	2508.6	2010.3	1523.5	452.3	48.4	11.5	2.3
21°	3522.2	3456.9	3301.1	3043.1	2680.6	2180.7	1640.9	463.8	46.1	10.0	1.5
22°	3642.0	3603.6	3436.2	3185.9	2816.5	2317.4	1741.5	469.2	44.5	9.2	1.5
23°	3762.6	3705.0	3548.3	3284.2	2920.2	2418.8	1816.0	465.3	43.0	7.7	0.8
24°	3851.6	3803.3	3621.3	3360.2	2992.4	2481.0	1859.8	455.3	40.7	6.9	0.8
25°	3915.4	3870.8	3681.2	3411.6	3040.8	2514.8	1873.6	440.0	38.4	6.1	0.8
26°	3976.0	3927.7	3731.1	3441.6	3066.1	2525.5	1860.5	423.1	36.1	5.4	0.0
27°	4019.8	3970.7	3765.6	3459.3	3067.6	2512.5	1825.2	400.1	33.8	4.6	0.0
28°	4066.6	4009.8	3789.4	3469.2	3058.4	2481.8	1774.5	375.5	32.3	3.8	0.0
29°	4095.0	4041.3	3814.0	3480.0	3039.2	2430.3	1700.8	346.3	28.4	2.3	0.0
30°	4113.5	4049.7	3811.7	3468.5	3013.9	2375.0	1612.5	321.7	24.6	2.3	0.0
31°	4098.1	4031.3	3787.1	3436.2	2973.2	2302.8	1521.9	291.0	20.0	1.5	0.0
32°	4065.1	3986.0	3744.1	3380.2	2900.2	2209.9	1428.2	265.7	14.6	1.5	0.0
33°	3984.5	3917.7	3666.6	3304.9	2805.0	2084.0	1306.1	241.1	10.0	0.8	0.0
34°	3883.1	3816.3	3560.6	3204.3	2677.6	1921.2	1157.9	215.8	8.4	0.8	0.0
35°	3749.5	3683.5	3440.8	3063.8	2508.6	1725.4	1005.1	193.5	6.9	0.8	0.0
36°	3609.0	3521.4	3289.6	2914.1	2282.1	1502.7	841.6	168.2	5.4	0.8	0.0
37°	3402.4	3343.3	3086.1	2686.0	2037.2	1289.3	722.6	145.1	3.8	0.8	0.0
38°	3188.2	3133.7	2882.6	2456.4	1763.8	1078.1	605.1	122.9	3.1	0.0	0.0
39°	2967.0	2876.4	2628.4	2162.3	1477.4	903.0	509.1	102.9	1.5	0.0	0.0
40°	2620.0	2550.9	2285.9	1809.1	1222.4	731.8	433.8	78.3	1.5	0.0	0.0
42.5°	1736.9	1672.4	1394.5	981.3	649.6	427.7	286.4	30.7	0.0	0.8	0.0
45°	895.3	854.6	694.2	513.7	368.6	262.6	184.3	19.2	0.0	0.8	0.8
47.5°	355.5	348.6	314.8	271.8	209.6	155.9	100.6	8.4	0.0	0.8	0.8
50°	96.0	96.8	90.6	83.7	76.0	71.4	42.2	2.3	0.0	1.5	0.8
52.5°	40.7	41.5	39.9	37.6	33.8	25.3	16.9	0.8	0.8	1.5	1.5
55°	8.4	9.2	10.0	10.8	12.3	10.8	6.9	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	3.1
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	3.1	3.1
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	3.1	3.1
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	3.1	3.1
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	3.1	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°	35.3	35.3	35.3
2.5°	24.6	22.3	21.5
5°	16.9	14.6	13.1
7.5°	11.5	9.2	8.4
10°	7.7	6.1	5.4
12.5°	5.4	3.1	3.1
15°	3.1	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	3.1
50°	1.5	3.1	3.1
52.5°	2.3	3.1	3.8
55°	2.3	3.8	3.8
57.5°	3.1	3.8	4.6
60°	3.1	3.8	3.8
62.5°	3.1	4.6	4.6
65°	3.8	4.6	4.6
67.5°	3.8	4.6	4.6
70°	3.1	3.8	4.6
72.5°	3.1	3.8	3.8
75°	2.3	3.1	3.1
77.5°	2.3	2.3	3.1
80°	1.5	2.3	2.3

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CATALOG NUMBER: P3A13R25B2750DE010 E3CA301MW_2700K

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)