

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: P1345555

Luminaire Tested: P3A13R359740DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345555
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: P3A13R359740DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

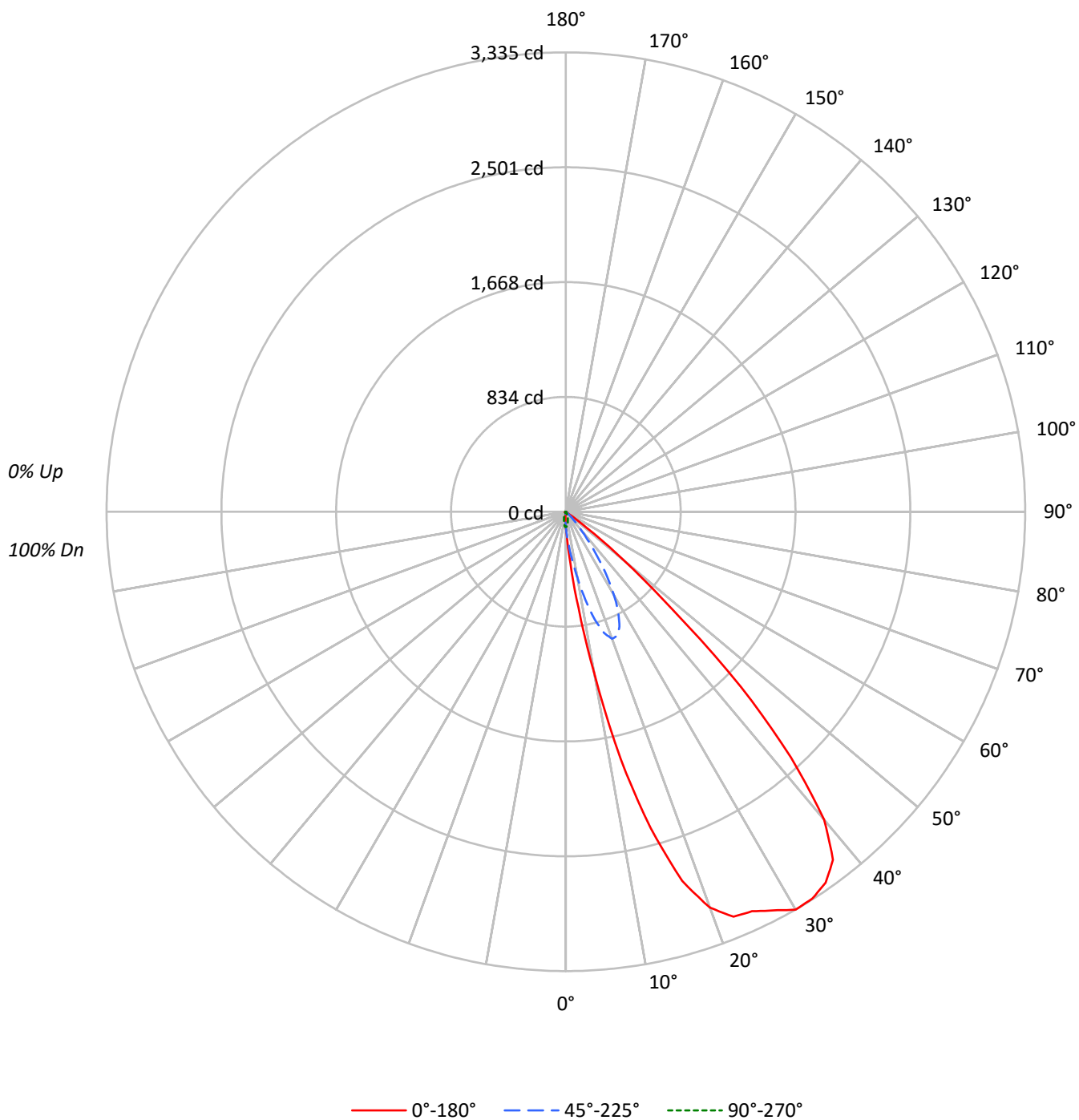
Lumens per Lamp: N/A
Luminaire Lumens: 1048.9 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	24165	24165	24165	24165	24165
5°	82280	53467	22584	9531	7044
10°	264814	108393	17813	3563	2316
15°	539549	183838	12622	1271	863
20°	713479	228967	8121	443	443
25°	774166	222594	4549	218	460
30°	844510	177394	1899	228	481
35°	879985	110396	509	241	509
40°	835050	48262	258	544	802
45°	557453	19258	279	868	1458
50°	186945	3207	648	1296	1910
55°	10437	344	726	1797	2523
60°	833	395	1228	2061	2895
65°	986	467	1453	2439	3424
70°	577	577	1795	3013	3590
75°	763	763	2372	3219	3982
80°	0	1137	3536	3536	3536
85°	0	2264	7045	2264	4780

