

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: P1343683

Luminaire Tested: P3A13R15B2750DE010 E3CA301MW_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1343683
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 E3CA301MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 80CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

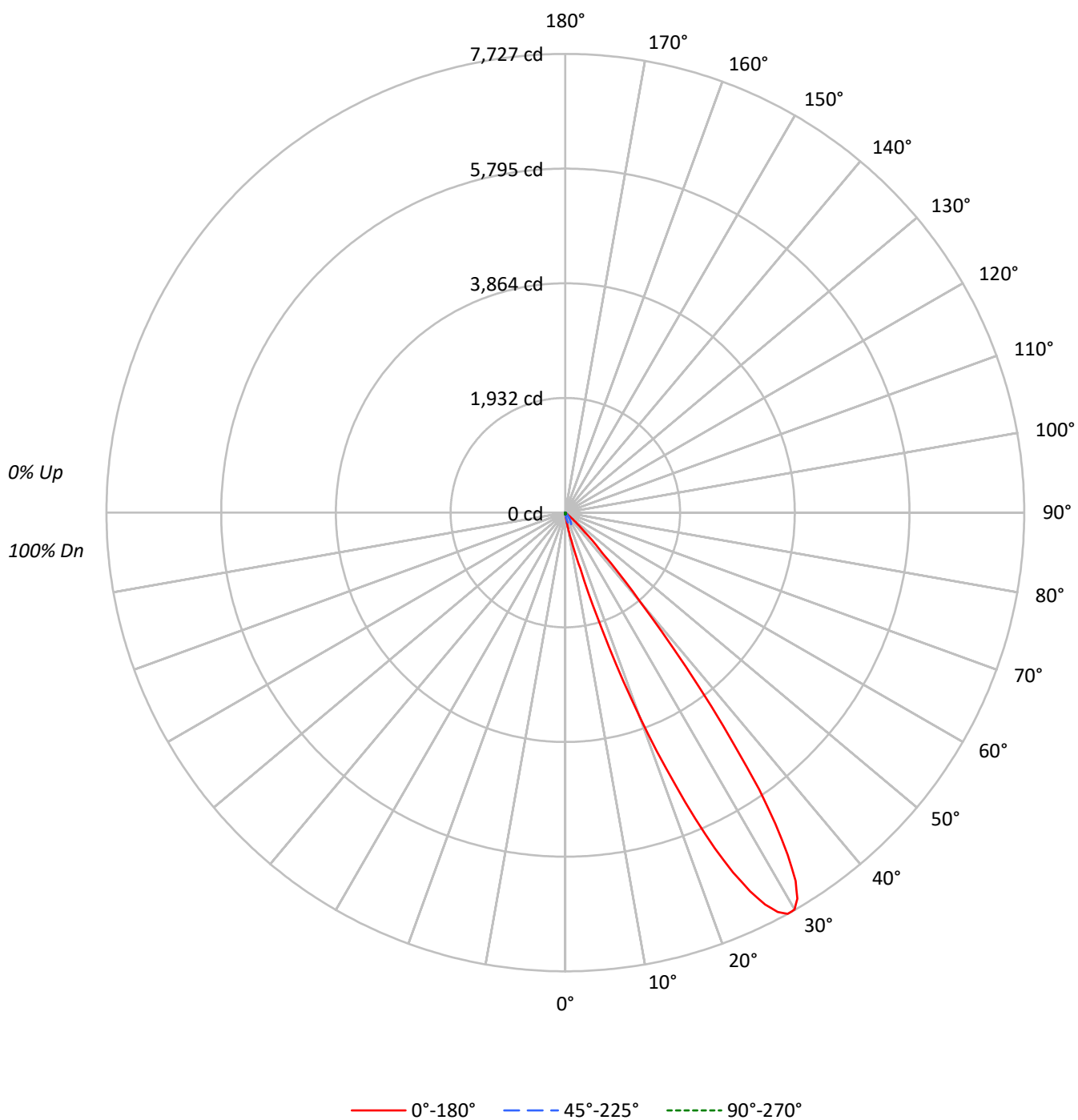
Lumens per Lamp: N/A
Luminaire Lumens: 844.0 lumens
Efficiency: N/A
Efficacy: 44.2 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1343683

CATALOG NUMBER: P3A13R15B2750DE010 E3CA301MW_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1343683

CATALOG NUMBER: P3A13R15B2750DE010 E3CA301MW_5000K

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°	6118	6118	6118	6118	6118
5°	13185	9751	5789	3082	2531
10°	58494	18459	4565	1269	913
15°	221227	42679	3178	568	363
20°	850831	60159	1913	187	187
25°	1617916	56423	992	0	0
30°	1954478	45526	405	0	0
35°	1524374	30999	214	0	0
40°	556271	15286	229	0	229
45°	142837	4590	248	0	496
50°	24084	546	273	273	853
55°	3135	0	612	956	1567
60°	351	351	1096	1447	2149
65°	415	415	1712	2127	2542
70°	513	513	2116	2116	2629
75°	678	678	2796	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: 142837 cd/sqm

