

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: P1336553

Luminaire Tested: P3A05R15B2750DE010 E3A301WMH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336553
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_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

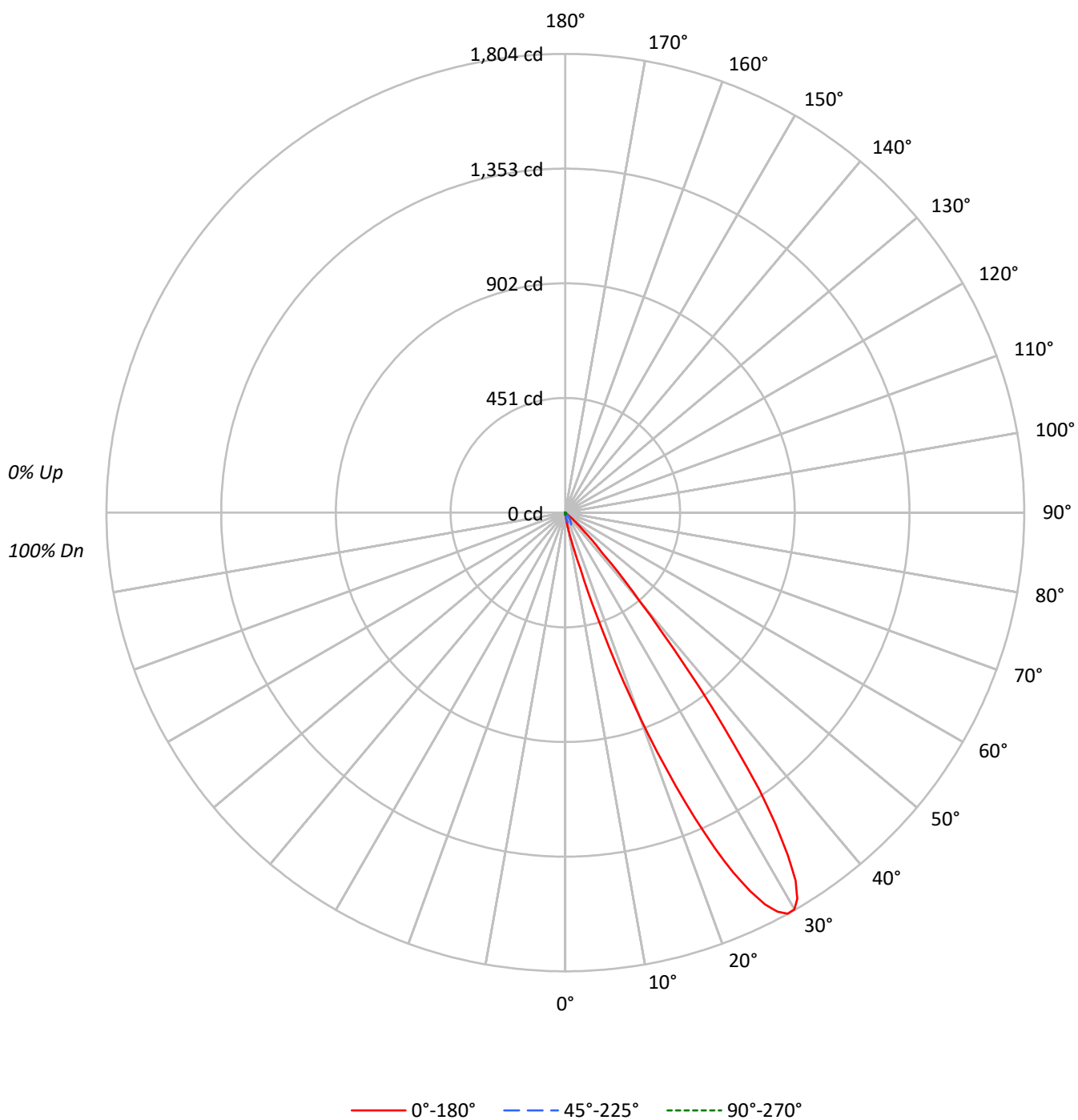
Lumens per Lamp: N/A
Luminaire Lumens: 197.1 lumens
Efficiency: N/A
Efficacy: 33.4 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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°	1425	1425	1425	1425	1425
5°	3082	2267	1343	726	594
10°	13649	4320	1069	289	223
15°	51646	9966	749	136	91
20°	198584	14048	443	47	47
25°	377635	13162	242	0	0
30°	456197	10635	101	0	0
35°	355817	7228	54	0	0
40°	129843	3578	57	0	57
45°	33337	1054	62	0	124
50°	5629	136	68	68	205
55°	726	0	153	229	382
60°	88	88	263	351	482
65°	104	104	415	519	571
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: 33337 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.5
10°-20°	15.1	7.7
20°-30°	83.7	42.5
30°-40°	80.9	41.0
40°-50°	14.1	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°	99.7	50.6
0°-40°	180.6	91.6
0°-60°	195.7	99.3
0°-90°	197.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	197.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	14	10	6	3	3	3
15°	228	44	3	1	0	101
25°	1561	54	1	0	0	698
35°	1329	27	0	0	0	764
45°	108	3	0	0	0	115
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°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
2.5°	9.6	9.2	9.4	9.4	9.4	9.4	9.4	9.0	9.0	9.2	8.2
5°	14.0	14.0	13.8	14.0	14.0	13.8	13.4	13.2	13.2	12.8	10.3
7.5°	28.0	27.6	27.6	27.2	25.3	24.7	24.3	23.4	21.7	21.3	13.4
10°	61.3	61.5	60.2	58.4	58.3	55.4	54.4	52.7	49.4	46.2	19.4
12.5°	111.3	108.8	105.6	105.8	100.2	98.3	93.9	89.1	84.1	79.0	31.8
15°	227.5	220.4	224.6	214.2	202.6	189.3	175.9	159.1	144.7	129.4	43.9
17.5°	479.1	486.0	474.3	430.0	402.8	370.8	325.8	282.3	245.1	215.2	53.7
20°	851.0	861.2	821.5	783.0	716.9	644.8	569.7	484.6	403.2	332.7	60.2
21°	1006.4	1000.3	984.0	922.3	846.1	762.5	670.5	576.6	477.9	386.3	60.7
22°	1156.7	1159.6	1121.6	1057.0	977.7	885.1	772.8	656.9	550.6	430.0	59.8
23°	1306.4	1315.6	1265.3	1204.8	1104.9	1000.5	870.6	745.4	614.0	480.0	57.9
24°	1444.9	1438.6	1404.7	1328.4	1221.7	1099.4	964.5	812.7	666.1	522.8	56.3
25°	1560.8	1560.1	1506.8	1432.6	1310.6	1175.1	1026.4	867.7	710.8	551.7	54.4
