

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: P1335306

Luminaire Tested: P3A02R359030D2WDE010 E3A301H

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R359030D2WDE010 E3A301H
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3A301H TRIM
Light Source: -
Ballast/Driver: -

Summary

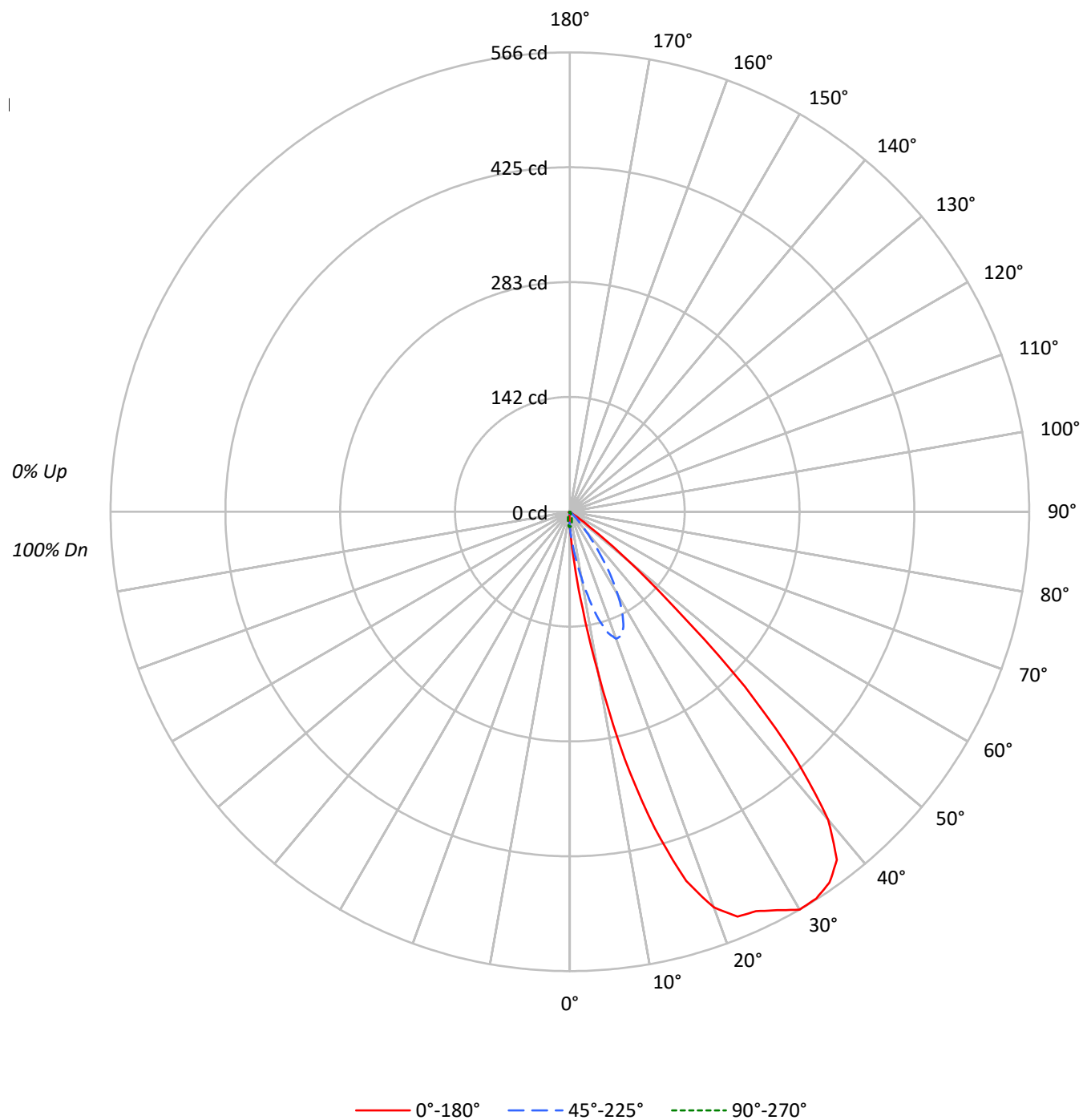
Lumens per Lamp: N/A
Luminaire Lumens: 178.0 lumens
Efficiency: N/A
Efficacy: 24.7 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4101	4101	4101	4101	4101
5°	13955	9069	3830	1629	1189
10°	44933	18392	3028	601	401
15°	91556	31192	2134	227	136
20°	121064	38853	1377	70	70
25°	131354	37768	774	48	73
30°	143313	30106	329	51	76
35°	149319	18738	80	54	80
40°	141694	8187	57	86	143
45°	94583	3256	62	155	248
50°	31726	546	102	205	341
55°	1759	76	115	306	421
60°	132	88	219	351	482
65°	156	104	259	415	571
70°	128	128	321	513	641
75°	169	169	424	508	678
80°	0	253	631	631	631
85°	0	503	1258	503	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 94583 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	1.8
10°-20°	25.6	14.4
20°-30°	54.0	30.3
30°-40°	61.2	34.4
40°-50°	30.1	16.9
50°-60°	2.6	1.5
60°-70°	0.5	0.3
70°-80°	0.5	0.3
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°	82.8	46.5
0°-40°	144.0	80.9
0°-60°	176.7	99.3
0°-90°	178.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	178.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	19	19	19	19	19	
5°	63	41	17	7	5	10
15°	403	137	9	1	1	115
25°	543	156	3	0	0	253
35°	558	70	0	0	0	344
45°	305	10	0	0	1	225
55°	5	0	0	1	1	18
65°	0	0	0	1	1	0
75°	0	0	0	1	1	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°	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
2.5°	32.4	33.2	32.9	32.8	32.6	32.0	30.5	30.4	28.9	28.0	23.2
5°	63.4	62.2	62.5	60.7	58.5	55.3	53.2	48.7	45.1	41.2	27.0
7.5°	119.5	117.8	114.4	109.3	104.0	97.1	86.8	78.5	68.9	59.8	30.0
10°	201.8	200.8	196.5	183.4	171.9	153.6	136.3	118.1	100.2	82.6	32.1
12.5°	311.7	305.2	297.4	279.9	257.3	234.2	200.2	168.7	140.1	110.7	32.3
15°	403.3	399.1	388.1	365.4	338.1	304.9	264.4	222.1	179.0	137.4	30.7
17.5°	477.0	470.6	456.3	434.1	402.7	359.5	312.2	260.6	208.0	156.4	28.0
20°	518.8	515.5	504.6	482.4	448.0	400.9	347.1	287.0	226.3	166.5	24.4
22.5°	539.9	537.5	529.5	511.8	479.7	432.2	370.5	300.7	231.5	165.4	20.8
