

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: P1337591

Luminaire Tested: P3A05R25B2750DE010 E3CA301MW_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337591
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 80CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

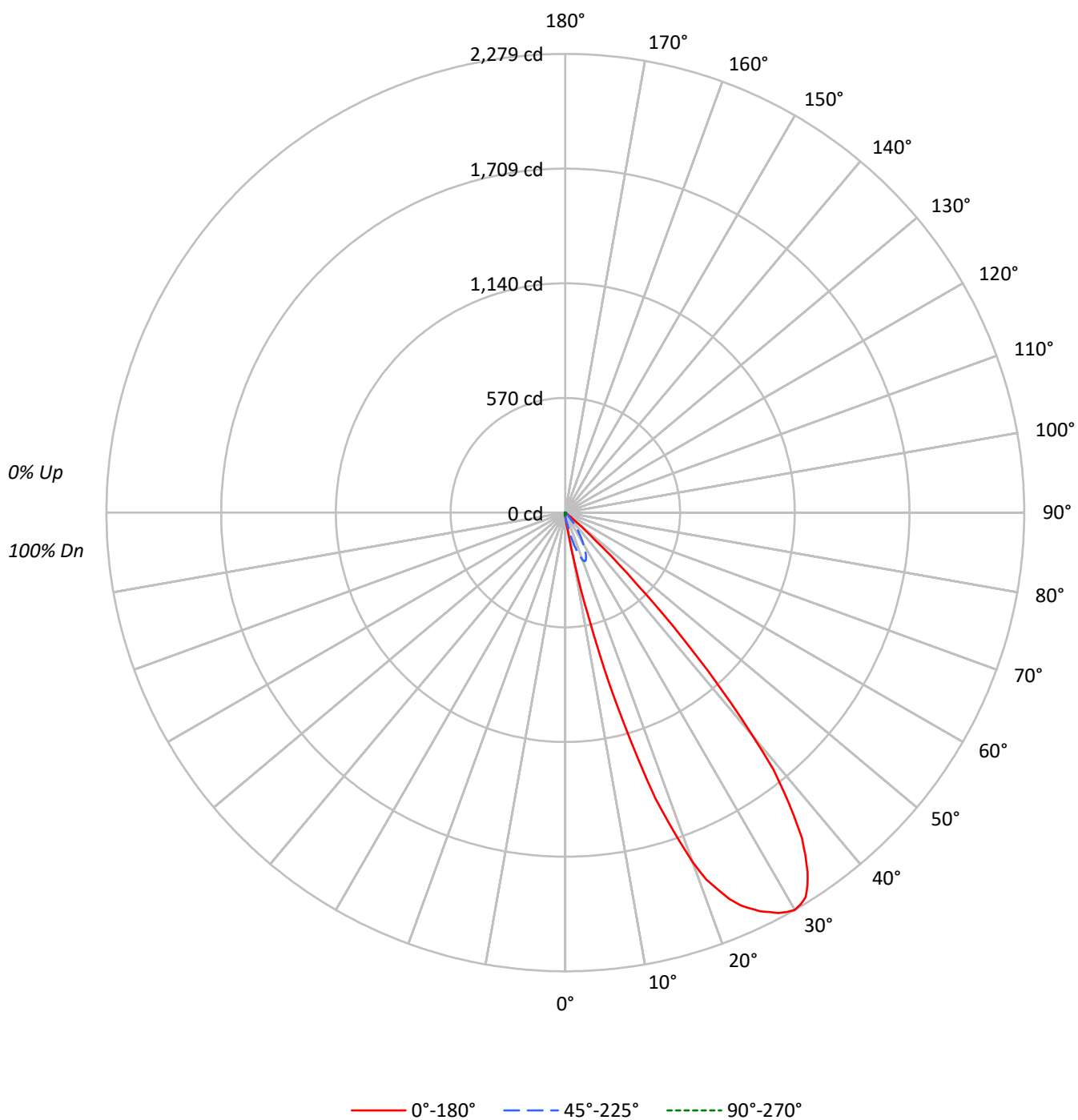
Lumens per Lamp: N/A
Luminaire Lumens: 456.0 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	4298	4298	4298	4298	4298
5°	10764	7968	4028	2069	1585
10°	47093	13538	3318	957	668
15°	223883	36504	2316	386	295
20°	430981	58478	1493	93	93
25°	524885	58987	823	0	0
30°	577101	45146	329	0	0
35°	556131	28697	107	0	0
40°	415521	12423	0	0	115
45°	153845	3287	124	124	403
50°	18149	443	307	307	580
55°	1797	0	344	497	803
60°	175	0	570	746	921
65°	208	208	882	1090	1349
70°	256	256	1090	1090	1667
75°	339	339	1101	1101	1440
80°	0	505	1642	1137	1642
85°	0	1006	3271	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 153845 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.6
10°-20°	53.2	11.7
20°-30°	166.9	36.6
30°-40°	175.7	38.5
40°-50°	51.6	11.3
50°-60°	2.8	0.6
60°-70°	1.3	0.3
70°-80°	1.2	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°	222.9	48.9
0°-40°	398.5	87.4
0°-60°	452.9	99.3
0°-90°	456.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	456.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	49	36	18	9	7	9
15°	986	161	10	2	1	311
25°	2169	244	3	0	0	995
35°	2078	107	0	0	0	1254
45°	496	11	0	0	1	451
55°	5	0	1	1	2	12
65°	0	0	2	2	3	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°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
2.5°	30.2	30.6	29.4	30.2	29.4	28.9	28.5	26.4	23.0	19.6	16.2
5°	48.9	48.9	46.8	46.4	45.5	43.8	42.1	36.2	26.0	18.3	12.8
7.5°	76.6	76.2	75.3	73.2	68.9	64.7	60.4	47.2	28.5	17.0	9.8
10°	211.5	208.5	204.6	181.7	155.7	132.7	112.7	60.8	30.6	14.9	7.2
12.5°	525.4	508.4	468.0	422.1	363.3	301.6	241.2	99.1	31.5	12.3	5.1
15°	986.2	950.9	887.9	796.0	676.0	541.2	426.3	160.8	30.6	10.2	3.8
17.5°	1489.1	1455.1	1367.8	1228.3	1051.7	844.5	641.2	213.2	28.5	8.5	2.6
20°	1846.9	1810.7	1729.0	1581.0	1390.0	1113.8	844.1	250.6	26.8	6.4	1.3
21°	1951.6	1915.4	1829.0	1686.1	1485.3	1208.3	909.2	257.0	25.5	5.5	0.9
22°	2017.9	1996.7	1903.9	1765.2	1560.6	1284.0	964.9	260.0	24.7	5.1	0.9
23°	2084.7	2052.8	1966.0	1819.7	1618.0	1340.2	1006.2	257.8	23.8	4.3	0.4
24°	2134.1	2107.3	2006.4	1861.8	1658.0	1374.6	1030.4	252.3	22.5	3.8	0.4
25°	2169.4	2144.7	2039.6	1890.3	1684.8	1393.4	1038.1	243.8	21.3	3.4	0.4
26°	2203.0	2176.2	2067.3	1906.9	1698.8	1399.3	1030.9	234.4	20.0	3.0	0.0
27°	2227.3	2200.0	2086.4	1916.7	1699.7	1392.1	1011.3	221.7	18.7	2.6	0.0
