

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: P1341362

Luminaire Tested: P3A09R309030D2WDE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341362
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: P3A09R309030D2WDE010 E3A301WMH
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

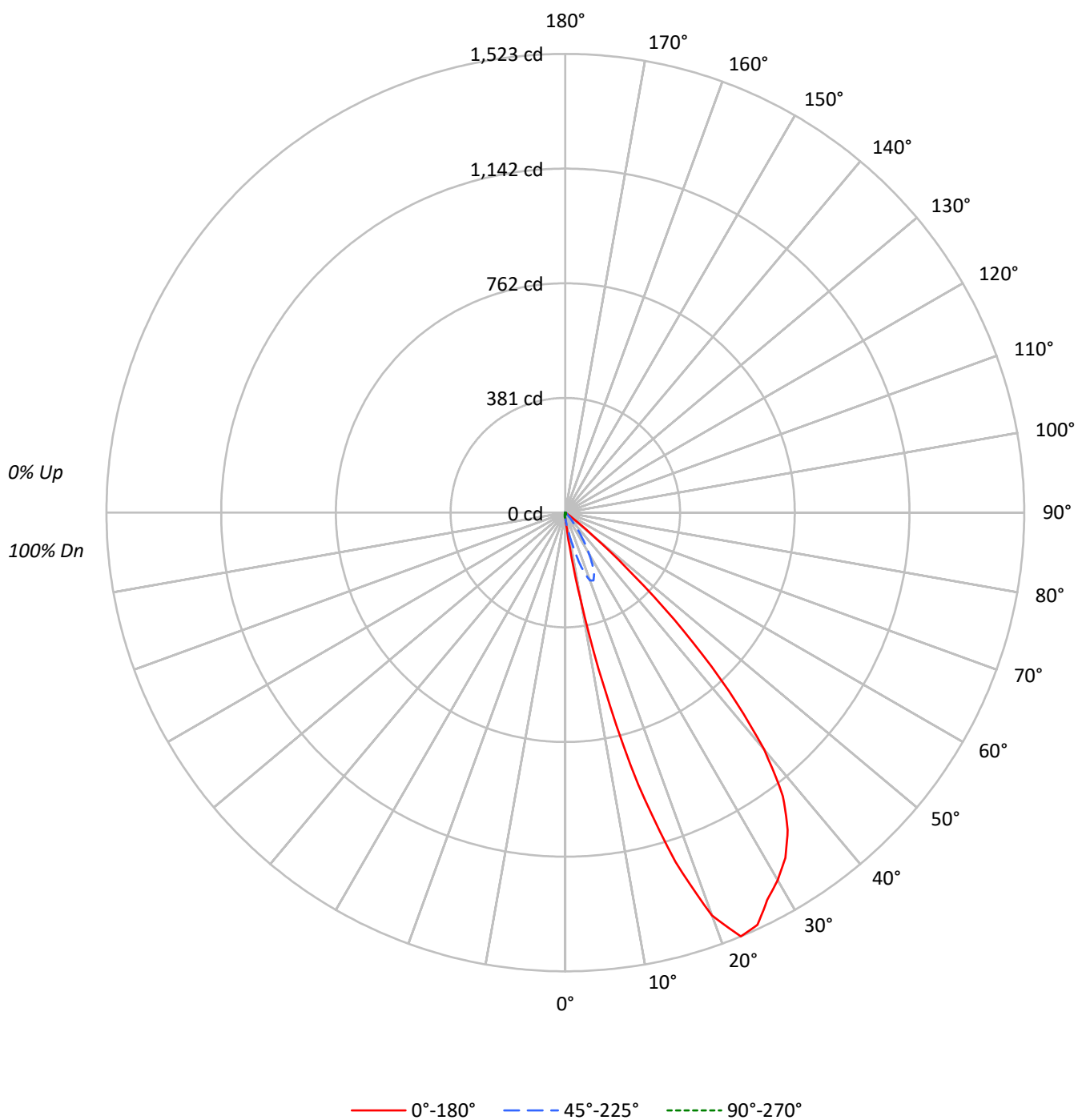
Lumens per Lamp: N/A
Luminaire Lumens: 359.0 lumens
Efficiency: N/A
Efficacy: 24.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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	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	87	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	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	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°	3750	3750	3750	3750	3750
5°	11270	7506	3544	1585	1299
10°	65218	15920	2783	735	512
15°	212169	36118	1930	159	68
20°	331992	55888	1213	0	0
25°	365271	54608	629	0	0
30°	356738	39373	253	0	0
35°	344333	22406	80	0	0
40°	293636	9475	0	0	0
45°	172328	3566	93	0	93
50°	41858	682	102	102	341
55°	3632	0	268	382	497
60°	132	0	307	439	702
65°	156	156	519	519	830
70°	192	192	641	641	833
75°	0	254	847	847	847
80°	0	379	1263	884	884
85°	0	755	2516	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 172328 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.9
10°-20°	49.3	13.7
20°-30°	125.4	34.9
30°-40°	125.0	34.8
40°-50°	50.6	14.1
50°-60°	3.5	1.0
60°-70°	0.8	0.2
70°-80°	0.8	0.2
80°-90°	0.5	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°	177.9	49.5
0°-40°	302.8	84.4
0°-60°	357.0	99.4
0°-90°	359.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	359.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	17	17	17	17	17	
5°	51	34	16	7	6	12
15°	935	159	8	1	0	272
25°	1510	226	3	0	0	682
35°	1286	84	0	0	0	788
45°	556	12	0	0	0	424
55°	10	0	1	1	1	25
65°	0	0	1	1	2	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	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°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
2.5°	28.2	28.5	28.5	27.9	27.6	27.6	26.6	26.2	25.3	24.3	21.0
5°	51.2	50.2	48.9	48.9	45.9	44.3	42.0	39.4	37.4	34.1	24.3
7.5°	116.1	108.3	106.0	103.0	91.9	83.0	72.8	64.0	55.8	48.9	26.9
10°	292.9	277.5	264.7	238.8	206.3	175.2	146.3	112.8	89.9	71.5	28.9
12.5°	590.2	569.5	544.9	497.6	437.0	359.2	290.3	216.8	152.2	105.3	29.5
15°	934.6	899.5	861.1	801.1	701.7	590.2	465.8	348.7	244.4	159.1	28.9
