

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: P1334738

Luminaire Tested: P3A02R259730DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334738
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R259730DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

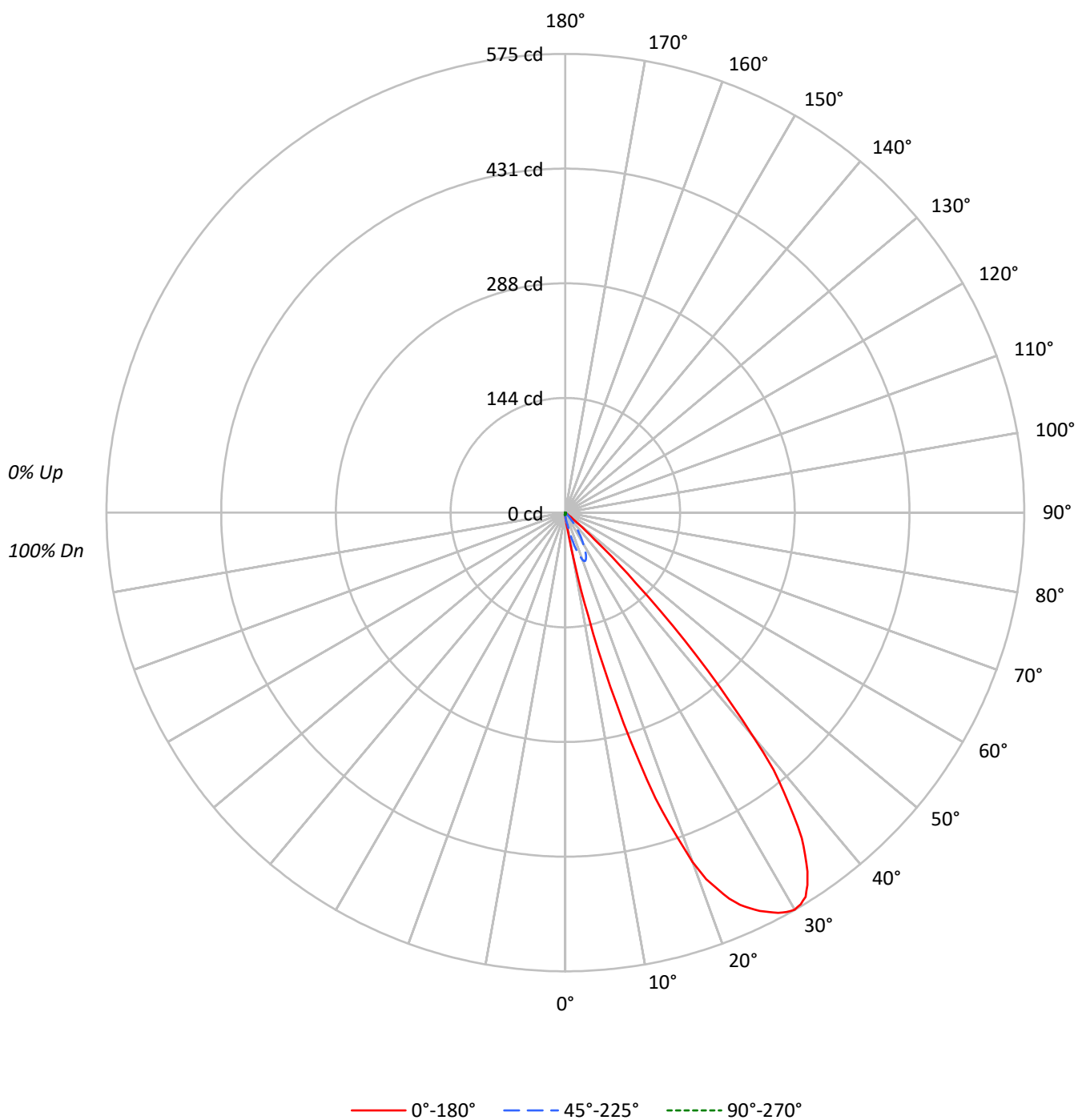
Lumens per Lamp: N/A
Luminaire Lumens: 114.9 lumens
Efficiency: N/A
Efficacy: 31.9 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.52 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1334738

CATALOG NUMBER: P3A02R259730DE010 E3A301WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1334738

CATALOG NUMBER: P3A02R259730DE010 E3A301WMH

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	104	98	94	91	95	92	89	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	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	63	58	79	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1074	1074	1074	1074	1074
5°	2707	2003	1013	528	396
10°	11868	3407	846	245	178
15°	56459	9217	590	91	68
20°	108696	14748	373	23	23
25°	132371	14880	218	0	0
30°	145541	11394	76	0	0
35°	140244	7228	27	0	0
40°	104796	3120	0	0	29
45°	38795	837	31	31	93
50°	4571	102	68	68	136
55°	459	0	76	115	191
60°	44	0	132	175	219
65°	52	52	208	259	311
70°	64	64	256	256	385
75°	85	85	254	254	339
80°	0	126	379	253	379
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38795 cd/sqm

TEST NUMBER: P1334738

CATALOG NUMBER: P3A02R259730DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.6
10°-20°	13.4	11.7
20°-30°	42.1	36.6
30°-40°	44.3	38.5
40°-50°	13.0	11.3
50°-60°	0.7	0.6
60°-70°	0.3	0.3
70°-80°	0.3	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°	56.2	48.9
0°-40°	100.5	87.5
0°-60°	114.2	99.4
0°-90°	114.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	114.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5	5	5	5	5	
5°	12	9	5	2	2	2
15°	249	41	3	0	0	78
25°	547	62	1	0	0	251
35°	524	27	0	0	0	316
45°	125	3	0	0	0	114
55°	1	0	0	0	0	3
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	

