

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: P1336588

Luminaire Tested: P3A05R15B2750DE010 E3CA301MW_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336588
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: P3A05R15B2750DE010 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

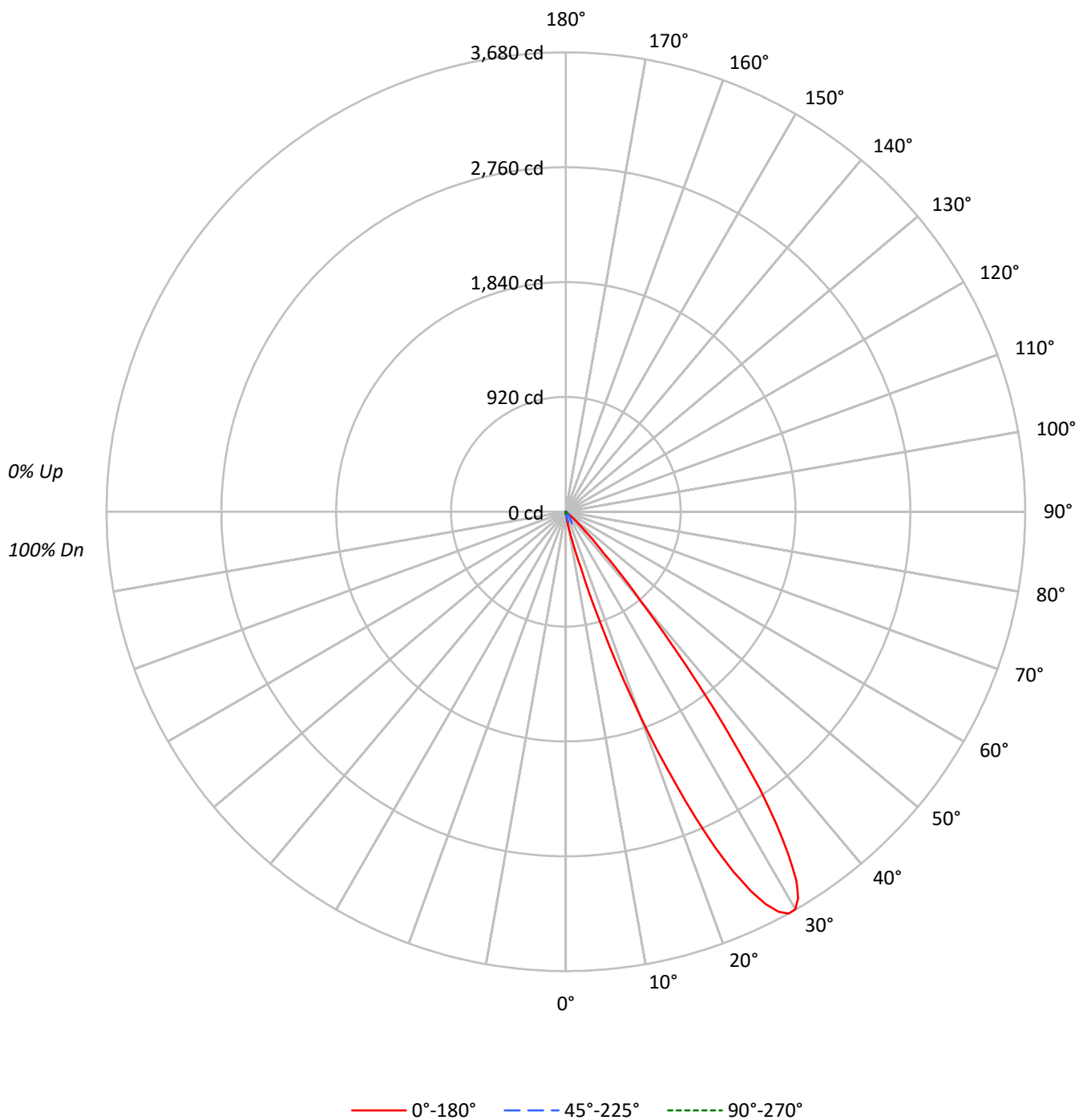
Lumens per Lamp: N/A
Luminaire Lumens: 402.1 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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	96	92	104	98	94	91	95	92	89	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	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	70	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	63	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	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	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2916	2916	2916	2916	2916
5°	6273	4644	2751	1453	1211
10°	27855	8795	2182	601	445
15°	105381	20318	1498	272	182
20°	405242	28656	910	93	93
25°	770633	26881	484	0	0
30°	930928	21674	203	0	0
35°	726062	14750	107	0	0
40°	264954	7271	115	0	115
45°	68038	2171	124	0	248
50°	11462	273	136	136	409
55°	1491	0	306	459	765
60°	175	175	526	702	1009
65°	208	208	830	1038	1193
70°	256	256	1026	1026	1282
75°	339	339	1356	1017	1356
80°	0	505	1515	1010	1515
85°	0	1006	3019	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 68038 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.5
10°-20°	30.8	7.7
20°-30°	170.9	42.5
30°-40°	165.1	41.1
40°-50°	28.7	7.1
50°-60°	2.1	0.5
60°-70°	1.2	0.3
70°-80°	1.0	0.3
80°-90°	0.5	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°	203.5	50.6
0°-40°	368.5	91.7
0°-60°	399.3	99.3
0°-90°	402.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	402.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	28	21	12	7	6	6
15°	464	90	7	1	1	207
25°	3185	111	2	0	0	1424
35°	2712	55	0	0	0	1560
45°	219	7	0	0	1	236
55°	4	0	1	1	2	8
65°	0	0	2	2	2	0
75°	0	0	2	1	2	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
2.5°	19.6	18.8	19.2	19.2	19.2	19.2	19.2	18.4	18.4	18.8	16.8
