

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: P1335022

Luminaire Tested: P3A02R309040DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335022
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: P3A02R309040DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

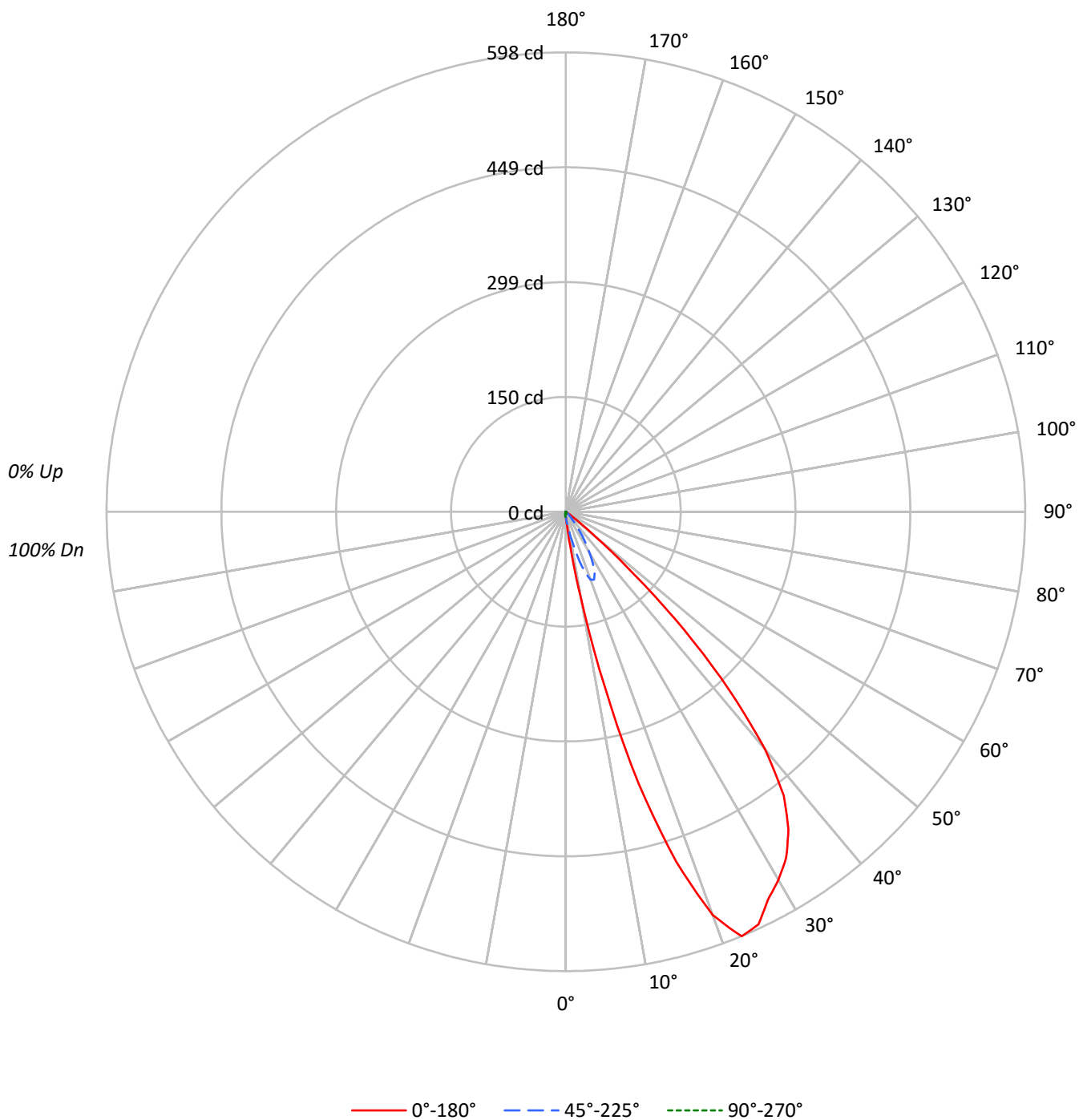
Lumens per Lamp: N/A
Luminaire Lumens: 141.0 lumens
Efficiency: N/A
Efficacy: 39.2 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.49 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1469	1469	1469	1469	1469
5°	4424	2950	1387	616	506
10°	25629	6257	1091	289	200
15°	83338	14189	749	68	23
20°	130398	21959	490	0	0
25°	143452	21437	242	0	0
30°	140123	15471	101	0	0
35°	135238	8807	27	0	0
40°	115330	3721	0	0	0
45°	67697	1395	31	0	31
50°	16443	273	34	34	136
55°	1415	0	115	153	191
60°	44	0	132	175	263
65°	52	52	208	208	311
70°	64	64	256	256	321
75°	0	85	339	339	339
80°	0	126	505	379	379
85°	0	252	1006	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 67697 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.9
10°-20°	19.4	13.7
20°-30°	49.2	34.9
30°-40°	49.1	34.8
40°-50°	19.9	14.1
50°-60°	1.4	1.0
60°-70°	0.3	0.2
70°-80°	0.3	0.2
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°	69.9	49.5
0°-40°	118.9	84.3
0°-60°	140.2	99.4
0°-90°	141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	141.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	20	13	6	3	2	5
15°	367	62	3	0	0	107
25°	593	89	1	0	0	268
35°	505	33	0	0	0	310
45°	218	4	0	0	0	167
55°	4	0	0	0	0	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°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
2.5°	11.1	11.2	11.2	11.0	10.8	10.8	10.4	10.3	9.9	9.5	8.2
5°	20.1	19.7	19.2	19.2	18.0	17.4	16.5	15.5	14.7	13.4	9.5
7.5°	45.6	42.5	41.6	40.5	36.1	32.6	28.6	25.1	21.9	19.2	10.6
10°	115.1	109.0	104.0	93.8	81.0	68.8	57.5	44.3	35.3	28.1	11.3
12.5°	231.8	223.7	214.0	195.5	171.6	141.1	114.0	85.2	59.8	41.4	11.6
15°	367.1	353.3	338.2	314.6	275.6	231.8	183.0	137.0	96.0	62.5	11.3
17.5°	477.4	471.9	449.7	417.4	369.6	313.2	253.0	190.2	129.5	81.8	10.6
20°	558.8	555.1	528.1	493.9	440.0	375.3	298.9	223.4	152.8	94.1	9.4
22.5°	598.1	597.4	578.0	542.9	485.9	412.6	328.4	242.6	160.0	95.7	7.9
