

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: P1343071

Luminaire Tested: P3A09R459835DE010 E3A301LI

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1343071
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R459835DE010 E3A301LI
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 98CRI , E3A301LI TRIM
Light Source: -
Ballast/Driver: -

Summary

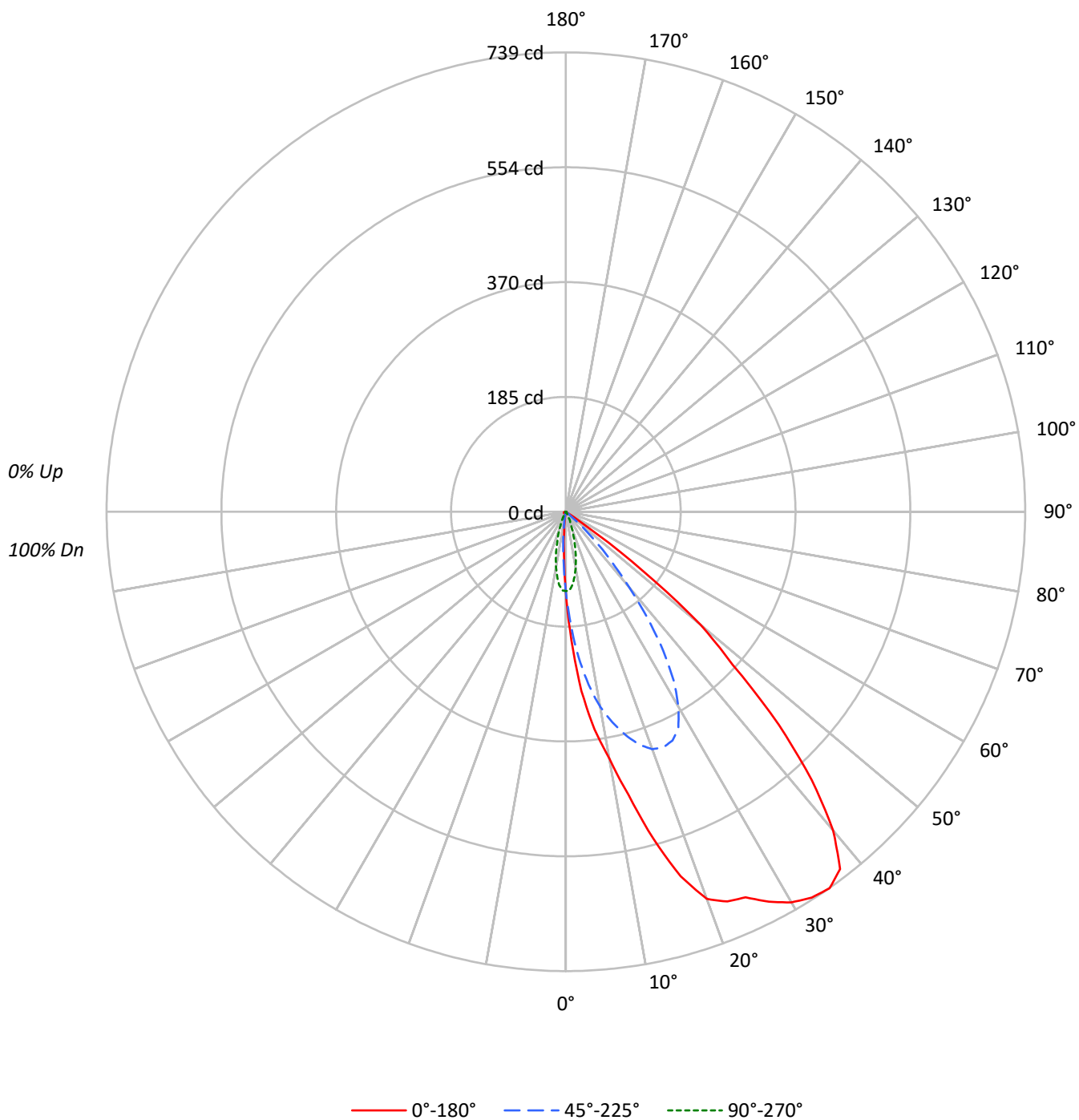
Lumens per Lamp: N/A
Luminaire Lumens: 335.0 lumens
Efficiency: N/A
Efficacy: 30.5 lumens/watt
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54		
7	75	64	57	52	74	63	57	52	62	56	51	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	47	43	51	46	42	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	27958	27958	27958	27958	27958
5°	63702	51684	26150	10478	7154
10°	89778	70985	20218	2316	1069
15°	123701	84473	12917	772	636
20°	154690	94858	6744	513	513
25°	165542	98231	3121	411	484
30°	183724	91736	1418	430	506
35°	197932	73134	455	455	589
40°	191502	45313	229	573	716
45°	150403	21367	248	682	868
50°	96611	2490	375	853	1160
55°	14680	229	421	1070	1376
60°	263	263	482	1228	1491
65°	311	311	571	1297	1764
70°	385	385	705	1410	1988
75°	254	508	932	1694	2118
80°	379	758	1010	1768	2526
85°	0	755	1510	2013	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 150403 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.9	4.2
10°-20°	50.4	15.1
20°-30°	88.6	26.4
30°-40°	100.6	30.0
40°-50°	65.2	19.4
50°-60°	12.8	3.8
60°-70°	1.6	0.5
70°-80°	1.3	0.4
80°-90°	0.6	0.2
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°	153.0	45.7
0°-40°	253.6	75.7
0°-60°	331.6	99.0
0°-90°	335.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	335.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	128	128	128	128	128	
5°	289	235	119	48	32	31
