

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: P1334834

Luminaire Tested: P3A02R259840DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334834
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: P3A02R259840DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

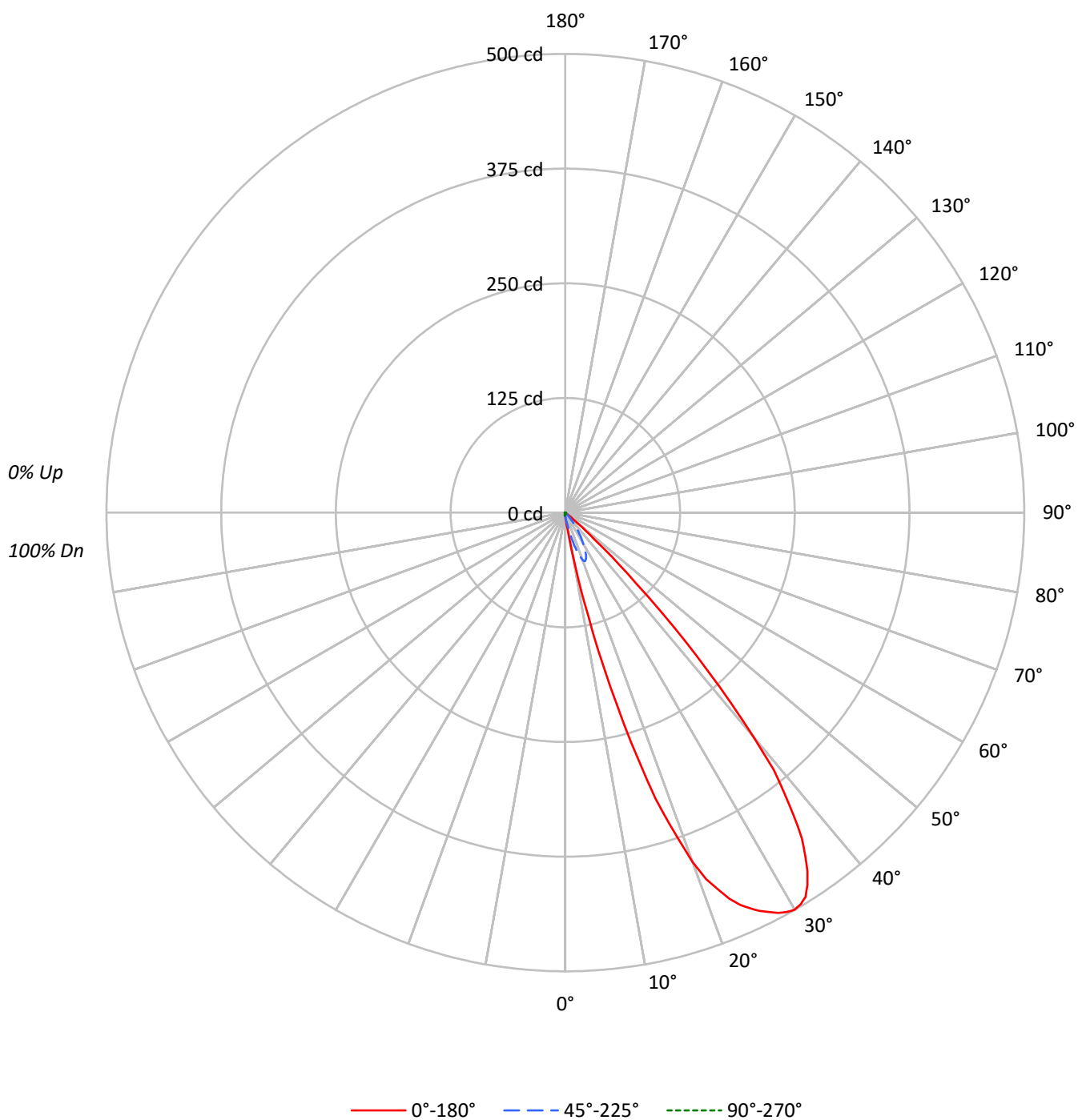
Lumens per Lamp: N/A
Luminaire Lumens: 100.1 lumens
Efficiency: N/A
Efficacy: 27.8 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1334834

CATALOG NUMBER: P3A02R259840DE010 E3A301WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1334834

CATALOG NUMBER: P3A02R259840DE010 E3A301WMH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				0
RW	70	50	30	10	70	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
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	91	103	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	51
8	71	60	52	48	69	59	52	47	58	52	47	57	51	47	56	50	47
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	943	943	943	943	943
5°	2355	1739	880	462	352
10°	10332	2961	735	200	156
15°	49104	8014	499	91	68
20°	94508	12834	327	23	23
25°	115095	12944	169	0	0
30°	126551	9900	76	0	0
35°	121961	6291	27	0	0
40°	91114	2719	0	0	29
45°	33740	713	31	31	93
50°	3991	102	68	68	136
55°	382	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: 33740 cd/sqm

