

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: P1343680

Luminaire Tested: P3A13R15B2750DE010 E3CA301MW_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1343680
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_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

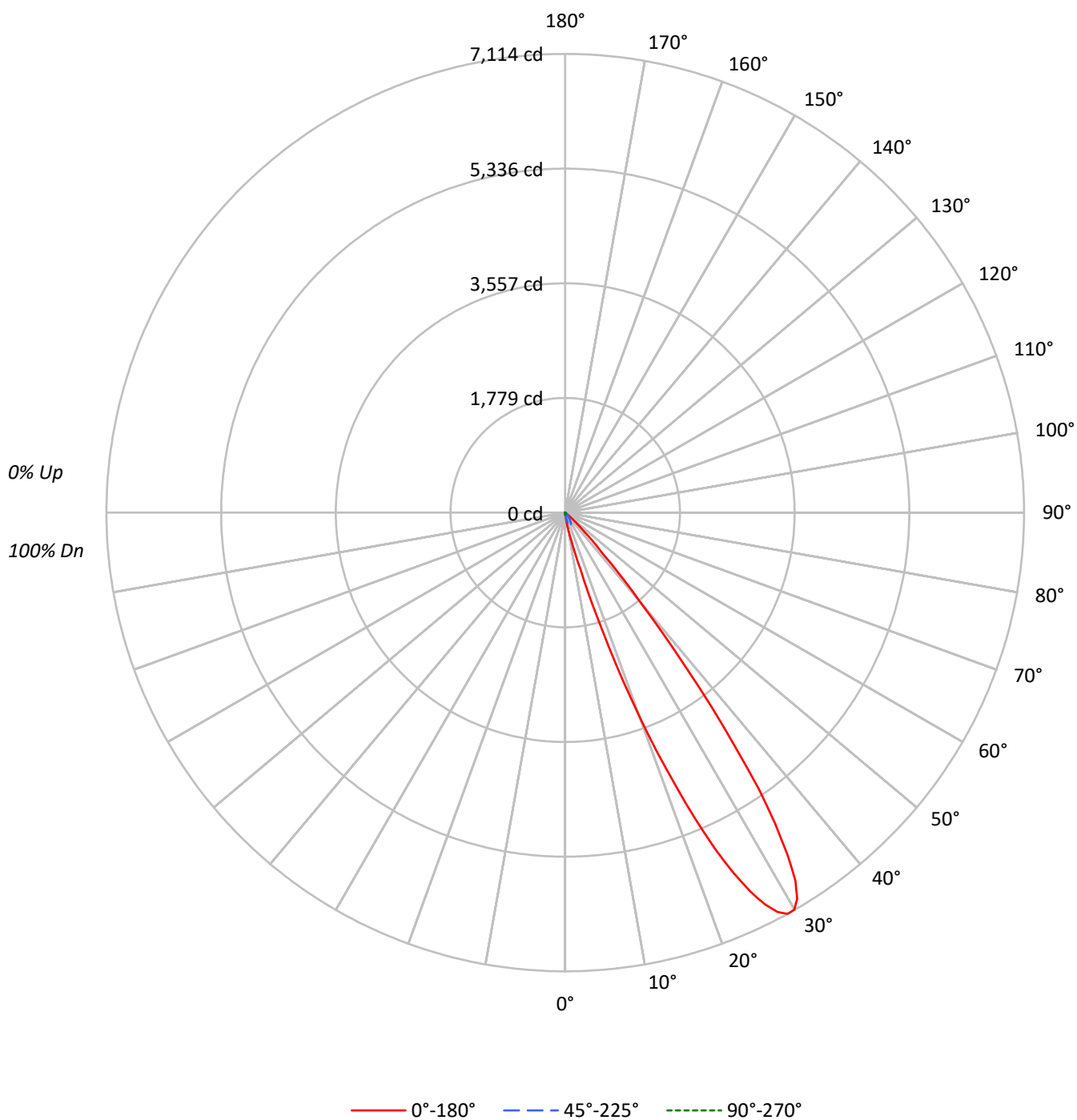
Lumens per Lamp: N/A
Luminaire Lumens: 777.1 lumens
Efficiency: N/A
Efficacy: 40.7 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1343680

CATALOG NUMBER: P3A13R15B2750DE010 E3CA301MW_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1343680

