

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: P1336554

Luminaire Tested: P3A05R15B2750DE010 E3A301WMH_3500K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R15B2750DE010 E3A301WMH_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 3500K CCT AND, 80CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

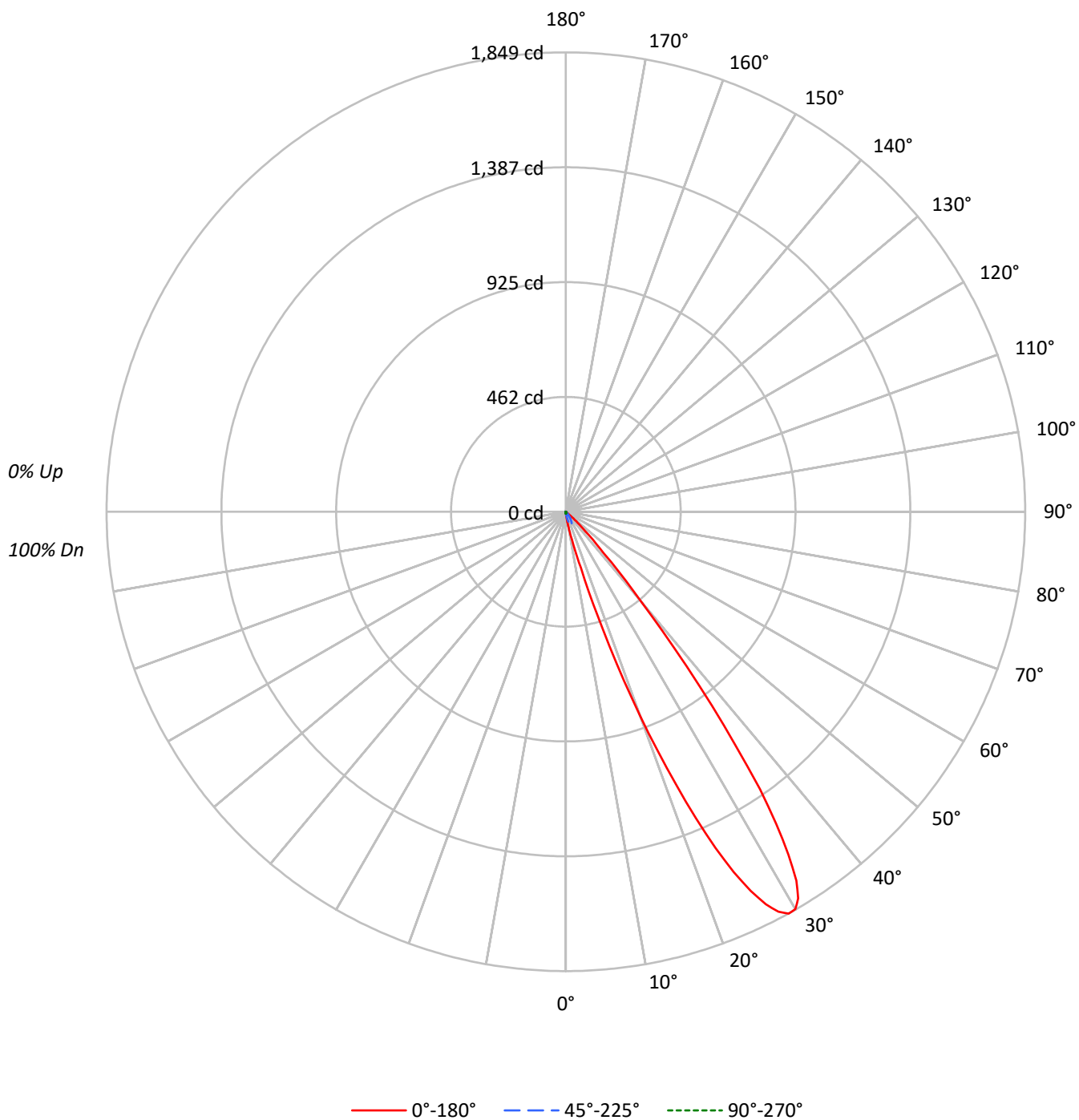
Lumens per Lamp: N/A
Luminaire Lumens: 202.0 lumens
Efficiency: N/A
Efficacy: 34.2 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.48 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1469	1469	1469	1469	1469
5°	3148	2333	1387	726	616
10°	14006	4409	1091	312	223
15°	52940	10216	749	136	91
20°	203624	14398	467	47	47
25°	387240	13501	242	0	0
30°	467768	10888	101	0	0
35°	364838	7415	54	0	0
40°	133135	3664	57	0	57
45°	34174	1085	62	0	124
50°	5765	136	68	68	205
55°	765	0	153	229	382
60°	88	88	263	351	526
65°	104	104	415	519	623
70°	128	128	513	513	641
75°	169	169	678	508	678
80°	0	253	758	505	758
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 34174 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.5
10°-20°	15.5	7.7
20°-30°	85.9	42.5
30°-40°	82.9	41.1
40°-50°	14.4	7.1
50°-60°	1.0	0.5
60°-70°	0.6	0.3
70°-80°	0.5	0.2
80°-90°	0.3	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°	102.2	50.6
0°-40°	185.2	91.7
0°-60°	200.7	99.3
0°-90°	202.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	202.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	14	11	6	3	3	3
15°	233	45	3	1	0	104
25°	1600	56	1	0	0	716
35°	1363	28	0	0	0	784
45°	110	4	0	0	0	118
55°	2	0	0	1	1	4
65°	0	0	1	1	1	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
2.5°	9.8	9.4	9.6	9.6	9.6	9.6	9.6	9.2	9.2	9.4	8.4
5°	14.3	14.3	14.1	14.3	14.3	14.1	13.8	13.6	13.6	13.2	10.6
7.5°	28.7	28.3	28.3	27.9	25.9	25.3	25.0	24.0	22.2	21.8	13.8
10°	62.9	63.1	61.7	59.9	59.7	56.8	55.8	54.0	50.7	47.4	19.8
