

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: P1344760

Luminaire Tested: P3A13R25W2N902750DE010 E3CA301MW_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344760
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

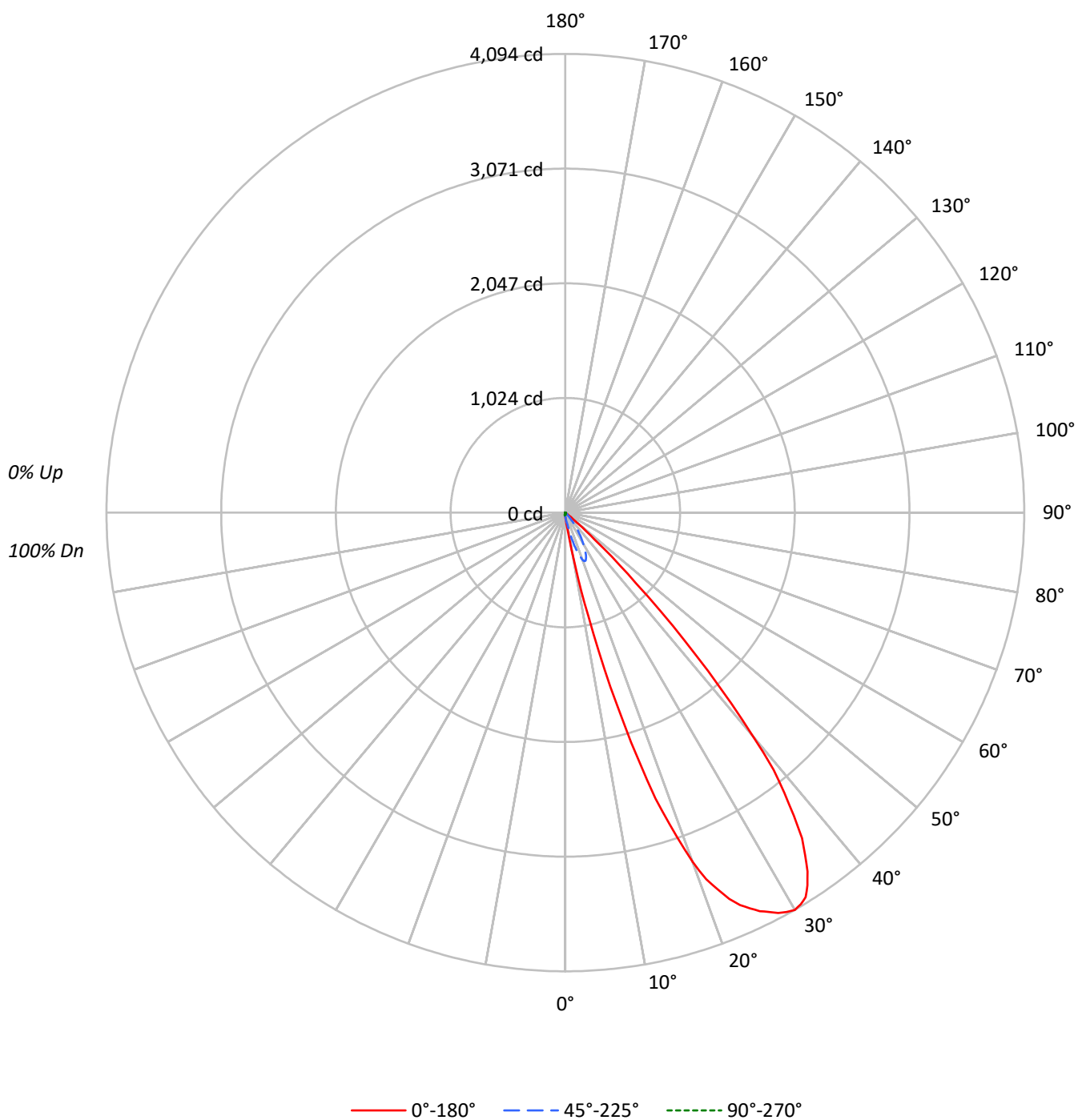
Lumens per Lamp: N/A
Luminaire Lumens: 819.0 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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				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	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	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	44	39	49	43	39	48	43	39	48	42	39	37			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7719	7719	7719	7719	7719
5°	19348	14308	7242	3698	2862
10°	84568	24337	5945	1692	1180
15°	402114	65562	4154	704	522
20°	774057	105032	2684	187	187
25°	942708	105950	1476	0	0
30°	1036489	81076	582	0	0
35°	998840	51558	214	0	0
40°	746313	22299	0	0	229
45°	276308	5923	248	248	713
50°	32579	785	512	512	1058
55°	3211	0	573	879	1453
60°	351	0	1009	1360	1667
65°	415	415	1608	1972	2387
70°	513	513	1988	1988	2949
75°	678	678	1949	1949	2626
80°	0	1010	2904	1894	2904
85°	0	2013	5787	2013	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 276308 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.6
10°-20°	95.5	11.7
20°-30°	299.7	36.6
30°-40°	315.5	38.5
40°-50°	92.7	11.3
50°-60°	5.0	0.6
60°-70°	2.4	0.3
70°-80°	2.1	0.3
80°-90°	1.1	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°	400.3	48.9
0°-40°	715.8	87.4
0°-60°	813.4	99.3
0°-90°	819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	819.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	35	35	35	35	35	
5°	88	65	33	17	13	16
15°	1771	289	18	3	2	558
25°	3896	438	6	0	0	1787
35°	3731	193	1	0	0	2252
45°	891	19	1	1	2	810
55°	8	0	2	2	4	21
65°	1	1	3	4	5	1
75°	1	1	2	2	3	1
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
2.5°	54.3	55.0	52.7	54.3	52.7	52.0	51.2	47.4	41.3	35.2	29.0
5°	87.9	87.9	84.1	83.3	81.8	78.7	75.6	65.0	46.6	32.9	22.9
7.5°	137.5	136.8	135.3	131.4	123.8	116.1	108.5	84.8	51.2	30.6	17.6
10°	379.8	374.4	367.6	326.3	279.7	238.4	202.5	109.3	55.0	26.7	13.0
12.5°	943.7	913.1	840.6	758.0	652.6	541.8	433.3	178.0	56.5	22.2	9.2
15°	1771.3	1707.8	1594.8	1429.7	1214.2	972.0	765.7	288.8	55.0	18.3	6.9
17.5°	2674.5	2613.3	2456.7	2206.1	1888.9	1516.8	1151.6	382.8	51.2	15.3	4.6
20°	3317.1	3252.2	3105.5	2839.5	2496.4	2000.5	1516.0	450.1	48.1	11.5	2.3
