

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: P1344759

Luminaire Tested: P3A13R25W2N902750DE010 E3CA301MW_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R25W2N902750DE010 E3CA301MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI ,
E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

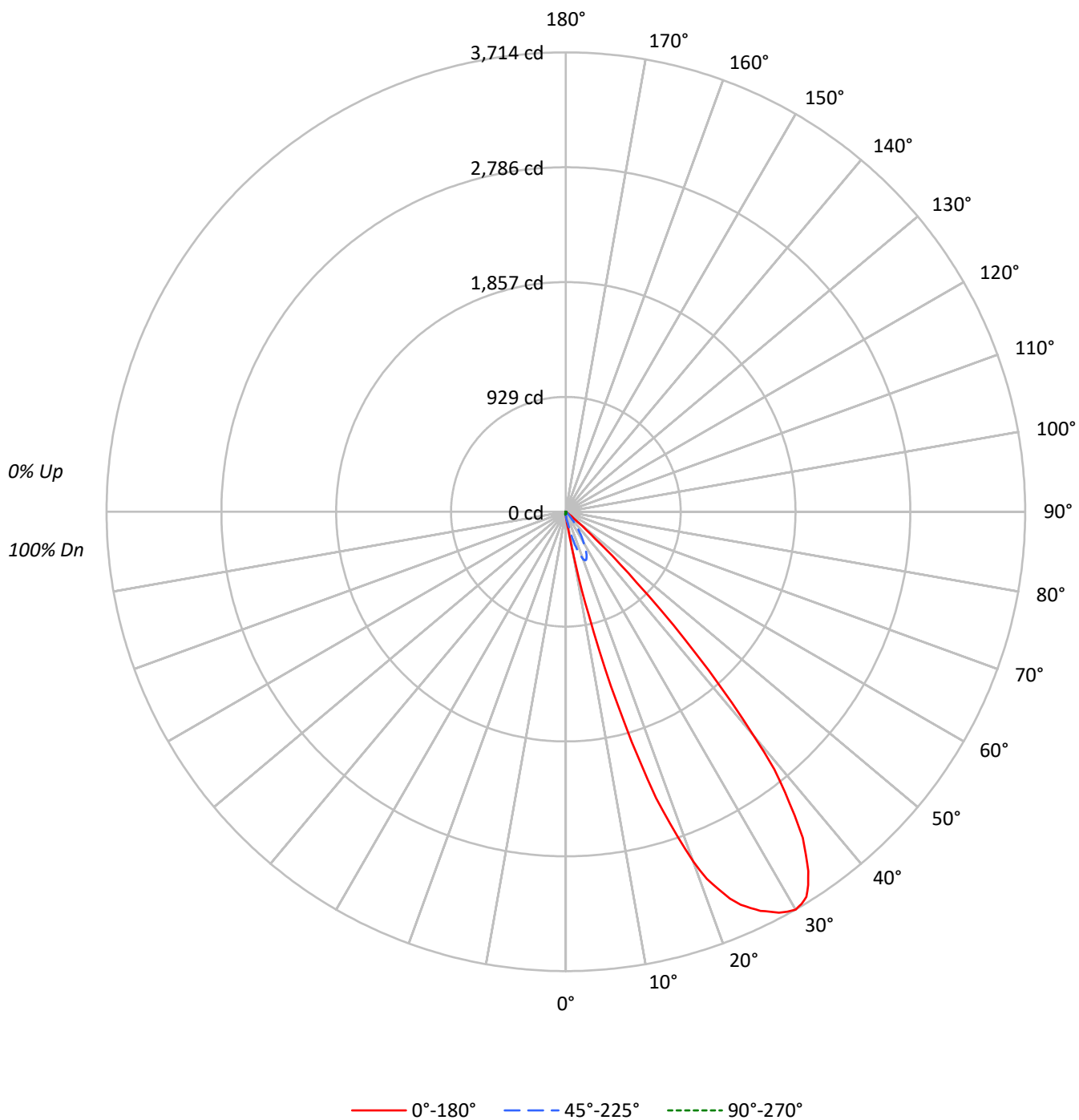
Lumens per Lamp: N/A
Luminaire Lumens: 743.1 lumens
Efficiency: N/A
Efficacy: 60.4 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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: P1344759