25°	542.9	542.3	535.4	522.0	495.2	448.2	380.8	303.3	227.2	156.1	17.3
27.5°	553.5	551.3	543.1	529.7	502.7	450.9	377.3	294.5	213.3	139.8	14.4
30°	566.0	564.4	556.2	542.3	510.4	448.4	364.8	275.0	191.1	118.9	10.7
32.5°	565.0	564.4	557.5	542.8	504.9	433.3	342.6	245.7	160.9	93.8	6.7
35°	557.8	555.6	546.9	524.3	473.9	394.7	300.4	206.1	127.3	70.0	4.3
37.5°	540.5	535.8	521.2	482.7	418.5	335.1	244.6	159.1	90.1	46.8	2.7
40°	495.0	488.9	459.7	413.2	345.9	264.0	182.0	109.5	59.4	28.6	1.1
42.5°	410.6	398.3	369.1	321.3	258.2	186.6	119.5	70.9	35.0	17.3	0.3
45°	305.0	295.6	264.9	221.6	169.2	119.7	72.4	38.3	19.3	10.5	0.2
47.5°	177.7	171.9	156.1	127.7	93.5	62.8	37.1	20.6	11.3	5.1	0.2
50°	93.0	85.8	73.8	55.9	41.2	28.9	18.1	11.0	5.6	1.6	0.2
52.5°	32.6	32.1	29.2	22.1	17.9	12.9	8.8	4.8	1.6	0.3	0.2
55°	4.6	4.6	4.3	4.8	5.1	4.6	3.0	1.3	0.3	0.2	0.2
57.5°	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.2	0.2	0.2	0.3
60°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
62.5°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
65°	0.3	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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	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	0.2	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°	18.7	18.7	18.7	18.7	18.7
2.5°	18.5	14.9	11.8	10.4	9.9
5°	17.4	11.2	7.4	5.8	5.4
7.5°	15.5	8.0	4.5	3.2	3.0
10°	13.6	5.8	2.7	1.9	1.8
12.5°	11.3	4.0	1.8	1.1	1.0
15°	9.4	2.7	1.0	0.8	0.6
17.5°	7.5	1.8	0.6	0.5	0.6
20°	5.9	1.1	0.3	0.3	0.3
22.5°	4.5	0.6	0.3	0.3	0.3
25°	3.2	0.3	0.2	0.2	0.3
27.5°	2.2	0.2	0.2	0.2	0.3
30°	1.3	0.2	0.2	0.2	0.3
32.5°	0.6	0.2	0.2	0.3	0.3
35°	0.3	0.2	0.2	0.3	0.3
37.5°	0.2	0.2	0.2	0.3	0.5
40°	0.2	0.2	0.3	0.5	0.5
42.5°	0.2	0.2	0.3	0.5	0.6
45°	0.2	0.3	0.5	0.6	0.8
47.5°	0.3	0.3	0.6	0.8	1.0
50°	0.3	0.5	0.6	1.0	1.0
52.5°	0.3	0.5	0.8	1.0	1.1
55°	0.3	0.6	0.8	1.1	1.1
57.5°	0.5	0.6	0.8	1.1	1.1
60°	0.5	0.6	0.8	1.1	1.1
62.5°	0.5	0.6	0.8	1.1	1.1
65°	0.5	0.6	0.8	1.1	1.1
67.5°	0.5	0.6	0.8	1.0	1.1
70°	0.5	0.6	0.8	1.0	1.0
72.5°	0.6	0.6	0.8	1.0	1.0
75°	0.5	0.6	0.6	0.8	0.8
77.5°	0.5	0.5	0.5	0.6	0.6
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.3	0.3	0.5	0.5
85°	0.5	0.3	0.2	0.3	0.3
87.5°	0.3	0.3	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)