

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: P1345700

Luminaire Tested: P3A13R35B2750DE010 E3CA301MW_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345700
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R35B2750DE010 E3CA301MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

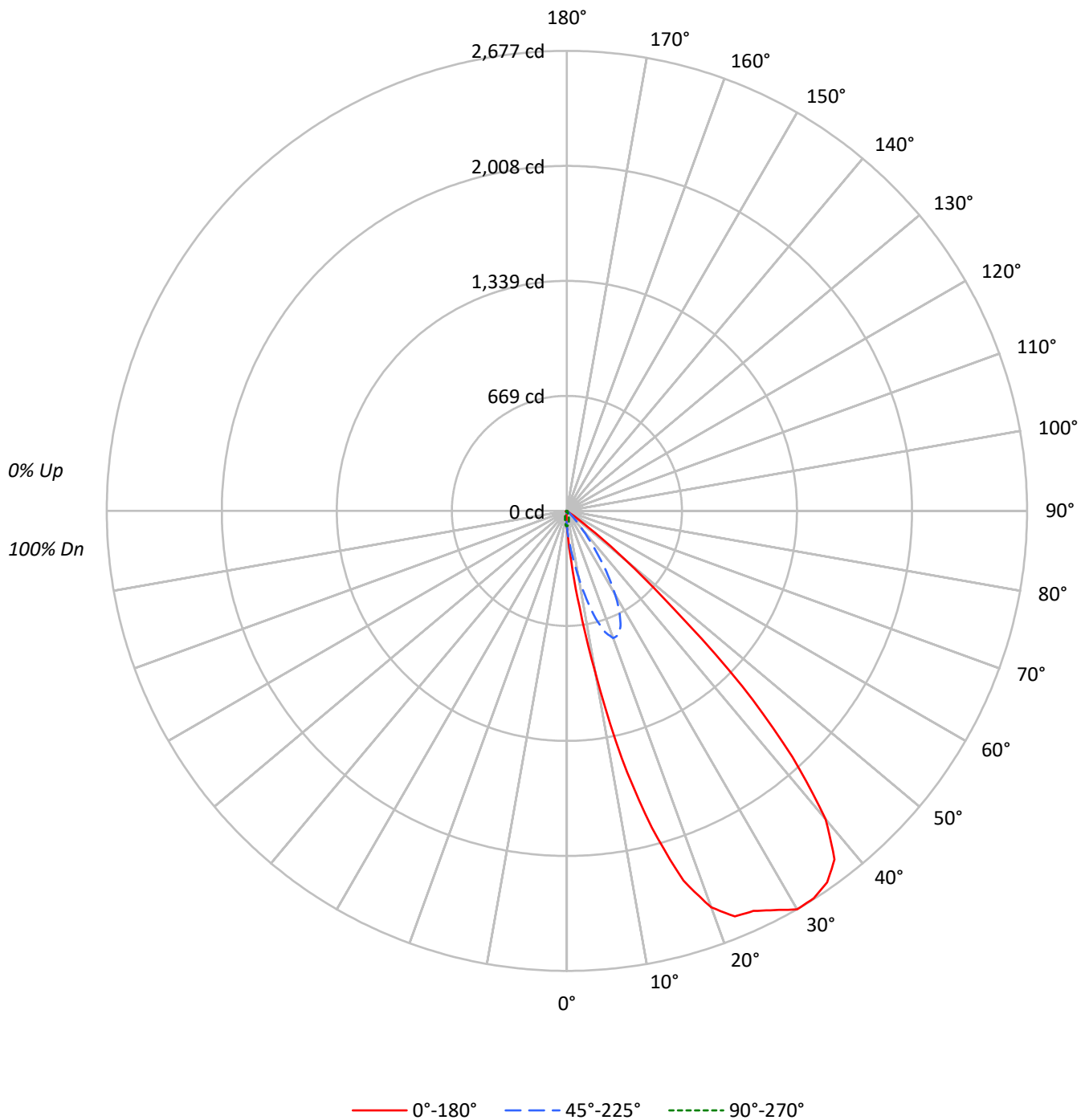
Lumens per Lamp: N/A
Luminaire Lumens: 842.1 lumens
Efficiency: N/A
Efficacy: 44.1 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.1
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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	50	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°	19384	19384	19384	19384	19384
5°	66057	42923	18138	7660	5657
10°	212555	87017	14295	2850	1848
15°	433079	147560	10125	1022	681
20°	572696	183789	6534	350	350
25°	621399	178655	3653	194	363
30°	677876	142376	1519	203	380
35°	706333	88633	402	214	402
40°	670284	38730	229	429	658
45°	447457	15474	248	713	1178
50°	150068	2593	512	1023	1535
55°	8372	306	573	1453	2026
60°	658	351	1009	1667	2324
65°	778	415	1193	1972	2750
70°	513	513	1475	2436	2885
75°	678	678	1949	2542	3219
80°	0	1010	2904	2904	2904
85°	0	2013	5787	2013	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 447457 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	1.8
10°-20°	120.9	14.4
20°-30°	255.3	30.3
30°-40°	289.6	34.4
40°-50°	142.5	16.9
50°-60°	12.4	1.5
60°-70°	2.5	0.3
70°-80°	2.4	0.3
80°-90°	1.2	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°	391.5	46.5
0°-40°	681.1	80.9
0°-60°	836.0	99.3
0°-90°	842.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	842.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	88	88	88	88	88	
5°	300	195	82	35	26	49
15°	1908	650	45	4	3	542
25°	2568	738	15	1	2	1195
35°	2639	331	2	1	2	1626
45°	1443	50	1	2	4	1066
55°	22	1	2	4	5	86
65°	2	1	2	4	5	1
75°	1	1	2	3	4	1
85°	0	1	2	1	2	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°	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
2.5°	153.4	157.2	155.7	154.9	154.2	151.2	144.4	143.6	136.8	132.3	109.6
5°	300.1	294.0	295.5	287.2	276.6	261.5	251.7	230.5	213.1	195.0	127.7
7.5°	565.4	557.0	541.2	517.0	492.0	459.5	410.4	371.1	325.8	282.7	142.1
10°	954.6	950.1	929.7	867.7	813.3	726.4	644.7	558.6	473.9	390.8	151.9
12.5°	1474.6	1443.6	1406.6	1324.2	1216.9	1108.0	947.1	798.2	662.9	523.8	152.7
15°	1907.7	1888.1	1835.9	1728.6	1599.3	1442.1	1250.9	1050.6	846.5	650.0	145.1
17.5°	2256.2	2225.9	2158.7	2053.6	1904.7	1700.6	1476.9	1232.8	984.1	740.0	132.3
