

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: P1335470

Luminaire Tested: P3A02R359830DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335470
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: P3A02R359830DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

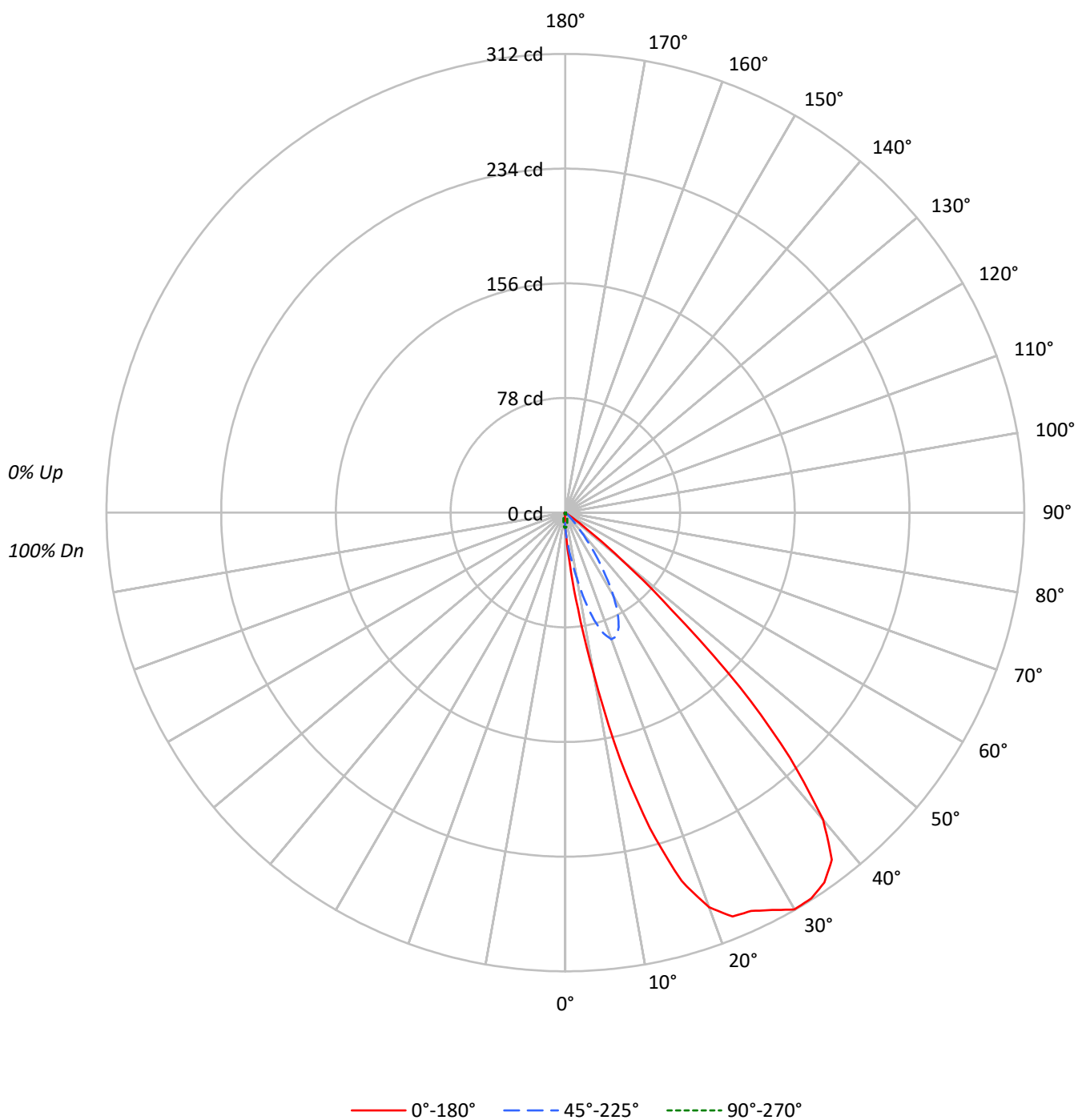
Lumens per Lamp: N/A
Luminaire Lumens: 98.1 lumens
Efficiency: N/A
Efficacy: 27.2 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	93	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	84	84	83
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	76	76	74
4	92	83	77	72	90	82	76	71	80	75	71	78	73	70	76	72	69	69	69	67
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	62	62	60
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	56	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	51	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	46	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	42	42	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	38	38	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2259	2259	2259	2259	2259
5°	7682	4997	2113	880	660
10°	24738	10131	1670	334	223
15°	50398	17185	1180	114	91
20°	66646	21399	770	47	47
25°	72319	20783	436	24	48
30°	78898	16585	177	25	51
35°	82208	10306	54	27	54
40°	78003	4494	29	57	86
45°	52067	1799	31	93	124
50°	17466	307	68	136	171
55°	994	38	76	153	229
60°	88	44	132	175	263
65°	104	52	156	208	311
70°	64	64	192	256	321
75°	85	85	254	339	339
80°	0	126	379	379	379
85°	0	252	755	252	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52067 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	1.8
10°-20°	14.1	14.4
20°-30°	29.7	30.3
30°-40°	33.7	34.4
40°-50°	16.6	16.9
50°-60°	1.4	1.5
60°-70°	0.3	0.3
70°-80°	0.3	0.3
80°-90°	0.2	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°	45.6	46.5
0°-40°	79.3	80.8
0°-60°	97.3	99.2
0°-90°	98.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	98.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	35	23	10	4	3	6
15°	222	76	5	0	0	63
25°	299	86	2	0	0	139
35°	307	38	0	0	0	189
45°	168	6	0	0	0	124
55°	3	0	0	0	1	10
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°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
