

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: P1335406

Luminaire Tested: P3A02R359730DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335406
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: P3A02R359730DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

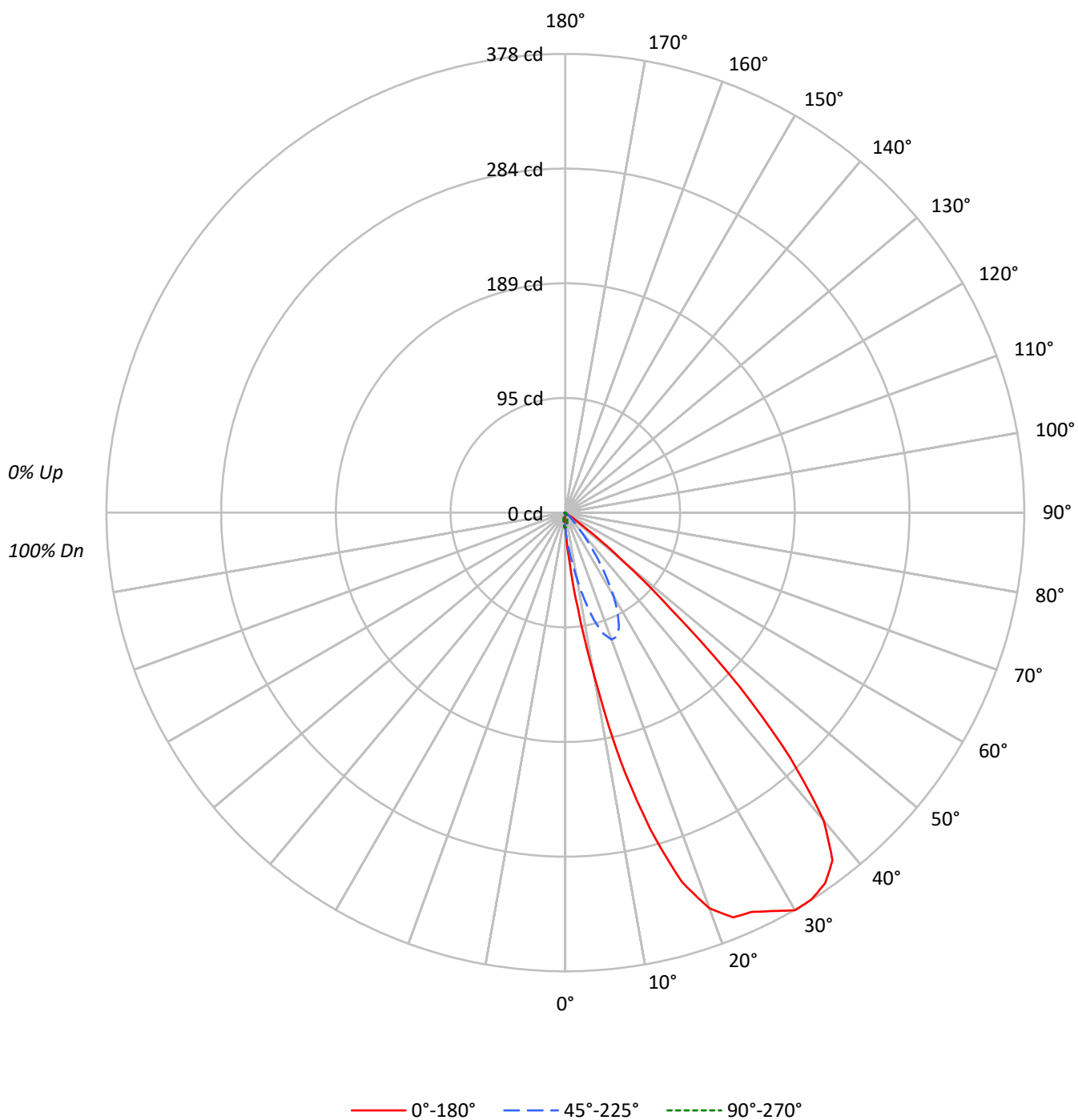
Lumens per Lamp: N/A
Luminaire Lumens: 118.9 lumens
Efficiency: N/A
Efficacy: 33.0 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	75		
4	93	84	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	63	58	68	62	57	66	61	57	65	60	56	55		
7	76	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	51	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°	2741	2741	2741	2741	2741
5°	9333	6075	2553	1079	792
10°	30037	12291	2026	401	267
15°	61204	20863	1430	136	91
20°	80950	25972	933	47	47
25°	87828	25260	508	24	48
30°	95812	20130	228	25	51
35°	99822	12528	54	27	54
40°	94720	5467	29	57	86
45°	63231	2202	31	93	155
50°	21219	375	68	136	205
55°	1185	38	76	191	268
60°	88	44	132	219	307
65°	104	52	156	259	363
70°	64	64	192	321	385
75°	85	85	254	339	424
80°	0	126	379	379	379
85°	0	252	755	252	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63231 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	1.8
10°-20°	17.1	14.4
20°-30°	36.1	30.3
30°-40°	40.9	34.4
40°-50°	20.1	16.9
50°-60°	1.7	1.5
60°-70°	0.3	0.3
70°-80°	0.3	0.3
80°-90°	0.2	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°	55.3	46.5
0°-40°	96.3	80.9
0°-60°	118.1	99.3
0°-90°	118.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	118.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	42	28	12	5	4	7
15°	270	92	6	1	0	77
25°	363	104	2	0	0	169
35°	373	47	0	0	0	230
45°	204	7	0	0	0	151
55°	3	0	0	0	1	12
65°	0	0	0	0	1	0
75°	0	0	0	0	0	0
85°	0	0	0	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°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
2.5°	21.7	22.2	22.0	21.9	21.8	21.4	20.4	20.3	19.3	18.7	15.5
5°	42.4	41.6	41.8	40.6	39.1	37.0	35.6	32.6	30.1	27.6	18.1
7.5°	79.9	78.7	76.5	73.1	69.5	64.9	58.0	52.4	46.0	40.0	20.1
10°	134.9	134.3	131.4	122.6	114.9	102.7	91.1	78.9	67.0	55.2	21.5
12.5°	208.4	204.0	198.8	187.2	172.0	156.6	133.8	112.8	93.7	74.0	21.6
15°	269.6	266.8	259.5	244.3	226.0	203.8	176.8	148.5	119.6	91.9	20.5
17.5°	318.9	314.6	305.1	290.2	269.2	240.3	208.7	174.2	139.1	104.6	18.7
