

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: P1336528

Luminaire Tested: P3A05R15B2750DE010 E3A301GPH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336528
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 E3A301GPH_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

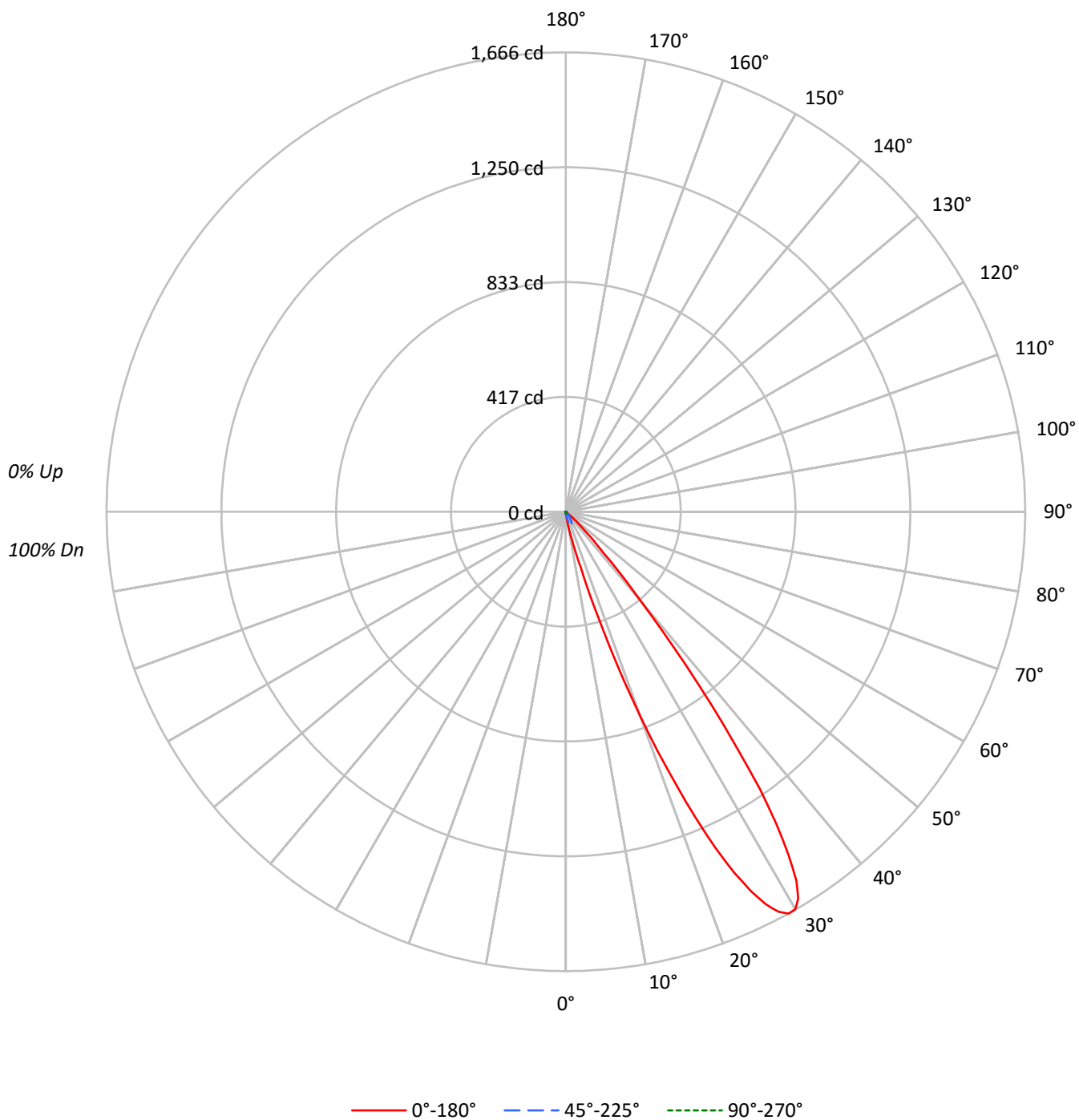
Lumens per Lamp: N/A
Luminaire Lumens: 182.1 lumens
Efficiency: N/A
Efficacy: 30.9 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				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°	1316	1316	1316	1316	1316
5°	2840	2113	1255	660	550
10°	12625	3986	980	267	200
15°	47696	9194	681	114	91
20°	183463	12974	420	47	47
25°	348891	12170	218	0	0
30°	421457	9824	101	0	0
35°	328726	6692	54	0	0
40°	119968	3292	57	0	57
45°	30794	992	62	0	124
50°	5185	136	68	68	171
55°	688	0	153	191	344
60°	88	88	219	307	482
65°	104	104	363	467	571
70°	128	128	449	449	577
75°	169	169	593	424	593
80°	0	253	631	505	631
85°	0	503	1258	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30794 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.5
10°-20°	13.9	7.7
20°-30°	77.4	42.5
30°-40°	74.7	41.0
40°-50°	13.0	7.1
50°-60°	0.9	0.5
60°-70°	0.6	0.3
70°-80°	0.5	0.2
80°-90°	0.2	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°	92.1	50.6
0°-40°	166.9	91.7
0°-60°	180.8	99.3
0°-90°	182.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	182.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	13	10	6	3	2	3
15°	210	40	3	0	0	94
25°	1442	50	1	0	0	645
35°	1228	25	0	0	0	706
45°	99	3	0	0	0	107
55°	2	0	0	0	1	3
65°	0	0	1	1	1	0
75°	0	0	1	0	1	0
85°	0	0	0	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°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2.5°	8.9	8.5	8.7	8.7	8.7	8.7	8.7	8.3	8.3	8.5	7.6
5°	12.9	12.9	12.7	12.9	12.9	12.7	12.4	12.2	12.2	11.9	9.6