21°	3505.1	3440.1	3285.0	3028.3	2667.6	2170.2	1633.0	461.5	45.8	9.9	1.5
22°	3624.3	3586.1	3419.5	3170.4	2802.9	2306.2	1733.1	466.9	44.3	9.2	1.5
23°	3744.3	3687.0	3531.1	3268.2	2906.0	2407.0	1807.2	463.1	42.8	7.6	0.8
24°	3832.9	3784.8	3603.7	3343.9	2977.8	2468.9	1850.7	453.1	40.5	6.9	0.8
25°	3896.3	3852.0	3663.3	3395.1	3026.0	2502.5	1864.5	437.9	38.2	6.1	0.8
26°	3956.7	3908.6	3712.9	3424.9	3051.2	2513.2	1851.5	421.0	35.9	5.3	0.0
27°	4000.3	3951.4	3747.3	3442.4	3052.7	2500.3	1816.4	398.1	33.6	4.6	0.0
28°	4046.9	3990.3	3771.0	3452.4	3043.6	2469.7	1765.9	373.7	32.1	3.8	0.0
29°	4075.1	4021.7	3795.5	3463.1	3024.5	2418.5	1692.6	344.6	28.3	2.3	0.0
30°	4093.5	4030.1	3793.2	3451.6	2999.2	2363.5	1604.7	320.2	24.5	2.3	0.0
31°	4078.2	4011.7	3768.7	3419.5	2958.7	2291.6	1514.5	289.6	19.9	1.5	0.0
32°	4045.3	3966.6	3725.9	3363.7	2886.1	2199.2	1421.3	264.4	14.5	1.5	0.0
33°	3965.1	3898.6	3648.8	3288.8	2791.4	2073.9	1299.8	239.9	9.9	0.8	0.0
34°	3864.2	3797.8	3543.3	3188.7	2664.5	1911.9	1152.3	214.7	8.4	0.8	0.0
35°	3731.3	3665.6	3424.1	3048.9	2496.4	1717.0	1000.3	192.6	6.9	0.8	0.0
36°	3591.4	3504.3	3273.6	2899.9	2271.0	1495.4	837.5	167.3	5.3	0.8	0.0
37°	3385.9	3327.1	3071.1	2673.0	2027.3	1283.0	719.1	144.4	3.8	0.8	0.0
38°	3172.7	3118.4	2868.6	2444.5	1755.2	1072.8	602.1	122.3	3.1	0.0	0.0
39°	2952.6	2862.5	2615.6	2151.8	1470.2	898.6	506.6	102.4	1.5	0.0	0.0
40°	2607.2	2538.5	2274.8	1800.3	1216.5	728.2	431.7	77.9	1.5	0.0	0.0
42.5°	1728.5	1664.3	1387.7	976.6	646.5	425.6	285.0	30.6	0.0	0.8	0.0
45°	891.0	850.5	690.8	511.2	366.8	261.3	183.4	19.1	0.0	0.8	0.8
47.5°	353.8	346.9	313.3	270.5	208.6	155.1	100.1	8.4	0.0	0.8	0.8
50°	95.5	96.3	90.2	83.3	75.6	71.1	42.0	2.3	0.0	1.5	0.8
52.5°	40.5	41.3	39.7	37.4	33.6	25.2	16.8	0.8	0.8	1.5	1.5
55°	8.4	9.2	9.9	10.7	12.2	10.7	6.9	0.0	0.8	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	2.3	2.3	1.5	0.0	0.8	1.5	2.3
60°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.5	2.3	2.3
62.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	2.3	3.1
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	3.1	3.1
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	3.1	3.1
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	3.1	3.1
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	3.1	2.3
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	2.3	2.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5	2.3	2.3
80°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5	2.3	1.5



