

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: P1342381

Luminaire Tested: P3A09R409030D2WDE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1342381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R409030D2WDE010 E3A301GPH
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

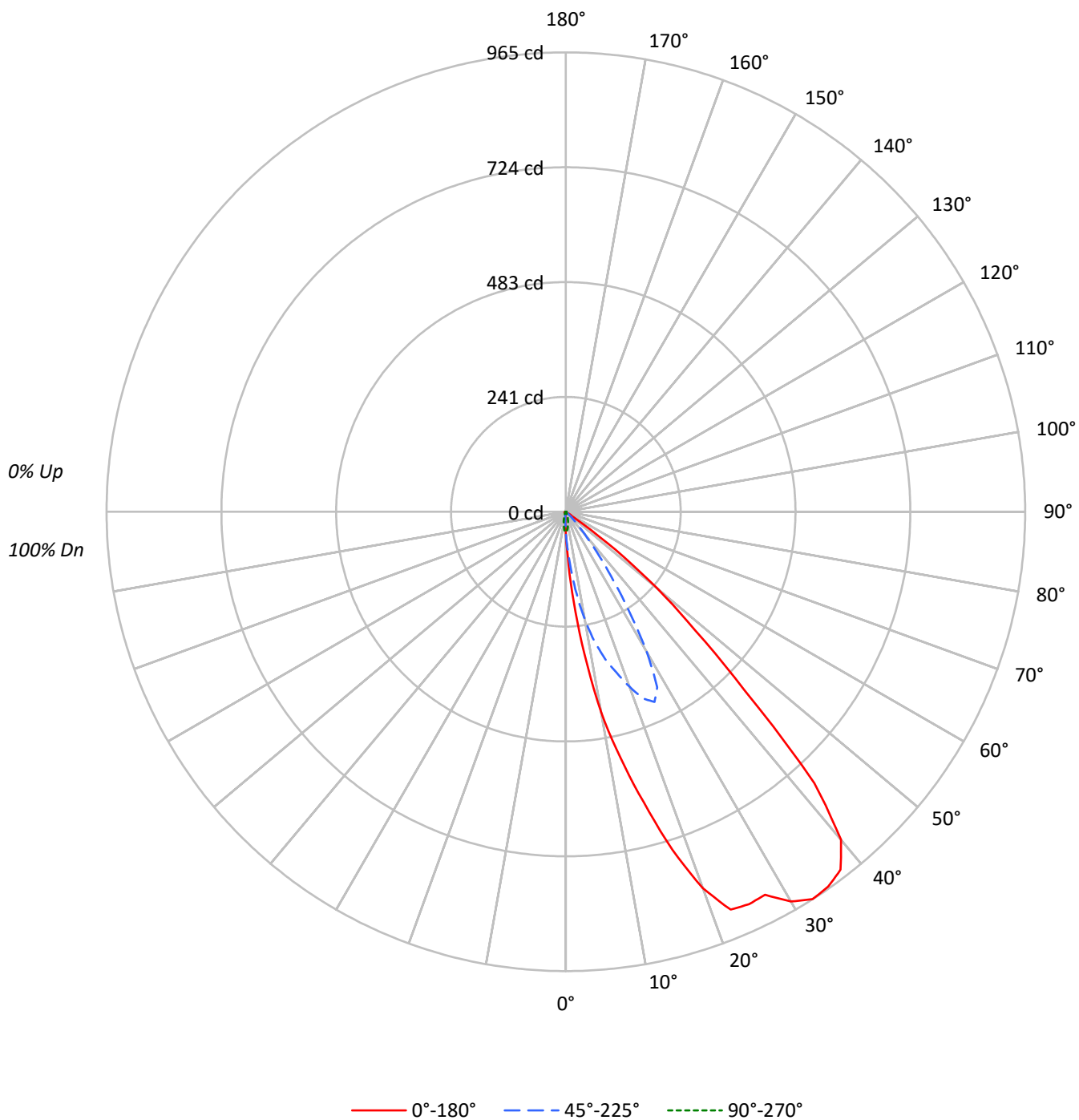
Lumens per Lamp: N/A
Luminaire Lumens: 356.0 lumens
Efficiency: N/A
Efficacy: 24.2 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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					0
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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	93	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	84	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	76	76	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	68	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	62	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	56	56	54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	51	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	46	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	42	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	38	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9232	9232	9232	9232	9232
5°	41668	26568	8276	3170	2311
10°	95545	51324	5834	1136	868
15°	143383	72804	3610	613	545
20°	196320	91288	2100	350	420
25°	220077	106651	1089	290	363
30°	239379	86089	456	228	380
35°	257252	44062	161	321	482
40°	257339	17576	86	344	601
45°	164327	5892	186	558	837
50°	85285	716	307	716	1023
55°	7378	115	344	918	1262
60°	263	132	395	1053	1447
65°	311	156	623	1090	1557
70°	192	192	769	1154	1539
75°	254	254	763	1271	1779
80°	379	379	1137	1137	1515
85°	0	755	2264	1510	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 164327 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	2.3
10°-20°	48.2	13.5
20°-30°	105.5	29.6
30°-40°	120.2	33.8
40°-50°	63.4	17.8
50°-60°	7.5	2.1
60°-70°	1.3	0.4
70°-80°	1.1	0.3
80°-90°	0.5	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°	161.9	45.5
0°-40°	282.1	79.3
0°-60°	353.0	99.2
0°-90°	356.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	356.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	42	42	42	42	42	
5°	189	121	38	14	10	26
15°	632	321	16	3	2	186
25°	910	441	4	1	2	419
35°	961	165	1	1	2	596
45°	530	19	1	2	3	427
55°	19	0	1	2	3	60
65°	1	0	1	2	3	1
75°	0	0	1	2	2	0
85°	0	0	1	1	1	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°	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
2.5°	93.9	93.9	93.6	90.9	90.6	90.3	85.5	84.2	78.5	74.6	56.9
5°	189.3	185.0	184.7	179.9	171.8	161.0	154.1	142.9	132.1	120.7	70.1
7.5°	301.5	305.1	295.2	290.1	272.0	259.1	239.2	221.8	197.4	174.5	80.9
10°	429.1	422.7	412.8	402.9	383.3	360.2	330.7	299.7	264.5	230.5	87.0
