

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: P1345011

Luminaire Tested: P3A13R309730DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345011
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: P3A13R309730DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

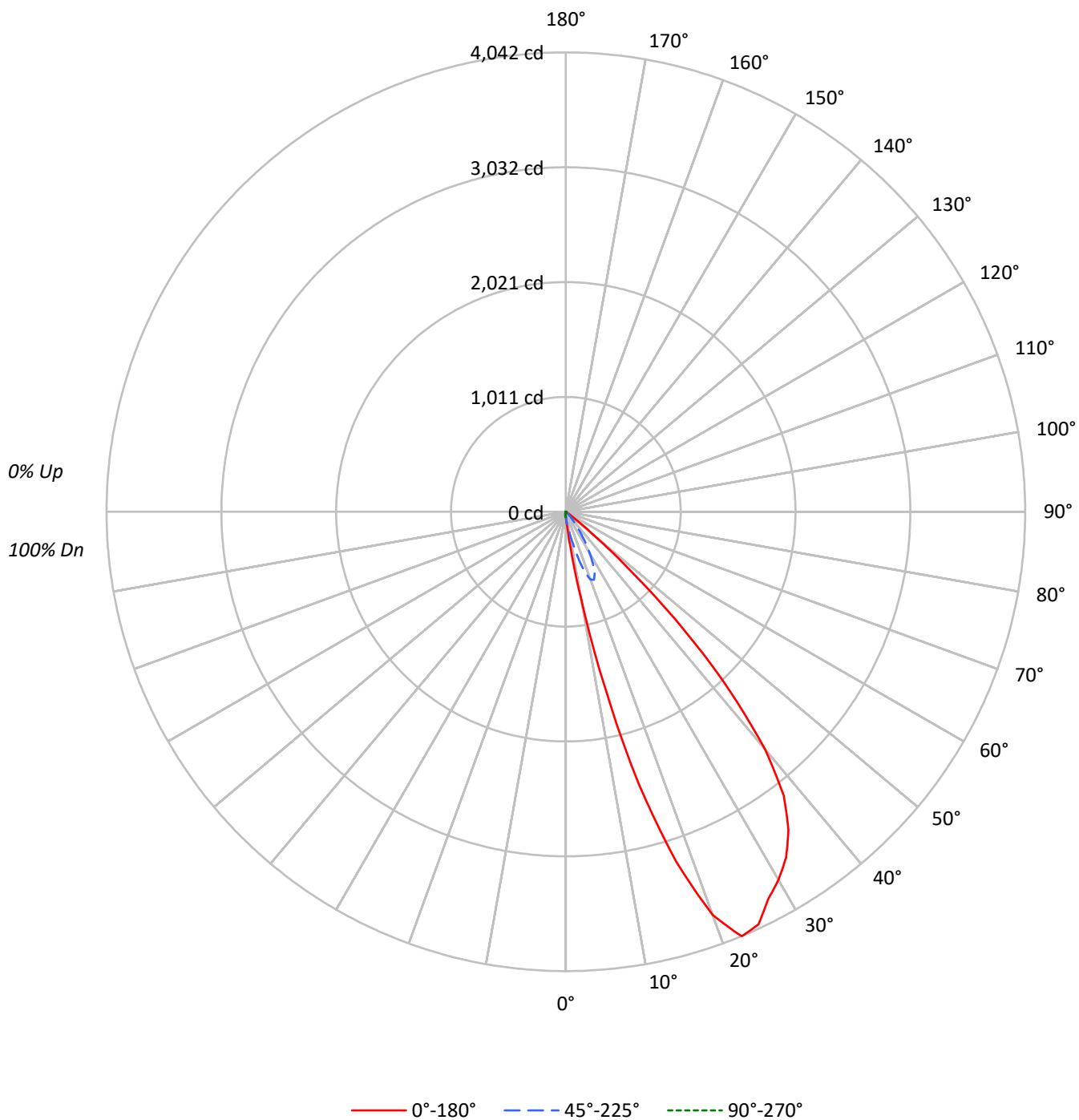
Lumens per Lamp: N/A
Luminaire Lumens: 953.0 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	88	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	67	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°	9933	9933	9933	9933	9933
5°	29892	19943	9399	4226	3456
10°	173143	42262	7370	1937	1358
15°	563227	95869	5131	386	204
20°	881330	148343	3244	0	0
25°	969612	144952	1694	0	0
30°	947032	104522	658	0	0
35°	914035	59454	241	0	0
40°	779489	25190	0	0	0
45°	457474	9458	279	0	279
50°	111109	1774	307	307	887
55°	9672	0	650	994	1338
60°	395	0	746	1140	1930
65°	467	467	1349	1349	2283
70°	577	577	1667	1667	2244
75°	0	763	2203	2203	2203
80°	0	1137	3283	2147	2147
85°	0	2264	6542	2264	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 457474 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	0.9
10°-20°	131.0	13.7
20°-30°	332.9	34.9
30°-40°	331.8	34.8
40°-50°	134.4	14.1
50°-60°	9.3	1.0
60°-70°	2.1	0.2
70°-80°	2.1	0.2
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°	472.2	49.5
0°-40°	803.9	84.4
0°-60°	947.6	99.4
0°-90°	953.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	953.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	45	45	45	45	45	
5°	136	91	43	19	16	32
15°	2481	422	23	2	1	722
25°	4008	599	7	0	0	1809
35°	3414	222	1	0	0	2093
45°	1475	30	1	0	1	1125
55°	25	0	2	3	4	66
65°	1	1	3	3	4	1
75°	0	1	3	3	3	0
85°	0	1	3	1	1	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°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
2.5°	74.9	75.8	75.8	74.0	73.1	73.1	70.5	69.7	67.1	64.4	55.7
5°	135.8	133.2	129.8	129.8	121.9	117.6	111.5	104.5	99.3	90.6	64.4
7.5°	308.3	287.4	281.3	273.4	243.8	220.3	193.3	169.8	148.0	129.8	71.4
10°	777.6	736.7	702.8	634.0	547.7	465.0	388.4	299.6	238.6	189.8	76.6
12.5°	1566.6	1511.8	1446.4	1321.0	1159.9	953.6	770.7	575.6	404.1	279.5	78.4
15°	2481.0	2387.8	2285.9	2126.6	1862.7	1566.6	1236.6	925.7	648.8	422.3	76.6
17.5°	3226.4	3189.8	3039.2	2821.5	2498.4	2117.0	1710.3	1285.3	875.2	553.0	71.4
20°	3776.8	3751.5	3569.5	3337.9	2973.9	2536.7	2020.3	1510.0	1032.8	635.7	63.6
