

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: P1338096

Luminaire Tested: P3A05R30B2750DE010 E3CA301MW_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338096
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R30B2750DE010 E3CA301MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

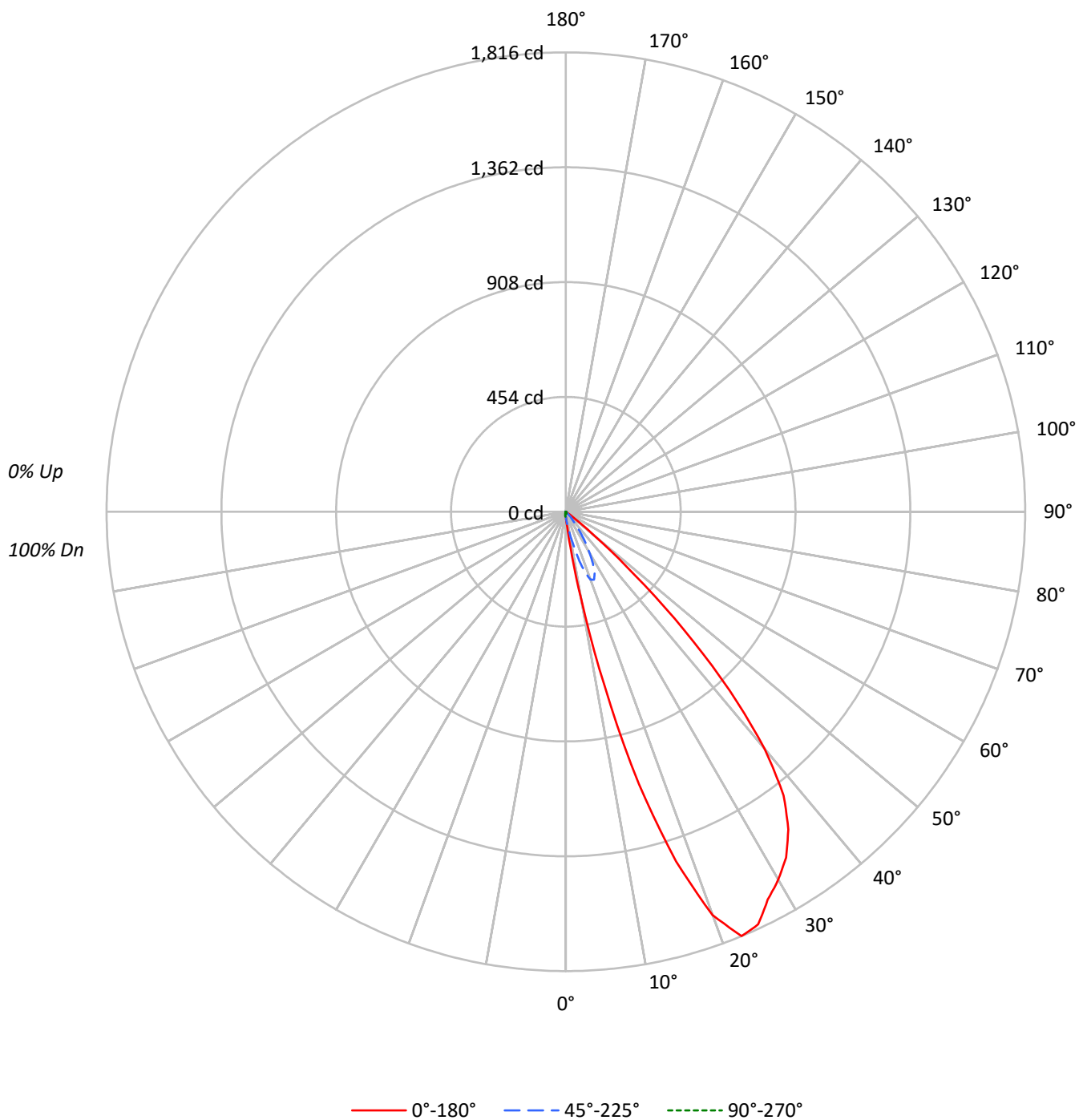
Lumens per Lamp: N/A
Luminaire Lumens: 428.1 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	87	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	64	58	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	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4451	4451	4451	4451	4451
5°	13427	8959	4226	1893	1541
10°	77754	18993	3318	868	601
15°	252941	43065	2316	182	91
20°	395814	66622	1470	0	0
25°	435461	65109	750	0	0
30°	425306	46944	304	0	0
35°	410506	26689	107	0	0
40°	350084	11307	0	0	0
45°	205448	4249	124	0	124
50°	49909	785	136	136	409
55°	4320	0	306	459	612
60°	175	0	351	526	877
65°	208	208	623	623	1038
70°	256	256	769	769	1026
75°	0	339	1017	1017	1017
80°	0	505	1515	1010	1010
85°	0	1006	3019	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 205448 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.9
10°-20°	58.8	13.7
20°-30°	149.5	34.9
30°-40°	149.0	34.8
40°-50°	60.4	14.1
50°-60°	4.2	1.0
60°-70°	1.0	0.2
70°-80°	1.0	0.2
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°	212.0	49.5
0°-40°	361.0	84.3
0°-60°	425.6	99.4
0°-90°	428.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	428.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	61	41	19	9	7	14
15°	1114	190	10	1	0	324
25°	1800	269	3	0	0	813
35°	1534	100	0	0	0	940
45°	662	14	0	0	0	505
55°	11	0	1	1	2	30
65°	0	0	1	1	2	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°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
2.5°	33.6	34.0	34.0	33.2	32.9	32.9	31.7	31.3	30.1	28.9	25.0
5°	61.0	59.8	58.3	58.3	54.8	52.8	50.1	46.9	44.6	40.7	28.9
7.5°	138.4	129.1	126.3	122.8	109.5	98.9	86.8	76.3	66.5	58.3	32.1
10°	349.2	330.9	315.6	284.7	246.0	208.8	174.4	134.5	107.2	85.3	34.4
12.5°	703.6	678.9	649.6	593.3	520.9	428.2	346.1	258.5	181.5	125.5	35.2
15°	1114.2	1072.4	1026.6	955.1	836.6	703.6	555.4	415.7	291.4	189.7	34.4
17.5°	1449.0	1432.6	1364.9	1267.1	1122.0	950.7	768.1	577.3	393.0	248.3	32.1
20°	1696.2	1684.8	1603.1	1499.1	1335.6	1139.3	907.3	678.2	463.8	285.5	28.5
22.5°	1815.5	1813.5	1754.4	1648.1	1474.8	1252.3	996.9	736.4	485.7	290.6	23.9
25°	1799.8	1806.9	1773.2	1694.2	1528.0	1298.8	1023.5	736.4	469.7	269.1	19.9
27.5°	1728.6	1733.3	1712.2	1651.6	1496.7	1265.2	986.3	689.1	423.2	231.1	16.4
30°	1679.7	1681.7	1655.5	1590.6	1426.3	1188.5	898.7	601.5	352.8	185.4	12.1
32.5°	1620.3	1619.9	1589.4	1515.1	1334.0	1081.0	787.7	497.1	271.0	140.8	7.0
35°	1533.5	1523.7	1482.2	1396.6	1196.4	936.3	645.7	378.6	195.2	99.7	4.3
37.5°	1414.2	1388.8	1330.1	1215.5	1003.2	734.1	478.7	265.9	133.4	66.1	2.7
40°	1223.0	1196.0	1116.2	977.0	758.7	528.4	322.7	173.3	84.1	39.5	1.6
42.5°	959.0	940.6	833.0	694.2	501.0	337.1	194.0	102.5	47.3	22.7	0.4
45°	662.5	638.7	554.2	436.5	300.8	186.9	108.7	53.6	27.0	13.7	0.0
47.5°	365.7	336.3	287.5	226.1	151.4	98.2	54.8	28.9	15.3	6.6	0.0
50°	146.3	145.1	115.4	82.1	57.9	44.6	27.4	15.6	7.8	2.3	0.4
52.5°	51.2	51.2	44.2	36.0	28.2	20.3	13.7	7.4	2.7	0.8	0.4
55°	11.3	12.5	11.7	11.0	10.6	9.0	5.9	2.7	0.8	0.0	0.4
57.5°	1.2	1.2	1.2	1.6	2.0	2.0	1.6	0.8	0.0	0.0	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.8
62.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.8
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
75°	0.0	0.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	1.2
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
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):

