

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: P1336552

Luminaire Tested: P3A05R15B2750DE010 E3A301WMH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336552
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

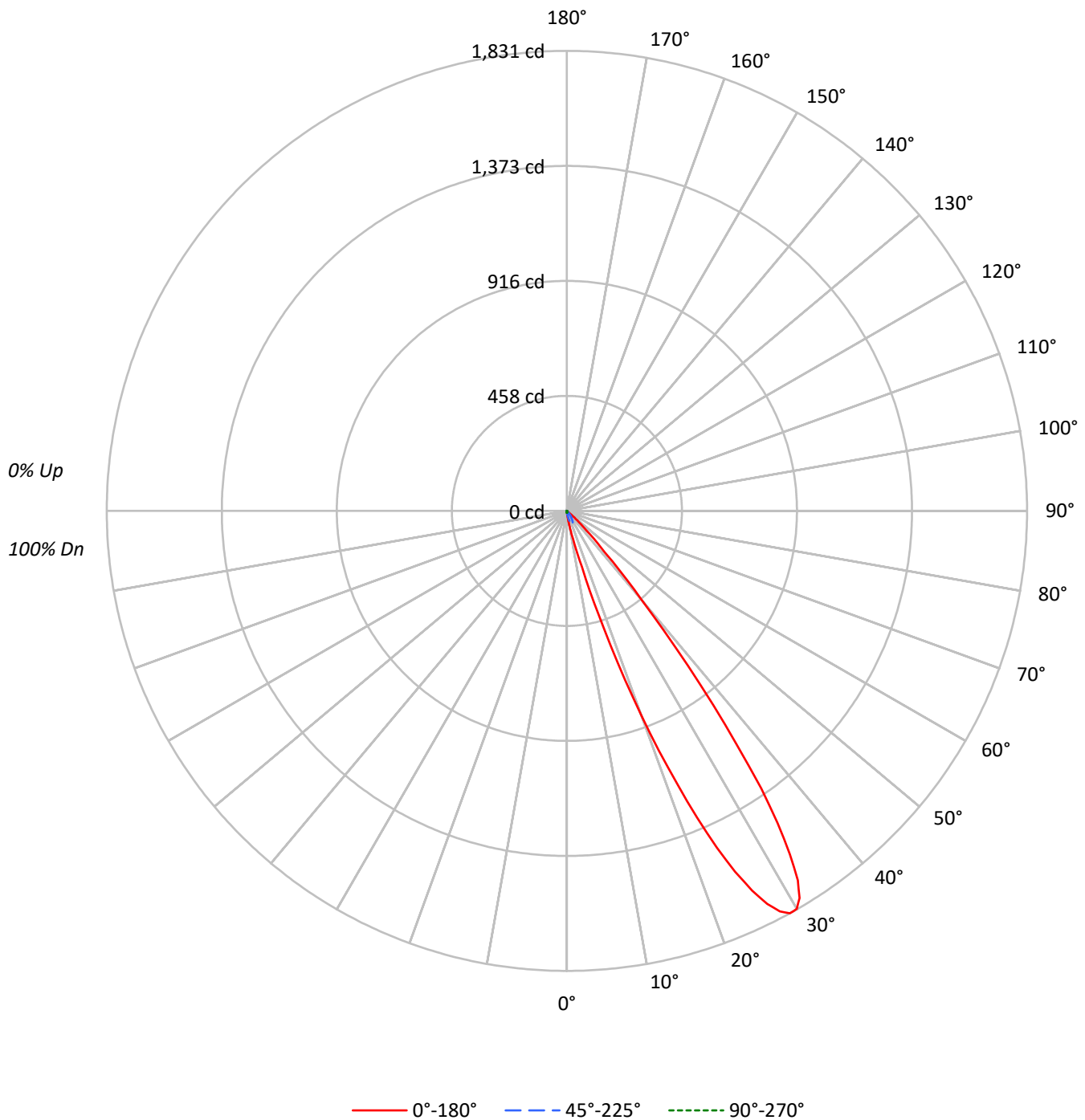
Lumens per Lamp: N/A
Luminaire Lumens: 200.0 lumens
Efficiency: N/A
Efficacy: 33.9 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	96	92	104	98	94	91	95	92	89	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	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	70	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	63	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	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	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1447	1447	1447	1447	1447
5°	3126	2311	1365	726	594
10°	13872	4364	1091	312	223
15°	52418	10125	749	136	91
20°	201618	14258	443	47	47
25°	383393	13380	242	0	0
30°	463160	10786	101	0	0
35°	361224	7335	54	0	0
40°	131818	3607	57	0	57
45°	33833	1085	62	0	124
50°	5697	136	68	68	205
55°	726	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: 33833 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.5
10°-20°	15.3	7.7
20°-30°	85.0	42.5
30°-40°	82.1	41.1
40°-50°	14.3	7.1
50°-60°	1.0	0.5
60°-70°	0.6	0.3
70°-80°	0.5	0.3
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°	101.2	50.6
0°-40°	183.4	91.7
0°-60°	198.7	99.3
0°-90°	200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	200.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	14	10	6	3	3	3
15°	231	45	3	1	0	103
25°	1585	55	1	0	0	709
35°	1349	27	0	0	0	776
45°	109	4	0	0	0	117
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°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
2.5°	9.7	9.3	9.5	9.5	9.5	9.5	9.5	9.1	9.1	9.3	8.4
5°	14.2	14.2	14.0	14.2	14.2	14.0	13.6	13.4	13.4	13.0	10.5
7.5°	28.4	28.0	28.0	27.6	25.7	25.1	24.7	23.7	22.0	21.6	13.6
10°	62.3	62.5	61.1	59.3	59.1	56.2	55.3	53.5	50.2	46.9	19.6
12.5°	113.0	110.5	107.2	107.4	101.7	99.8	95.3	90.5	85.4	80.2	32.3
15°	230.9	223.7	228.0	217.5	205.6	192.2	178.6	161.5	146.9	131.3	44.6
17.5°	486.4	493.4	481.5	436.6	408.9	376.5	330.7	286.6	248.8	218.5	54.5
20°	864.0	874.3	834.0	794.9	727.8	654.7	578.4	492.0	409.3	337.7	61.1
21°	1021.8	1015.5	999.0	936.4	858.9	774.1	680.7	585.4	485.2	392.2	61.7
