

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: P1334969

Luminaire Tested: P3A02R309030D2WDE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334969
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: P3A02R309030D2WDE010 E3A301GPH
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

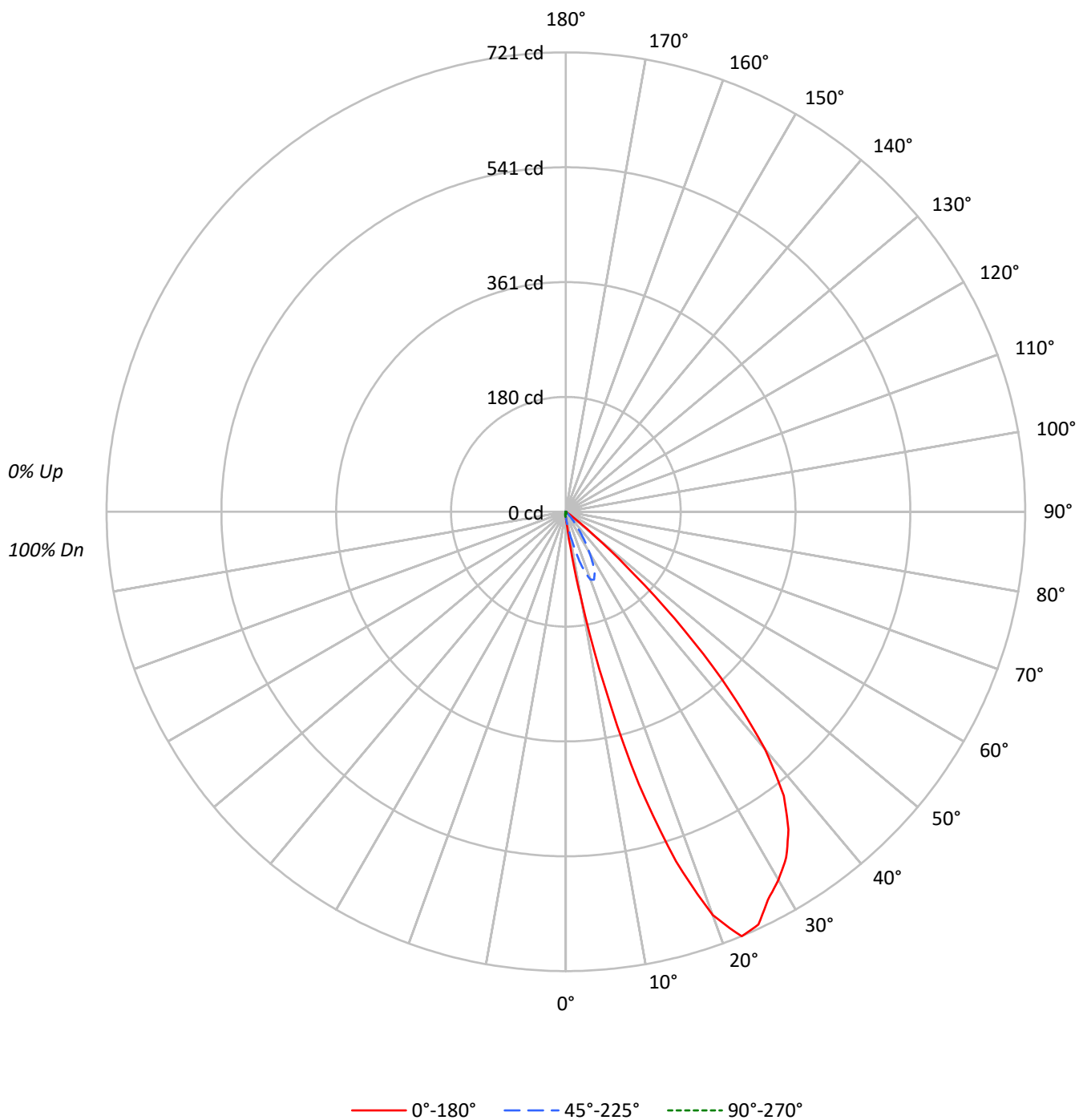
Lumens per Lamp: N/A
Luminaire Lumens: 170.1 lumens
Efficiency: N/A
Efficacy: 23.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	91	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	63	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°	1776	1776	1776	1776	1776
5°	5327	3566	1673	748	616
10°	30883	7548	1314	356	245
15°	100477	17094	908	68	45
20°	157210	26462	583	0	0
25°	172970	25864	290	0	0
30°	168937	18636	127	0	0
35°	163051	10601	54	0	0
40°	139061	4494	0	0	0
45°	81590	1675	62	0	62
50°	19820	307	68	68	171
55°	1720	0	115	191	229
60°	88	0	132	219	351
65°	104	104	259	259	415
70°	128	128	321	321	385
75°	0	169	424	424	424
80°	0	253	631	379	379
85°	0	503	1258	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 81590 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.9
10°-20°	23.4	13.7
20°-30°	59.4	34.9
30°-40°	59.2	34.8
40°-50°	24.0	14.1
50°-60°	1.7	1.0
60°-70°	0.4	0.2
70°-80°	0.4	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°	84.2	49.5
0°-40°	143.4	84.3
0°-60°	169.1	99.4
0°-90°	170.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	170.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	8	8	8	8	8	
5°	24	16	8	3	3	6
15°	443	75	4	0	0	129
25°	715	107	1	0	0	323
35°	609	40	0	0	0	373
45°	263	5	0	0	0	201
55°	4	0	0	0	1	12
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°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
2.5°	13.4	13.5	13.5	13.2	13.0	13.0	12.6	12.4	12.0	11.5	9.9
5°	24.2	23.8	23.1	23.1	21.7	21.0	19.9	18.6	17.7	16.2	11.5
7.5°	55.0	51.3	50.2	48.8	43.5	39.3	34.5	30.3	26.4	23.1	12.7
10°	138.7	131.4	125.4	113.1	97.7	83.0	69.3	53.4	42.6	33.9	13.7
12.5°	279.5	269.7	258.0	235.7	206.9	170.1	137.5	102.7	72.1	49.9	14.0
15°	442.6	425.9	407.8	379.3	332.3	279.5	220.6	165.1	115.7	75.3	13.7
17.5°	575.5	569.0	542.1	503.3	445.7	377.6	305.1	229.3	156.1	98.6	12.7
20°	673.7	669.2	636.7	595.4	530.5	452.5	360.4	269.4	184.2	113.4	11.3