7.5°	25.8	25.5	25.5	25.1	23.4	22.8	22.5	21.6	20.0	19.7	12.4
10°	56.7	56.8	55.6	54.0	53.8	51.2	50.3	48.7	45.7	42.7	17.9
12.5°	102.9	100.6	97.5	97.7	92.6	90.8	86.7	82.3	77.7	72.9	29.4
15°	210.1	203.6	207.5	197.9	187.1	174.9	162.5	146.9	133.7	119.5	40.5
17.5°	442.6	449.0	438.2	397.3	372.1	342.6	301.0	260.8	226.4	198.8	49.6
20°	786.2	795.6	759.0	723.4	662.3	595.7	526.3	447.7	372.5	307.3	55.6
21°	929.8	924.2	909.1	852.1	781.6	704.4	619.5	532.7	441.5	356.9	56.1
22°	1068.6	1071.3	1036.2	976.6	903.3	817.7	714.0	606.9	508.6	397.3	55.2
23°	1206.9	1215.4	1169.0	1113.1	1020.8	924.3	804.3	688.7	567.2	443.5	53.5
24°	1334.9	1329.0	1297.7	1227.2	1128.6	1015.7	891.0	750.8	615.4	483.0	52.0
25°	1442.0	1441.3	1392.1	1323.6	1210.8	1085.6	948.2	801.6	656.6	509.7	50.3
26°	1529.6	1515.3	1476.5	1393.0	1281.6	1149.5	995.1	838.6	679.8	523.2	48.5
27°	1597.3	1587.0	1534.9	1448.0	1331.7	1185.6	1025.2	857.1	690.5	527.6	46.2
28°	1642.8	1631.6	1576.2	1486.6	1359.3	1208.3	1041.2	864.8	690.5	523.3	44.1
29°	1666.3	1651.1	1595.8	1499.9	1365.7	1211.0	1037.3	857.2	679.7	510.2	41.6
30°	1664.5	1645.6	1587.7	1487.8	1346.7	1189.2	1015.5	829.8	655.2	490.8	38.8
31°	1635.9	1614.6	1550.0	1447.1	1307.6	1148.1	974.4	793.0	621.8	465.4	35.9
32°	1577.6	1550.7	1487.7	1385.2	1247.4	1086.7	914.8	736.1	571.7	428.4	32.9
33°	1482.7	1455.6	1388.0	1291.9	1166.0	1008.8	835.6	675.1	514.7	384.4	30.5
34°	1363.9	1339.1	1280.9	1184.0	1063.3	910.2	744.6	590.6	455.5	340.6	27.8
35°	1228.0	1188.5	1135.7	1059.1	941.3	787.3	646.4	512.0	394.6	294.8	25.0
36°	1044.0	1051.1	995.1	901.3	803.8	683.0	547.8	426.8	330.0	251.2	22.5
37°	881.0	869.8	834.2	761.6	676.6	556.8	459.1	361.9	277.6	212.4	19.8
38°	710.6	713.1	678.2	622.5	538.2	457.8	369.5	297.3	232.3	180.8	17.3
39°	556.3	554.3	544.9	493.2	416.9	364.2	299.4	246.4	193.5	152.4	14.7
