

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: P1344628

Luminaire Tested: P3A13R25B2750DE010 E3A301H_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344628
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 E3A301H_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 80CRI , E3A301H TRIM
Light Source: -
Ballast/Driver: -

Summary

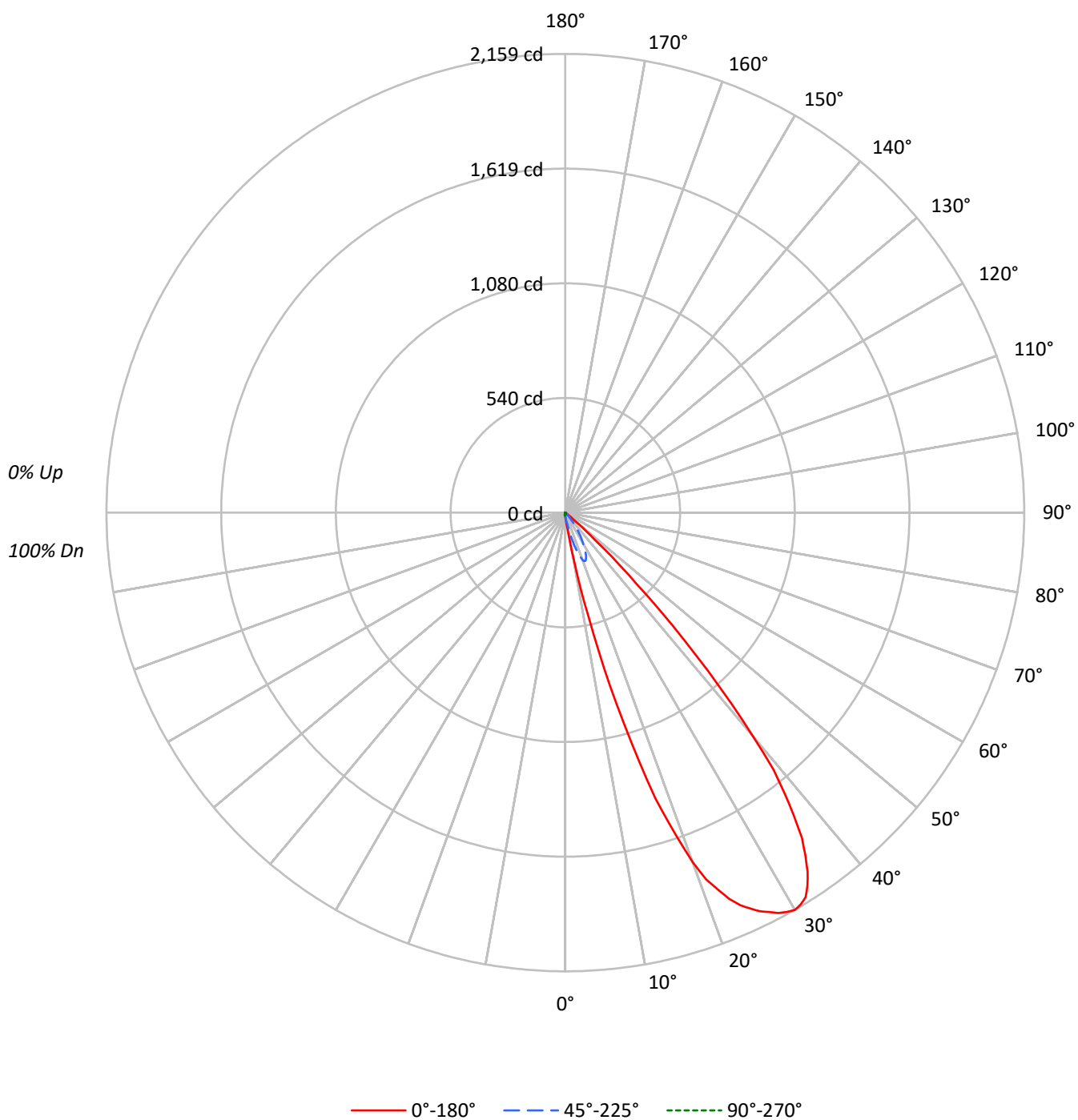
Lumens per Lamp: N/A
Luminaire Lumens: 432.0 lumens
Efficiency: N/A
Efficacy: 22.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	104	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	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	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4057	4057	4057	4057	4057
5°	10213	7550	3808	1959	1519
10°	44599	12825	3140	891	623
15°	212101	34597	2202	363	272
20°	408299	55398	1400	93	93
25°	497255	55890	774	0	0
30°	546717	42766	304	0	0
35°	526845	27198	107	0	0
40°	393652	11765	0	0	115
45°	145752	3132	124	124	372
50°	17193	409	273	273	546
55°	1682	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: 145752 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.6
10°-20°	50.4	11.7
20°-30°	158.1	36.6
30°-40°	166.4	38.5
40°-50°	48.9	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°	211.1	48.9
0°-40°	377.6	87.4
0°-60°	429.1	99.3
0°-90°	432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	432.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	46	34	17	9	7	8
15°	934	152	10	2	1	295
25°	2055	231	3	0	0	943
35°	1968	102	0	0	0	1188
45°	470	10	0	0	1	427
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°	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
2.5°	28.6	29.0	27.8	28.6	27.8	27.4	27.0	25.0	21.8	18.5	15.3
5°	46.4	46.4	44.3	43.9	43.1	41.5	39.9	34.3	24.6	17.3	12.1
7.5°	72.6	72.1	71.3	69.3	65.3	61.3	57.2	44.7	27.0	16.1	9.3
10°	200.3	197.5	193.9	172.1	147.5	125.8	106.8	57.6	29.0	14.1	6.9
12.5°	497.8	481.7	443.4	399.8	344.2	285.8	228.5	93.9	29.8	11.7	4.8
15°	934.3	900.8	841.2	754.1	640.5	512.7	403.9	152.4	29.0	9.7	3.6
17.5°	1410.7	1378.5	1295.8	1163.6	996.4	800.1	607.4	201.9	27.0	8.1	2.4
20°	1749.7	1715.4	1638.0	1497.8	1316.8	1055.2	799.7	237.4	25.4	6.0	1.2