22°	1174.3	1177.2	1138.7	1073.1	992.6	898.6	784.6	666.9	558.9	436.6	60.7
23°	1326.2	1335.6	1284.6	1223.1	1121.8	1015.7	883.8	756.8	623.3	487.3	58.8
24°	1466.9	1460.5	1426.0	1348.6	1240.3	1116.1	979.2	825.1	676.3	530.7	57.2
25°	1584.6	1583.8	1529.7	1454.5	1330.5	1193.0	1042.0	880.9	721.6	560.1	55.3
26°	1680.9	1665.2	1622.5	1530.7	1408.3	1263.2	1093.6	921.6	747.1	574.9	53.3
27°	1755.2	1743.9	1686.7	1591.2	1463.4	1302.9	1126.6	941.8	758.7	579.8	50.8
28°	1805.2	1793.0	1732.1	1633.6	1493.8	1327.8	1144.1	950.4	758.7	575.1	48.4
29°	1831.1	1814.4	1753.7	1648.2	1500.8	1330.7	1139.9	942.0	746.9	560.7	45.7
30°	1829.2	1808.3	1744.7	1635.0	1479.9	1306.8	1115.9	911.9	720.0	539.3	42.6
31°	1797.6	1774.3	1703.3	1590.2	1436.9	1261.7	1070.8	871.4	683.3	511.5	39.5
32°	1733.6	1704.1	1634.8	1522.2	1370.8	1194.1	1005.2	808.9	628.2	470.8	36.2
33°	1629.4	1599.6	1525.3	1419.6	1281.3	1108.5	918.3	741.8	565.6	422.4	33.5
34°	1498.8	1471.6	1407.6	1301.1	1168.5	1000.2	818.3	649.0	500.6	374.3	30.5
35°	1349.4	1306.0	1248.0	1163.8	1034.4	865.2	710.3	562.6	433.7	323.9	27.4
36°	1147.3	1155.0	1093.6	990.5	883.3	750.6	601.9	469.1	362.6	276.1	24.7
37°	968.1	955.8	916.7	837.0	743.6	611.9	504.5	397.7	305.1	233.5	21.8
38°	780.9	783.6	745.3	684.0	591.4	503.1	406.0	326.6	255.2	198.6	19.1
39°	611.3	609.1	598.8	542.0	458.2	400.2	329.0	270.8	212.6	167.5	16.1
40°	460.5	464.0	439.9	405.6	356.8	309.1	262.1	216.0	175.9	141.2	12.6
42.5°	223.9	229.4	213.4	204.7	183.1	164.4	138.7	113.2	96.3	83.3	5.6
45°	109.1	106.0	104.7	100.4	95.3	85.2	75.5	64.8	56.6	48.8	3.5
47.5°	55.8	54.3	54.3	52.5	50.8	47.5	42.6	39.1	35.2	30.3	1.4
50°	16.7	16.5	16.3	16.5	16.0	16.5	16.9	17.1	15.6	15.4	0.4
52.5°	6.6	6.8	6.6	7.2	7.2	7.0	7.2	7.0	6.8	6.0	0.0
55°	1.9	1.9	1.9	1.9	1.9	1.9	2.1	2.3	2.1	2.3	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°	6.6	6.6	6.6	6.6	6.6	6.6
2.5°	7.8	6.8	5.6	4.7	4.3	4.1
5°	8.4	6.2	4.3	3.3	2.9	2.7
7.5°	8.9	5.6	3.3	2.3	1.8	1.6
10°	9.3	4.9	2.5	1.4	1.0	1.0
12.5°	9.3	3.9	1.8	0.8	0.6	0.6
15°	9.1	3.3	1.2	0.6	0.4	0.4
17.5°	8.9	2.5	0.8	0.4	0.2	0.4
20°	8.4	1.9	0.4	0.2	0.2	0.2
21°	8.2	1.8	0.4	0.2	0.2	0.2
22°	7.8	1.6	0.2	0.0	0.2	0.2
23°	7.4	1.2	0.2	0.0	0.0	0.0
24°	6.8	1.0	0.2	0.0	0.0	0.0
25°	6.4	1.0	0.2	0.0	0.0	0.0
26°	6.0	0.6	0.0	0.0	0.0	0.0
27°	5.4	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°	2.5	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)