TEST NUMBER: P1334834

CATALOG NUMBER: P3A02R259840DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.6
10°-20°	11.7	11.7
20°-30°	36.6	36.6
30°-40°	38.5	38.5
40°-50°	11.3	11.3
50°-60°	0.6	0.6
60°-70°	0.3	0.3
70°-80°	0.3	0.3
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°	48.9	48.8
0°-40°	87.4	87.3
0°-60°	99.3	99.3
0°-90°	100.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	100.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4	4	4	4	4	
5°	11	8	4	2	2	2
15°	216	35	2	0	0	68
25°	476	54	1	0	0	218
35°	456	24	0	0	0	275
45°	109	2	0	0	0	99
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: P1334834

CATALOG NUMBER: P3A02R259840DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	6.6	6.7	6.4	6.6	6.4	6.3	6.3	5.8	5.0	4.3	3.5
5°	10.7	10.7	10.3	10.2	10.0	9.6	9.2	7.9	5.7	4.0	2.8
7.5°	16.8	16.7	16.5	16.0	15.1	14.2	13.2	10.4	6.3	3.7	2.1
10°	46.4	45.7	44.9	39.8	34.1	29.1	24.7	13.3	6.7	3.3	1.6
12.5°	115.2	111.5	102.6	92.6	79.7	66.2	52.9	21.7	6.9	2.7	1.1
15°	216.3	208.5	194.7	174.6	148.3	118.7	93.5	35.3	6.7	2.2	0.8
17.5°	326.6	319.1	300.0	269.4	230.6	185.2	140.6	46.7	6.3	1.9	0.6
20°	405.0	397.1	379.2	346.7	304.8	244.3	185.1	55.0	5.9	1.4	0.3
21°	428.0	420.0	401.1	369.8	325.7	265.0	199.4	56.4	5.6	1.2	0.2
22°	442.5	437.9	417.5	387.1	342.2	281.6	211.6	57.0	5.4	1.1	0.2
23°	457.2	450.2	431.1	399.0	354.8	293.9	220.7	56.5	5.2	0.9	0.1
24°	468.0	462.1	440.0	408.3	363.6	301.5	226.0	55.3	4.9	0.8	0.1
25°	475.7	470.3	447.3	414.5	369.5	305.6	227.7	53.5	4.7	0.7	0.1
26°	483.1	477.2	453.4	418.2	372.6	306.9	226.1	51.4	4.4	0.7	0.0
27°	488.4	482.5	457.5	420.3	372.7	305.3	221.8	48.6	4.1	0.6	0.0
28°	494.1	487.2	460.4	421.5	371.6	301.5	215.6	45.6	3.9	0.5	0.0
29°	497.6	491.0	463.4	422.8	369.3	295.3	206.7	42.1	3.5	0.3	0.0
30°	499.8	492.1	463.1	421.4	366.2	288.6	195.9	39.1	3.0	0.3	0.0
31°	497.9	489.8	460.2	417.5	361.3	279.8	184.9	35.4	2.4	0.2	0.0
32°	493.9	484.3	454.9	410.7	352.4	268.5	173.5	32.3	1.8	0.2	0.0
33°	484.1	476.0	445.5	401.6	340.8	253.2	158.7	29.3	1.2	0.1	0.0
34°	471.8	463.7	432.6	389.3	325.3	233.4	140.7	26.2	1.0	0.1	0.0
35°	455.6	447.6	418.1	372.3	304.8	209.6	122.1	23.5	0.8	0.1	0.0
36°	438.5	427.9	399.7	354.1	277.3	182.6	102.3	20.4	0.7	0.1	0.0
37°	413.4	406.2	375.0	326.4	247.5	156.7	87.8	17.6	0.5	0.1	0.0
38°	387.4	380.8	350.3	298.5	214.3	131.0	73.5	14.9	0.4	0.0	0.0
39°	360.5	349.5	319.4	262.7	179.5	109.7	61.9	12.5	0.2	0.0	0.0
40°	318.3	309.9	277.8	219.8	148.5	88.9	52.7	9.5	0.2	0.0	0.0
42.5°	211.0	203.2	169.4	119.2	78.9	52.0	34.8	3.7	0.0	0.1	0.0
45°	108.8	103.8	84.3	62.4	44.8	31.9	22.4	2.3	0.0	0.1	0.1
47.5°	43.2	42.4	38.3	33.0	25.5	18.9	12.2	1.0	0.0	0.1	0.1
50°	11.7	11.8	11.0	10.2	9.2	8.7	5.1	0.3	0.0	0.2	0.1
52.5°	4.9	5.0	4.9	4.6	4.1	3.1	2.1	0.1	0.1	0.2	0.2
55°	1.0	1.1	1.2	1.3	1.5	1.3	0.8	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: P1334834

CATALOG NUMBER: P3A02R259840DE010 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: P1334834

CATALOG NUMBER: P3A02R259840DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	4.3	4.3	4.3
2.5°	3.0	2.7	2.6
5°	2.1	1.8	1.6
7.5°	1.4	1.1	1.0
10°	0.9	0.7	0.7
12.5°	0.7	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: P1334834

CATALOG NUMBER: P3A02R259840DE010 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)