

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: P1335374

Luminaire Tested: P3A02R359050DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335374
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: P3A02R359050DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

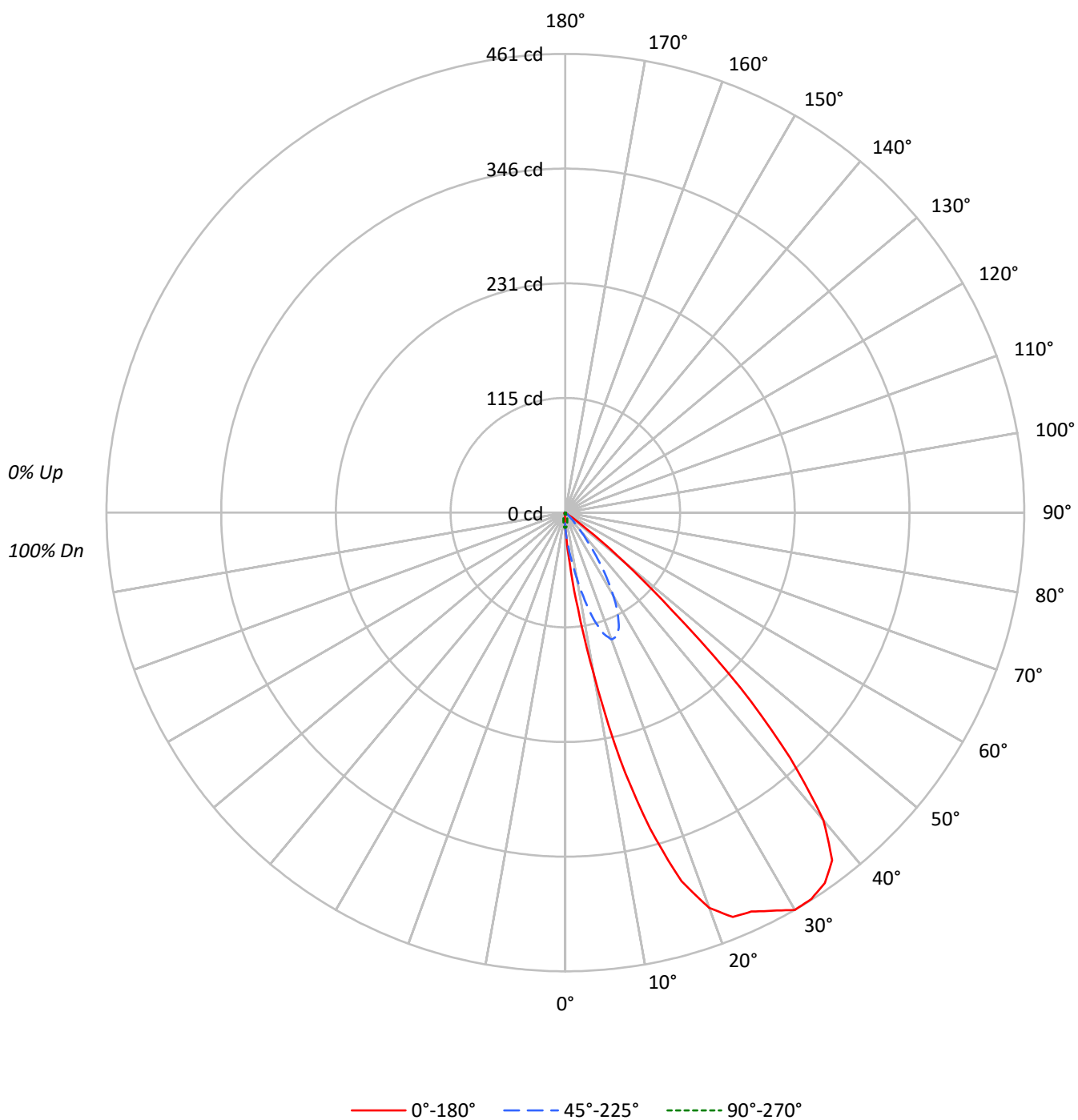
Lumens per Lamp: N/A
Luminaire Lumens: 145.0 lumens
Efficiency: N/A
Efficacy: 40.3 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	50	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°	3333	3333	3333	3333	3333
5°	11380	7396	3126	1321	969
10°	36606	14985	2472	490	312
15°	74575	25403	1748	182	114
20°	98615	31643	1120	70	70
25°	107014	30776	629	24	73
30°	116727	24510	253	25	76
35°	121639	15258	80	27	80
40°	115416	6670	29	86	115
45°	77062	2667	31	124	217
50°	25858	443	102	171	273
55°	1453	38	115	268	344
60°	132	44	175	307	395
65°	156	52	208	363	467
70°	64	64	256	449	513
75°	85	85	339	424	593
80°	0	126	505	505	505
85°	0	252	1006	252	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 77062 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	1.8
10°-20°	20.8	14.4
20°-30°	44.0	30.3
30°-40°	49.9	34.4
40°-50°	24.5	16.9
50°-60°	2.1	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°	67.4	46.5
0°-40°	117.3	80.9
0°-60°	144.0	99.3
0°-90°	145.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	145.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	15	15	15	15	15	
5°	52	34	14	6	4	9
15°	328	112	8	1	0	93
25°	442	127	3	0	0	206
35°	454	57	0	0	0	280
45°	248	9	0	0	1	184
55°	4	0	0	1	1	15
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°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
2.5°	26.4	27.1	26.8	26.7	26.6	26.0	24.9	24.7	23.6	22.8	18.9
5°	51.7	50.6	50.9	49.5	47.6	45.0	43.3	39.7	36.7	33.6	22.0
7.5°	97.4	95.9	93.2	89.0	84.7	79.1	70.7	63.9	56.1	48.7	24.5
10°	164.4	163.6	160.1	149.4	140.1	125.1	111.0	96.2	81.6	67.3	26.2
12.5°	253.9	248.6	242.2	228.0	209.6	190.8	163.1	137.5	114.2	90.2	26.3
15°	328.5	325.1	316.2	297.7	275.4	248.3	215.4	180.9	145.8	111.9	25.0
17.5°	388.5	383.3	371.7	353.6	328.0	292.9	254.3	212.3	169.5	127.4	22.8
20°	422.6	419.9	411.0	393.0	365.0	326.6	282.7	233.8	184.3	135.6	19.9
22.5°	439.8	437.9	431.4	416.9	390.7	352.1	301.8	245.0	188.6	134.7	16.9
25°	442.3	441.8	436.2	425.2	403.4	365.1	310.2	247.0	185.1	127.2	14.1
27.5°	450.9	449.1	442.4	431.5	409.5	367.3	307.3	239.9	173.8	113.9	11.7
30°	461.0	459.7	453.1	441.8	415.7	365.2	297.2	224.0	155.7	96.8	8.7
32.5°	460.2	459.7	454.1	442.2	411.3	353.0	279.1	200.2	131.1	76.4	5.5
35°	454.4	452.6	445.5	427.1	386.1	321.5	244.7	167.9	103.7	57.0	3.5
37.5°	440.3	436.4	424.6	393.2	340.9	272.9	199.3	129.6	73.4	38.1	2.2
40°	403.2	398.3	374.5	336.6	281.8	215.0	148.3	89.2	48.4	23.3	0.9
42.5°	334.5	324.5	300.7	261.8	210.3	152.0	97.4	57.8	28.5	14.1	0.3
45°	248.5	240.8	215.8	180.5	137.8	97.5	59.0	31.2	15.7	8.6	0.1
47.5°	144.7	140.1	127.2	104.0	76.1	51.2	30.2	16.8	9.2	4.2	0.1
50°	75.8	69.9	60.1	45.6	33.6	23.6	14.7	9.0	4.6	1.3	0.1
52.5°	26.6	26.2	23.8	18.0	14.6	10.5	7.2	3.9	1.3	0.3	0.1
55°	3.8	3.8	3.5	3.9	4.2	3.8	2.5	1.0	0.3	0.1	0.1
57.5°	0.3	0.3	0.3	0.4	0.5	0.5	0.4	0.1	0.1	0.1	0.3
60°	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
62.5°	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
65°	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
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	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	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):

