

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: P1335326

Luminaire Tested: P3A02R359030DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335326
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: P3A02R359030DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

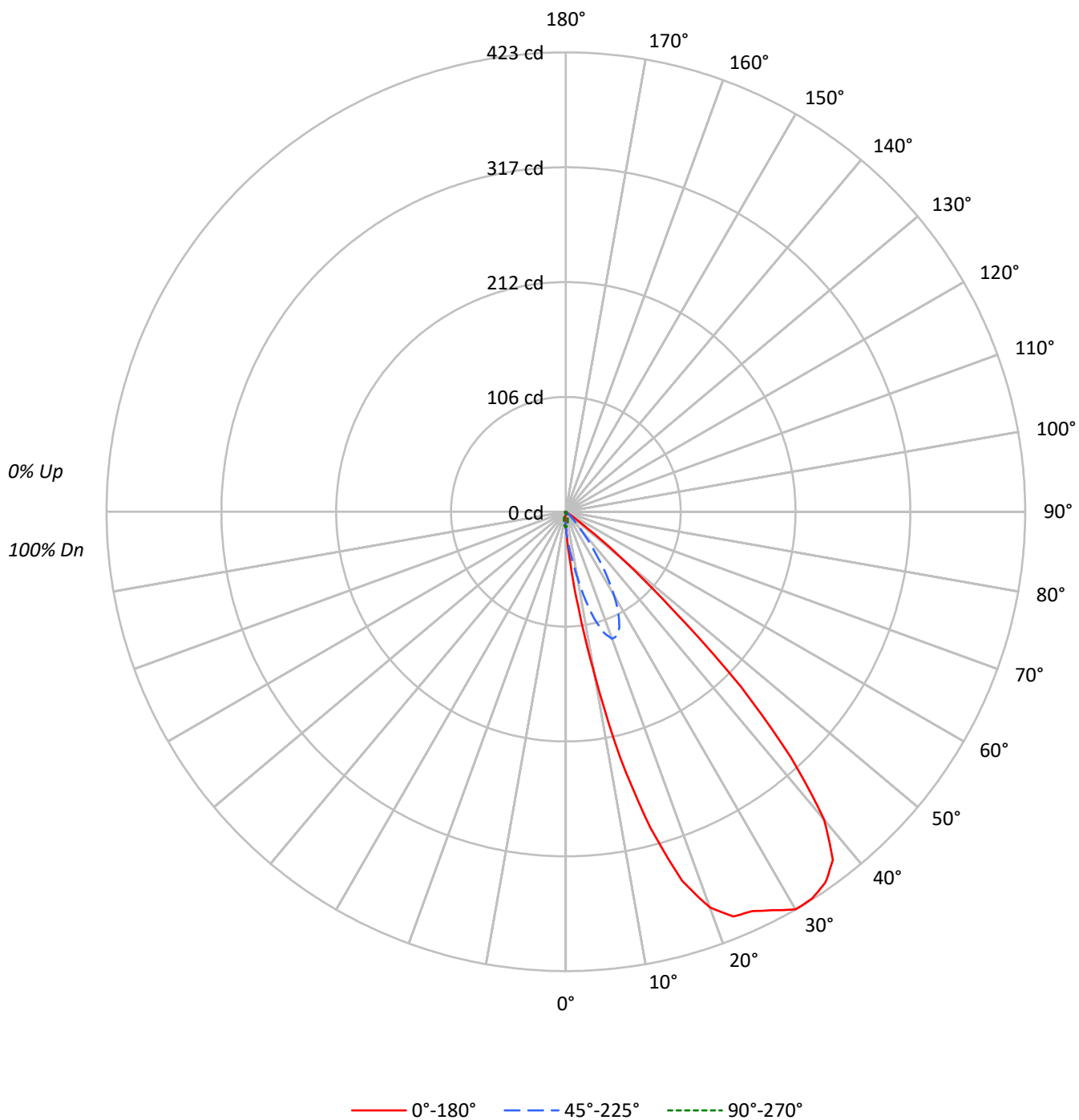
Lumens per Lamp: N/A
Luminaire Lumens: 133.0 lumens
Efficiency: N/A
Efficacy: 36.9 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	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°	3070	3070	3070	3070	3070
5°	10434	6780	2862	1211	902
10°	33578	13738	2249	445	289
15°	68400	23315	1589	159	114
20°	90471	29029	1027	47	47
25°	98159	28211	581	24	48
30°	107080	22484	253	25	51
35°	111574	14000	54	27	54
40°	105884	6126	29	57	115
45°	70674	2450	31	124	186
50°	23709	409	68	171	239
55°	1338	38	76	229	306
60°	88	44	175	263	351
65°	104	52	208	311	415
70°	64	64	256	385	449
75°	85	85	339	424	508
80°	0	126	505	505	505
85°	0	252	1006	252	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 70674 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	1.8
10°-20°	19.1	14.4
20°-30°	40.3	30.3
30°-40°	45.7	34.4
40°-50°	22.5	16.9
50°-60°	1.9	1.5
60°-70°	0.4	0.3
70°-80°	0.4	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°	61.8	46.5
0°-40°	107.6	80.9
0°-60°	132.0	99.3
0°-90°	133.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	133.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	47	31	13	6	4	8
15°	301	103	7	1	0	86
25°	406	117	2	0	0	189
35°	417	52	0	0	0	257
45°	228	8	0	0	1	168
55°	4	0	0	1	1	14
65°	0	0	0	1	1	0
75°	0	0	0	0	1	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°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
2.5°	24.2	24.8	24.6	24.5	24.4	23.9	22.8	22.7	21.6	20.9	17.3
5°	47.4	46.4	46.7	45.4	43.7	41.3	39.8	36.4	33.7	30.8	20.2
7.5°	89.3	88.0	85.5	81.7	77.7	72.6	64.8	58.6	51.5	44.7	22.4
10°	150.8	150.1	146.8	137.1	128.5	114.7	101.8	88.2	74.9	61.7	24.0
12.5°	232.9	228.0	222.2	209.2	192.2	175.0	149.6	126.1	104.7	82.7	24.1
15°	301.3	298.2	290.0	273.0	252.6	227.8	197.6	166.0	133.7	102.7	22.9
17.5°	356.4	351.6	341.0	324.4	300.9	268.6	233.3	194.7	155.4	116.9	20.9