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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	0.8	0.8	1.5	2.3	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	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):

	135°	157.5°	180°
0°	35.2	35.2	35.2
2.5°	24.5	22.2	21.4
5°	16.8	14.5	13.0
7.5°	11.5	9.2	8.4
10°	7.6	6.1	5.3
12.5°	5.3	3.1	3.1
15°	3.1	2.3	2.3
17.5°	1.5	0.8	0.8
20°	0.8	0.8	0.8
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	0.8
39°	0.0	0.8	0.8
40°	0.0	0.8	0.8
42.5°	0.0	0.8	1.5
45°	0.8	1.5	2.3
47.5°	1.5	2.3	3.1
50°	1.5	3.1	3.1
52.5°	2.3	3.1	3.8
55°	2.3	3.8	3.8
57.5°	3.1	3.8	4.6
60°	3.1	3.8	3.8
62.5°	3.1	4.6	4.6
65°	3.8	4.6	4.6
67.5°	3.8	4.6	4.6
70°	3.1	3.8	4.6
72.5°	3.1	3.8	3.8
75°	2.3	3.1	3.1
77.5°	2.3	2.3	3.1
80°	1.5	2.3	2.3



TEST NUMBER: P1344760

CATALOG NUMBER: P3A13R25W2N902750DE010 E3CA301MW_3000K

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.5	1.5	1.5
85°	0.8	0.8	0.8
87.5°	0.8	0.8	0.8
90°	0.0	0.0	0.0

(END OF REPORT)