20°	2454.2	2438.3	2386.9	2281.9	2119.4	1896.4	1641.7	1357.5	1070.3	787.6	115.6
22.5°	2554.0	2542.6	2504.8	2420.9	2269.0	2044.5	1752.8	1422.5	1095.2	782.3	98.3
25°	2568.3	2565.3	2532.8	2469.3	2342.3	2120.1	1801.1	1434.6	1074.8	738.4	81.6
27.5°	2618.2	2607.6	2569.1	2505.6	2377.8	2133.0	1784.5	1393.0	1009.0	661.4	68.0
30°	2677.2	2669.6	2631.1	2565.3	2414.1	2120.9	1725.6	1300.8	904.0	562.3	50.6
32.5°	2672.6	2669.6	2637.1	2567.6	2388.4	2049.8	1620.5	1162.5	761.1	443.7	31.7
35°	2638.6	2628.0	2587.2	2479.9	2241.8	1866.9	1421.0	975.0	602.4	331.1	20.4
37.5°	2557.0	2534.3	2465.5	2283.4	1979.5	1585.0	1157.2	752.8	426.3	221.5	12.8
40°	2341.6	2312.8	2174.5	1954.6	1636.4	1248.6	860.9	517.7	281.2	135.3	5.3
42.5°	1942.5	1884.3	1746.0	1520.0	1221.4	882.8	565.4	335.6	165.5	81.6	1.5
45°	1442.9	1398.3	1253.2	1048.3	800.4	566.1	342.4	181.4	91.5	49.9	0.8
47.5°	840.5	813.3	738.4	603.9	442.2	297.0	175.4	97.5	53.7	24.2	0.8
50°	439.9	405.9	349.2	264.5	195.0	136.8	85.4	52.2	26.5	7.6	0.8
52.5°	154.2	151.9	138.3	104.3	84.7	61.2	41.6	22.7	7.6	1.5	0.8
55°	21.9	21.9	20.4	22.7	24.2	21.9	14.4	6.0	1.5	0.8	0.8
57.5°	1.5	1.5	1.5	2.3	3.0	3.0	2.3	0.8	0.8	0.8	1.5
60°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
62.5°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
65°	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
77.5°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.5
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°	88.4	88.4	88.4	88.4	88.4
2.5°	87.7	70.3	55.9	49.1	46.9
5°	82.4	52.9	34.8	27.2	25.7
7.5°	73.3	37.8	21.2	15.1	14.4
10°	64.2	27.2	12.8	9.1	8.3
12.5°	53.7	18.9	8.3	5.3	4.5
15°	44.6	12.8	4.5	3.8	3.0
17.5°	35.5	8.3	3.0	2.3	3.0
20°	28.0	5.3	1.5	1.5	1.5
22.5°	21.2	3.0	1.5	1.5	1.5
25°	15.1	1.5	0.8	0.8	1.5
27.5°	10.6	0.8	0.8	0.8	1.5
30°	6.0	0.8	0.8	0.8	1.5
32.5°	3.0	0.8	0.8	1.5	1.5
35°	1.5	0.8	0.8	1.5	1.5
37.5°	0.8	0.8	0.8	1.5	2.3
40°	0.8	0.8	1.5	2.3	2.3
42.5°	0.8	0.8	1.5	2.3	3.0
45°	0.8	1.5	2.3	3.0	3.8
47.5°	1.5	1.5	3.0	3.8	4.5
50°	1.5	2.3	3.0	4.5	4.5
52.5°	1.5	2.3	3.8	4.5	5.3
55°	1.5	3.0	3.8	5.3	5.3
57.5°	2.3	3.0	3.8	5.3	5.3
60°	2.3	3.0	3.8	5.3	5.3
62.5°	2.3	3.0	3.8	5.3	5.3
65°	2.3	3.0	3.8	5.3	5.3
67.5°	2.3	3.0	3.8	4.5	5.3
70°	2.3	3.0	3.8	4.5	4.5
72.5°	3.0	3.0	3.8	4.5	4.5
75°	2.3	3.0	3.0	3.8	3.8
77.5°	2.3	2.3	2.3	3.0	3.0
80°	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	1.5	1.5	2.3	2.3
85°	2.3	1.5	0.8	1.5	1.5
87.5°	1.5	1.5	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)