	90°	112.5°	135°	157.5°	180°
0°	15.2	15.2	15.2	15.2	15.2
2.5°	15.1	12.1	9.6	8.5	8.1
5°	14.2	9.1	6.0	4.7	4.4
7.5°	12.6	6.5	3.6	2.6	2.5
10°	11.1	4.7	2.2	1.6	1.4
12.5°	9.2	3.3	1.4	0.9	0.8
15°	7.7	2.2	0.8	0.7	0.5
17.5°	6.1	1.4	0.5	0.4	0.5
20°	4.8	0.9	0.3	0.3	0.3
22.5°	3.6	0.5	0.3	0.3	0.3
25°	2.6	0.3	0.1	0.1	0.3
27.5°	1.8	0.1	0.1	0.1	0.3
30°	1.0	0.1	0.1	0.1	0.3
32.5°	0.5	0.1	0.1	0.3	0.3
35°	0.3	0.1	0.1	0.3	0.3
37.5°	0.1	0.1	0.1	0.3	0.4
40°	0.1	0.1	0.3	0.4	0.4
42.5°	0.1	0.1	0.3	0.4	0.5
45°	0.1	0.3	0.4	0.5	0.7
47.5°	0.3	0.3	0.5	0.7	0.8
50°	0.3	0.4	0.5	0.8	0.8
52.5°	0.3	0.4	0.7	0.8	0.9
55°	0.3	0.5	0.7	0.9	0.9
57.5°	0.4	0.5	0.7	0.9	0.9
60°	0.4	0.5	0.7	0.9	0.9
62.5°	0.4	0.5	0.7	0.9	0.9
65°	0.4	0.5	0.7	0.9	0.9
67.5°	0.4	0.5	0.7	0.8	0.9
70°	0.4	0.5	0.7	0.8	0.8
72.5°	0.5	0.5	0.7	0.8	0.8
75°	0.4	0.5	0.5	0.7	0.7
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	0.3	0.3	0.4	0.4
85°	0.4	0.3	0.1	0.3	0.3
87.5°	0.3	0.3	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)