

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: P1335118

Luminaire Tested: P3A02R309827DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335118
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: P3A02R309827DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

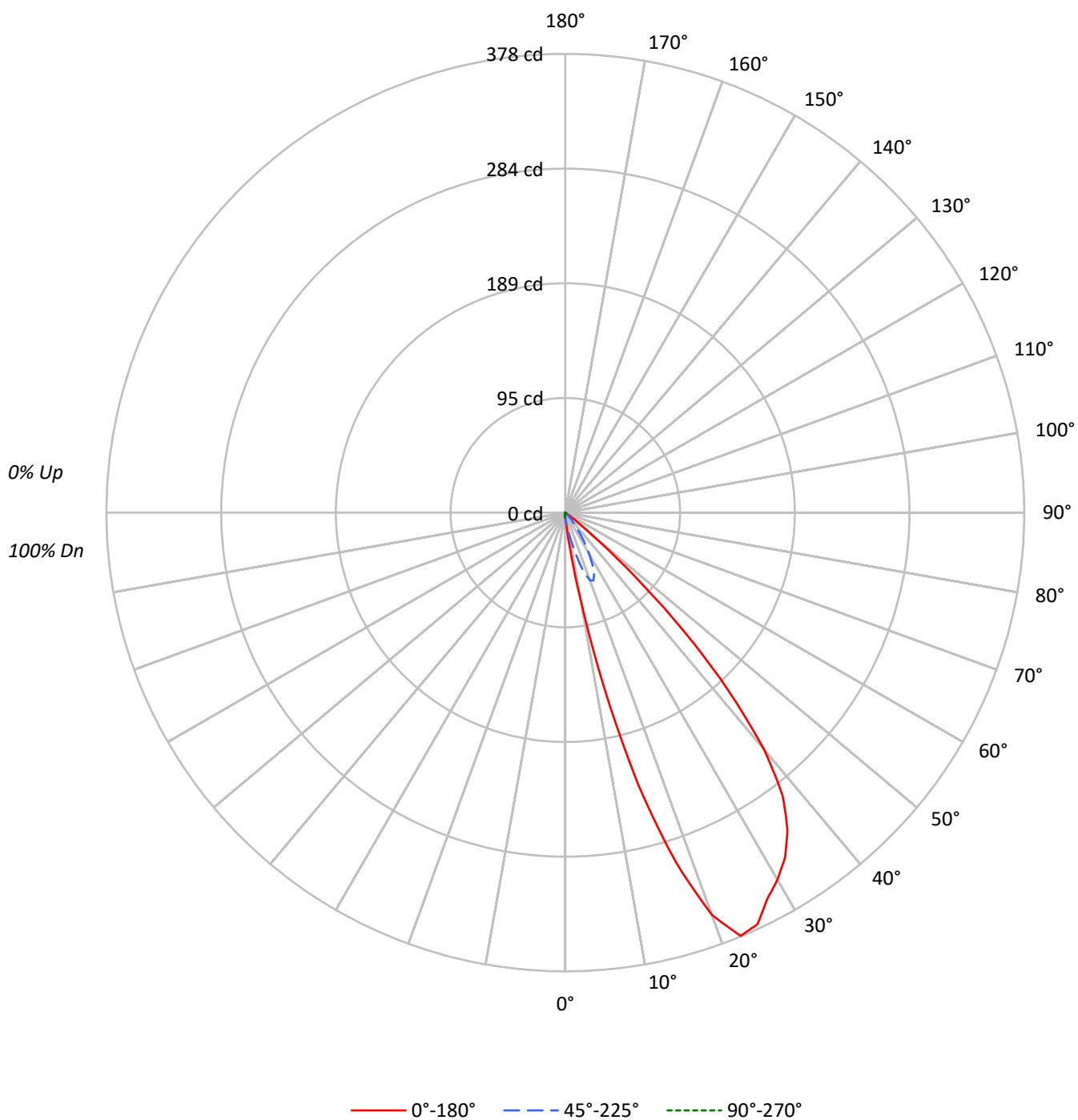
Lumens per Lamp: N/A
Luminaire Lumens: 89.0 lumens
Efficiency: N/A
Efficacy: 24.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	53	63	57	52		61	56	52		60
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56
9	67	55	48	43	65	55	48	43	53	47	43		52	47	43		52
10	62	51	44	39	61	50	44	39	49	43	39		49	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	921	921	921	921	921
5°	2796	1871	880	396	330
10°	16165	3941	690	178	134
15°	52600	8944	477	45	23
20°	82304	13861	303	0	0
25°	90562	13549	169	0	0
30°	88444	9748	51	0	0
35°	85367	5541	27	0	0
40°	72794	2347	0	0	0
45°	42733	868	31	0	31
50°	10371	171	34	34	68
55°	918	0	76	76	115
60°	44	0	88	88	175
65°	52	52	104	104	208
70°	64	64	128	128	192
75°	0	85	169	169	169
80°	0	126	253	253	253
85°	0	252	503	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42733 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.9
10°-20°	12.2	13.7
20°-30°	31.1	34.9
30°-40°	31.0	34.8
40°-50°	12.6	14.1
50°-60°	0.9	1.0
60°-70°	0.2	0.2
70°-80°	0.2	0.2
80°-90°	0.1	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°	44.1	49.5
0°-40°	75.1	84.4
0°-60°	88.5	99.4
0°-90°	89.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	89.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4	4	4	4	4	
5°	13	8	4	2	2	3
15°	232	39	2	0	0	67
25°	374	56	1	0	0	169
35°	319	21	0	0	0	195
45°	138	3	0	0	0	105
55°	2	0	0	0	0	6
65°	0	0	0	0	0	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°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2.5°	7.0	7.1	7.1	6.9	6.8	6.8	6.6	6.5	6.3	6.0	5.2
5°	12.7	12.4	12.1	12.1	11.4	11.0	10.4	9.8	9.3	8.5	6.0
7.5°	28.8	26.8	26.3	25.5	22.8	20.6	18.1	15.9	13.8	12.1	6.7
10°	72.6	68.8	65.6	59.2	51.2	43.4	36.3	28.0	22.3	17.7	7.2
12.5°	146.3	141.2	135.1	123.4	108.3	89.1	72.0	53.8	37.7	26.1	7.3
15°	231.7	223.0	213.5	198.6	174.0	146.3	115.5	86.4	60.6	39.4	7.2
17.5°	301.3	297.9	283.8	263.5	233.3	197.7	159.7	120.0	81.7	51.6	6.7