20°	387.7	385.1	377.0	360.4	334.8	299.5	259.3	214.4	169.1	124.4	18.3
22.5°	403.4	401.6	395.7	382.4	358.4	322.9	276.9	224.7	173.0	123.6	15.5
25°	405.7	405.2	400.1	390.0	370.0	334.9	284.5	226.6	169.8	116.6	12.9
27.5°	413.6	411.9	405.8	395.8	375.6	336.9	281.9	220.0	159.4	104.5	10.7
30°	422.9	421.7	415.6	405.2	381.3	335.0	272.6	205.5	142.8	88.8	8.0
32.5°	422.2	421.7	416.5	405.6	377.3	323.8	256.0	183.6	120.2	70.1	5.0
35°	416.8	415.1	408.7	391.7	354.1	294.9	224.5	154.0	95.2	52.3	3.2
37.5°	403.9	400.3	389.4	360.7	312.7	250.4	182.8	118.9	67.3	35.0	2.0
40°	369.9	365.3	343.5	308.7	258.5	197.2	136.0	81.8	44.4	21.4	0.8
42.5°	306.8	297.6	275.8	240.1	192.9	139.4	89.3	53.0	26.1	12.9	0.2
45°	227.9	220.9	197.9	165.6	126.4	89.4	54.1	28.7	14.4	7.9	0.1
47.5°	132.8	128.5	116.6	95.4	69.8	46.9	27.7	15.4	8.5	3.8	0.1
50°	69.5	64.1	55.2	41.8	30.8	21.6	13.5	8.2	4.2	1.2	0.1
52.5°	24.4	24.0	21.8	16.5	13.4	9.7	6.6	3.6	1.2	0.2	0.1
55°	3.5	3.5	3.2	3.6	3.8	3.5	2.3	1.0	0.2	0.1	0.1
57.5°	0.2	0.2	0.2	0.4	0.5	0.5	0.4	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	0.4
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
77.5°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
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°	14.0	14.0	14.0	14.0	14.0
2.5°	13.8	11.1	8.8	7.8	7.4
5°	13.0	8.4	5.5	4.3	4.1
7.5°	11.6	6.0	3.3	2.4	2.3
10°	10.1	4.3	2.0	1.4	1.3
12.5°	8.5	3.0	1.3	0.8	0.7
15°	7.0	2.0	0.7	0.6	0.5
17.5°	5.6	1.3	0.5	0.4	0.5
20°	4.4	0.8	0.2	0.2	0.2
22.5°	3.3	0.5	0.2	0.2	0.2
25°	2.4	0.2	0.1	0.1	0.2
27.5°	1.7	0.1	0.1	0.1	0.2
30°	1.0	0.1	0.1	0.1	0.2
32.5°	0.5	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	0.4
40°	0.1	0.1	0.2	0.4	0.4
42.5°	0.1	0.1	0.2	0.4	0.5
45°	0.1	0.2	0.4	0.5	0.6
47.5°	0.2	0.2	0.5	0.6	0.7
50°	0.2	0.4	0.5	0.7	0.7
52.5°	0.2	0.4	0.6	0.7	0.8
55°	0.2	0.5	0.6	0.8	0.8
57.5°	0.4	0.5	0.6	0.8	0.8
60°	0.4	0.5	0.6	0.8	0.8
62.5°	0.4	0.5	0.6	0.8	0.8
65°	0.4	0.5	0.6	0.8	0.8
67.5°	0.4	0.5	0.6	0.7	0.8
70°	0.4	0.5	0.6	0.7	0.7
72.5°	0.5	0.5	0.6	0.7	0.7
75°	0.4	0.5	0.5	0.6	0.6
77.5°	0.4	0.4	0.4	0.5	0.5
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.2	0.2	0.4	0.4
85°	0.4	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)