12.5°	114.2	111.6	108.3	108.5	102.8	100.8	96.3	91.4	86.3	81.0	32.6
15°	233.2	226.0	230.3	219.7	207.7	194.1	180.4	163.1	148.4	132.6	45.0
17.5°	491.2	498.3	486.3	440.9	413.0	380.2	334.0	289.4	251.3	220.7	55.0
20°	872.6	883.0	842.4	802.9	735.1	661.2	584.2	496.9	413.4	341.1	61.7
21°	1032.0	1025.7	1009.0	945.7	867.5	781.9	687.5	591.3	490.1	396.1	62.3
22°	1186.0	1189.0	1150.1	1083.9	1002.5	907.6	792.5	673.6	564.5	440.9	61.3
23°	1339.5	1348.9	1297.5	1235.4	1133.0	1025.9	892.7	764.4	629.6	492.2	59.3
24°	1481.6	1475.1	1440.3	1362.1	1252.7	1127.3	989.0	833.3	683.0	536.0	57.8
25°	1600.5	1599.7	1545.0	1469.0	1343.8	1204.9	1052.4	889.7	728.8	565.7	55.8
26°	1697.7	1681.8	1638.8	1546.0	1422.4	1275.8	1104.5	930.8	754.5	580.6	53.8
27°	1772.8	1761.4	1703.6	1607.1	1478.0	1315.9	1137.9	951.2	766.3	585.6	51.3
28°	1823.3	1810.9	1749.4	1650.0	1508.7	1341.1	1155.6	959.9	766.3	580.8	48.9
29°	1849.4	1832.5	1771.2	1664.7	1515.8	1344.0	1151.3	951.4	754.3	566.3	46.2
30°	1847.4	1826.4	1762.2	1651.3	1494.7	1319.9	1127.1	921.0	727.2	544.7	43.0
31°	1815.6	1792.0	1720.3	1606.2	1451.3	1274.3	1081.5	880.1	690.1	516.6	39.9
32°	1751.0	1721.1	1651.1	1537.4	1384.5	1206.1	1015.3	817.0	634.5	475.5	36.5
33°	1645.6	1615.6	1540.5	1433.8	1294.1	1119.6	927.5	749.2	571.2	426.6	33.8
34°	1513.8	1486.3	1421.6	1314.2	1180.2	1010.2	826.5	655.5	505.6	378.1	30.8
35°	1362.9	1319.1	1260.5	1175.4	1044.8	873.8	717.4	568.3	438.0	327.2	27.7
36°	1158.7	1166.6	1104.5	1000.4	892.1	758.1	608.0	473.7	366.3	278.8	25.0
37°	977.8	965.4	925.9	845.3	751.0	618.0	509.5	401.6	308.1	235.8	22.0
38°	788.7	791.5	752.8	690.9	597.3	508.1	410.1	329.9	257.8	200.6	19.3
39°	617.4	615.2	604.8	547.4	462.7	404.2	332.3	273.5	214.8	169.2	16.3
40°	465.1	468.6	444.3	409.7	360.4	312.2	264.7	218.1	177.6	142.7	12.8
42.5°	226.2	231.7	215.6	206.7	184.9	166.0	140.1	114.4	97.3	84.1	5.7