TEST NUMBER: P1334738

CATALOG NUMBER: P3A02R259730DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
2.5°	7.6	7.7	7.4	7.6	7.4	7.3	7.2	6.7	5.8	4.9	4.1
5°	12.3	12.3	11.8	11.7	11.5	11.1	10.6	9.1	6.5	4.6	3.2
7.5°	19.3	19.2	19.0	18.5	17.4	16.3	15.2	11.9	7.2	4.3	2.5
10°	53.3	52.6	51.6	45.8	39.3	33.5	28.4	15.3	7.7	3.8	1.8
12.5°	132.5	128.2	118.0	106.4	91.6	76.1	60.8	25.0	7.9	3.1	1.3
15°	248.7	239.8	223.9	200.8	170.5	136.5	107.5	40.6	7.7	2.6	1.0
17.5°	375.5	367.0	345.0	309.8	265.2	213.0	161.7	53.8	7.2	2.1	0.6
20°	465.8	456.7	436.1	398.7	350.5	280.9	212.9	63.2	6.8	1.6	0.3
21°	492.2	483.0	461.3	425.2	374.6	304.7	229.3	64.8	6.4	1.4	0.2
22°	508.9	503.5	480.2	445.2	393.6	323.8	243.3	65.6	6.2	1.3	0.2
23°	525.8	517.7	495.8	458.9	408.0	338.0	253.8	65.0	6.0	1.1	0.1
24°	538.2	531.4	506.0	469.5	418.1	346.7	259.9	63.6	5.7	1.0	0.1
25°	547.1	540.9	514.4	476.7	424.9	351.4	261.8	61.5	5.4	0.9	0.1
26°	555.6	548.8	521.4	480.9	428.4	352.9	260.0	59.1	5.0	0.8	0.0
27°	561.7	554.8	526.2	483.4	428.6	351.1	255.0	55.9	4.7	0.6	0.0
28°	568.2	560.3	529.5	484.8	427.4	346.8	248.0	52.5	4.5	0.5	0.0
29°	572.2	564.7	532.9	486.3	424.7	339.6	237.7	48.4	4.0	0.3	0.0
30°	574.8	565.9	532.6	484.7	421.1	331.9	225.3	45.0	3.4	0.3	0.0
31°	572.6	563.3	529.2	480.2	415.5	321.8	212.7	40.7	2.8	0.2	0.0
32°	568.0	557.0	523.2	472.3	405.3	308.8	199.6	37.1	2.0	0.2	0.0
33°	556.8	547.4	512.3	461.8	392.0	291.2	182.5	33.7	1.4	0.1	0.0
34°	542.6	533.3	497.5	447.7	374.1	268.5	161.8	30.2	1.2	0.1	0.0
35°	523.9	514.7	480.8	428.1	350.5	241.1	140.5	27.0	1.0	0.1	0.0
36°	504.3	492.1	459.7	407.2	318.9	210.0	117.6	23.5	0.8	0.1	0.0
37°	475.4	467.2	431.2	375.3	284.7	180.2	101.0	20.3	0.5	0.1	0.0
38°	445.5	437.9	402.8	343.2	246.5	150.6	84.5	17.2	0.4	0.0	0.0
39°	414.6	401.9	367.3	302.1	206.4	126.2	71.1	14.4	0.2	0.0	0.0
40°	366.1	356.4	319.4	252.8	170.8	102.3	60.6	10.9	0.2	0.0	0.0
42.5°	242.7	233.7	194.9	137.1	90.8	59.8	40.0	4.3	0.0	0.1	0.0
45°	125.1	119.4	97.0	71.8	51.5	36.7	25.8	2.7	0.0	0.1	0.1
47.5°	49.7	48.7	44.0	38.0	29.3	21.8	14.1	1.2	0.0	0.1	0.1
50°	13.4	13.5	12.7	11.7	10.6	10.0	5.9	0.3	0.0	0.2	0.1
52.5°	5.7	5.8	5.6	5.3	4.7	3.5	2.4	0.1	0.1	0.2	0.2
55°	1.2	1.3	1.4	1.5	1.7	1.5	1.0	0.0	0.1	0.2	0.2
57.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.0	0.1	0.2	0.3
60°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.3	0.3
62.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.4
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.4
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.4
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.3
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.2



TEST NUMBER: P1334738

CATALOG NUMBER: P3A02R259730DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	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

TEST NUMBER: P1334738

CATALOG NUMBER: P3A02R259730DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	4.9	4.9	4.9
2.5°	3.4	3.1	3.0
5°	2.4	2.0	1.8
7.5°	1.6	1.3	1.2
10°	1.1	0.9	0.8
12.5°	0.8	0.4	0.4
15°	0.4	0.3	0.3
17.5°	0.2	0.1	0.1
20°	0.1	0.1	0.1
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.1
39°	0.0	0.1	0.1
40°	0.0	0.1	0.1
42.5°	0.0	0.1	0.2
45°	0.1	0.2	0.3
47.5°	0.2	0.3	0.4
50°	0.2	0.4	0.4
52.5°	0.3	0.4	0.5
55°	0.3	0.5	0.5
57.5°	0.4	0.5	0.6
60°	0.4	0.5	0.5
62.5°	0.4	0.6	0.6
65°	0.5	0.6	0.6
67.5°	0.5	0.6	0.6
70°	0.4	0.5	0.6
72.5°	0.4	0.5	0.5
75°	0.3	0.4	0.4
77.5°	0.3	0.3	0.4
80°	0.2	0.3	0.3

TEST NUMBER: P1334738

CATALOG NUMBER: P3A02R259730DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.2	0.2	0.2
85°	0.1	0.1	0.1
87.5°	0.1	0.1	0.1
90°	0.0	0.0	0.0

(END OF REPORT)