

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: P1344644

Luminaire Tested: P3A13R25B2750DE010 E3A301WMH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344644
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 E3A301WMH_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

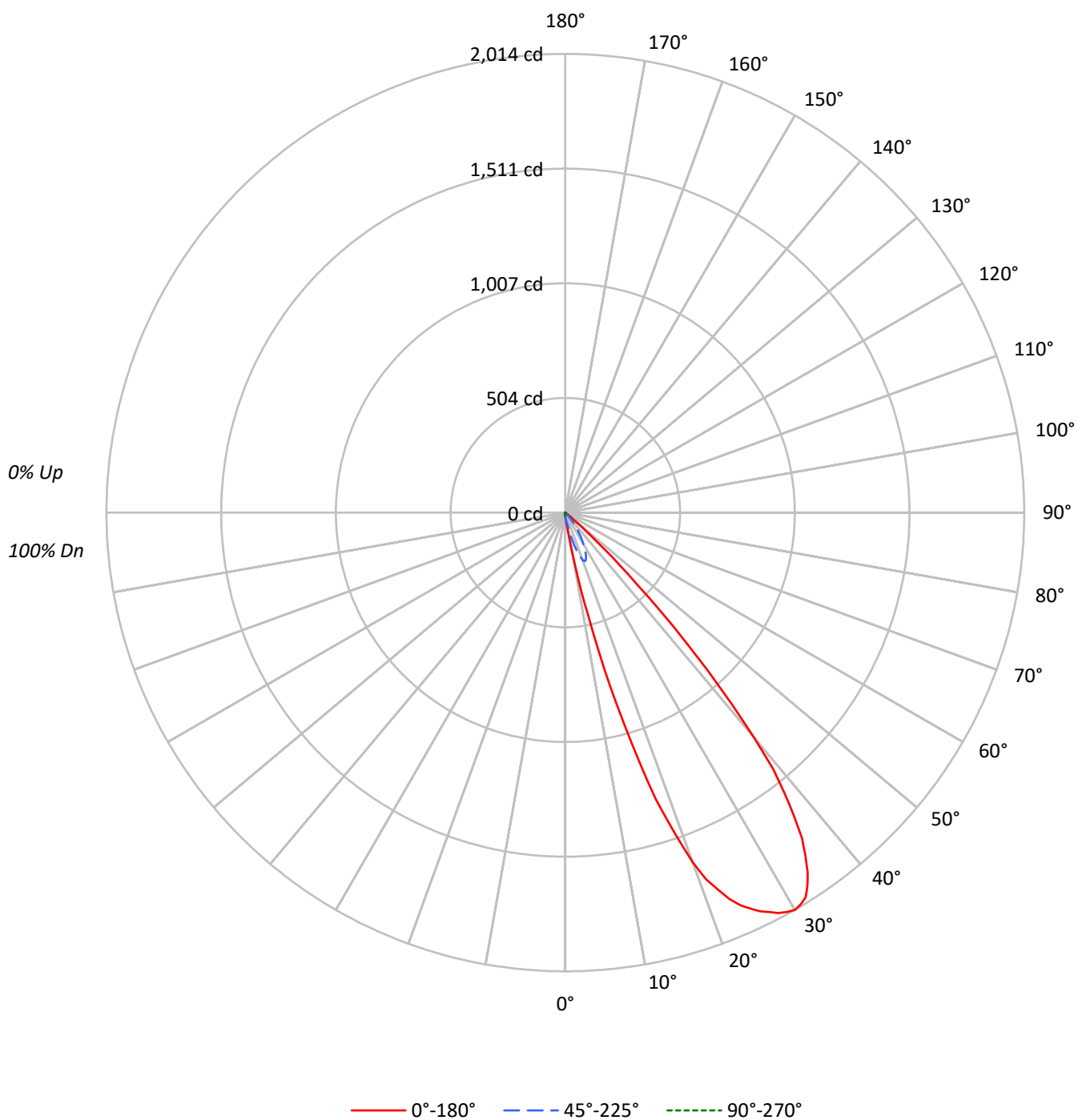
Lumens per Lamp: N/A
Luminaire Lumens: 403.1 lumens
Efficiency: N/A
Efficacy: 21.1 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	95	92	103	98	94	90	95	92	88	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	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	69	59	52	47	58	52	47	57	51	47	56	50	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	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3794	3794	3794	3794	3794
5°	9509	7044	3566	1827	1409
10°	41616	11979	2939	846	579
15°	197867	32259	2043	341	250
20°	380880	51688	1307	93	93
25°	463865	52140	726	0	0
30°	510028	39880	279	0	0
35°	491483	25377	107	0	0
40°	367231	10992	0	0	115
45°	135952	2915	124	124	341
50°	16034	375	273	273	512
55°	1567	0	306	421	726
60°	175	0	482	658	833
65°	208	208	778	986	1193
70°	256	256	962	962	1475
75°	339	339	932	932	1271
80°	0	505	1389	1010	1389
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 135952 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.6
10°-20°	47.0	11.7
20°-30°	147.5	36.6
30°-40°	155.2	38.5
40°-50°	45.6	11.3
50°-60°	2.5	0.6
60°-70°	1.2	0.3
70°-80°	1.0	0.3
80°-90°	0.6	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°	197.0	48.9
0°-40°	352.2	87.4
0°-60°	400.3	99.3
0°-90°	403.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	403.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	17	17	17	17	17	
5°	43	32	16	8	6	8
15°	872	142	9	2	1	275
25°	1917	216	3	0	0	879
35°	1836	95	0	0	0	1108
45°	438	9	0	0	1	398
55°	4	0	1	1	2	11
65°	0	0	2	2	2	0
75°	0	0	1	1	2	0
85°	0	0	1	0	0	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°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
2.5°	26.7	27.1	25.9	26.7	25.9	25.6	25.2	23.3	20.3	17.3	14.3
5°	43.2	43.2	41.4	41.0	40.2	38.7	37.2	32.0	22.9	16.2	11.3
7.5°	67.7	67.3	66.6	64.7	60.9	57.2	53.4	41.7	25.2	15.0	8.6
10°	186.9	184.2	180.9	160.6	137.6	117.3	99.6	53.8	27.1	13.2	6.4
12.5°	464.4	449.3	413.6	373.0	321.1	266.6	213.2	87.6	27.8	10.9	4.5
15°	871.6	840.4	784.7	703.5	597.5	478.3	376.8	142.1	27.1	9.0	3.4