TEST NUMBER: P1343683

CATALOG NUMBER: P3A13R15B2750DE010 E3CA301MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.5
10°-20°	64.7	7.7
20°-30°	358.7	42.5
30°-40°	346.5	41.1
40°-50°	60.3	7.1
50°-60°	4.3	0.5
60°-70°	2.5	0.3
70°-80°	2.1	0.2
80°-90°	1.0	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°	427.2	50.6
0°-40°	773.7	91.7
0°-60°	838.3	99.3
0°-90°	844.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	844.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	28	28	28	28	28	
5°	60	44	26	14	12	12
15°	974	188	14	2	2	434
25°	6687	233	4	0	0	2990
35°	5694	116	1	0	0	3275
45°	461	15	1	0	2	495
55°	8	0	2	2	4	16
65°	1	1	3	4	5	1
75°	1	1	3	2	3	1
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1343683

CATALOG NUMBER: P3A13R15B2750DE010 E3CA301MW_5000K

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
2.5°	41.0	39.4	40.2	40.2	40.2	40.2	40.2	38.6	38.6	39.4	35.3
5°	59.9	59.9	59.1	59.9	59.9	59.1	57.5	56.6	56.6	55.0	44.3
7.5°	119.9	118.2	118.2	116.6	108.4	105.9	104.3	100.2	92.8	91.1	57.5
10°	262.7	263.5	257.8	250.4	249.6	237.3	233.2	225.8	211.8	197.9	82.9
12.5°	477.0	466.3	452.4	453.2	429.4	421.2	402.3	381.8	360.4	338.3	136.3
15°	974.5	944.1	962.2	917.9	867.8	811.1	753.7	681.4	619.9	554.2	188.0
17.5°	2052.5	2082.1	2032.0	1842.3	1725.7	1588.6	1395.7	1209.3	1050.1	922.0	229.9
20°	3646.1	3689.6	3519.6	3354.6	3071.4	2762.7	2440.8	2076.3	1727.4	1425.3	257.8
21°	4311.9	4285.6	4215.8	3951.5	3624.7	3266.8	2872.7	2470.4	2047.6	1655.1	260.3
22°	4955.6	4967.9	4805.3	4528.6	4188.7	3792.2	3311.1	2814.4	2358.7	1842.3	256.2
23°	5596.8	5636.2	5421.1	5161.6	4733.9	4286.4	3729.8	3193.7	2630.5	2056.6	247.9
24°	6190.3	6163.2	6017.9	5691.2	5233.9	4710.1	4132.1	3481.9	2853.8	2239.7	241.4
25°	6687.0	6683.8	6455.5	6137.8	5614.8	5034.4	4397.3	3717.5	3045.1	2363.7	233.2
26°	7093.4	7026.9	6847.1	6459.6	5943.2	5330.8	4614.8	3889.1	3152.6	2426.1	225.0
27°	7407.1	7359.4	7118.1	6715.0	6175.6	5498.2	4754.4	3974.5	3201.9	2446.6	214.3
28°	7618.1	7566.3	7309.4	6893.9	6303.6	5603.3	4828.3	4010.6	3201.9	2426.9	204.4
29°	7727.3	7656.6	7400.5	6955.5	6333.2	5615.6	4810.2	3975.3	3151.8	2366.1	192.9
30°	7719.0	7631.2	7362.7	6899.7	6245.3	5514.7	4709.3	3848.0	3038.5	2275.8	179.8
31°	7586.0	7487.5	7187.9	6710.9	6063.9	5324.2	4518.8	3677.3	2883.4	2158.4	166.7
32°	7315.9	7191.1	6898.9	6423.5	5784.8	5039.3	4242.1	3413.7	2651.0	1986.8	152.7
33°	6875.9	6750.3	6436.6	5990.8	5407.1	4678.1	3875.1	3130.5	2386.6	1782.4	141.2
34°	6325.0	6210.0	5939.9	5490.8	4930.9	4220.8	3453.1	2738.9	2112.4	1579.6	128.9
35°	5694.5	5511.4	5266.7	4911.2	4365.3	3651.0	2997.5	2374.3	1830.0	1367.0	115.8
36°	4841.4	4874.3	4614.8	4179.7	3727.3	3167.4	2540.2	1979.4	1530.3	1165.0	104.3
37°	4085.3	4033.6	3868.6	3531.9	3137.9	2582.0	2128.9	1678.1	1287.3	985.2	92.0
38°	3295.5	3307.0	3145.3	2886.6	2495.8	2123.1	1713.4	1378.5	1077.2	838.2	80.5
39°	2579.6	2570.6	2527.0	2287.3	1933.5	1688.8	1388.3	1142.8	897.4	706.9	68.1
40°	1943.3	1958.1	1856.3	1711.8	1505.7	1304.6	1105.9	911.3	742.2	596.0	53.4
42.5°	945.0	968.0	900.6	863.7	772.6	693.7	585.4	477.8	406.4	351.4	23.8
45°	460.6	447.4	441.7	423.6	402.3	359.6	318.5	273.4	238.9	206.1	14.8
47.5°	235.6	229.1	229.1	221.7	214.3	200.3	179.8	165.0	148.6	128.1	5.7
50°	70.6	69.8	69.0	69.8	67.3	69.8	71.4	72.2	65.7	64.9	1.6
52.5°	27.9	28.7	27.9	30.4	30.4	29.6	30.4	29.6	28.7	25.5	0.0
55°	8.2	8.2	8.2	8.2	8.2	8.2	9.0	9.9	9.0	9.9	0.0
57.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0
60°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8
62.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8