5°	28.5	28.5	28.2	28.5	28.5	28.2	27.4	27.0	27.0	26.2	21.1
7.5°	57.1	56.3	56.3	55.5	51.6	50.4	49.7	47.7	44.2	43.4	27.4
10°	125.1	125.5	122.8	119.3	118.9	113.0	111.1	107.5	100.9	94.2	39.5
12.5°	227.2	222.1	215.5	215.9	204.5	200.6	191.6	181.8	171.7	161.1	64.9
15°	464.2	449.7	458.3	437.2	413.3	386.4	359.0	324.6	295.2	264.0	89.5
17.5°	977.6	991.7	967.8	877.5	822.0	756.7	664.8	576.0	500.1	439.1	109.5
20°	1736.6	1757.4	1676.4	1597.8	1462.9	1315.9	1162.6	989.0	822.8	678.9	122.8
21°	2053.8	2041.3	2008.0	1882.1	1726.5	1556.0	1368.3	1176.7	975.3	788.3	124.0
22°	2360.3	2366.2	2288.8	2157.0	1995.1	1806.2	1577.1	1340.5	1123.5	877.5	122.0
23°	2665.8	2684.5	2582.1	2458.5	2254.8	2041.6	1776.5	1521.2	1252.9	979.6	118.1
24°	2948.5	2935.6	2866.4	2710.7	2492.9	2243.4	1968.1	1658.4	1359.3	1066.8	115.0
25°	3185.1	3183.5	3074.8	2923.5	2674.4	2397.9	2094.4	1770.7	1450.4	1125.8	111.1
26°	3378.6	3347.0	3261.3	3076.7	2830.8	2539.1	2198.1	1852.4	1501.6	1155.5	107.1
27°	3528.0	3505.3	3390.4	3198.4	2941.4	2618.8	2264.5	1893.0	1525.1	1165.3	102.1
28°	3628.5	3603.9	3481.5	3283.6	3002.4	2668.9	2299.7	1910.3	1525.1	1155.9	97.4
29°	3680.5	3646.9	3524.9	3312.9	3016.5	2674.7	2291.1	1893.4	1501.2	1127.0	91.9
30°	3676.6	3634.8	3506.9	3286.3	2974.7	2626.6	2243.0	1832.8	1447.3	1084.0	85.6
31°	3613.3	3566.3	3423.6	3196.4	2888.3	2535.9	2152.3	1751.5	1373.3	1028.1	79.4
32°	3484.6	3425.2	3286.0	3059.5	2755.3	2400.2	2020.5	1626.0	1262.7	946.3	72.7
33°	3275.0	3215.2	3065.8	2853.5	2575.4	2228.2	1845.7	1491.1	1136.8	849.0	67.3
34°	3012.6	2957.9	2829.2	2615.3	2348.6	2010.4	1644.7	1304.5	1006.2	752.4	61.4
35°	2712.3	2625.1	2508.6	2339.2	2079.2	1739.0	1427.7	1130.9	871.6	651.1	55.1
36°	2306.0	2321.6	2198.1	1990.8	1775.3	1508.7	1209.9	942.8	728.9	554.9	49.7
37°	1945.8	1921.2	1842.6	1682.3	1494.6	1229.8	1014.0	799.3	613.2	469.3	43.8
38°	1569.7	1575.1	1498.1	1374.9	1188.8	1011.2	816.1	656.6	513.1	399.3	38.3
39°	1228.7	1224.4	1203.6	1089.5	920.9	804.4	661.3	544.3	427.4	336.7	32.5
40°	925.6	932.6	884.2	815.3	717.2	621.4	526.7	434.1	353.5	283.9	25.4
