

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: P1334959

Luminaire Tested: P3A02R309027DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334959
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: P3A02R309027DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

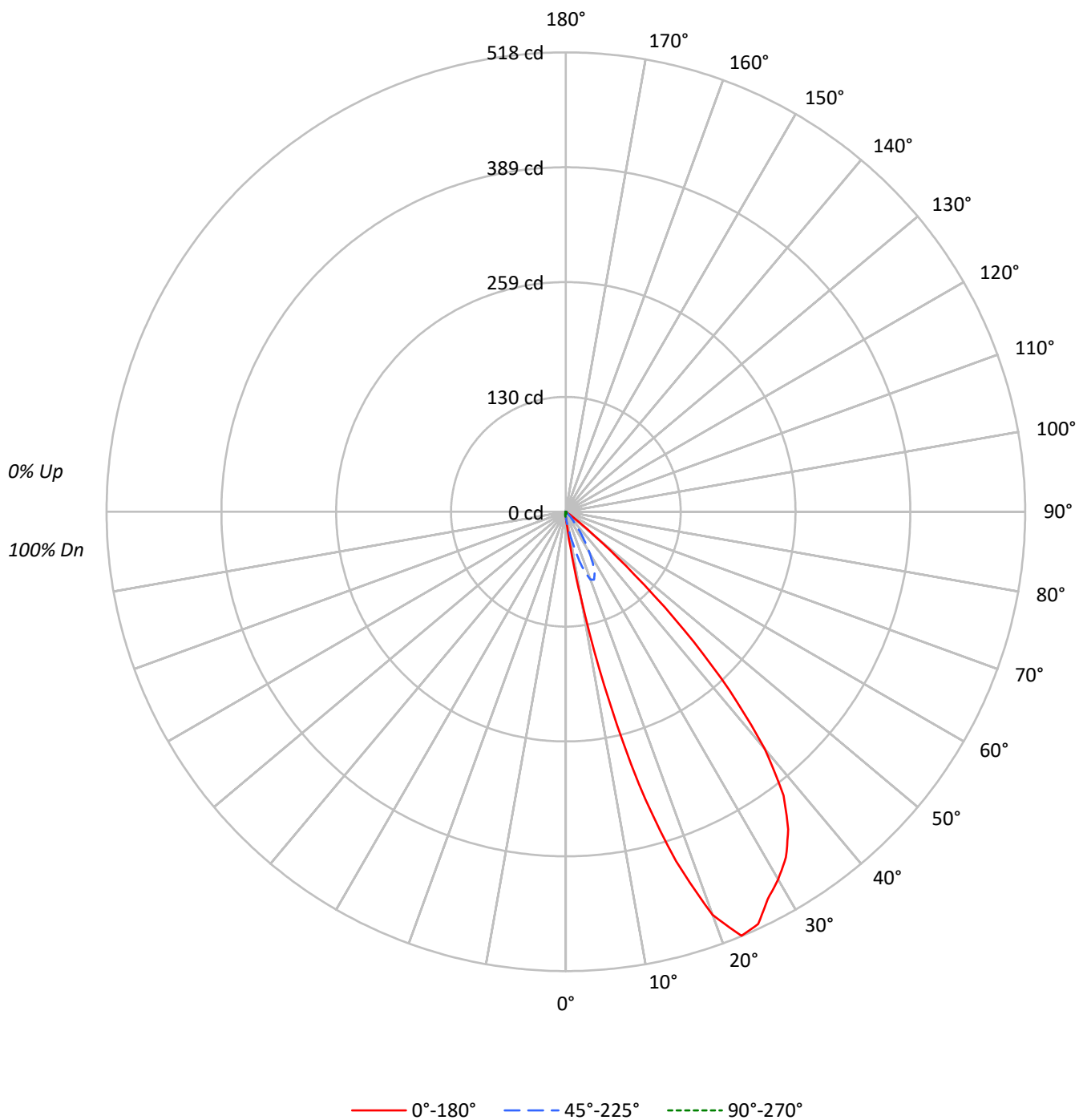
Lumens per Lamp: N/A
Luminaire Lumens: 121.9 lumens
Efficiency: N/A
Efficacy: 33.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1334959

CATALOG NUMBER: P3A02R309027DE010 E3A301WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1334959

CATALOG NUMBER: P3A02R309027DE010 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	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	43	65	55	48	43	53	47	43	53	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	50	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1272	1272	1272	1272	1272
5°	3830	2553	1211	550	440
10°	22177	5411	935	245	178
15°	72100	12282	658	45	23
20°	112826	18995	420	0	0
25°	124120	18558	218	0	0
30°	121234	13369	76	0	0
35°	117008	7602	27	0	0
40°	99787	3235	0	0	0
45°	58549	1209	31	0	31
50°	14226	239	34	34	102
55°	1223	0	76	115	153
60°	44	0	88	132	263
65°	52	52	156	156	311
70°	64	64	192	192	256
75°	0	85	254	254	254
80°	0	126	379	253	253
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 58549 cd/sqm