TEST NUMBER: P1343683

CATALOG NUMBER: P3A13R15B2750DE010 E3CA301MW_5000K

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	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1343683

CATALOG NUMBER: P3A13R15B2750DE010 E3CA301MW_5000K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	27.9	27.9	27.9	27.9	27.9	27.9
2.5°	32.8	28.7	23.8	19.7	18.1	17.2
5°	35.3	26.3	18.1	14.0	12.3	11.5
7.5°	37.8	23.8	14.0	9.9	7.4	6.6
10°	39.4	20.5	10.7	5.7	4.1	4.1
12.5°	39.4	16.4	7.4	3.3	2.5	2.5
15°	38.6	14.0	4.9	2.5	1.6	1.6
17.5°	37.8	10.7	3.3	1.6	0.8	1.6
20°	35.3	8.2	1.6	0.8	0.8	0.8
21°	34.5	7.4	1.6	0.8	0.8	0.8
22°	32.8	6.6	0.8	0.0	0.8	0.8
23°	31.2	4.9	0.8	0.0	0.0	0.0
24°	28.7	4.1	0.8	0.0	0.0	0.0
25°	27.1	4.1	0.8	0.0	0.0	0.0
26°	25.5	2.5	0.0	0.0	0.0	0.0
27°	23.0	1.6	0.0	0.0	0.0	0.0
28°	21.3	1.6	0.0	0.0	0.0	0.0
29°	18.9	1.6	0.0	0.0	0.0	0.0
30°	16.4	1.6	0.0	0.0	0.0	0.0
31°	13.1	0.8	0.0	0.0	0.0	0.0
32°	10.7	0.8	0.0	0.0	0.0	0.0
33°	7.4	0.8	0.0	0.0	0.0	0.0
34°	4.9	0.8	0.0	0.0	0.0	0.0
35°	4.1	0.8	0.0	0.0	0.0	0.0
36°	2.5	0.8	0.0	0.0	0.0	0.8
37°	2.5	0.8	0.0	0.0	0.0	0.8
38°	1.6	0.8	0.0	0.0	0.0	0.8
39°	0.8	0.8	0.0	0.0	0.0	0.8
40°	0.8	0.8	0.0	0.0	0.0	0.8
42.5°	0.0	0.8	0.0	0.0	0.8	1.6
45°	0.0	0.8	0.0	0.0	0.8	1.6
47.5°	0.0	0.8	0.0	0.0	1.6	1.6
50°	0.0	0.8	0.8	0.8	1.6	2.5
52.5°	0.0	1.6	0.8	1.6	2.5	3.3
55°	0.8	1.6	1.6	2.5	3.3	4.1
57.5°	0.8	2.5	2.5	3.3	4.1	4.1
60°	1.6	2.5	3.3	3.3	4.9	4.9
62.5°	1.6	3.3	3.3	3.3	4.9	4.9
65°	1.6	3.3	3.3	4.1	4.9	4.9
67.5°	1.6	3.3	3.3	3.3	4.1	4.9
70°	1.6	3.3	2.5	3.3	4.1	4.1
72.5°	1.6	3.3	2.5	2.5	3.3	4.1
75°	1.6	3.3	2.5	2.5	3.3	3.3
77.5°	1.6	2.5	2.5	1.6	2.5	2.5
80°	1.6	2.5	1.6	1.6	2.5	2.5



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	1.6	2.5	1.6	0.8	1.6	1.6
85°	1.6	2.5	1.6	0.8	0.8	0.8
87.5°	1.6	2.5	0.8	0.0	0.0	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)