12.5°	528.7	520.5	514.5	501.0	481.7	451.9	416.7	375.2	328.6	279.5	86.7
15°	631.6	623.4	609.9	597.9	569.3	535.9	497.7	442.9	385.7	320.7	80.3
17.5°	744.7	734.2	719.1	700.8	673.1	636.1	587.6	520.8	439.9	354.4	68.9
20°	841.3	835.0	819.9	798.2	771.2	735.1	679.1	605.1	506.4	391.2	54.8
22.5°	904.5	898.7	888.5	869.6	849.1	810.6	759.4	678.2	562.1	424.5	41.5
25°	909.6	907.2	904.5	898.1	885.8	858.4	808.5	720.9	596.7	440.8	30.7
27.5°	906.9	906.0	905.4	902.1	893.9	866.8	815.7	727.2	592.1	415.5	22.6
30°	945.4	942.7	941.2	930.3	909.0	867.2	800.4	693.2	526.2	340.0	16.2
32.5°	964.9	964.3	962.8	952.3	922.2	867.8	774.5	611.1	417.3	245.5	11.1
35°	961.0	958.0	952.6	933.0	891.2	822.9	690.8	488.0	301.2	164.6	7.2
37.5°	947.8	940.9	930.3	895.1	839.5	746.2	560.2	359.3	204.9	106.5	4.2
40°	899.0	889.7	873.2	830.1	757.0	615.0	414.3	242.8	134.5	61.4	1.2
42.5°	773.0	760.9	748.9	700.8	617.1	458.5	272.6	150.1	76.7	33.7	0.3
45°	529.9	514.8	498.3	463.4	396.3	277.7	162.2	84.5	39.7	19.0	0.3
47.5°	368.0	361.1	332.2	287.6	220.5	147.1	83.9	41.5	21.1	8.7	0.3
50°	250.0	242.2	208.5	165.5	117.3	70.4	38.5	20.8	9.3	2.1	0.3
52.5°	131.2	121.6	100.2	76.4	47.5	29.5	16.8	9.0	2.7	0.3	0.3
55°	19.3	17.8	14.4	11.7	10.5	8.1	4.8	2.1	0.3	0.3	0.6
57.5°	0.6	0.6	0.6	0.6	0.9	0.9	0.6	0.3	0.3	0.3	0.6
60°	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.6
62.5°	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.6
65°	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.6
67.5°	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.6	0.9
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.9
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9
77.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.9
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.6
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°	42.1	42.1	42.1	42.1	42.1
2.5°	41.5	30.7	23.8	20.5	20.2
5°	37.6	22.0	14.4	11.1	10.5
7.5°	31.9	15.3	8.4	6.0	5.7
10°	26.2	10.5	5.1	4.2	3.9
12.5°	20.8	6.9	3.6	3.3	3.0
15°	15.9	4.5	2.7	2.4	2.4
17.5°	12.0	3.0	2.1	2.1	2.1
20°	9.0	2.1	1.5	1.8	1.8
22.5°	6.3	1.5	1.2	1.5	1.5
25°	4.5	1.2	1.2	1.5	1.5
27.5°	3.0	0.9	0.9	1.2	1.5
30°	1.8	0.6	0.9	1.2	1.5
32.5°	0.9	0.6	0.9	1.5	1.5
35°	0.6	0.9	1.2	1.5	1.8
37.5°	0.3	0.9	1.2	1.8	1.8
40°	0.3	0.9	1.2	1.8	2.1
42.5°	0.6	1.2	1.5	2.1	2.4
45°	0.6	1.2	1.8	2.4	2.7
47.5°	0.6	1.2	2.1	2.7	2.7
50°	0.9	1.5	2.1	2.7	3.0
52.5°	0.9	1.5	2.1	3.0	3.3
55°	0.9	1.5	2.4	3.0	3.3
57.5°	0.9	1.8	2.4	3.0	3.3
60°	0.9	1.5	2.4	3.0	3.3
62.5°	1.2	1.5	2.1	3.0	3.0
65°	1.2	1.5	2.1	3.0	3.0
67.5°	1.2	1.5	2.1	2.7	2.7
70°	1.2	1.5	1.8	2.4	2.4
72.5°	1.2	1.5	1.8	2.1	2.4
75°	0.9	1.2	1.5	1.8	2.1
77.5°	0.9	1.2	1.2	1.8	1.8
80°	0.9	0.9	0.9	1.2	1.2
82.5°	0.9	0.9	0.6	0.9	0.9
85°	0.9	0.6	0.6	0.6	0.6
87.5°	0.6	0.6	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)