15°	545	372	57	3	3	157
25°	684	406	13	2	2	321
35°	739	273	2	2	2	455
45°	485	69	1	2	3	366
55°	38	1	1	3	4	73
65°	1	1	1	2	3	1
75°	0	1	1	2	2	0
85°	0	0	1	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°	50°
0°	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5
2.5°	207.0	206.5	207.3	201.7	201.4	197.2	196.1	191.4	184.9	181.8	174.5
5°	289.4	286.6	286.6	279.9	277.6	272.9	264.8	254.7	246.3	234.8	222.4
7.5°	353.0	352.4	352.4	346.6	341.0	334.2	323.3	311.8	298.4	280.7	262.8
10°	403.2	404.0	401.5	396.2	388.0	380.7	367.9	353.8	337.3	318.8	295.0
12.5°	466.5	460.3	458.3	446.3	435.9	421.9	406.5	390.5	370.1	346.8	319.9
15°	544.9	537.1	529.2	513.3	495.9	474.3	450.2	426.7	400.4	372.1	338.4
17.5°	615.0	615.0	604.6	579.4	557.0	525.0	492.5	461.1	430.1	392.8	350.8
20°	662.9	660.3	652.5	634.0	608.5	572.4	530.1	486.1	448.5	406.5	357.8
22.5°	678.6	678.0	678.3	667.3	646.9	609.4	557.5	505.7	458.6	409.9	354.4
25°	684.2	685.3	688.1	683.9	668.5	630.9	574.3	514.9	461.7	406.0	341.5
27.5°	707.4	705.2	708.3	705.5	688.1	643.3	577.7	512.7	455.0	391.7	318.5
30°	725.6	725.1	730.4	727.9	705.2	651.1	574.6	504.3	438.5	362.3	282.4
32.5°	736.0	736.3	737.7	727.3	693.7	634.0	559.5	487.2	407.4	323.9	235.3
35°	739.4	737.7	729.8	704.3	658.4	594.5	522.2	446.6	365.1	273.2	186.0
37.5°	724.8	716.1	695.9	657.8	604.6	544.9	474.6	395.3	307.1	215.7	138.7
40°	669.0	657.5	632.0	593.1	543.5	485.8	413.8	330.9	238.1	158.3	97.5
42.5°	585.5	579.7	553.0	519.1	477.1	418.8	344.6	260.6	176.2	109.3	62.2
45°	485.0	477.4	460.6	430.6	397.6	336.5	267.3	186.6	120.2	68.9	30.8
47.5°	363.7	364.2	352.7	330.0	297.5	246.5	182.9	125.2	75.4	35.6	7.0
50°	283.2	279.3	263.1	239.8	202.0	164.2	118.2	79.0	39.8	7.3	0.6
52.5°	156.9	159.4	150.7	143.2	123.6	98.1	69.8	40.1	8.4	0.8	0.6
55°	38.4	40.6	38.9	39.8	41.2	36.7	28.3	7.8	0.8	0.6	0.6