	90°	112.5°	135°	157.5°	180°
0°	20.3	20.3	20.3	20.3	20.3
2.5°	20.3	16.0	13.3	11.7	11.3
5°	19.2	12.1	8.6	7.4	7.0
7.5°	17.2	9.0	5.9	4.7	4.3
10°	14.9	6.6	3.9	2.7	2.7
12.5°	12.5	5.1	2.3	1.2	0.8
15°	10.2	3.1	0.8	0.4	0.4
17.5°	7.8	2.0	0.0	0.0	0.0
20°	6.3	0.8	0.0	0.0	0.0
22.5°	4.7	0.4	0.0	0.0	0.0
25°	3.1	0.0	0.0	0.0	0.0
27.5°	2.0	0.0	0.0	0.0	0.0
30°	1.2	0.0	0.0	0.0	0.0
32.5°	0.4	0.0	0.0	0.0	0.0
35°	0.4	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.4	0.0	0.0	0.4	0.4
47.5°	0.4	0.4	0.4	0.8	0.8
50°	0.4	0.4	0.4	0.8	1.2
52.5°	0.8	0.4	0.8	1.2	1.2
55°	0.8	0.8	1.2	1.6	1.6
57.5°	0.8	0.8	1.2	1.6	1.6
60°	0.8	0.8	1.2	1.6	2.0
62.5°	1.2	1.2	1.2	1.6	1.6
65°	1.2	1.2	1.2	1.6	2.0
67.5°	1.2	1.2	1.2	1.6	2.0
70°	1.2	1.2	1.2	1.6	1.6
72.5°	1.6	1.2	1.2	1.6	1.6
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	0.8	1.2	1.2
80°	1.2	0.8	0.8	0.8	0.8
82.5°	1.2	0.8	0.8	0.8	0.8
85°	1.2	0.8	0.4	0.4	0.4
87.5°	1.2	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)