20°	352.7	350.4	333.4	311.7	277.7	236.9	188.7	141.0	96.5	59.4	5.9
22.5°	377.5	377.1	364.8	342.7	306.7	260.4	207.3	153.1	101.0	60.4	5.0
25°	374.3	375.7	368.7	352.3	317.7	270.1	212.8	153.1	97.7	56.0	4.1
27.5°	359.5	360.4	356.0	343.4	311.2	263.1	205.1	143.3	88.0	48.1	3.4
30°	349.3	349.7	344.3	330.8	296.6	247.1	186.9	125.1	73.4	38.5	2.5
32.5°	336.9	336.9	330.5	315.1	277.4	224.8	163.8	103.4	56.4	29.3	1.5
35°	318.9	316.8	308.2	290.4	248.8	194.7	134.3	78.7	40.6	20.7	0.9
37.5°	294.1	288.8	276.6	252.8	208.6	152.6	99.5	55.3	27.7	13.7	0.6
40°	254.3	248.7	232.1	203.2	157.8	109.9	67.1	36.0	17.5	8.2	0.3
42.5°	199.4	195.6	173.2	144.4	104.2	70.1	40.3	21.3	9.8	4.7	0.1
45°	137.8	132.8	115.2	90.8	62.5	38.9	22.6	11.1	5.6	2.8	0.0
47.5°	76.0	69.9	59.8	47.0	31.5	20.4	11.4	6.0	3.2	1.4	0.0
50°	30.4	30.2	24.0	17.1	12.0	9.3	5.7	3.3	1.6	0.5	0.1
52.5°	10.7	10.7	9.2	7.5	5.9	4.2	2.8	1.5	0.6	0.2	0.1
55°	2.4	2.6	2.4	2.3	2.2	1.9	1.2	0.6	0.2	0.0	0.1
57.5°	0.2	0.2	0.2	0.3	0.4	0.4	0.3	0.2	0.0	0.0	0.1
60°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2
62.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2
65°	0.1	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	0.2
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
75°	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.2
77.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.1	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	0.0	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°	4.2	4.2	4.2	4.2	4.2
2.5°	4.2	3.3	2.8	2.4	2.4
5°	4.0	2.5	1.8	1.5	1.5
7.5°	3.6	1.9	1.2	1.0	0.9
10°	3.1	1.4	0.8	0.6	0.6
12.5°	2.6	1.1	0.5	0.2	0.2
15°	2.1	0.7	0.2	0.1	0.1
17.5°	1.6	0.4	0.0	0.0	0.0
20°	1.3	0.2	0.0	0.0	0.0
22.5°	1.0	0.1	0.0	0.0	0.0
25°	0.7	0.0	0.0	0.0	0.0
27.5°	0.4	0.0	0.0	0.0	0.0
30°	0.2	0.0	0.0	0.0	0.0
32.5°	0.1	0.0	0.0	0.0	0.0
35°	0.1	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°	0.1	0.0	0.0	0.1	0.1
47.5°	0.1	0.1	0.1	0.2	0.2
50°	0.1	0.1	0.1	0.2	0.2
52.5°	0.2	0.1	0.2	0.2	0.2
55°	0.2	0.2	0.2	0.3	0.3
57.5°	0.2	0.2	0.2	0.3	0.3
60°	0.2	0.2	0.2	0.3	0.4
62.5°	0.2	0.2	0.2	0.3	0.3
65°	0.2	0.2	0.2	0.3	0.4
67.5°	0.2	0.2	0.2	0.3	0.4
70°	0.2	0.2	0.2	0.3	0.3
72.5°	0.3	0.2	0.2	0.3	0.3
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.1	0.1	0.1
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)