

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: P1337587

Luminaire Tested: P3A05R25B2750DE010 E3CA301MW_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337587
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: P3A05R25B2750DE010 E3CA301MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

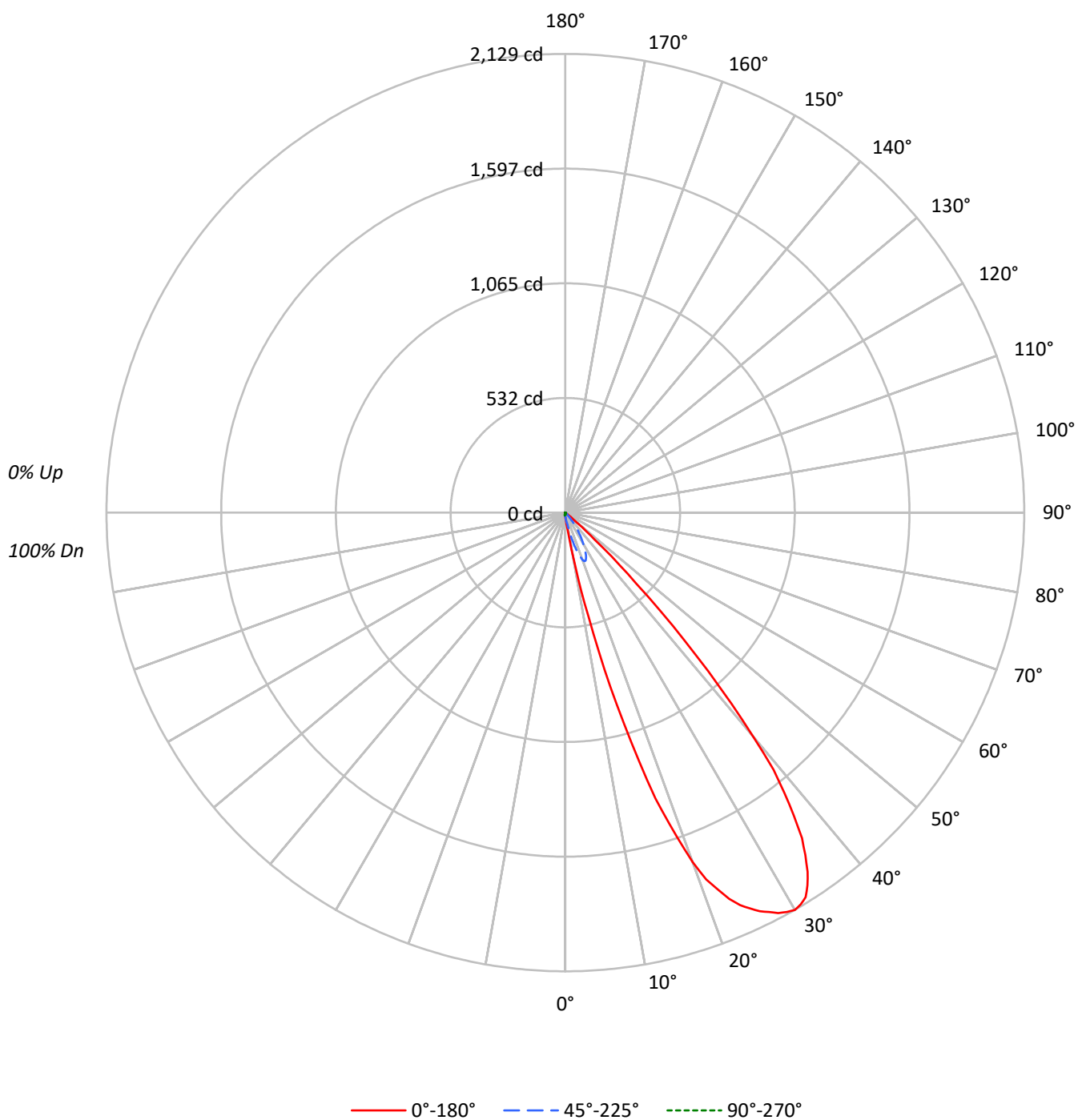
Lumens per Lamp: N/A
Luminaire Lumens: 426.0 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	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°	4013	4013	4013	4013	4013
5°	10059	7440	3764	1915	1497
10°	43976	12647	3095	891	623
15°	209150	34098	2157	363	272
20°	402628	54628	1400	93	93
25°	490359	55092	774	0	0
30°	539121	42158	304	0	0
35°	519537	26823	107	0	0
40°	388184	11593	0	0	115
45°	143705	3070	124	124	372
50°	16955	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: 143705 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.6
10°-20°	49.7	11.7
20°-30°	155.9	36.6
30°-40°	164.1	38.5
40°-50°	48.2	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°	208.2	48.9
0°-40°	372.3	87.4
0°-60°	423.1	99.3
0°-90°	426.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	426.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	46	34	17	9	7	8
15°	921	150	10	2	1	290
25°	2027	228	3	0	0	930
35°	1941	100	0	0	0	1171
45°	463	10	0	0	1	421
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°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
2.5°	28.2	28.6	27.4	28.2	27.4	27.0	26.6	24.6	21.5	18.3	15.1
5°	45.7	45.7	43.7	43.3	42.5	40.9	39.3	33.8	24.2	17.1	11.9
7.5°	71.5	71.1	70.4	68.4	64.4	60.4	56.4	44.1	26.6	15.9	9.1
10°	197.5	194.8	191.2	169.7	145.5	124.0	105.3	56.8	28.6	13.9	6.8
12.5°	490.9	475.0	437.2	394.3	339.4	281.8	225.4	92.6	29.4	11.5	4.8
15°	921.3	888.3	829.5	743.7	631.6	505.6	398.3	150.2	28.6	9.5	3.6
17.5°	1391.1	1359.3	1277.8	1147.5	982.5	789.0	599.0	199.1	26.6	7.9	2.4
20°	1725.4	1691.6	1615.3	1477.0	1298.5	1040.6	788.6	234.1	25.0	6.0	1.2