40°	419.1	422.2	400.3	369.1	324.7	281.3	238.5	196.5	160.0	128.5	11.5
42.5°	203.8	208.7	194.2	186.2	166.6	149.6	126.2	103.0	87.6	75.8	5.1
45°	99.3	96.5	95.2	91.4	86.7	77.5	68.7	59.0	51.5	44.4	3.2
47.5°	50.8	49.4	49.4	47.8	46.2	43.2	38.8	35.6	32.0	27.6	1.2
50°	15.2	15.0	14.9	15.0	14.5	15.0	15.4	15.6	14.2	14.0	0.4
52.5°	6.0	6.2	6.0	6.6	6.6	6.4	6.6	6.4	6.2	5.5	0.0
55°	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.1	1.9	2.1	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°	6.0	6.0	6.0	6.0	6.0	6.0
2.5°	7.1	6.2	5.1	4.2	3.9	3.7
5°	7.6	5.7	3.9	3.0	2.7	2.5
7.5°	8.1	5.1	3.0	2.1	1.6	1.4
10°	8.5	4.4	2.3	1.2	0.9	0.9
12.5°	8.5	3.5	1.6	0.7	0.5	0.5
15°	8.3	3.0	1.1	0.5	0.4	0.4
17.5°	8.1	2.3	0.7	0.4	0.2	0.4
20°	7.6	1.8	0.4	0.2	0.2	0.2
21°	7.4	1.6	0.4	0.2	0.2	0.2
22°	7.1	1.4	0.2	0.0	0.2	0.2
23°	6.7	1.1	0.2	0.0	0.0	0.0
24°	6.2	0.9	0.2	0.0	0.0	0.0
25°	5.8	0.9	0.2	0.0	0.0	0.0
26°	5.5	0.5	0.0	0.0	0.0	0.0
27°	5.0	0.4	0.0	0.0	0.0	0.0
28°	4.6	0.4	0.0	0.0	0.0	0.0
29°	4.1	0.4	0.0	0.0	0.0	0.0
30°	3.5	0.4	0.0	0.0	0.0	0.0
31°	2.8	0.2	0.0	0.0	0.0	0.0
32°	2.3	0.2	0.0	0.0	0.0	0.0
33°	1.6	0.2	0.0	0.0	0.0	0.0
34°	1.1	0.2	0.0	0.0	0.0	0.0
35°	0.9	0.2	0.0	0.0	0.0	0.0
36°	0.5	0.2	0.0	0.0	0.0	0.2
37°	0.5	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	0.5
52.5°	0.0	0.4	0.2	0.4	0.5	0.7
55°	0.2	0.4	0.4	0.5	0.7	0.9
57.5°	0.2	0.5	0.5	0.7	0.9	0.9
60°	0.4	0.5	0.7	0.7	1.1	1.1
62.5°	0.4	0.7	0.7	0.7	1.1	1.1
65°	0.4	0.7	0.7	0.9	1.1	1.1
67.5°	0.4	0.7	0.7	0.7	0.9	1.1
70°	0.4	0.7	0.5	0.7	0.9	0.9
72.5°	0.4	0.7	0.5	0.5	0.7	0.9
75°	0.4	0.7	0.5	0.5	0.7	0.7
77.5°	0.4	0.5	0.5	0.4	0.5	0.5
80°	0.4	0.5	0.4	0.4	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.4	0.5	0.4	0.2	0.4	0.4
85°	0.4	0.5	0.4	0.2	0.2	0.2
87.5°	0.4	0.5	0.2	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)