26°	1655.7	1640.2	1598.2	1507.8	1387.2	1244.3	1077.2	907.8	735.9	566.3	52.5
27°	1728.9	1717.8	1661.4	1567.4	1441.5	1283.4	1109.7	927.7	747.4	571.1	50.0
28°	1778.1	1766.1	1706.1	1609.1	1471.3	1307.9	1127.0	936.1	747.4	566.5	47.7
29°	1803.6	1787.2	1727.4	1623.5	1478.2	1310.8	1122.8	927.9	735.7	552.3	45.0
30°	1801.7	1781.2	1718.6	1610.5	1457.7	1287.2	1099.2	898.2	709.2	531.2	42.0
31°	1770.7	1747.7	1677.7	1566.4	1415.4	1242.7	1054.7	858.3	673.0	503.8	38.9
32°	1707.6	1678.5	1610.3	1499.3	1350.2	1176.2	990.2	796.8	618.8	463.7	35.6
33°	1604.9	1575.6	1502.4	1398.3	1262.1	1091.9	904.5	730.7	557.1	416.0	33.0
34°	1476.3	1449.5	1386.5	1281.6	1150.9	985.2	806.0	639.3	493.1	368.7	30.1
35°	1329.2	1286.4	1229.3	1146.3	1018.9	852.2	699.6	554.2	427.1	319.1	27.0
36°	1130.1	1137.7	1077.2	975.6	870.0	739.3	592.9	462.0	357.2	271.9	24.3
37°	953.6	941.5	903.0	824.4	732.4	602.7	496.9	391.7	300.5	230.0	21.5
38°	769.2	771.9	734.1	673.8	582.6	495.6	399.9	321.7	251.4	195.7	18.8
39°	602.1	600.0	589.8	533.9	451.3	394.2	324.0	266.8	209.5	165.0	15.9
40°	453.6	457.0	433.3	399.6	351.5	304.5	258.1	212.7	173.2	139.1	12.5
42.5°	220.6	225.9	210.2	201.6	180.3	161.9	136.6	111.5	94.9	82.0	5.6
45°	107.5	104.4	103.1	98.9	93.9	83.9	74.4	63.8	55.8	48.1	3.4
47.5°	55.0	53.5	53.5	51.7	50.0	46.8	42.0	38.5	34.7	29.9	1.3
50°	16.5	16.3	16.1	16.3	15.7	16.3	16.7	16.9	15.3	15.1	0.4
52.5°	6.5	6.7	6.5	7.1	7.1	6.9	7.1	6.9	6.7	5.9	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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CATALOG NUMBER: P3A05R15B2750DE010 E3A301WMH_3000K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	6.5	6.5	6.5	6.5	6.5	6.5
2.5°	7.7	6.7	5.6	4.6	4.2	4.0
5°	8.2	6.1	4.2	3.3	2.9	2.7
7.5°	8.8	5.6	3.3	2.3	1.7	1.5
10°	9.2	4.8	2.5	1.3	1.0	1.0
12.5°	9.2	3.8	1.7	0.8	0.6	0.6
15°	9.0	3.3	1.1	0.6	0.4	0.4
17.5°	8.8	2.5	0.8	0.4	0.2	0.4
20°	8.2	1.9	0.4	0.2	0.2	0.2
21°	8.0	1.7	0.4	0.2	0.2	0.2
22°	7.7	1.5	0.2	0.0	0.2	0.2
23°	7.3	1.1	0.2	0.0	0.0	0.0
24°	6.7	1.0	0.2	0.0	0.0	0.0
25°	6.3	1.0	0.2	0.0	0.0	0.0
26°	5.9	0.6	0.0	0.0	0.0	0.0
27°	5.4	0.4	0.0	0.0	0.0	0.0
28°	5.0	0.4	0.0	0.0	0.0	0.0
29°	4.4	0.4	0.0	0.0	0.0	0.0
30°	3.8	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°	1.7	0.2	0.0	0.0	0.0	0.0
34°	1.1	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	1.1	1.1
62.5°	0.4	0.8	0.8	0.8	1.1	1.1
65°	0.4	0.8	0.8	1.0	1.1	1.1
67.5°	0.4	0.8	0.8	0.8	1.0	1.1
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)