CATALOG NUMBER: P3A13R25W2N902750DE010 E3CA301MW_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1344759

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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
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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83	
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75	
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68	
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61	
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55	
7	76	65	58	53	74	64	57	52	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	50	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	44	39	49	43	39	48	43	39	48	42	39	37	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6995	6995	6995	6995	6995
5°	17543	12965	6560	3368	2597
10°	76708	22066	5411	1536	1091
15°	364792	59478	3768	636	477
20°	702231	95278	2427	163	163
25°	855243	96102	1331	0	0
30°	940297	73556	532	0	0
35°	906138	46766	187	0	0
40°	677069	20238	0	0	200
45°	250662	5365	217	217	651
50°	29577	716	478	478	955
55°	2906	0	535	803	1338
60°	307	0	921	1228	1535
65°	363	363	1453	1816	2179
70°	449	449	1795	1795	2693
75°	593	593	1779	1779	2372
80°	0	884	2652	1768	2652
85°	0	1761	5284	1761	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 250662 cd/sqm

TEST NUMBER: P1344759

CATALOG NUMBER: P3A13R25W2N902750DE010 E3CA301MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.6
10°-20°	86.6	11.7
20°-30°	271.9	36.6
30°-40°	286.2	38.5
40°-50°	84.1	11.3
50°-60°	4.5	0.6
60°-70°	2.2	0.3
70°-80°	1.9	0.3
80°-90°	1.0	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°	363.2	48.9
0°-40°	649.4	87.4
0°-60°	738.0	99.3
0°-90°	743.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	743.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	32	32	32	32	32	
5°	80	59	30	15	12	14
15°	1607	262	17	3	2	507
25°	3535	397	6	0	0	1621
35°	3385	175	1	0	0	2043
45°	808	17	1	1	2	735
55°	8	0	1	2	4	19
65°	1	1	3	4	4	1
75°	1	1	2	2	3	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1344759