17.5°	1316.0	1285.9	1208.9	1085.5	929.5	746.4	566.6	188.4	25.2	7.5	2.3
20°	1632.2	1600.3	1528.1	1397.2	1228.4	984.4	746.0	221.5	23.7	5.6	1.1
21°	1724.7	1692.8	1616.4	1490.1	1312.6	1067.9	803.5	227.1	22.6	4.9	0.8
22°	1783.4	1764.6	1682.6	1560.0	1379.2	1134.8	852.8	229.7	21.8	4.5	0.8
23°	1842.4	1814.2	1737.5	1608.2	1429.9	1184.4	889.2	227.9	21.1	3.8	0.4
24°	1886.0	1862.3	1773.2	1645.4	1465.3	1214.9	910.7	223.0	19.9	3.4	0.4
25°	1917.2	1895.4	1802.6	1670.6	1489.0	1231.4	917.5	215.5	18.8	3.0	0.4
26°	1946.9	1923.3	1827.0	1685.3	1501.4	1236.7	911.1	207.2	17.7	2.6	0.0
27°	1968.4	1944.3	1843.9	1693.9	1502.1	1230.3	893.8	195.9	16.5	2.3	0.0
28°	1991.3	1963.5	1855.6	1698.8	1497.6	1215.2	868.9	183.9	15.8	1.9	0.0
29°	2005.2	1978.9	1867.6	1704.1	1488.2	1190.1	832.8	169.6	13.9	1.1	0.0
30°	2014.3	1983.0	1866.5	1698.4	1475.8	1163.0	789.6	157.5	12.0	1.1	0.0
31°	2006.7	1974.0	1854.5	1682.6	1455.9	1127.6	745.2	142.5	9.8	0.8	0.0
32°	1990.6	1951.8	1833.4	1655.2	1420.2	1082.1	699.4	130.1	7.1	0.8	0.0
33°	1951.1	1918.4	1795.4	1618.3	1373.5	1020.5	639.6	118.1	4.9	0.4	0.0
34°	1901.5	1868.7	1743.5	1569.1	1311.1	940.8	567.0	105.7	4.1	0.4	0.0
35°	1836.0	1803.7	1684.9	1500.3	1228.4	844.9	492.2	94.8	3.4	0.4	0.0
36°	1767.2	1724.4	1610.8	1426.9	1117.5	735.8	412.1	82.3	2.6	0.4	0.0
37°	1666.1	1637.1	1511.2	1315.3	997.5	631.3	353.8	71.1	1.9	0.4	0.0
38°	1561.2	1534.5	1411.5	1202.8	863.7	527.9	296.3	60.2	1.5	0.0	0.0
39°	1452.9	1408.5	1287.1	1058.8	723.4	442.2	249.3	50.4	0.8	0.0	0.0
40°	1282.9	1249.1	1119.4	885.9	598.6	358.3	212.4	38.4	0.8	0.0	0.0
42.5°	850.5	818.9	682.8	480.5	318.1	209.4	140.2	15.0	0.0	0.4	0.0
45°	438.4	418.5	339.9	251.5	180.5	128.6	90.2	9.4	0.0	0.4	0.4
47.5°	174.1	170.7	154.2	133.1	102.6	76.3	49.3	4.1	0.0	0.4	0.4
50°	47.0	47.4	44.4	41.0	37.2	35.0	20.7	1.1	0.0	0.8	0.4
52.5°	19.9	20.3	19.6	18.4	16.5	12.4	8.3	0.4	0.4	0.8	0.8
55°	4.1	4.5	4.9	5.3	6.0	5.3	3.4	0.0	0.4	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	1.1	1.1	0.8	0.0	0.4	0.8	1.1
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.8	1.1	1.1
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.1	1.5
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.5	1.5
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.5	1.5
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.5	1.5
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.5	1.1
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8	1.1	0.8



