

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: P1344623

Luminaire Tested: P3A13R25B2750DE010 E3A301GPH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344623
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 E3A301GPH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 80CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

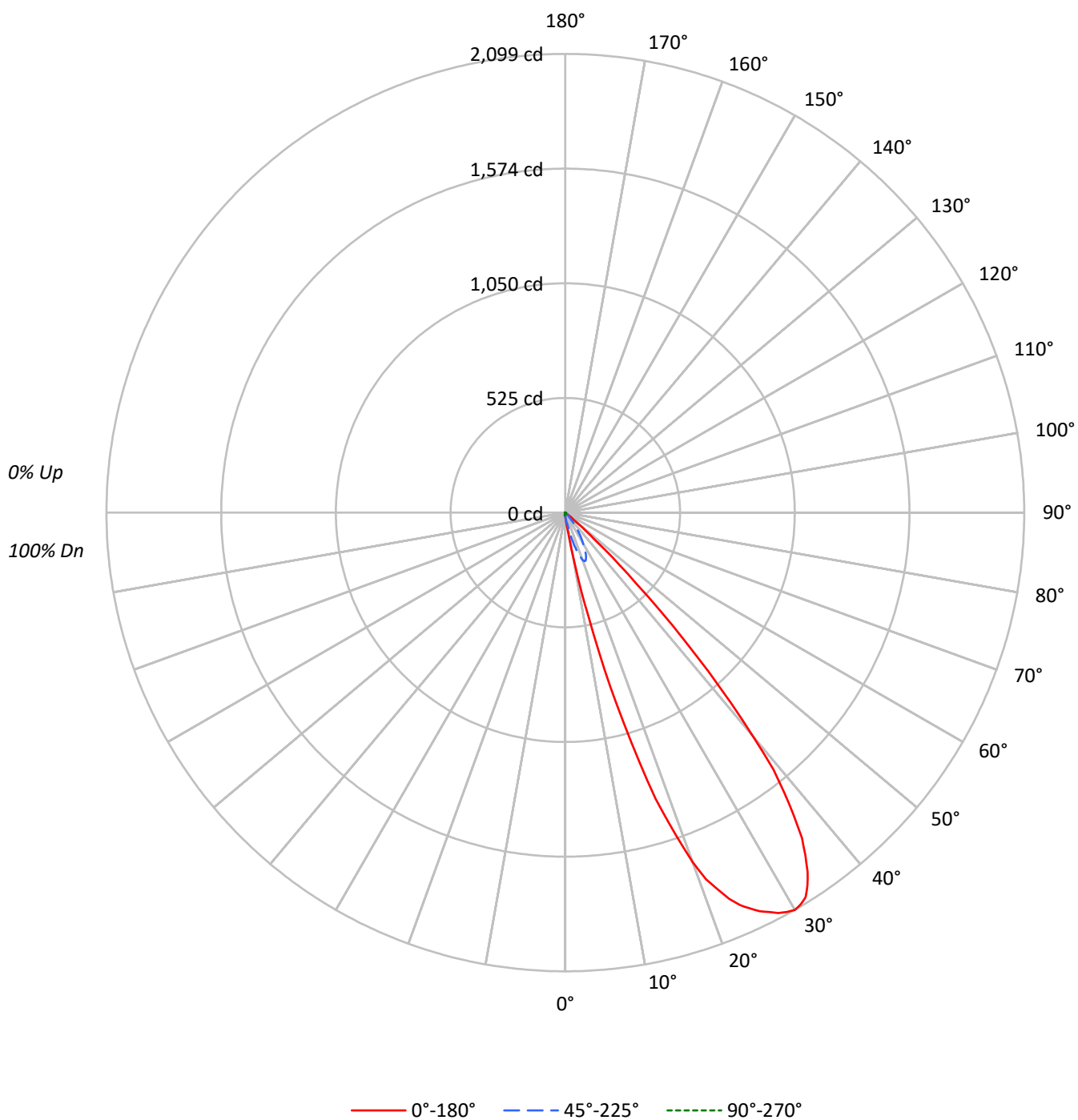
Lumens per Lamp: N/A
Luminaire Lumens: 420.1 lumens
Efficiency: N/A
Efficacy: 22.0 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3947	3947	3947	3947	3947
5°	9927	7330	3720	1893	1475
10°	43375	12469	3050	868	601
15°	206199	33621	2134	363	272
20°	396958	53858	1377	93	93
25°	483439	54318	750	0	0
30°	531525	41576	304	0	0
35°	512229	26448	107	0	0
40°	382717	11450	0	0	115
45°	141689	3039	124	124	372
50°	16716	409	273	273	546
55°	1644	0	306	459	765
60°	175	0	526	702	877
65°	208	208	830	1038	1245
70°	256	256	1026	1026	1539
75°	339	339	1017	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: 141689 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.6
10°-20°	49.0	11.7
20°-30°	153.7	36.6
30°-40°	161.8	38.5
40°-50°	47.5	11.3
50°-60°	2.6	0.6
60°-70°	1.3	0.3
70°-80°	1.1	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°	205.3	48.9
0°-40°	367.1	87.4
0°-60°	417.2	99.3
0°-90°	420.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	420.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	45	33	17	9	7	8
15°	908	148	9	2	1	286
25°	1998	224	3	0	0	916
35°	1914	99	0	0	0	1155
45°	457	10	0	0	1	415
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°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2.5°	27.8	28.2	27.0	27.8	27.0	26.6	26.3	24.3	21.2	18.0	14.9
5°	45.1	45.1	43.1	42.7	41.9	40.4	38.8	33.3	23.9	16.9	11.8
7.5°	70.5	70.1	69.4	67.4	63.5	59.6	55.6	43.5	26.3	15.7	9.0
10°	194.8	192.0	188.5	167.3	143.4	122.3	103.8	56.0	28.2	13.7	6.7
12.5°	484.0	468.3	431.1	388.7	334.7	277.8	222.2	91.3	29.0	11.4	4.7
15°	908.3	875.8	817.8	733.2	622.7	498.5	392.6	148.1	28.2	9.4	3.5
17.5°	1371.5	1340.2	1259.8	1131.3	968.7	777.9	590.5	196.3	26.3	7.8	2.4
20°	1701.1	1667.8	1592.5	1456.2	1280.2	1025.9	777.5	230.8	24.7	5.9	1.2
21°	1797.5	1764.2	1684.6	1553.0	1368.0	1112.9	837.4	236.7	23.5	5.1	0.8
22°	1858.6	1839.0	1753.6	1625.8	1437.4	1182.6	888.8	239.4	22.7	4.7	0.8
23°	1920.1	1890.8	1810.8	1676.0	1490.3	1234.4	926.8	237.5	21.9	3.9	0.4
24°	1965.6	1940.9	1848.0	1714.8	1527.1	1266.1	949.1	232.4	20.8	3.5	0.4
25°	1998.1	1975.4	1878.6	1741.1	1551.8	1283.4	956.2	224.5	19.6	3.1	0.4
26°	2029.1	2004.4	1904.1	1756.3	1564.7	1288.8	949.5	215.9	18.4	2.7	0.0