25°	592.9	595.2	584.2	558.1	503.4	427.9	337.2	242.6	154.7	88.6	6.6
27.5°	569.5	571.0	564.1	544.1	493.1	416.8	324.9	227.0	139.4	76.1	5.4
30°	553.4	554.0	545.4	524.0	469.9	391.5	296.1	198.2	116.2	61.1	4.0
32.5°	533.8	533.7	523.6	499.1	439.5	356.1	259.5	163.8	89.3	46.4	2.3
35°	505.2	502.0	488.3	460.1	394.1	308.4	212.7	124.7	64.3	32.9	1.4
37.5°	465.9	457.5	438.2	400.4	330.5	241.8	157.7	87.6	43.9	21.8	0.9
40°	402.9	394.0	367.7	321.8	250.0	174.1	106.3	57.1	27.7	13.0	0.5
42.5°	315.9	309.9	274.4	228.7	165.0	111.1	63.9	33.8	15.6	7.5	0.1
45°	218.3	210.4	182.6	143.8	99.1	61.6	35.8	17.7	8.9	4.5	0.0
47.5°	120.5	110.8	94.7	74.5	49.9	32.3	18.0	9.5	5.0	2.2	0.0
50°	48.2	47.8	38.0	27.1	19.1	14.7	9.0	5.2	2.6	0.8	0.1
52.5°	16.9	16.9	14.6	11.9	9.3	6.7	4.5	2.4	0.9	0.3	0.1
55°	3.7	4.1	3.9	3.6	3.5	3.0	1.9	0.9	0.3	0.0	0.1
57.5°	0.4	0.4	0.4	0.5	0.6	0.6	0.5	0.3	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	0.3
62.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.3
65°	0.1	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°	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.4
77.5°	0.0	0.0	0.0	0.0	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	0.0	0.1	0.1	0.1	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.1	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	0.0	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°	6.7	6.7	6.7	6.7	6.7
2.5°	6.7	5.3	4.4	3.9	3.7
5°	6.3	4.0	2.8	2.4	2.3
7.5°	5.7	3.0	1.9	1.5	1.4
10°	4.9	2.2	1.3	0.9	0.9
12.5°	4.1	1.7	0.8	0.4	0.3
15°	3.3	1.0	0.3	0.1	0.1
17.5°	2.6	0.6	0.0	0.0	0.0
20°	2.1	0.3	0.0	0.0	0.0
22.5°	1.5	0.1	0.0	0.0	0.0
25°	1.0	0.0	0.0	0.0	0.0
27.5°	0.6	0.0	0.0	0.0	0.0
30°	0.4	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	0.3	0.3
50°	0.1	0.1	0.1	0.3	0.4
52.5°	0.3	0.1	0.3	0.4	0.4
55°	0.3	0.3	0.4	0.5	0.5
57.5°	0.3	0.3	0.4	0.5	0.5
60°	0.3	0.3	0.4	0.5	0.6
62.5°	0.4	0.4	0.4	0.5	0.5
65°	0.4	0.4	0.4	0.5	0.6
67.5°	0.4	0.4	0.4	0.5	0.6
70°	0.4	0.4	0.4	0.5	0.5
72.5°	0.5	0.4	0.4	0.5	0.5
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.3	0.4	0.4
80°	0.4	0.3	0.3	0.3	0.3
82.5°	0.4	0.3	0.3	0.3	0.3
85°	0.4	0.3	0.1	0.1	0.1
87.5°	0.4	0.3	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)