28°	2253.2	2221.7	2099.6	1922.2	1694.6	1375.1	983.2	208.0	17.9	2.1	0.0
29°	2268.9	2239.2	2113.2	1928.2	1683.9	1346.6	942.4	191.9	15.7	1.3	0.0
30°	2279.2	2243.8	2112.0	1921.8	1669.9	1315.9	893.5	178.3	13.6	1.3	0.0
31°	2270.6	2233.6	2098.3	1903.9	1647.4	1275.9	843.2	161.2	11.1	0.9	0.0
32°	2252.4	2208.5	2074.5	1872.8	1606.9	1224.5	791.3	147.2	8.1	0.9	0.0
33°	2207.7	2170.7	2031.5	1831.2	1554.2	1154.7	723.7	133.6	5.5	0.4	0.0
34°	2151.5	2114.5	1972.8	1775.4	1483.6	1064.5	641.6	119.6	4.7	0.4	0.0
35°	2077.5	2040.9	1906.5	1697.6	1390.0	956.0	556.9	107.2	3.8	0.4	0.0
36°	1999.6	1951.1	1822.6	1614.6	1264.4	832.6	466.3	93.2	3.0	0.4	0.0
37°	1885.2	1852.4	1709.9	1488.2	1128.7	714.3	400.4	80.4	2.1	0.4	0.0
38°	1766.5	1736.3	1597.2	1361.0	977.3	597.3	335.3	68.1	1.7	0.0	0.0
39°	1644.0	1593.7	1456.3	1198.1	818.6	500.3	282.1	57.0	0.9	0.0	0.0
40°	1451.6	1413.4	1266.6	1002.4	677.3	405.5	240.4	43.4	0.9	0.0	0.0
42.5°	962.4	926.6	772.6	543.7	359.9	237.0	158.7	17.0	0.0	0.4	0.0
45°	496.1	473.5	384.6	284.6	204.2	145.5	102.1	10.6	0.0	0.4	0.4
47.5°	197.0	193.2	174.4	150.6	116.1	86.4	55.7	4.7	0.0	0.4	0.4
50°	53.2	53.6	50.2	46.4	42.1	39.6	23.4	1.3	0.0	0.9	0.4
52.5°	22.5	23.0	22.1	20.8	18.7	14.0	9.4	0.4	0.4	0.9	0.9
55°	4.7	5.1	5.5	6.0	6.8	6.0	3.8	0.0	0.4	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	1.3	1.3	0.9	0.0	0.4	0.9	1.3
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.9	1.3	1.3
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	1.3	1.7
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	1.7	1.7
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.7	1.7
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.7	1.7
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.7	1.3
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9	1.3	0.9



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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	0.9	1.3	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.9
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°	19.6	19.6	19.6
2.5°	13.6	12.3	11.9
5°	9.4	8.1	7.2
7.5°	6.4	5.1	4.7
10°	4.3	3.4	3.0
12.5°	3.0	1.7	1.7
15°	1.7	1.3	1.3
17.5°	0.9	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	0.9
45°	0.4	0.9	1.3
47.5°	0.9	1.3	1.7
50°	0.9	1.7	1.7
52.5°	1.3	1.7	2.1
55°	1.3	2.1	2.1
57.5°	1.7	2.1	2.6
60°	1.7	2.1	2.1
62.5°	1.7	2.6	2.6
65°	2.1	2.6	2.6
67.5°	2.1	2.6	2.6
70°	1.7	2.1	2.6
72.5°	1.7	2.1	2.1
75°	1.3	1.7	1.7
77.5°	1.3	1.3	1.7
80°	0.9	1.3	1.3

TEST NUMBER: P1337591

CATALOG NUMBER: P3A05R25B2750DE010 E3CA301MW_5000K

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.9	0.9	0.9
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)