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 557453 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	1.8
10°-20°	150.7	14.4
20°-30°	318.0	30.3
30°-40°	360.8	34.4
40°-50°	177.6	16.9
50°-60°	15.4	1.5
60°-70°	3.1	0.3
70°-80°	2.9	0.3
80°-90°	1.4	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°	487.8	46.5
0°-40°	848.6	80.9
0°-60°	1041.5	99.3
0°-90°	1048.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1048.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	110	110	110	110	110	
5°	374	243	103	43	32	62
15°	2377	810	56	6	4	676
25°	3200	920	19	1	2	1489
35°	3287	412	2	1	2	2026
45°	1798	62	1	3	5	1328
55°	27	1	2	5	7	107
65°	2	1	3	5	7	2
75°	1	1	3	4	5	1
85°	0	1	3	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°	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2
2.5°	191.2	195.9	194.0	193.0	192.1	188.3	179.9	178.9	170.4	164.8	136.5
5°	373.8	366.3	368.2	357.8	344.6	325.8	313.6	287.2	265.5	242.9	159.1
7.5°	704.4	694.0	674.2	644.1	613.0	572.5	511.3	462.3	405.9	352.2	177.0
10°	1189.3	1183.7	1158.2	1081.0	1013.2	904.9	803.2	695.9	590.4	486.8	189.3
12.5°	1837.2	1798.5	1752.4	1649.8	1516.1	1380.5	1179.9	994.4	825.8	652.6	190.2
15°	2376.7	2352.2	2287.3	2153.5	1992.5	1796.7	1558.4	1308.9	1054.6	809.8	180.8
17.5°	2810.8	2773.2	2689.3	2558.5	2373.0	2118.7	1840.0	1535.8	1226.0	921.9	164.8
20°	3057.5	3037.8	2973.7	2842.8	2640.4	2362.6	2045.3	1691.2	1333.4	981.2	144.1
22.5°	3181.8	3167.7	3120.6	3016.1	2826.8	2547.2	2183.7	1772.2	1364.4	974.6	122.4
25°	3199.7	3196.0	3155.5	3076.4	2918.2	2641.3	2243.9	1787.2	1339.0	920.0	101.7
27.5°	3261.9	3248.7	3200.7	3121.6	2962.4	2657.3	2223.2	1735.5	1257.1	823.9	84.7
30°	3335.3	3325.9	3277.9	3196.0	3007.6	2642.3	2149.8	1620.6	1126.2	700.6	63.1
32.5°	3329.7	3325.9	3285.4	3198.8	2975.6	2553.8	2018.9	1448.3	948.2	552.7	39.5
35°	3287.3	3274.1	3223.3	3089.5	2792.9	2325.9	1770.3	1214.7	750.5	412.4	25.4
37.5°	3185.6	3157.3	3071.7	2844.7	2466.2	1974.6	1441.7	937.9	531.1	275.9	16.0
40°	2917.2	2881.4	2709.1	2435.1	2038.7	1555.6	1072.5	645.0	350.3	168.6	6.6
42.5°	2420.0	2347.5	2175.2	1893.7	1521.7	1099.8	704.4	418.1	206.2	101.7	1.9
45°	1797.6	1742.0	1561.3	1306.1	997.2	705.3	426.6	226.0	113.9	62.1	0.9
47.5°	1047.1	1013.2	920.0	752.4	550.9	370.1	218.5	121.5	66.9	30.1	0.9
50°	548.0	505.7	435.0	329.6	242.9	170.4	106.4	65.0	33.0	9.4	0.9
52.5°	192.1	189.3	172.3	129.9	105.5	76.3	51.8	28.2	9.4	1.9	0.9
55°	27.3	27.3	25.4	28.2	30.1	27.3	17.9	7.5	1.9	0.9	0.9
57.5°	1.9	1.9	1.9	2.8	3.8	3.8	2.8	0.9	0.9	0.9	1.9
60°	1.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9
62.5°	1.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9
65°	1.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.8
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.8
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.8
77.5°	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.9
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°	110.2	110.2	110.2	110.2	110.2
2.5°	109.2	87.6	69.7	61.2	58.4
5°	102.6	65.9	43.3	33.9	32.0
7.5°	91.3	47.1	26.4	18.8	17.9
10°	80.0	33.9	16.0	11.3	10.4
12.5°	66.9	23.5	10.4	6.6	5.6
15°	55.6	16.0	5.6	4.7	3.8
17.5°	44.3	10.4	3.8	2.8	3.8
20°	34.8	6.6	1.9	1.9	1.9
22.5°	26.4	3.8	1.9	1.9	1.9
25°	18.8	1.9	0.9	0.9	1.9
27.5°	13.2	0.9	0.9	0.9	1.9
30°	7.5	0.9	0.9	0.9	1.9
32.5°	3.8	0.9	0.9	1.9	1.9
35°	1.9	0.9	0.9	1.9	1.9
37.5°	0.9	0.9	0.9	1.9	2.8
40°	0.9	0.9	1.9	2.8	2.8
42.5°	0.9	0.9	1.9	2.8	3.8
45°	0.9	1.9	2.8	3.8	4.7
47.5°	1.9	1.9	3.8	4.7	5.6
50°	1.9	2.8	3.8	5.6	5.6
52.5°	1.9	2.8	4.7	5.6	6.6
55°	1.9	3.8	4.7	6.6	6.6
57.5°	2.8	3.8	4.7	6.6	6.6
60°	2.8	3.8	4.7	6.6	6.6
62.5°	2.8	3.8	4.7	6.6	6.6
65°	2.8	3.8	4.7	6.6	6.6
67.5°	2.8	3.8	4.7	5.6	6.6
70°	2.8	3.8	4.7	5.6	5.6
72.5°	3.8	3.8	4.7	5.6	5.6
75°	2.8	3.8	3.8	4.7	4.7
77.5°	2.8	2.8	2.8	3.8	3.8
80°	2.8	2.8	2.8	2.8	2.8
82.5°	2.8	1.9	1.9	2.8	2.8
85°	2.8	1.9	0.9	1.9	1.9
87.5°	1.9	1.9	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)