CATALOG NUMBER: P3A13R15B2750DE010 E3CA301MW_3000K

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	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	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5636	5636	5636	5636	5636
5°	12151	8981	5327	2818	2333
10°	53862	16989	4208	1180	846
15°	203679	39296	2906	522	341
20°	783275	55375	1773	187	187
25°	1489489	51947	919	0	0
30°	1799340	41905	380	0	0
35°	1403350	28536	214	0	0
40°	512102	14055	229	0	229
45°	131487	4217	248	0	465
50°	22174	512	273	273	785
55°	2906	0	573	879	1453
60°	351	351	1009	1316	1974
65°	415	415	1557	1972	2335
70°	513	513	1923	1923	2436
75°	678	678	2542	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: 131487 cd/sqm

TEST NUMBER: P1343680

CATALOG NUMBER: P3A13R15B2750DE010 E3CA301MW_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.5
10°-20°	59.5	7.7
20°-30°	330.2	42.5
30°-40°	319.0	41.1
40°-50°	55.5	7.1
50°-60°	4.0	0.5
60°-70°	2.3	0.3
70°-80°	1.9	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°	393.3	50.6
0°-40°	712.3	91.7
0°-60°	771.8	99.3
0°-90°	777.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	777.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	55	41	24	13	11	11
15°	897	173	13	2	2	400
25°	6156	215	4	0	0	2753
35°	5242	107	1	0	0	3015
45°	424	14	1	0	2	455
55°	8	0	2	2	4	15
65°	1	1	3	4	4	1
75°	1	1	3	2	3	1
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1343680

CATALOG NUMBER: P3A13R15B2750DE010 E3CA301MW_3000K

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
2.5°	37.8	36.3	37.0	37.0	37.0	37.0	37.0	35.5	35.5	36.3	32.5
5°	55.2	55.2	54.4	55.2	55.2	54.4	52.9	52.2	52.2	50.6	40.8
7.5°	110.4	108.8	108.8	107.3	99.8	97.5	96.0	92.2	85.4	83.9	52.9
10°	241.9	242.6	237.3	230.5	229.8	218.4	214.7	207.9	195.0	182.2	76.3
12.5°	439.1	429.3	416.5	417.2	395.3	387.7	370.4	351.5	331.8	311.4	125.5
15°	897.2	869.2	885.8	845.0	798.9	746.8	693.8	627.3	570.6	510.2	173.1
17.5°	1889.6	1916.8	1870.7	1696.1	1588.7	1462.5	1284.9	1113.3	966.7	848.8	211.6
20°	3356.6	3396.7	3240.2	3088.3	2827.5	2543.4	2247.1	1911.5	1590.3	1312.1	237.3
21°	3969.6	3945.4	3881.2	3637.8	3337.0	3007.4	2644.6	2274.3	1885.0	1523.7	239.6
22°	4562.2	4573.5	4423.8	4169.1	3856.2	3491.2	3048.2	2591.0	2171.5	1696.1	235.8
23°	5152.5	5188.7	4990.7	4751.9	4358.1	3946.2	3433.7	2940.2	2421.7	1893.3	228.3
24°	5698.9	5674.0	5540.2	5239.4	4818.4	4336.2	3804.1	3205.5	2627.2	2061.9	222.2
25°	6156.2	6153.2	5943.1	5650.6	5169.1	4634.7	4048.2	3422.4	2803.4	2176.0	214.7
26°	6530.3	6469.1	6303.6	5946.8	5471.4	4907.6	4248.5	3580.3	2902.4	2233.5	207.1
27°	6819.1	6775.2	6553.0	6181.9	5685.3	5061.8	4377.0	3659.0	2947.7	2252.4	197.3
28°	7013.3	6965.7	6729.1	6346.7	5803.2	5158.5	4445.0	3692.2	2947.7	2234.2	188.2
29°	7113.8	7048.8	6813.0	6403.4	5830.4	5169.8	4428.4	3659.7	2901.6	2178.3	177.6
30°	7106.3	7025.4	6778.2	6352.0	5749.6	5076.9	4335.4	3542.6	2797.3	2095.1	165.5
31°	6983.8	6893.1	6617.3	6178.1	5582.5	4901.5	4160.1	3385.3	2654.5	1987.1	153.4
32°	6735.2	6620.3	6351.2	5913.6	5325.5	4639.3	3905.4	3142.7	2440.6	1829.1	140.6
33°	6330.0	6214.4	5925.7	5515.3	4977.9	4306.7	3567.5	2882.0	2197.2	1640.9	130.0
34°	5822.9	5717.1	5468.4	5055.0	4539.5	3885.7	3179.0	2521.4	1944.7	1454.2	118.7
35°	5242.4	5073.9	4848.6	4521.3	4018.7	3361.2	2759.5	2185.8	1684.7	1258.4	106.6
36°	4457.1	4487.3	4248.5	3847.9	3431.4	2916.0	2338.5	1822.3	1408.9	1072.5	96.0
37°	3761.0	3713.4	3561.5	3251.6	2888.8	2377.1	1959.9	1544.9	1185.1	907.0	84.7
38°	3033.9	3044.5	2895.6	2657.5	2297.7	1954.6	1577.4	1269.0	991.6	771.7	74.1
39°	2374.8	2366.5	2326.4	2105.7	1780.0	1554.7	1278.1	1052.1	826.1	650.8	62.7
40°	1789.0	1802.6	1708.9	1575.9	1386.2	1201.0	1018.1	839.0	683.3	548.7	49.1
42.5°	870.0	891.1	829.1	795.1	711.2	638.7	538.9	439.9	374.1	323.5	21.9
45°	424.0	411.9	406.6	390.0	370.4	331.1	293.3	251.7	219.9	189.7	13.6
47.5°	216.9	210.9	210.9	204.1	197.3	184.4	165.5	151.9	136.8	117.9	5.3
50°	65.0	64.2	63.5	64.2	62.0	64.2	65.8	66.5	60.5	59.7	1.5
52.5°	25.7	26.5	25.7	28.0	28.0	27.2	28.0	27.2	26.5	23.4	0.0
55°	7.6	7.6	7.6	7.6	7.6	7.6	8.3	9.1	8.3	9.1	0.0
57.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	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: P1343680

