

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: P1345699

Luminaire Tested: P3A13R35B2750DE010 E3CA301MW_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345699
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

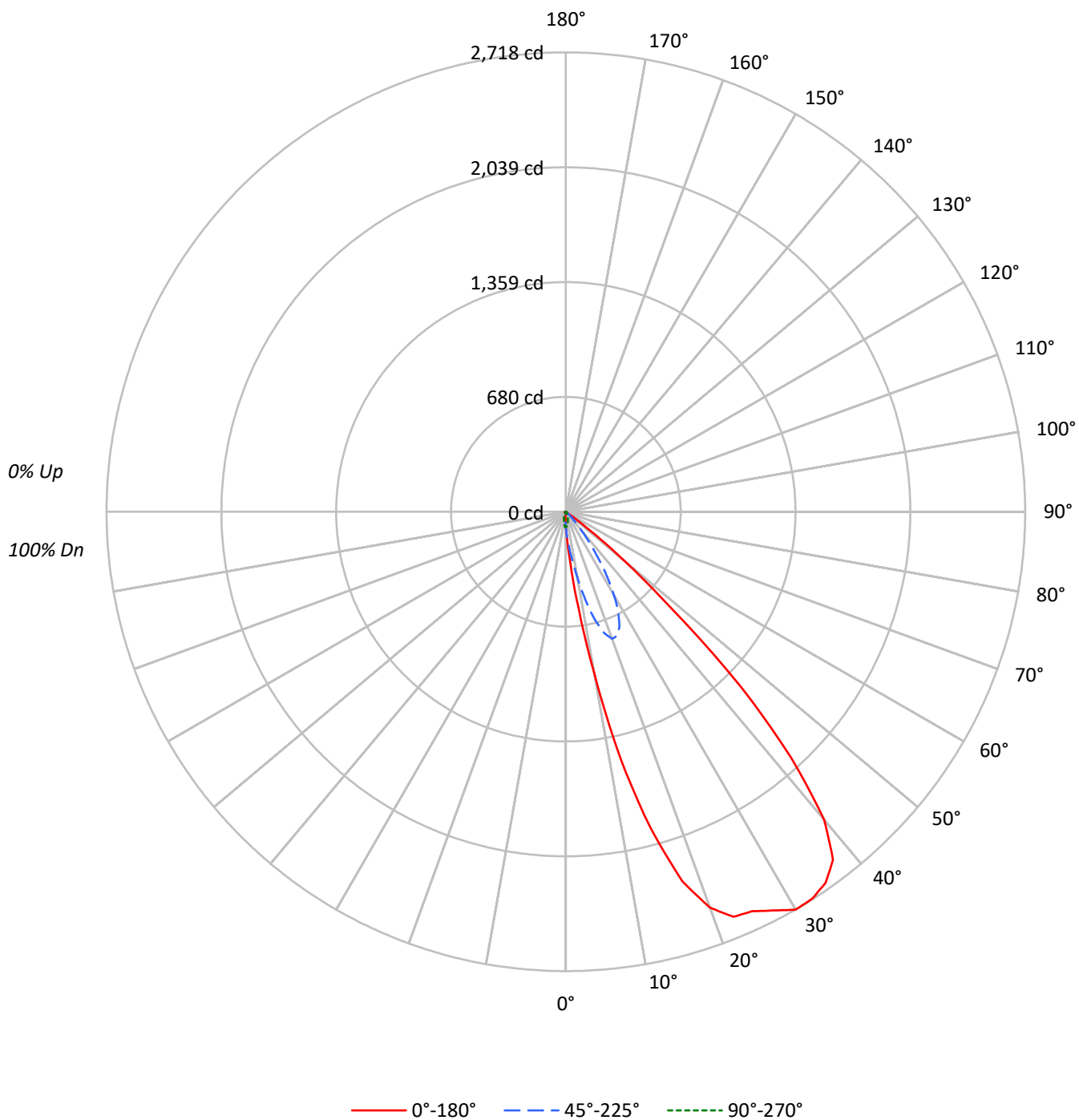
Lumens per Lamp: N/A
Luminaire Lumens: 855.0 lumens
Efficiency: N/A
Efficacy: 44.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1345699

CATALOG NUMBER: P3A13R35B2750DE010 E3CA301MW_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1345699

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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°	19691	19691	19691	19691	19691
5°	67070	43583	18424	7770	5745
10°	215850	88353	14518	2895	1870
15°	439776	149853	10284	1044	704
20°	581541	186613	6627	350	350
25°	631004	181414	3726	194	363
30°	688334	144579	1545	203	380
35°	717228	89998	402	214	402
40°	680618	39331	229	429	658
45°	454373	15723	248	713	1178
50°	152387	2627	512	1058	1569
55°	8525	306	573	1453	2064
60°	658	351	1009	1667	2368
65°	778	415	1193	1972	2802
70°	513	513	1475	2436	2949
75°	678	678	1949	2626	3219
80°	0	1010	2904	2904	2904
85°	0	2013	5787	2013	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 454373 cd/sqm