27°	2051.4	2026.3	1921.7	1765.4	1565.5	1282.2	931.5	204.2	17.2	2.4	0.0
28°	2075.3	2046.3	1933.9	1770.4	1560.8	1266.5	905.6	191.6	16.5	2.0	0.0
29°	2089.8	2062.4	1946.4	1775.9	1551.0	1240.3	868.0	176.7	14.5	1.2	0.0
30°	2099.2	2066.7	1945.2	1770.1	1538.1	1212.0	822.9	164.2	12.5	1.2	0.0
31°	2091.4	2057.3	1932.7	1753.6	1517.3	1175.2	776.7	148.5	10.2	0.8	0.0
32°	2074.5	2034.2	1910.7	1725.0	1480.1	1127.8	728.9	135.6	7.4	0.8	0.0
33°	2033.4	1999.3	1871.2	1686.6	1431.5	1063.5	666.6	123.0	5.1	0.4	0.0
34°	1981.7	1947.6	1817.1	1635.3	1366.4	980.4	590.9	110.1	4.3	0.4	0.0
35°	1913.5	1879.8	1755.9	1563.5	1280.2	880.5	513.0	98.8	3.5	0.4	0.0
36°	1841.8	1797.1	1678.8	1487.1	1164.6	766.9	429.5	85.8	2.7	0.4	0.0
37°	1736.4	1706.2	1574.9	1370.7	1039.6	657.9	368.7	74.1	2.0	0.4	0.0
38°	1627.0	1599.2	1471.1	1253.6	900.1	550.2	308.8	62.7	1.6	0.0	0.0
39°	1514.2	1467.9	1341.4	1103.5	753.9	460.8	259.8	52.5	0.8	0.0	0.0
40°	1337.0	1301.8	1166.6	923.2	623.8	373.4	221.4	40.0	0.8	0.0	0.0
42.5°	886.4	853.5	711.6	500.8	331.5	218.3	146.2	15.7	0.0	0.4	0.0
45°	456.9	436.1	354.2	262.2	188.1	134.0	94.0	9.8	0.0	0.4	0.4
47.5°	181.4	177.9	160.7	138.7	107.0	79.5	51.3	4.3	0.0	0.4	0.4
50°	49.0	49.4	46.2	42.7	38.8	36.4	21.6	1.2	0.0	0.8	0.4
52.5°	20.8	21.2	20.4	19.2	17.2	12.9	8.6	0.4	0.4	0.8	0.8
55°	4.3	4.7	5.1	5.5	6.3	5.5	3.5	0.0	0.4	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	1.2	1.2	0.8	0.0	0.4	0.8	1.2
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.8	1.2	1.2
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.2	1.6
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.6	1.6
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.6	1.6
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.6	1.6
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.6	1.2
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8	1.2	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	1.2	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	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°	18.0	18.0	18.0
2.5°	12.5	11.4	11.0
5°	8.6	7.4	6.7
7.5°	5.9	4.7	4.3
10°	3.9	3.1	2.7
12.5°	2.7	1.6	1.6
15°	1.6	1.2	1.2
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	1.2
47.5°	0.8	1.2	1.6
50°	0.8	1.6	1.6
52.5°	1.2	1.6	2.0
55°	1.2	2.0	2.0
57.5°	1.6	2.0	2.4
60°	1.6	2.0	2.0
62.5°	1.6	2.4	2.4
65°	2.0	2.4	2.4
67.5°	2.0	2.4	2.4
70°	1.6	2.0	2.4
72.5°	1.6	2.0	2.0
75°	1.2	1.6	1.6
77.5°	1.2	1.2	1.6
80°	0.8	1.2	1.2

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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)