45°	110.2	107.1	105.7	101.4	96.3	86.1	76.2	65.4	57.2	49.3	3.5
47.5°	56.4	54.8	54.8	53.1	51.3	47.9	43.0	39.5	35.6	30.7	1.4
50°	16.9	16.7	16.5	16.7	16.1	16.7	17.1	17.3	15.7	15.5	0.4
52.5°	6.7	6.9	6.7	7.3	7.3	7.1	7.3	7.1	6.9	6.1	0.0
55°	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.4	2.2	2.4	0.0
57.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	6.7	6.7	6.7	6.7	6.7	6.7
2.5°	7.9	6.9	5.7	4.7	4.3	4.1
5°	8.4	6.3	4.3	3.3	2.9	2.8
7.5°	9.0	5.7	3.3	2.4	1.8	1.6
10°	9.4	4.9	2.6	1.4	1.0	1.0
12.5°	9.4	3.9	1.8	0.8	0.6	0.6
15°	9.2	3.3	1.2	0.6	0.4	0.4
17.5°	9.0	2.6	0.8	0.4	0.2	0.4
20°	8.4	2.0	0.4	0.2	0.2	0.2
21°	8.3	1.8	0.4	0.2	0.2	0.2
22°	7.9	1.6	0.2	0.0	0.2	0.2
23°	7.5	1.2	0.2	0.0	0.0	0.0
24°	6.9	1.0	0.2	0.0	0.0	0.0
25°	6.5	1.0	0.2	0.0	0.0	0.0
26°	6.1	0.6	0.0	0.0	0.0	0.0
27°	5.5	0.4	0.0	0.0	0.0	0.0
28°	5.1	0.4	0.0	0.0	0.0	0.0
29°	4.5	0.4	0.0	0.0	0.0	0.0
30°	3.9	0.4	0.0	0.0	0.0	0.0
31°	3.1	0.2	0.0	0.0	0.0	0.0
32°	2.6	0.2	0.0	0.0	0.0	0.0
33°	1.8	0.2	0.0	0.0	0.0	0.0
34°	1.2	0.2	0.0	0.0	0.0	0.0
35°	1.0	0.2	0.0	0.0	0.0	0.0
36°	0.6	0.2	0.0	0.0	0.0	0.2
37°	0.6	0.2	0.0	0.0	0.0	0.2
38°	0.4	0.2	0.0	0.0	0.0	0.2
39°	0.2	0.2	0.0	0.0	0.0	0.2
40°	0.2	0.2	0.0	0.0	0.0	0.2
42.5°	0.0	0.2	0.0	0.0	0.2	0.4
45°	0.0	0.2	0.0	0.0	0.2	0.4
47.5°	0.0	0.2	0.0	0.0	0.4	0.4
50°	0.0	0.2	0.2	0.2	0.4	0.6
52.5°	0.0	0.4	0.2	0.4	0.6	0.8
55°	0.2	0.4	0.4	0.6	0.8	1.0
57.5°	0.2	0.6	0.6	0.8	1.0	1.0
60°	0.4	0.6	0.8	0.8	1.2	1.2
62.5°	0.4	0.8	0.8	0.8	1.2	1.2
65°	0.4	0.8	0.8	1.0	1.2	1.2
67.5°	0.4	0.8	0.8	0.8	1.0	1.2
70°	0.4	0.8	0.6	0.8	1.0	1.0
72.5°	0.4	0.8	0.6	0.6	0.8	1.0
75°	0.4	0.8	0.6	0.6	0.8	0.8
77.5°	0.4	0.6	0.6	0.4	0.6	0.6
80°	0.4	0.6	0.4	0.4	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.4	0.6	0.4	0.2	0.4	0.4
85°	0.4	0.6	0.4	0.2	0.2	0.2
87.5°	0.4	0.6	0.2	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)