22.5°	721.1	720.3	696.9	654.6	585.8	497.4	396.0	292.5	192.9	115.4	9.5
25°	714.9	717.7	704.3	672.9	606.9	515.9	406.5	292.5	186.6	106.9	7.9
27.5°	686.6	688.5	680.1	656.0	594.5	502.5	391.8	273.7	168.1	91.8	6.5
30°	667.2	668.0	657.6	631.8	566.5	472.1	357.0	238.9	140.1	73.6	4.8
32.5°	643.6	643.4	631.3	601.8	529.9	429.4	312.9	197.4	107.7	55.9	2.8
35°	609.1	605.2	588.7	554.7	475.2	371.9	256.5	150.4	77.5	39.6	1.7
37.5°	561.7	551.6	528.3	482.8	398.4	291.6	190.1	105.6	53.0	26.3	1.1
40°	485.8	475.0	443.3	388.0	301.4	209.9	128.2	68.8	33.4	15.7	0.6
42.5°	380.9	373.6	330.9	275.7	199.0	133.9	77.0	40.7	18.8	9.0	0.2
45°	263.1	253.7	220.1	173.4	119.5	74.3	43.2	21.3	10.7	5.4	0.0
47.5°	145.2	133.6	114.2	89.8	60.1	39.0	21.7	11.5	6.1	2.6	0.0
50°	58.1	57.6	45.8	32.6	23.0	17.7	10.9	6.2	3.1	0.9	0.2
52.5°	20.3	20.3	17.6	14.3	11.2	8.1	5.4	3.0	1.1	0.3	0.2
55°	4.5	5.0	4.7	4.3	4.2	3.6	2.3	1.1	0.3	0.0	0.2
57.5°	0.5	0.5	0.5	0.6	0.8	0.8	0.6	0.3	0.0	0.0	0.2
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.3
62.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.3
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
75°	0.0	0.0	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.5
77.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	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°	8.1	8.1	8.1	8.1	8.1
2.5°	8.1	6.4	5.3	4.7	4.5
5°	7.6	4.8	3.4	3.0	2.8
7.5°	6.8	3.6	2.3	1.9	1.7
10°	5.9	2.6	1.6	1.1	1.1
12.5°	5.0	2.0	0.9	0.5	0.3
15°	4.0	1.2	0.3	0.2	0.2
17.5°	3.1	0.8	0.0	0.0	0.0
20°	2.5	0.3	0.0	0.0	0.0
22.5°	1.9	0.2	0.0	0.0	0.0
25°	1.2	0.0	0.0	0.0	0.0
27.5°	0.8	0.0	0.0	0.0	0.0
30°	0.5	0.0	0.0	0.0	0.0
32.5°	0.2	0.0	0.0	0.0	0.0
35°	0.2	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°	0.2	0.0	0.0	0.2	0.2
47.5°	0.2	0.2	0.2	0.3	0.3
50°	0.2	0.2	0.2	0.3	0.5
52.5°	0.3	0.2	0.3	0.5	0.5
55°	0.3	0.3	0.5	0.6	0.6
57.5°	0.3	0.3	0.5	0.6	0.6
60°	0.3	0.3	0.5	0.6	0.8
62.5°	0.5	0.5	0.5	0.6	0.6
65°	0.5	0.5	0.5	0.6	0.8
67.5°	0.5	0.5	0.5	0.6	0.8
70°	0.5	0.5	0.5	0.6	0.6
72.5°	0.6	0.5	0.5	0.6	0.6
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.3	0.5	0.5
80°	0.5	0.3	0.3	0.3	0.3
82.5°	0.5	0.3	0.3	0.3	0.3
85°	0.5	0.3	0.2	0.2	0.2
87.5°	0.5	0.3	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)