21°	1848.8	1814.6	1732.8	1597.3	1407.1	1144.7	861.3	243.4	24.2	5.2	0.8
22°	1911.7	1891.6	1803.7	1672.3	1478.4	1216.4	914.1	246.3	23.4	4.8	0.8
23°	1975.0	1944.8	1862.5	1723.9	1532.8	1269.6	953.2	244.3	22.6	4.0	0.4
24°	2021.8	1996.4	1900.8	1763.8	1570.7	1302.3	976.2	239.0	21.4	3.6	0.4
25°	2055.2	2031.8	1932.3	1790.8	1596.1	1320.0	983.5	231.0	20.2	3.2	0.4
26°	2087.1	2061.7	1958.5	1806.5	1609.4	1325.7	976.6	222.1	18.9	2.8	0.0
27°	2110.0	2084.2	1976.6	1815.8	1610.2	1318.8	958.1	210.0	17.7	2.4	0.0
28°	2134.6	2104.8	1989.1	1821.0	1605.4	1302.7	931.5	197.1	16.9	2.0	0.0
29°	2149.5	2121.3	2002.0	1826.7	1595.3	1275.7	892.8	181.8	14.9	1.2	0.0
30°	2159.2	2125.7	2000.8	1820.6	1582.0	1246.7	846.4	168.9	12.9	1.2	0.0
31°	2151.1	2116.1	1987.9	1803.7	1560.7	1208.8	798.9	152.8	10.5	0.8	0.0
32°	2133.8	2092.3	1965.3	1774.3	1522.4	1160.0	749.7	139.5	7.7	0.8	0.0
33°	2091.5	2056.4	1924.6	1734.8	1472.4	1093.9	685.6	126.6	5.2	0.4	0.0
34°	2038.3	2003.2	1869.0	1682.0	1405.5	1008.5	607.8	113.3	4.4	0.4	0.0
35°	1968.1	1933.5	1806.1	1608.2	1316.8	905.7	527.6	101.6	3.6	0.4	0.0
36°	1894.4	1848.4	1726.7	1529.6	1197.9	788.8	441.8	88.3	2.8	0.4	0.0
37°	1786.0	1754.9	1619.9	1409.9	1069.3	676.7	379.3	76.2	2.0	0.4	0.0
38°	1673.5	1644.9	1513.1	1289.4	925.8	565.9	317.6	64.5	1.6	0.0	0.0
39°	1557.4	1509.9	1379.7	1135.0	775.5	474.0	267.2	54.0	0.8	0.0	0.0
40°	1375.2	1339.0	1199.9	949.6	641.7	384.1	227.7	41.1	0.8	0.0	0.0
42.5°	911.7	877.9	732.0	515.1	341.0	224.5	150.3	16.1	0.0	0.4	0.0
45°	470.0	448.6	364.4	269.6	193.5	137.8	96.7	10.1	0.0	0.4	0.4
47.5°	186.6	183.0	165.3	142.7	110.0	81.8	52.8	4.4	0.0	0.4	0.4
50°	50.4	50.8	47.6	43.9	39.9	37.5	22.2	1.2	0.0	0.8	0.4
52.5°	21.4	21.8	21.0	19.8	17.7	13.3	8.9	0.4	0.4	0.8	0.8
55°	4.4	4.8	5.2	5.6	6.4	5.6	3.6	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°	18.5	18.5	18.5
2.5°	12.9	11.7	11.3
5°	8.9	7.7	6.9
7.5°	6.0	4.8	4.4
10°	4.0	3.2	2.8
12.5°	2.8	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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CATALOG NUMBER: P3A13R25B2750DE010 E3A301H_5000K

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)