

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: P1335161

Luminaire Tested: P3A02R309840DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335161
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: P3A02R309840DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

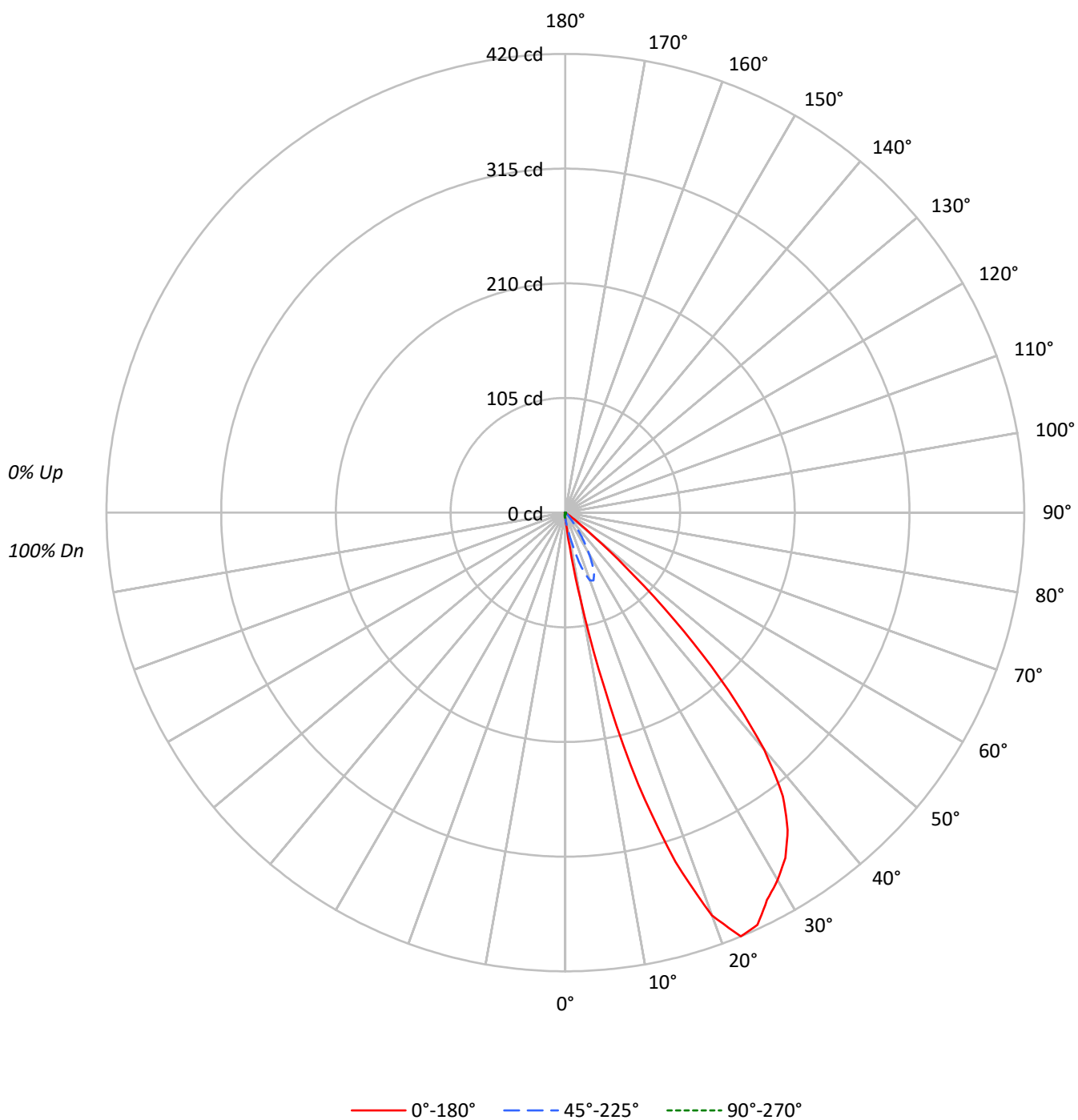
Lumens per Lamp: N/A
Luminaire Lumens: 99.1 lumens
Efficiency: N/A
Efficacy: 27.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	91	103	98	94	90	95	92	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°	1031	1031	1031	1031	1031
5°	3104	2069	969	440	352
10°	17991	4386	757	200	134
15°	58502	9966	545	45	23
20°	91545	15401	327	0	0
25°	100724	15049	169	0	0
30°	98370	10862	76	0	0
35°	94950	6184	27	0	0
40°	80980	2605	0	0	0
45°	47509	992	31	0	31
50°	11531	171	34	34	102
55°	994	0	76	115	153
60°	44	0	88	132	219
65°	52	52	156	156	259
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: 47509 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.9
10°-20°	13.6	13.7
20°-30°	34.6	34.9
30°-40°	34.5	34.8
40°-50°	14.0	14.1
50°-60°	1.0	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°	49.0	49.5
0°-40°	83.5	84.3
0°-60°	98.5	99.4
0°-90°	99.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	99.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5	5	5	5	5	
5°	14	9	4	2	2	3
15°	258	44	2	0	0	75
25°	416	62	1	0	0	188
35°	355	23	0	0	0	217
45°	153	3	0	0	0	117
55°	3	0	0	0	0	7
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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	7.8	7.9	7.9	7.7	7.6	7.6	7.3	7.2	7.0	6.7	5.8
5°	14.1	13.8	13.5	13.5	12.7	12.2	11.6	10.9	10.3	9.4	6.7
7.5°	32.0	29.9	29.2	28.4	25.3	22.9	20.1	17.6	15.4	13.5	7.4
10°	80.8	76.5	73.0	65.9	56.9	48.3	40.3	31.1	24.8	19.7	8.0
