

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: P1345500

Luminaire Tested: P3A13R359727DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345500
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: P3A13R359727DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

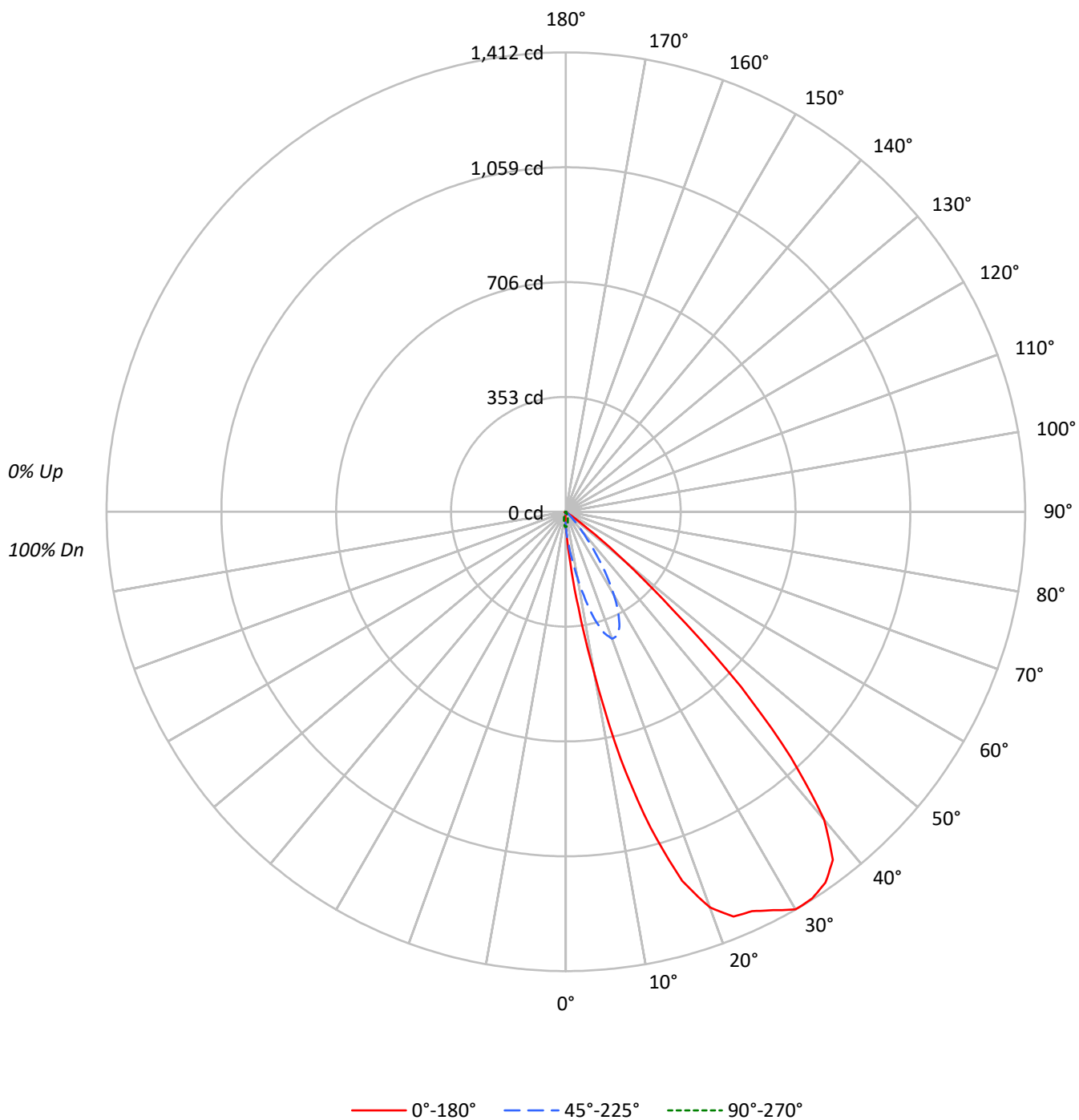
Lumens per Lamp: N/A
Luminaire Lumens: 444.0 lumens
Efficiency: N/A
Efficacy: 30.4 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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°	10218	10218	10218	10218	10218
5°	34823	22628	9553	4028	2994
10°	112089	45891	7548	1514	980
15°	228378	77821	5335	545	363
20°	301983	96912	3430	187	187
25°	327672	94215	1936	97	194
30°	357447	75075	810	101	203
35°	372467	46739	214	107	214
40°	353434	20410	115	229	344
45°	235962	8156	124	372	620
50°	79145	1365	273	546	819
55°	4435	153	306	765	1070
60°	351	175	526	877	1228
65°	415	208	623	1038	1453
70°	256	256	769	1282	1539
75°	339	339	1017	1356	1694
80°	0	505	1515	1515	1515
85°	0	1006	3019	1006	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 235962 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	1.8
10°-20°	63.8	14.4
20°-30°	134.6	30.3
30°-40°	152.7	34.4
40°-50°	75.2	16.9
50°-60°	6.5	1.5
60°-70°	1.3	0.3
70°-80°	1.2	0.3
80°-90°	0.6	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°	206.5	46.5
0°-40°	359.2	80.9
0°-60°	440.8	99.3
0°-90°	444.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	444.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	47	47	47	47	47	
5°	158	103	43	18	14	26
15°	1006	343	24	2	2	286
25°	1354	389	8	0	1	630
35°	1391	175	1	0	1	858
45°	761	26	0	1	2	562
55°	12	0	1	2	3	45
65°	1	0	1	2	3	1
75°	0	0	1	2	2	0
85°	0	0	1	0	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°	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
2.5°	80.9	82.9	82.1	81.7	81.3	79.7	76.1	75.7	72.1	69.7	57.8
5°	158.2	155.0	155.8	151.5	145.9	137.9	132.7	121.6	112.4	102.8	67.4
7.5°	298.1	293.7	285.4	272.6	259.5	242.3	216.4	195.7	171.8	149.1	74.9
10°	503.4	501.0	490.2	457.5	428.9	383.0	340.0	294.5	249.9	206.1	80.1
12.5°	777.6	761.3	741.7	698.3	641.7	584.3	499.4	420.9	349.5	276.2	80.5
15°	1006.0	995.6	968.1	911.5	843.4	760.5	659.6	554.0	446.4	342.8	76.5
17.5°	1189.7	1173.8	1138.3	1082.9	1004.4	896.8	778.8	650.1	518.9	390.2	69.7
20°	1294.1	1285.8	1258.7	1203.3	1117.6	1000.0	865.7	715.8	564.4	415.3	61.0