57.5°	0.8	0.8	0.8	0.8	1.4	2.0	2.0	0.6	0.6	0.6	0.6
60°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
62.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6
77.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6
82.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5
2.5°	170.9	165.6	155.8	126.6	101.7	82.1	70.3	69.2
5°	211.5	197.2	176.5	118.8	75.1	47.6	34.5	32.5
7.5°	243.7	223.6	191.6	105.9	51.3	24.4	13.4	11.2
10°	270.4	241.8	199.5	90.8	32.2	10.4	5.6	4.8
12.5°	288.6	254.1	200.9	74.0	18.5	5.0	3.6	3.4
15°	300.3	258.0	194.2	56.9	10.4	3.4	3.1	2.8
17.5°	305.1	254.7	181.3	41.2	5.6	2.5	2.5	2.5
20°	302.9	243.7	162.2	28.9	3.6	2.2	2.2	2.2
22.5°	292.2	225.0	138.4	19.3	2.5	2.0	2.0	2.0
25°	271.2	199.5	113.2	12.9	1.7	1.7	2.0	2.0
27.5°	239.8	168.1	86.6	8.7	1.4	1.7	2.0	2.0
30°	200.3	133.1	62.2	5.6	1.4	1.7	1.7	2.0
32.5°	159.1	96.9	40.9	3.4	1.1	1.7	2.0	2.2
35°	115.4	66.1	26.1	1.7	1.4	1.7	2.0	2.2
37.5°	81.0	43.1	15.1	1.1	1.4	1.7	2.2	2.2
40°	52.7	24.1	5.6	0.8	1.4	2.0	2.2	2.5
42.5°	27.5	8.4	1.1	0.8	1.4	2.0	2.5	2.8
45°	7.0	1.1	0.3	0.8	1.7	2.2	2.8	2.8
47.5°	0.8	0.3	0.3	1.1	1.7	2.5	2.8	3.1
50°	0.3	0.6	0.6	1.1	1.7	2.5	3.1	3.4
52.5°	0.6	0.6	0.6	1.1	2.0	2.5	3.4	3.6
55°	0.6	0.6	0.6	1.1	2.0	2.8	3.4	3.6
57.5°	0.6	0.6	0.6	1.1	2.0	2.8	3.4	3.4
60°	0.6	0.6	0.6	1.1	2.0	2.8	3.4	3.4
62.5°	0.6	0.6	0.8	1.1	2.0	2.5	3.4	3.4
65°	0.6	0.8	0.8	1.1	2.0	2.5	3.1	3.4
67.5°	0.6	0.6	0.8	1.1	2.0	2.5	3.1	3.4
70°	0.6	0.6	0.8	1.1	1.7	2.2	2.8	3.1
72.5°	0.6	0.6	0.8	1.1	1.7	2.2	2.5	2.8
75°	0.6	0.6	0.8	1.1	1.4	2.0	2.5	2.5
77.5°	0.6	0.6	0.8	0.8	1.4	1.7	2.2	2.2
80°	0.6	0.6	0.8	0.8	1.1	1.4	1.7	2.0
82.5°	0.6	0.6	0.6	0.8	0.8	1.1	1.4	1.4
85°	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8
87.5°	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)