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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	0.4	0.4	0.8	1.1	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.1	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.1	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

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	17.3	17.3	17.3
2.5°	12.0	10.9	10.5
5°	8.3	7.1	6.4
7.5°	5.6	4.5	4.1
10°	3.8	3.0	2.6
12.5°	2.6	1.5	1.5
15°	1.5	1.1	1.1
17.5°	0.8	0.4	0.4
20°	0.4	0.4	0.4
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	0.4
39°	0.0	0.4	0.4
40°	0.0	0.4	0.4
42.5°	0.0	0.4	0.8
45°	0.4	0.8	1.1
47.5°	0.8	1.1	1.5
50°	0.8	1.5	1.5
52.5°	1.1	1.5	1.9
55°	1.1	1.9	1.9
57.5°	1.5	1.9	2.3
60°	1.5	1.9	1.9
62.5°	1.5	2.3	2.3
65°	1.9	2.3	2.3
67.5°	1.9	2.3	2.3
70°	1.5	1.9	2.3
72.5°	1.5	1.9	1.9
75°	1.1	1.5	1.5
77.5°	1.1	1.1	1.5
80°	0.8	1.1	1.1

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.8	0.8	0.8
85°	0.4	0.4	0.4
87.5°	0.4	0.4	0.4
90°	0.0	0.0	0.0

(END OF REPORT)