TEST NUMBER: P1345699

CATALOG NUMBER: P3A13R35B2750DE010 E3CA301MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.6	1.8
10°-20°	122.8	14.4
20°-30°	259.2	30.3
30°-40°	294.1	34.4
40°-50°	144.7	16.9
50°-60°	12.6	1.5
60°-70°	2.6	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°	397.6	46.5
0°-40°	691.6	80.9
0°-60°	848.9	99.3
0°-90°	855.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	855.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	90	90	90	90	90	
5°	305	198	84	35	26	50
15°	1937	660	45	5	3	551
25°	2608	750	15	1	2	1214
35°	2679	336	2	1	2	1651
45°	1465	51	1	2	4	1083
55°	22	1	2	4	5	87
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	

TEST NUMBER: P1345699

CATALOG NUMBER: P3A13R35B2750DE010 E3CA301MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
2.5°	155.8	159.6	158.1	157.3	156.6	153.5	146.6	145.8	138.9	134.3	111.3
5°	304.7	298.6	300.1	291.7	280.9	265.6	255.6	234.1	216.4	198.0	129.7
7.5°	574.1	565.6	549.5	525.0	499.6	466.6	416.8	376.8	330.8	287.0	144.3
10°	969.4	964.7	944.0	881.1	825.8	737.6	654.7	567.2	481.2	396.8	154.3
12.5°	1497.4	1465.9	1428.3	1344.7	1235.7	1125.2	961.7	810.5	673.1	531.9	155.0
15°	1937.2	1917.2	1864.3	1755.3	1624.0	1464.4	1270.2	1066.8	859.6	660.1	147.4
17.5°	2291.0	2260.3	2192.0	2085.3	1934.1	1726.9	1499.7	1251.8	999.3	751.4	134.3
20°	2492.1	2476.0	2423.8	2317.1	2152.1	1925.7	1667.0	1378.4	1086.8	799.7	117.4
22.5°	2593.4	2581.9	2543.5	2458.3	2304.0	2076.1	1779.8	1444.4	1112.1	794.4	99.8
25°	2608.0	2604.9	2571.9	2507.4	2378.5	2152.8	1829.0	1456.7	1091.4	749.8	82.9
27.5°	2658.6	2647.9	2608.7	2544.3	2414.6	2165.9	1812.1	1414.5	1024.6	671.6	69.1
30°	2718.5	2710.8	2671.7	2604.9	2451.4	2153.6	1752.2	1320.9	917.9	571.0	51.4
32.5°	2713.9	2710.8	2677.8	2607.2	2425.3	2081.5	1645.5	1180.4	772.9	450.5	32.2
35°	2679.3	2668.6	2627.2	2518.2	2276.4	1895.7	1442.9	990.1	611.7	336.2	20.7
37.5°	2596.5	2573.4	2503.6	2318.6	2010.1	1609.5	1175.0	764.4	432.9	224.9	13.0
40°	2377.7	2348.6	2208.1	1984.8	1661.6	1267.9	874.2	525.7	285.5	137.4	5.4
42.5°	1972.5	1913.4	1772.9	1543.4	1240.3	896.4	574.1	340.8	168.1	82.9	1.5
45°	1465.2	1419.9	1272.5	1064.5	812.8	574.9	347.7	184.2	92.9	50.7	0.8
47.5°	853.5	825.8	749.8	613.2	449.0	301.6	178.1	99.0	54.5	24.6	0.8
50°	446.7	412.1	354.6	268.6	198.0	138.9	86.7	53.0	26.9	7.7	0.8
52.5°	156.6	154.3	140.5	105.9	86.0	62.2	42.2	23.0	7.7	1.5	0.8
55°	22.3	22.3	20.7	23.0	24.6	22.3	14.6	6.1	1.5	0.8	0.8
57.5°	1.5	1.5	1.5	2.3	3.1	3.1	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

TEST NUMBER: P1345699

CATALOG NUMBER: P3A13R35B2750DE010 E3CA301MW_2700K

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	89.8	89.8	89.8	89.8	89.8
2.5°	89.0	71.4	56.8	49.9	47.6
5°	83.7	53.7	35.3	27.6	26.1
7.5°	74.4	38.4	21.5	15.4	14.6
10°	65.2	27.6	13.0	9.2	8.4
12.5°	54.5	19.2	8.4	5.4	4.6
15°	45.3	13.0	4.6	3.8	3.1
17.5°	36.1	8.4	3.1	2.3	3.1
20°	28.4	5.4	1.5	1.5	1.5
22.5°	21.5	3.1	1.5	1.5	1.5
25°	15.4	1.5	0.8	0.8	1.5
27.5°	10.7	0.8	0.8	0.8	1.5
30°	6.1	0.8	0.8	0.8	1.5
32.5°	3.1	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	3.1
45°	0.8	1.5	2.3	3.1	3.8
47.5°	1.5	1.5	3.1	3.8	4.6
50°	1.5	2.3	3.1	4.6	4.6
52.5°	1.5	2.3	3.8	4.6	5.4
55°	1.5	3.1	3.8	5.4	5.4
57.5°	2.3	3.1	3.8	5.4	5.4
60°	2.3	3.1	3.8	5.4	5.4
62.5°	2.3	3.1	3.8	5.4	5.4
65°	2.3	3.1	3.8	5.4	5.4
67.5°	2.3	3.1	3.8	4.6	5.4
70°	2.3	3.1	3.8	4.6	4.6
72.5°	3.1	3.1	3.8	4.6	4.6
75°	2.3	3.1	3.1	3.8	3.8
77.5°	2.3	2.3	2.3	3.1	3.1
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)