TEST NUMBER: P1334959

CATALOG NUMBER: P3A02R309027DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.9
10°-20°	16.8	13.8
20°-30°	42.6	35.0
30°-40°	42.5	34.8
40°-50°	17.2	14.1
50°-60°	1.2	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°	60.4	49.6
0°-40°	102.9	84.4
0°-60°	121.3	99.5
0°-90°	121.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	121.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	17	12	6	2	2	4
15°	318	54	3	0	0	92
25°	513	77	1	0	0	232
35°	437	28	0	0	0	268
45°	189	4	0	0	0	144
55°	3	0	0	0	0	8
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: P1334959

CATALOG NUMBER: P3A02R309027DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
2.5°	9.6	9.7	9.7	9.5	9.4	9.4	9.0	8.9	8.6	8.2	7.1
5°	17.4	17.1	16.6	16.6	15.6	15.0	14.3	13.4	12.7	11.6	8.2
7.5°	39.5	36.8	36.0	35.0	31.2	28.2	24.7	21.7	19.0	16.6	9.1
10°	99.6	94.3	90.0	81.2	70.1	59.5	49.7	38.3	30.5	24.3	9.8
12.5°	200.6	193.5	185.2	169.1	148.5	122.1	98.7	73.7	51.7	35.8	10.0
15°	317.6	305.7	292.6	272.2	238.5	200.6	158.3	118.5	83.1	54.1	9.8
17.5°	413.0	408.4	389.1	361.2	319.8	271.0	218.9	164.5	112.0	70.8	9.1
20°	483.5	480.3	457.0	427.3	380.7	324.7	258.6	193.3	132.2	81.4	8.1
22.5°	517.5	516.9	500.1	469.8	420.4	357.0	284.2	209.9	138.5	82.8	6.8
25°	513.0	515.0	505.5	482.9	435.6	370.2	291.7	209.9	133.9	76.7	5.7
27.5°	492.7	494.1	488.1	470.8	426.6	360.6	281.2	196.4	120.6	65.9	4.7
30°	478.8	479.4	471.9	453.4	406.6	338.8	256.2	171.5	100.6	52.8	3.5
32.5°	461.9	461.8	453.1	431.9	380.3	308.1	224.5	141.7	77.3	40.1	2.0
35°	437.1	434.3	422.5	398.1	341.0	266.9	184.1	107.9	55.6	28.4	1.2
37.5°	403.1	395.9	379.1	346.5	285.9	209.2	136.5	75.8	38.0	18.8	0.8
40°	348.6	340.9	318.2	278.5	216.3	150.6	92.0	49.4	24.0	11.3	0.4
42.5°	273.3	268.1	237.5	197.9	142.8	96.1	55.3	29.2	13.5	6.5	0.1
45°	188.8	182.0	158.0	124.4	85.7	53.3	31.0	15.3	7.7	3.9	0.0
47.5°	104.2	95.9	81.9	64.4	43.1	28.0	15.6	8.2	4.3	1.9	0.0
50°	41.7	41.4	32.9	23.4	16.5	12.7	7.8	4.5	2.2	0.7	0.1
52.5°	14.6	14.6	12.6	10.3	8.0	5.8	3.9	2.1	0.8	0.2	0.1
55°	3.2	3.6	3.3	3.1	3.0	2.6	1.7	0.8	0.2	0.0	0.1
57.5°	0.3	0.3	0.3	0.4	0.6	0.6	0.4	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	0.3
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
75°	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.3
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

TEST NUMBER: P1334959

CATALOG NUMBER: P3A02R309027DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	5.8	5.8	5.8	5.8	5.8
2.5°	5.8	4.6	3.8	3.3	3.2
5°	5.5	3.5	2.5	2.1	2.0
7.5°	4.9	2.6	1.7	1.3	1.2
10°	4.2	1.9	1.1	0.8	0.8
12.5°	3.6	1.4	0.7	0.3	0.2
15°	2.9	0.9	0.2	0.1	0.1
17.5°	2.2	0.6	0.0	0.0	0.0
20°	1.8	0.2	0.0	0.0	0.0
22.5°	1.3	0.1	0.0	0.0	0.0
25°	0.9	0.0	0.0	0.0	0.0
27.5°	0.6	0.0	0.0	0.0	0.0
30°	0.3	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	0.3
52.5°	0.2	0.1	0.2	0.3	0.3
55°	0.2	0.2	0.3	0.4	0.4
57.5°	0.2	0.2	0.3	0.4	0.4
60°	0.2	0.2	0.3	0.4	0.6
62.5°	0.3	0.3	0.3	0.4	0.4
65°	0.3	0.3	0.3	0.4	0.6
67.5°	0.3	0.3	0.3	0.4	0.6
70°	0.3	0.3	0.3	0.4	0.4
72.5°	0.4	0.3	0.3	0.4	0.4
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.2	0.3	0.3
80°	0.3	0.2	0.2	0.2	0.2
82.5°	0.3	0.2	0.2	0.2	0.2
85°	0.3	0.2	0.1	0.1	0.1
87.5°	0.3	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)