20°	346.9	344.6	337.3	322.5	299.5	268.0	232.0	191.9	151.3	111.3	16.3
22.5°	361.0	359.3	354.0	342.2	320.7	289.0	247.7	201.0	154.8	110.6	13.9
25°	363.0	362.6	358.0	349.0	331.0	299.6	254.6	202.7	151.9	104.4	11.5
27.5°	370.0	368.5	363.1	354.1	336.1	301.5	252.2	196.9	142.6	93.5	9.6
30°	378.4	377.3	371.8	362.6	341.2	299.7	243.9	183.8	127.8	79.5	7.2
32.5°	377.7	377.3	372.7	362.9	337.6	289.7	229.0	164.3	107.6	62.7	4.5
35°	372.9	371.4	365.7	350.5	316.8	263.9	200.8	137.8	85.1	46.8	2.9
37.5°	361.4	358.2	348.5	322.7	279.8	224.0	163.5	106.4	60.2	31.3	1.8
40°	330.9	326.9	307.3	276.2	231.3	176.5	121.7	73.2	39.7	19.1	0.7
42.5°	274.5	266.3	246.8	214.8	172.6	124.8	79.9	47.4	23.4	11.5	0.2
45°	203.9	197.6	177.1	148.2	113.1	80.0	48.4	25.6	12.9	7.1	0.1
47.5°	118.8	114.9	104.4	85.4	62.5	42.0	24.8	13.8	7.6	3.4	0.1
50°	62.2	57.4	49.4	37.4	27.6	19.3	12.1	7.4	3.7	1.1	0.1
52.5°	21.8	21.5	19.5	14.7	12.0	8.7	5.9	3.2	1.1	0.2	0.1
55°	3.1	3.1	2.9	3.2	3.4	3.1	2.0	0.9	0.2	0.1	0.1
57.5°	0.2	0.2	0.2	0.3	0.4	0.4	0.3	0.1	0.1	0.1	0.2
60°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
62.5°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
65°	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
77.5°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
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°	12.5	12.5	12.5	12.5	12.5
2.5°	12.4	9.9	7.9	6.9	6.6
5°	11.6	7.5	4.9	3.8	3.6
7.5°	10.4	5.3	3.0	2.1	2.0
10°	9.1	3.8	1.8	1.3	1.2
12.5°	7.6	2.7	1.2	0.7	0.6
15°	6.3	1.8	0.6	0.5	0.4
17.5°	5.0	1.2	0.4	0.3	0.4
20°	4.0	0.7	0.2	0.2	0.2
22.5°	3.0	0.4	0.2	0.2	0.2
25°	2.1	0.2	0.1	0.1	0.2
27.5°	1.5	0.1	0.1	0.1	0.2
30°	0.9	0.1	0.1	0.1	0.2
32.5°	0.4	0.1	0.1	0.2	0.2
35°	0.2	0.1	0.1	0.2	0.2
37.5°	0.1	0.1	0.1	0.2	0.3
40°	0.1	0.1	0.2	0.3	0.3
42.5°	0.1	0.1	0.2	0.3	0.4
45°	0.1	0.2	0.3	0.4	0.5
47.5°	0.2	0.2	0.4	0.5	0.6
50°	0.2	0.3	0.4	0.6	0.6
52.5°	0.2	0.3	0.5	0.6	0.7
55°	0.2	0.4	0.5	0.7	0.7
57.5°	0.3	0.4	0.5	0.7	0.7
60°	0.3	0.4	0.5	0.7	0.7
62.5°	0.3	0.4	0.5	0.7	0.7
65°	0.3	0.4	0.5	0.7	0.7
67.5°	0.3	0.4	0.5	0.6	0.7
70°	0.3	0.4	0.5	0.6	0.6
72.5°	0.4	0.4	0.5	0.6	0.6
75°	0.3	0.4	0.4	0.5	0.5
77.5°	0.3	0.3	0.3	0.4	0.4
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.2	0.2	0.3	0.3
85°	0.3	0.2	0.1	0.2	0.2
87.5°	0.2	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)