CATALOG NUMBER: P3A13R25W2N902750DE010 E3CA301MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
2.5°	49.2	49.9	47.8	49.2	47.8	47.1	46.4	43.0	37.4	31.9	26.3
5°	79.7	79.7	76.3	75.6	74.2	71.4	68.6	58.9	42.3	29.8	20.8
7.5°	124.8	124.1	122.7	119.2	112.3	105.4	98.4	76.9	46.4	27.7	15.9
10°	344.5	339.7	333.4	296.0	253.7	216.3	183.7	99.1	49.9	24.3	11.8
12.5°	856.1	828.4	762.6	687.7	592.0	491.5	393.1	161.5	51.3	20.1	8.3
15°	1606.9	1549.4	1446.8	1297.0	1101.5	881.8	694.6	262.0	49.9	16.6	6.2
17.5°	2426.3	2370.8	2228.7	2001.4	1713.7	1376.1	1044.7	347.3	46.4	13.9	4.2
20°	3009.3	2950.4	2817.3	2576.0	2264.8	1814.9	1375.4	408.3	43.7	10.4	2.1
21°	3179.8	3120.9	2980.2	2747.3	2420.1	1968.8	1481.4	418.7	41.6	9.0	1.4
22°	3288.0	3253.3	3102.2	2876.2	2542.8	2092.2	1572.2	423.6	40.2	8.3	1.4
23°	3396.8	3344.8	3203.4	2964.9	2636.3	2183.7	1639.5	420.1	38.8	6.9	0.7
24°	3477.2	3433.6	3269.3	3033.6	2701.5	2239.8	1679.0	411.1	36.7	6.2	0.7
25°	3534.8	3494.6	3323.3	3080.0	2745.2	2270.3	1691.5	397.2	34.7	5.5	0.7
26°	3589.5	3545.9	3368.4	3107.0	2768.1	2280.0	1679.7	382.0	32.6	4.9	0.0
27°	3629.1	3584.7	3399.6	3123.0	2769.4	2268.2	1647.8	361.2	30.5	4.2	0.0
28°	3671.3	3620.0	3421.1	3132.0	2761.1	2240.5	1602.1	339.0	29.1	3.5	0.0
29°	3697.0	3648.5	3443.3	3141.7	2743.8	2194.1	1535.5	312.6	25.6	2.1	0.0
30°	3713.6	3656.1	3441.2	3131.3	2720.9	2144.2	1455.8	290.5	22.2	2.1	0.0
31°	3699.8	3639.4	3419.0	3102.2	2684.2	2079.0	1374.0	262.7	18.0	1.4	0.0
32°	3670.0	3598.5	3380.2	3051.6	2618.3	1995.1	1289.4	239.9	13.2	1.4	0.0
33°	3597.2	3536.9	3310.2	2983.7	2532.4	1881.4	1179.2	217.7	9.0	0.7	0.0
34°	3505.7	3445.3	3214.5	2892.8	2417.3	1734.5	1045.4	194.8	7.6	0.7	0.0
35°	3385.0	3325.4	3106.4	2766.0	2264.8	1557.7	907.4	174.7	6.2	0.7	0.0
36°	3258.2	3179.1	2969.8	2630.8	2060.3	1356.6	759.8	151.8	4.9	0.7	0.0
37°	3071.7	3018.3	2786.1	2424.9	1839.1	1163.9	652.3	131.0	3.5	0.7	0.0
38°	2878.3	2829.1	2602.4	2217.6	1592.3	973.3	546.3	110.9	2.8	0.0	0.0
39°	2678.6	2596.8	2372.9	1952.1	1333.8	815.2	459.6	92.9	1.4	0.0	0.0
40°	2365.3	2302.9	2063.7	1633.2	1103.6	660.6	391.7	70.7	1.4	0.0	0.0
42.5°	1568.1	1509.9	1258.9	885.9	586.5	386.1	258.6	27.7	0.0	0.7	0.0
45°	808.3	771.6	626.7	463.8	332.7	237.1	166.4	17.3	0.0	0.7	0.7
47.5°	321.0	314.7	284.2	245.4	189.3	140.7	90.8	7.6	0.0	0.7	0.7
50°	86.7	87.3	81.8	75.6	68.6	64.5	38.1	2.1	0.0	1.4	0.7
52.5°	36.7	37.4	36.0	34.0	30.5	22.9	15.3	0.7	0.7	1.4	1.4
55°	7.6	8.3	9.0	9.7	11.1	9.7	6.2	0.0	0.7	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	2.1	2.1	1.4	0.0	0.7	1.4	2.1
60°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.4	2.1	2.1
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.1	2.8
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.8	2.8
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1	2.8	2.8
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1	2.8	2.8
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1	2.8	2.1
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1	2.1	2.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4	2.1	2.1
80°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4	2.1	1.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4	2.1	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.1	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.1	1.4
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):

	135°	157.5°	180°
0°	31.9	31.9	31.9
2.5°	22.2	20.1	19.4
5°	15.3	13.2	11.8
7.5°	10.4	8.3	7.6
10°	6.9	5.5	4.9
12.5°	4.9	2.8	2.8
15°	2.8	2.1	2.1
17.5°	1.4	0.7	0.7
20°	0.7	0.7	0.7
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.7
39°	0.0	0.7	0.7
40°	0.0	0.7	0.7
42.5°	0.0	0.7	1.4
45°	0.7	1.4	2.1
47.5°	1.4	2.1	2.8
50°	1.4	2.8	2.8
52.5°	2.1	2.8	3.5
55°	2.1	3.5	3.5
57.5°	2.8	3.5	4.2
60°	2.8	3.5	3.5
62.5°	2.8	4.2	4.2
65°	3.5	4.2	4.2
67.5°	3.5	4.2	4.2
70°	2.8	3.5	4.2
72.5°	2.8	3.5	3.5
75°	2.1	2.8	2.8
77.5°	2.1	2.1	2.8
80°	1.4	2.1	2.1



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CATALOG NUMBER: P3A13R25W2N902750DE010 E3CA301MW_2700K

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.4	1.4	1.4
85°	0.7	0.7	0.7
87.5°	0.7	0.7	0.7
90°	0.0	0.0	0.0

(END OF REPORT)