17.5°	1215.4	1201.6	1144.9	1062.9	941.2	797.5	644.3	484.2	329.7	208.3	26.9
20°	1422.7	1413.2	1344.7	1257.4	1120.3	955.6	761.1	568.8	389.1	239.5	23.9
22.5°	1522.8	1521.1	1471.6	1382.4	1237.1	1050.4	836.2	617.7	407.4	243.7	20.0
25°	1509.7	1515.6	1487.4	1421.1	1281.7	1089.4	858.5	617.7	394.0	225.7	16.7
27.5°	1450.0	1453.9	1436.2	1385.3	1255.4	1061.2	827.3	578.0	354.9	193.9	13.8
30°	1408.9	1410.6	1388.6	1334.2	1196.4	996.9	753.8	504.5	295.9	155.5	10.2
32.5°	1359.1	1358.8	1333.2	1270.8	1119.0	906.7	660.7	416.9	227.3	118.1	5.9
35°	1286.3	1278.1	1243.3	1171.4	1003.5	785.3	541.6	317.5	163.7	83.7	3.6
37.5°	1186.2	1164.9	1115.7	1019.6	841.4	615.7	401.5	223.1	111.9	55.4	2.3
40°	1025.8	1003.2	936.2	819.5	636.4	443.2	270.6	145.3	70.5	33.1	1.3
42.5°	804.4	788.9	698.7	582.3	420.2	282.8	162.7	85.9	39.7	19.0	0.3
45°	555.7	535.7	464.8	366.1	252.3	156.8	91.2	44.9	22.6	11.5	0.0
47.5°	306.7	282.1	241.1	189.6	127.0	82.3	45.9	24.3	12.8	5.6	0.0
50°	122.7	121.7	96.8	68.9	48.6	37.4	23.0	13.1	6.6	2.0	0.3
52.5°	43.0	43.0	37.1	30.2	23.6	17.1	11.5	6.2	2.3	0.7	0.3
55°	9.5	10.5	9.8	9.2	8.9	7.5	4.9	2.3	0.7	0.0	0.3
57.5°	1.0	1.0	1.0	1.3	1.6	1.6	1.3	0.7	0.0	0.0	0.3
60°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.7
62.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.7
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
75°	0.0	0.0	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	1.0
77.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7
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°	17.1	17.1	17.1	17.1	17.1
2.5°	17.1	13.4	11.2	9.8	9.5
5°	16.1	10.2	7.2	6.2	5.9
7.5°	14.4	7.5	4.9	3.9	3.6
10°	12.5	5.6	3.3	2.3	2.3
12.5°	10.5	4.3	2.0	1.0	0.7
15°	8.5	2.6	0.7	0.3	0.3
17.5°	6.6	1.6	0.0	0.0	0.0
20°	5.2	0.7	0.0	0.0	0.0
22.5°	3.9	0.3	0.0	0.0	0.0
25°	2.6	0.0	0.0	0.0	0.0
27.5°	1.6	0.0	0.0	0.0	0.0
30°	1.0	0.0	0.0	0.0	0.0
32.5°	0.3	0.0	0.0	0.0	0.0
35°	0.3	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°	0.3	0.0	0.0	0.3	0.3
47.5°	0.3	0.3	0.3	0.7	0.7
50°	0.3	0.3	0.3	0.7	1.0
52.5°	0.7	0.3	0.7	1.0	1.0
55°	0.7	0.7	1.0	1.3	1.3
57.5°	0.7	0.7	1.0	1.3	1.3
60°	0.7	0.7	1.0	1.3	1.6
62.5°	1.0	1.0	1.0	1.3	1.3
65°	1.0	1.0	1.0	1.3	1.6
67.5°	1.0	1.0	1.0	1.3	1.6
70°	1.0	1.0	1.0	1.3	1.3
72.5°	1.3	1.0	1.0	1.3	1.3
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	0.7	1.0	1.0
80°	1.0	0.7	0.7	0.7	0.7
82.5°	1.0	0.7	0.7	0.7	0.7
85°	1.0	0.7	0.3	0.3	0.3
87.5°	1.0	0.7	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)