CATALOG NUMBER: P3A13R15B2750DE010 E3CA301MW_3000K

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: P1343680

CATALOG NUMBER: P3A13R15B2750DE010 E3CA301MW_3000K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	25.7	25.7	25.7	25.7	25.7	25.7
2.5°	30.2	26.5	21.9	18.1	16.6	15.9
5°	32.5	24.2	16.6	12.8	11.3	10.6
7.5°	34.8	21.9	12.8	9.1	6.8	6.0
10°	36.3	18.9	9.8	5.3	3.8	3.8
12.5°	36.3	15.1	6.8	3.0	2.3	2.3
15°	35.5	12.8	4.5	2.3	1.5	1.5
17.5°	34.8	9.8	3.0	1.5	0.8	1.5
20°	32.5	7.6	1.5	0.8	0.8	0.8
21°	31.7	6.8	1.5	0.8	0.8	0.8
22°	30.2	6.0	0.8	0.0	0.8	0.8
23°	28.7	4.5	0.8	0.0	0.0	0.0
24°	26.5	3.8	0.8	0.0	0.0	0.0
25°	24.9	3.8	0.8	0.0	0.0	0.0
26°	23.4	2.3	0.0	0.0	0.0	0.0
27°	21.2	1.5	0.0	0.0	0.0	0.0
28°	19.7	1.5	0.0	0.0	0.0	0.0
29°	17.4	1.5	0.0	0.0	0.0	0.0
30°	15.1	1.5	0.0	0.0	0.0	0.0
31°	12.1	0.8	0.0	0.0	0.0	0.0
32°	9.8	0.8	0.0	0.0	0.0	0.0
33°	6.8	0.8	0.0	0.0	0.0	0.0
34°	4.5	0.8	0.0	0.0	0.0	0.0
35°	3.8	0.8	0.0	0.0	0.0	0.0
36°	2.3	0.8	0.0	0.0	0.0	0.8
37°	2.3	0.8	0.0	0.0	0.0	0.8
38°	1.5	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	1.5
45°	0.0	0.8	0.0	0.0	0.8	1.5
47.5°	0.0	0.8	0.0	0.0	1.5	1.5
50°	0.0	0.8	0.8	0.8	1.5	2.3
52.5°	0.0	1.5	0.8	1.5	2.3	3.0
55°	0.8	1.5	1.5	2.3	3.0	3.8
57.5°	0.8	2.3	2.3	3.0	3.8	3.8
60°	1.5	2.3	3.0	3.0	4.5	4.5
62.5°	1.5	3.0	3.0	3.0	4.5	4.5
65°	1.5	3.0	3.0	3.8	4.5	4.5
67.5°	1.5	3.0	3.0	3.0	3.8	4.5
70°	1.5	3.0	2.3	3.0	3.8	3.8
72.5°	1.5	3.0	2.3	2.3	3.0	3.8
75°	1.5	3.0	2.3	2.3	3.0	3.0
77.5°	1.5	2.3	2.3	1.5	2.3	2.3
80°	1.5	2.3	1.5	1.5	2.3	2.3



TEST NUMBER: P1343680

CATALOG NUMBER: P3A13R15B2750DE010 E3CA301MW_3000K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	1.5	2.3	1.5	0.8	1.5	1.5
85°	1.5	2.3	1.5	0.8	0.8	0.8
87.5°	1.5	2.3	0.8	0.0	0.0	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)