22.5°	1346.7	1340.8	1320.8	1276.6	1196.5	1078.1	924.3	750.1	577.5	412.5	51.8
25°	1354.3	1352.7	1335.6	1302.1	1235.1	1118.0	949.8	756.5	566.8	389.4	43.0
27.5°	1380.6	1375.0	1354.7	1321.2	1253.9	1124.7	941.0	734.6	532.1	348.7	35.9
30°	1411.7	1407.7	1387.4	1352.7	1273.0	1118.4	909.9	685.9	476.7	296.5	26.7
32.5°	1409.3	1407.7	1390.6	1353.9	1259.5	1080.9	854.5	613.0	401.4	234.0	16.7
35°	1391.4	1385.8	1364.3	1307.7	1182.1	984.4	749.3	514.1	317.7	174.6	10.8
37.5°	1348.3	1336.4	1300.1	1204.1	1043.8	835.8	610.2	397.0	224.8	116.8	6.8
40°	1234.7	1219.6	1146.7	1030.7	862.9	658.4	454.0	273.0	148.3	71.3	2.8
42.5°	1024.3	993.6	920.7	801.5	644.1	465.5	298.1	177.0	87.3	43.0	0.8
45°	760.9	737.3	660.8	552.8	422.1	298.5	180.5	95.7	48.2	26.3	0.4
47.5°	443.2	428.9	389.4	318.5	233.2	156.6	92.5	51.4	28.3	12.8	0.4
50°	232.0	214.0	184.1	139.5	102.8	72.1	45.0	27.5	13.9	4.0	0.4
52.5°	81.3	80.1	72.9	55.0	44.6	32.3	21.9	12.0	4.0	0.8	0.4
55°	11.6	11.6	10.8	12.0	12.8	11.6	7.6	3.2	0.8	0.4	0.4
57.5°	0.8	0.8	0.8	1.2	1.6	1.6	1.2	0.4	0.4	0.4	0.8
60°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
62.5°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
65°	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
77.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
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°	46.6	46.6	46.6	46.6	46.6
2.5°	46.2	37.1	29.5	25.9	24.7
5°	43.4	27.9	18.3	14.3	13.6
7.5°	38.7	19.9	11.2	8.0	7.6
10°	33.9	14.3	6.8	4.8	4.4
12.5°	28.3	10.0	4.4	2.8	2.4
15°	23.5	6.8	2.4	2.0	1.6
17.5°	18.7	4.4	1.6	1.2	1.6
20°	14.7	2.8	0.8	0.8	0.8
22.5°	11.2	1.6	0.8	0.8	0.8
25°	8.0	0.8	0.4	0.4	0.8
27.5°	5.6	0.4	0.4	0.4	0.8
30°	3.2	0.4	0.4	0.4	0.8
32.5°	1.6	0.4	0.4	0.8	0.8
35°	0.8	0.4	0.4	0.8	0.8
37.5°	0.4	0.4	0.4	0.8	1.2
40°	0.4	0.4	0.8	1.2	1.2
42.5°	0.4	0.4	0.8	1.2	1.6
45°	0.4	0.8	1.2	1.6	2.0
47.5°	0.8	0.8	1.6	2.0	2.4
50°	0.8	1.2	1.6	2.4	2.4
52.5°	0.8	1.2	2.0	2.4	2.8
55°	0.8	1.6	2.0	2.8	2.8
57.5°	1.2	1.6	2.0	2.8	2.8
60°	1.2	1.6	2.0	2.8	2.8
62.5°	1.2	1.6	2.0	2.8	2.8
65°	1.2	1.6	2.0	2.8	2.8
67.5°	1.2	1.6	2.0	2.4	2.8
70°	1.2	1.6	2.0	2.4	2.4
72.5°	1.6	1.6	2.0	2.4	2.4
75°	1.2	1.6	1.6	2.0	2.0
77.5°	1.2	1.2	1.2	1.6	1.6
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	0.8	0.8	1.2	1.2
85°	1.2	0.8	0.4	0.8	0.8
87.5°	0.8	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)