

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: P1335129

Luminaire Tested: P3A02R309830DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335129
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: P3A02R309830DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

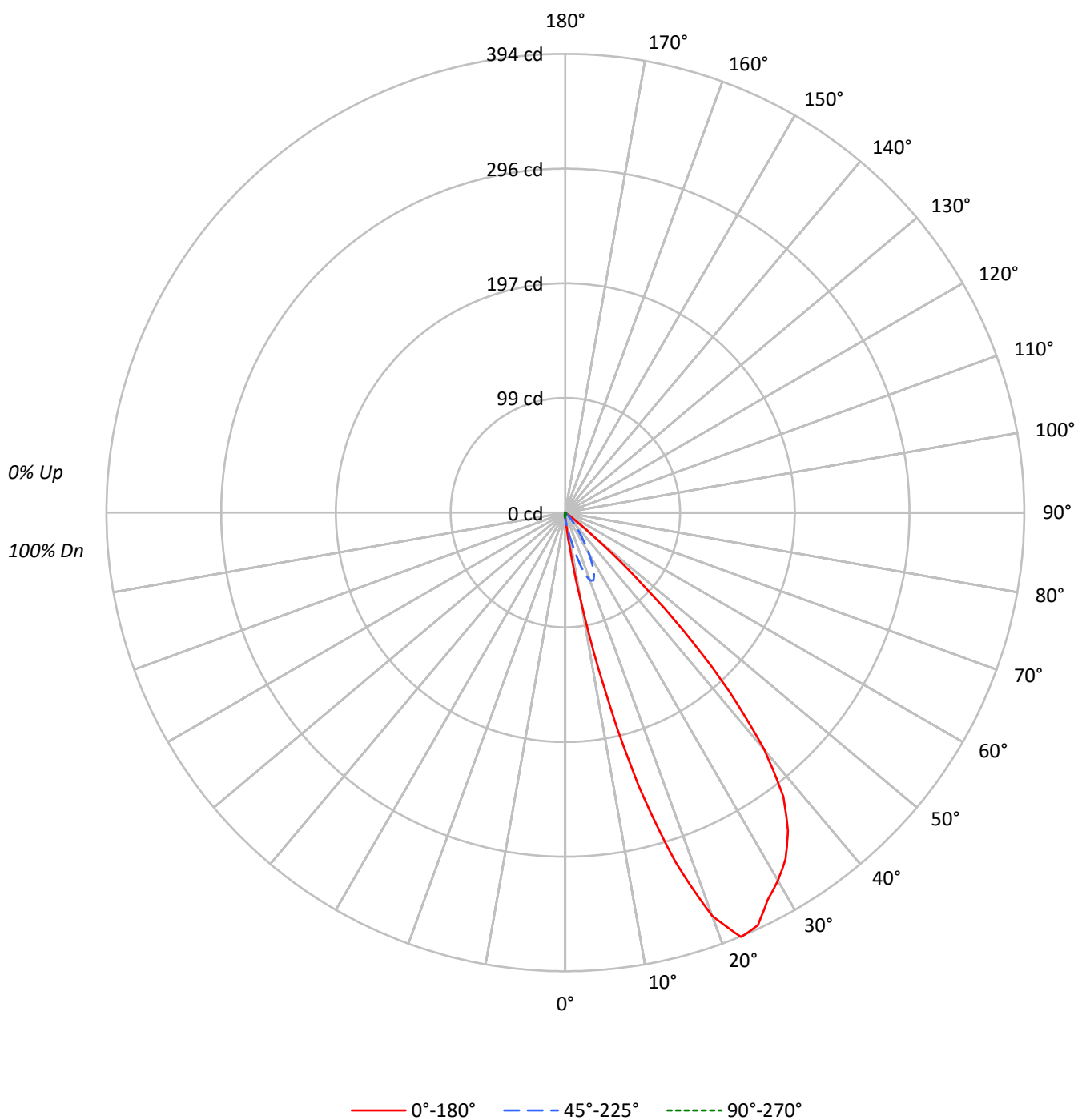
Lumens per Lamp: N/A
Luminaire Lumens: 93.1 lumens
Efficiency: N/A
Efficacy: 25.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	91	103	98	94	90	95	91	88		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	80	87	83	79		85	81	78		83	79	77	75
4	93	84	77	72	91	83	77	72	80	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	63	58	79	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	66	55	48	43	65	54	48	43	53	47	43		52	47	43		52	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39		49	43	39		48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	965	965	965	965	965
5°	2928	1937	924	418	330
10°	16900	4119	713	178	134
15°	54961	9353	499	45	23
20°	86014	14468	327	0	0
25°	94626	14154	169	0	0
30°	92419	10204	76	0	0
35°	89195	5809	27	0	0
40°	76057	2462	0	0	0
45°	44656	930	31	0	31
50°	10848	171	34	34	102
55°	956	0	76	115	115
60°	44	0	88	132	175
65°	52	52	156	156	208
70°	64	64	192	192	192
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: 44656 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.9
10°-20°	12.8	13.7
20°-30°	32.5	34.9
30°-40°	32.4	34.8
40°-50°	13.1	14.1
50°-60°	0.9	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°	46.1	49.5
0°-40°	78.5	84.3
0°-60°	92.5	99.4
0°-90°	93.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	93.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4	4	4	4	4	
5°	13	9	4	2	2	3
15°	242	41	2	0	0	70
25°	391	58	1	0	0	177
35°	333	22	0	0	0	204
45°	144	3	0	0	0	110
55°	2	0	0	0	0	6
65°	0	0	0	0	0	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°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
2.5°	7.3	7.4	7.4	7.2	7.1	7.1	6.9	6.8	6.5	6.3	5.4
5°	13.3	13.0	12.7	12.7	11.9	11.5	10.9	10.2	9.7	8.8	6.3