22.5°	4042.4	4038.0	3906.5	3669.7	3283.9	2788.4	2219.7	1639.8	1081.6	647.0	53.1
25°	4007.5	4023.2	3948.3	3772.4	3402.3	2892.0	2278.9	1639.8	1045.9	599.1	44.4
27.5°	3849.0	3859.5	3812.5	3677.5	3332.6	2817.1	2196.2	1534.4	942.2	514.7	36.6
30°	3740.2	3744.5	3686.2	3541.6	3175.9	2646.4	2001.2	1339.3	785.5	412.8	27.0
32.5°	3607.8	3607.0	3539.0	3373.6	2970.4	2407.0	1753.8	1106.8	603.5	313.5	15.7
35°	3414.5	3392.7	3300.4	3109.7	2663.8	2084.8	1437.7	843.0	434.5	222.1	9.6
37.5°	3148.9	3092.3	2961.7	2706.5	2233.7	1634.5	1065.9	592.2	297.0	147.2	6.1
40°	2723.1	2663.0	2485.3	2175.3	1689.4	1176.5	718.4	385.8	187.2	88.0	3.5
42.5°	2135.3	2094.3	1854.9	1545.7	1115.5	750.7	431.9	228.2	105.4	50.5	0.9
45°	1475.2	1422.1	1234.0	971.8	669.7	416.3	242.1	119.3	60.1	30.5	0.0
47.5°	814.2	748.9	640.1	503.3	337.0	218.6	121.9	64.4	34.0	14.8	0.0
50°	325.7	323.1	256.9	182.9	128.9	99.3	61.0	34.8	17.4	5.2	0.9
52.5°	114.1	114.1	98.4	80.1	62.7	45.3	30.5	16.5	6.1	1.7	0.9
55°	25.3	27.9	26.1	24.4	23.5	20.0	13.1	6.1	1.7	0.0	0.9
57.5°	2.6	2.6	2.6	3.5	4.4	4.4	3.5	1.7	0.0	0.0	0.9
60°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	1.7
62.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	1.7
65°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.6
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.6
75°	0.0	0.0	0.9	0.9	0.0	0.9	0.9	0.9	0.9	0.9	2.6
77.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	1.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.7
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°	45.3	45.3	45.3	45.3	45.3
2.5°	45.3	35.7	29.6	26.1	25.3
5°	42.7	27.0	19.2	16.5	15.7
7.5°	38.3	20.0	13.1	10.4	9.6
10°	33.1	14.8	8.7	6.1	6.1
12.5°	27.9	11.3	5.2	2.6	1.7
15°	22.6	7.0	1.7	0.9	0.9
17.5°	17.4	4.4	0.0	0.0	0.0
20°	13.9	1.7	0.0	0.0	0.0
22.5°	10.4	0.9	0.0	0.0	0.0
25°	7.0	0.0	0.0	0.0	0.0
27.5°	4.4	0.0	0.0	0.0	0.0
30°	2.6	0.0	0.0	0.0	0.0
32.5°	0.9	0.0	0.0	0.0	0.0
35°	0.9	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°	0.9	0.0	0.0	0.9	0.9
47.5°	0.9	0.9	0.9	1.7	1.7
50°	0.9	0.9	0.9	1.7	2.6
52.5°	1.7	0.9	1.7	2.6	2.6
55°	1.7	1.7	2.6	3.5	3.5
57.5°	1.7	1.7	2.6	3.5	3.5
60°	1.7	1.7	2.6	3.5	4.4
62.5°	2.6	2.6	2.6	3.5	3.5
65°	2.6	2.6	2.6	3.5	4.4
67.5°	2.6	2.6	2.6	3.5	4.4
70°	2.6	2.6	2.6	3.5	3.5
72.5°	3.5	2.6	2.6	3.5	3.5
75°	2.6	2.6	2.6	2.6	2.6
77.5°	2.6	2.6	1.7	2.6	2.6
80°	2.6	1.7	1.7	1.7	1.7
82.5°	2.6	1.7	1.7	1.7	1.7
85°	2.6	1.7	0.9	0.9	0.9
87.5°	2.6	1.7	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)