21°	1823.2	1789.4	1708.7	1575.1	1387.5	1128.8	849.4	240.1	23.8	5.2	0.8
22°	1885.2	1865.3	1778.6	1649.1	1457.9	1199.5	901.4	242.9	23.1	4.8	0.8
23°	1947.6	1917.8	1836.7	1700.0	1511.6	1252.0	940.0	240.9	22.3	4.0	0.4
24°	1993.7	1968.6	1874.4	1739.3	1548.9	1284.2	962.7	235.7	21.1	3.6	0.4
25°	2026.7	2003.6	1905.4	1765.9	1574.0	1301.7	969.8	227.7	19.9	3.2	0.4
26°	2058.1	2033.0	1931.3	1781.4	1587.1	1307.3	963.1	219.0	18.7	2.8	0.0
27°	2080.7	2055.3	1949.2	1790.6	1587.9	1300.5	944.8	207.1	17.5	2.4	0.0
28°	2105.0	2075.6	1961.5	1795.7	1583.1	1284.6	918.5	194.4	16.7	2.0	0.0
29°	2119.7	2091.8	1974.2	1801.3	1573.2	1258.0	880.4	179.3	14.7	1.2	0.0
30°	2129.2	2096.2	1973.0	1795.3	1560.0	1229.4	834.7	166.5	12.7	1.2	0.0
31°	2121.3	2086.7	1960.3	1778.6	1539.0	1192.0	787.8	150.6	10.3	0.8	0.0
32°	2104.2	2063.2	1938.0	1749.6	1501.2	1143.9	739.3	137.5	7.6	0.8	0.0
33°	2062.4	2027.9	1897.9	1710.7	1451.9	1078.7	676.1	124.8	5.2	0.4	0.0
34°	2010.0	1975.4	1843.0	1658.6	1386.0	994.5	599.4	111.7	4.4	0.4	0.0
35°	1940.8	1906.6	1781.0	1585.9	1298.5	893.1	520.3	100.2	3.6	0.4	0.0
36°	1868.1	1822.8	1702.7	1508.4	1181.3	777.8	435.6	87.0	2.8	0.4	0.0
37°	1761.2	1730.6	1597.4	1390.3	1054.5	667.3	374.0	75.1	2.0	0.4	0.0
38°	1650.3	1622.0	1492.1	1271.5	913.0	558.0	313.2	63.6	1.6	0.0	0.0
39°	1535.8	1488.9	1360.5	1119.3	764.7	467.4	263.5	53.3	0.8	0.0	0.0
40°	1356.1	1320.4	1183.2	936.4	632.8	378.8	224.6	40.5	0.8	0.0	0.0
42.5°	899.1	865.7	721.8	508.0	336.3	221.4	148.3	15.9	0.0	0.4	0.0
45°	463.4	442.4	359.3	265.9	190.8	135.9	95.4	9.9	0.0	0.4	0.4
47.5°	184.0	180.4	163.0	140.7	108.5	80.7	52.1	4.4	0.0	0.4	0.4
50°	49.7	50.1	46.9	43.3	39.3	37.0	21.9	1.2	0.0	0.8	0.4
52.5°	21.1	21.5	20.7	19.5	17.5	13.1	8.7	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°	18.3	18.3	18.3
2.5°	12.7	11.5	11.1
5°	8.7	7.6	6.8
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

TEST NUMBER: P1337587

CATALOG NUMBER: P3A05R25B2750DE010 E3CA301MW_2700K

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)