42.5°	450.1	461.0	429.0	411.4	368.0	330.4	278.8	227.6	193.6	167.4	11.3
45°	219.4	213.1	210.4	201.8	191.6	171.3	151.7	130.2	113.8	98.2	7.0
47.5°	112.2	109.1	109.1	105.6	102.1	95.4	85.6	78.6	70.8	61.0	2.7
50°	33.6	33.2	32.8	33.2	32.1	33.2	34.0	34.4	31.3	30.9	0.8
52.5°	13.3	13.7	13.3	14.5	14.5	14.1	14.5	14.1	13.7	12.1	0.0
55°	3.9	3.9	3.9	3.9	3.9	3.9	4.3	4.7	4.3	4.7	0.0
57.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4



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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	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	13.3	13.3	13.3	13.3	13.3	13.3
2.5°	15.6	13.7	11.3	9.4	8.6	8.2
5°	16.8	12.5	8.6	6.6	5.9	5.5
7.5°	18.0	11.3	6.6	4.7	3.5	3.1
10°	18.8	9.8	5.1	2.7	2.0	2.0
12.5°	18.8	7.8	3.5	1.6	1.2	1.2
15°	18.4	6.6	2.3	1.2	0.8	0.8
17.5°	18.0	5.1	1.6	0.8	0.4	0.8
20°	16.8	3.9	0.8	0.4	0.4	0.4
21°	16.4	3.5	0.8	0.4	0.4	0.4
22°	15.6	3.1	0.4	0.0	0.4	0.4
23°	14.9	2.3	0.4	0.0	0.0	0.0
24°	13.7	2.0	0.4	0.0	0.0	0.0
25°	12.9	2.0	0.4	0.0	0.0	0.0
26°	12.1	1.2	0.0	0.0	0.0	0.0
27°	10.9	0.8	0.0	0.0	0.0	0.0
28°	10.2	0.8	0.0	0.0	0.0	0.0
29°	9.0	0.8	0.0	0.0	0.0	0.0
30°	7.8	0.8	0.0	0.0	0.0	0.0
31°	6.3	0.4	0.0	0.0	0.0	0.0
32°	5.1	0.4	0.0	0.0	0.0	0.0
33°	3.5	0.4	0.0	0.0	0.0	0.0
34°	2.3	0.4	0.0	0.0	0.0	0.0
35°	2.0	0.4	0.0	0.0	0.0	0.0
36°	1.2	0.4	0.0	0.0	0.0	0.4
37°	1.2	0.4	0.0	0.0	0.0	0.4
38°	0.8	0.4	0.0	0.0	0.0	0.4
39°	0.4	0.4	0.0	0.0	0.0	0.4
40°	0.4	0.4	0.0	0.0	0.0	0.4
42.5°	0.0	0.4	0.0	0.0	0.4	0.8
45°	0.0	0.4	0.0	0.0	0.4	0.8
47.5°	0.0	0.4	0.0	0.0	0.8	0.8
50°	0.0	0.4	0.4	0.4	0.8	1.2
52.5°	0.0	0.8	0.4	0.8	1.2	1.6
55°	0.4	0.8	0.8	1.2	1.6	2.0
57.5°	0.4	1.2	1.2	1.6	2.0	2.0
60°	0.8	1.2	1.6	1.6	2.3	2.3
62.5°	0.8	1.6	1.6	1.6	2.3	2.3
65°	0.8	1.6	1.6	2.0	2.3	2.3
67.5°	0.8	1.6	1.6	1.6	2.0	2.3
70°	0.8	1.6	1.2	1.6	2.0	2.0
72.5°	0.8	1.6	1.2	1.2	1.6	2.0
75°	0.8	1.6	1.2	1.2	1.6	1.6
77.5°	0.8	1.2	1.2	0.8	1.2	1.2
80°	0.8	1.2	0.8	0.8	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.8	1.2	0.8	0.4	0.8	0.8
85°	0.8	1.2	0.8	0.4	0.4	0.4
87.5°	0.8	1.2	0.4	0.0	0.0	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)