12.5°	162.7	157.0	150.3	137.2	120.5	99.1	80.1	59.8	42.0	29.0	8.1
15°	257.7	248.1	237.5	220.9	193.5	162.7	128.5	96.2	67.4	43.9	8.0
17.5°	335.2	331.4	315.7	293.1	259.5	219.9	177.7	133.5	90.9	57.4	7.4
20°	392.3	389.7	370.8	346.7	308.9	263.5	209.9	156.9	107.3	66.0	6.6
22.5°	419.9	419.5	405.8	381.2	341.1	289.7	230.6	170.3	112.4	67.2	5.5
25°	416.3	417.9	410.2	391.9	353.4	300.4	236.7	170.3	108.6	62.2	4.6
27.5°	399.8	400.9	396.0	382.0	346.2	292.6	228.1	159.4	97.9	53.5	3.8
30°	388.5	389.0	382.9	367.9	329.9	274.9	207.9	139.1	81.6	42.9	2.8
32.5°	374.8	374.7	367.6	350.5	308.6	250.0	182.2	115.0	62.7	32.6	1.6
35°	354.7	352.4	342.9	323.0	276.7	216.6	149.4	87.6	45.1	23.1	1.0
37.5°	327.1	321.2	307.7	281.2	232.0	169.8	110.7	61.5	30.8	15.3	0.6
40°	282.9	276.6	258.2	226.0	175.5	122.2	74.6	40.1	19.4	9.1	0.4
42.5°	221.8	217.6	192.7	160.6	115.9	78.0	44.9	23.7	10.9	5.2	0.1
45°	153.2	147.7	128.2	101.0	69.6	43.2	25.1	12.4	6.2	3.2	0.0
47.5°	84.6	77.8	66.5	52.3	35.0	22.7	12.7	6.7	3.5	1.5	0.0
50°	33.8	33.6	26.7	19.0	13.4	10.3	6.3	3.6	1.8	0.5	0.1
52.5°	11.9	11.9	10.2	8.3	6.5	4.7	3.2	1.7	0.6	0.2	0.1
55°	2.6	2.9	2.7	2.5	2.4	2.1	1.4	0.6	0.2	0.0	0.1
57.5°	0.3	0.3	0.3	0.4	0.5	0.5	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

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	4.7	4.7	4.7	4.7	4.7
2.5°	4.7	3.7	3.1	2.7	2.6
5°	4.4	2.8	2.0	1.7	1.6
7.5°	4.0	2.1	1.4	1.1	1.0
10°	3.4	1.5	0.9	0.6	0.6
12.5°	2.9	1.2	0.5	0.3	0.2
15°	2.4	0.7	0.2	0.1	0.1
17.5°	1.8	0.5	0.0	0.0	0.0
20°	1.4	0.2	0.0	0.0	0.0
22.5°	1.1	0.1	0.0	0.0	0.0
25°	0.7	0.0	0.0	0.0	0.0
27.5°	0.5	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	0.5
62.5°	0.3	0.3	0.3	0.4	0.4
65°	0.3	0.3	0.3	0.4	0.5
67.5°	0.3	0.3	0.3	0.4	0.5
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)