2.5°	17.9	18.3	18.1	18.0	17.9	17.6	16.8	16.7	15.9	15.4	12.8
5°	34.9	34.2	34.4	33.4	32.2	30.4	29.3	26.8	24.8	22.7	14.9
7.5°	65.8	64.8	63.0	60.2	57.3	53.5	47.8	43.2	37.9	32.9	16.5
10°	111.1	110.6	108.2	101.0	94.7	84.5	75.0	65.0	55.2	45.5	17.7
12.5°	171.6	168.0	163.7	154.1	141.6	129.0	110.2	92.9	77.2	61.0	17.8
15°	222.0	219.8	213.7	201.2	186.1	167.8	145.6	122.3	98.5	75.7	16.9
17.5°	262.6	259.1	251.2	239.0	221.7	197.9	171.9	143.5	114.5	86.1	15.4
20°	285.6	283.8	277.8	265.6	246.7	220.7	191.1	158.0	124.6	91.7	13.5
22.5°	297.3	295.9	291.5	281.8	264.1	238.0	204.0	165.6	127.5	91.0	11.4
25°	298.9	298.6	294.8	287.4	272.6	246.8	209.6	167.0	125.1	85.9	9.5
27.5°	304.7	303.5	299.0	291.6	276.8	248.3	207.7	162.1	117.4	77.0	7.9
30°	311.6	310.7	306.2	298.6	281.0	246.8	200.8	151.4	105.2	65.5	5.9
32.5°	311.1	310.7	306.9	298.8	278.0	238.6	188.6	135.3	88.6	51.6	3.7
35°	307.1	305.9	301.1	288.6	260.9	217.3	165.4	113.5	70.1	38.5	2.4
37.5°	297.6	295.0	287.0	265.8	230.4	184.5	134.7	87.6	49.6	25.8	1.5
40°	272.5	269.2	253.1	227.5	190.5	145.3	100.2	60.3	32.7	15.7	0.6
42.5°	226.1	219.3	203.2	176.9	142.2	102.8	65.8	39.1	19.3	9.5	0.2
45°	167.9	162.7	145.9	122.0	93.2	65.9	39.9	21.1	10.6	5.8	0.1
47.5°	97.8	94.7	85.9	70.3	51.5	34.6	20.4	11.3	6.2	2.8	0.1
50°	51.2	47.2	40.6	30.8	22.7	15.9	9.9	6.1	3.1	0.9	0.1
52.5°	17.9	17.7	16.1	12.1	9.9	7.1	4.8	2.6	0.9	0.2	0.1
55°	2.6	2.6	2.4	2.6	2.8	2.6	1.7	0.7	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°	10.3	10.3	10.3	10.3	10.3
2.5°	10.2	8.2	6.5	5.7	5.5
5°	9.6	6.2	4.0	3.2	3.0
7.5°	8.5	4.4	2.5	1.8	1.7
10°	7.5	3.2	1.5	1.1	1.0
12.5°	6.2	2.2	1.0	0.6	0.5
15°	5.2	1.5	0.5	0.4	0.4
17.5°	4.1	1.0	0.4	0.3	0.4
20°	3.3	0.6	0.2	0.2	0.2
22.5°	2.5	0.4	0.2	0.2	0.2
25°	1.8	0.2	0.1	0.1	0.2
27.5°	1.2	0.1	0.1	0.1	0.2
30°	0.7	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	0.4
47.5°	0.2	0.2	0.4	0.4	0.5
50°	0.2	0.3	0.4	0.5	0.5
52.5°	0.2	0.3	0.4	0.5	0.6
55°	0.2	0.4	0.4	0.6	0.6
57.5°	0.3	0.4	0.4	0.6	0.6
60°	0.3	0.4	0.4	0.6	0.6
62.5°	0.3	0.4	0.4	0.6	0.6
65°	0.3	0.4	0.4	0.6	0.6
67.5°	0.3	0.4	0.4	0.5	0.6
70°	0.3	0.4	0.4	0.5	0.5
72.5°	0.4	0.4	0.4	0.5	0.5
75°	0.3	0.4	0.4	0.4	0.4
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)