7.5°	30.1	28.0	27.4	26.7	23.8	21.5	18.9	16.6	14.4	12.7	7.0
10°	75.9	71.9	68.6	61.9	53.5	45.4	37.9	29.2	23.3	18.5	7.5
12.5°	152.9	147.5	141.2	128.9	113.2	93.1	75.2	56.2	39.4	27.3	7.6
15°	242.1	233.0	223.1	207.5	181.8	152.9	120.7	90.3	63.3	41.2	7.5
17.5°	314.9	311.3	296.6	275.3	243.8	206.6	166.9	125.4	85.4	54.0	7.0
20°	368.6	366.1	348.3	325.7	290.2	247.5	197.2	147.4	100.8	62.0	6.2
22.5°	394.5	394.1	381.2	358.1	320.5	272.1	216.6	160.0	105.5	63.1	5.2
25°	391.1	392.6	385.3	368.1	332.0	282.2	222.4	160.0	102.1	58.5	4.3
27.5°	375.6	376.6	372.0	358.9	325.2	274.9	214.3	149.7	91.9	50.2	3.6
30°	365.0	365.4	359.7	345.6	309.9	258.3	195.3	130.7	76.7	40.3	2.6
32.5°	352.1	352.0	345.4	329.2	289.9	234.9	171.2	108.0	58.9	30.6	1.5
35°	333.2	331.1	322.1	303.5	260.0	203.4	140.3	82.3	42.4	21.7	0.9
37.5°	307.3	301.8	289.0	264.1	218.0	159.5	104.0	57.8	29.0	14.4	0.6
40°	265.7	259.9	242.5	212.3	164.9	114.8	70.1	37.6	18.3	8.6	0.3
42.5°	208.4	204.4	181.0	150.8	108.9	73.3	42.2	22.3	10.3	4.9	0.1
45°	144.0	138.8	120.4	94.8	65.4	40.6	23.6	11.6	5.9	3.0	0.0
47.5°	79.5	73.1	62.5	49.1	32.9	21.3	11.9	6.3	3.3	1.4	0.0
50°	31.8	31.5	25.1	17.8	12.6	9.7	5.9	3.4	1.7	0.5	0.1
52.5°	11.1	11.1	9.6	7.8	6.1	4.4	3.0	1.6	0.6	0.2	0.1
55°	2.5	2.7	2.5	2.4	2.3	2.0	1.3	0.6	0.2	0.0	0.1
57.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.3	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

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	4.4	4.4	4.4	4.4	4.4
2.5°	4.4	3.5	2.9	2.5	2.5
5°	4.2	2.6	1.9	1.6	1.5
7.5°	3.7	2.0	1.3	1.0	0.9
10°	3.2	1.4	0.8	0.6	0.6
12.5°	2.7	1.1	0.5	0.3	0.2
15°	2.2	0.7	0.2	0.1	0.1
17.5°	1.7	0.4	0.0	0.0	0.0
20°	1.4	0.2	0.0	0.0	0.0
22.5°	1.0	0.1	0.0	0.0	0.0
25°	0.7	0.0	0.0	0.0	0.0
27.5°	0.4	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	0.3	0.3
57.5°	0.2	0.2	0.3	0.3	0.3
60°	0.2	0.2	0.3	0.3	0.4
62.5°	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.4
67.5°	0.3	0.3	0.3	0.3	0.4
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
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)