

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: P1335113

Luminaire Tested: P3A02R309827DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335113
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: P3A02R309827DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

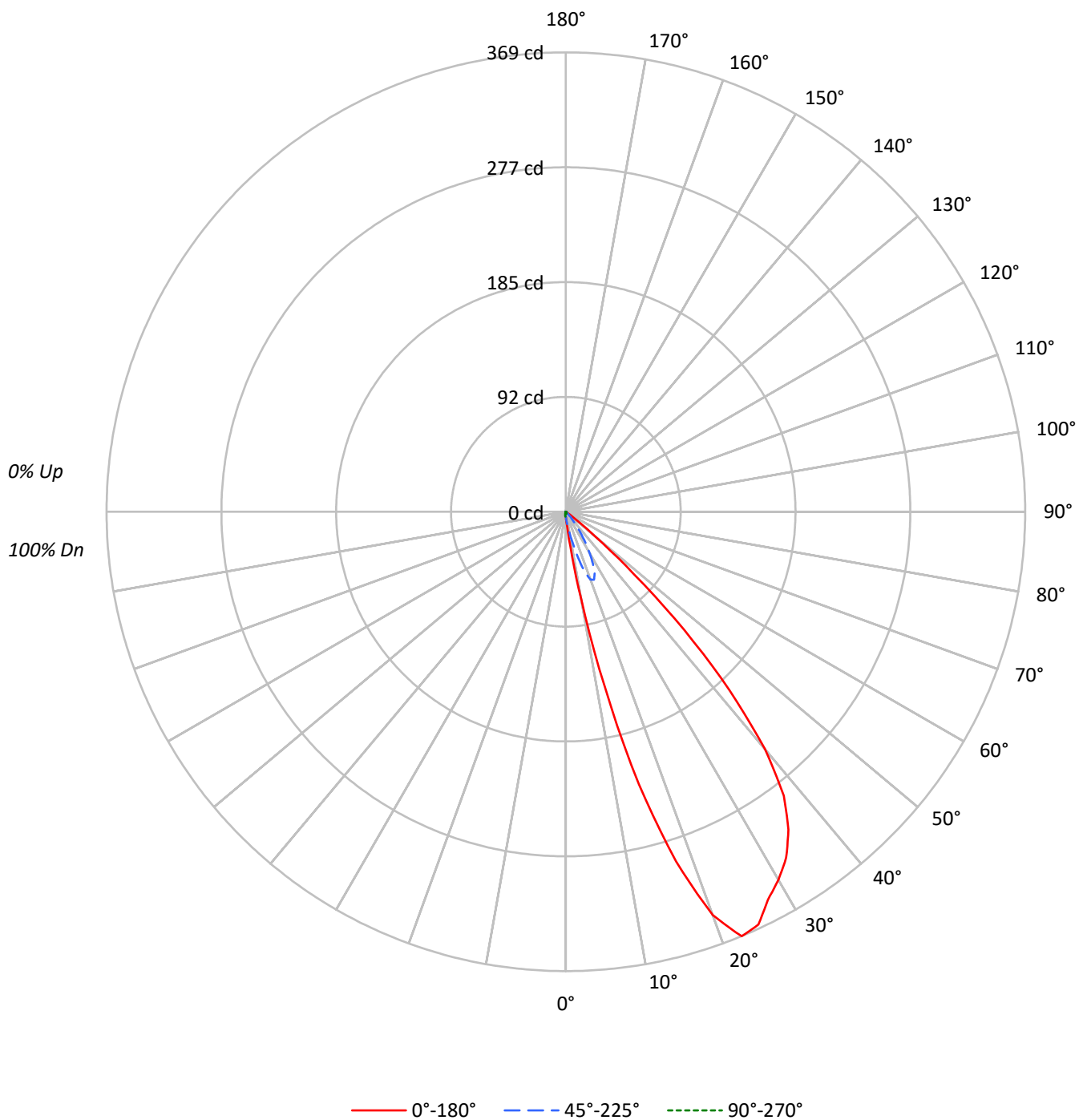
Lumens per Lamp: N/A
Luminaire Lumens: 87.0 lumens
Efficiency: N/A
Efficacy: 24.2 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	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	64	58	80	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	55	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°	899	899	899	899	899
5°	2729	1827	858	374	308
10°	15809	3852	668	178	134
15°	51419	8763	477	45	23
20°	80460	13535	303	0	0
25°	88529	13235	145	0	0
30°	86444	9546	51	0	0
35°	83440	5434	27	0	0
40°	71162	2290	0	0	0
45°	41772	868	31	0	31
50°	10132	171	34	34	68
55°	879	0	76	76	115
60°	44	0	88	88	175
65°	52	52	104	104	208
70°	64	64	128	128	192
75°	0	85	169	169	169
80°	0	126	253	253	253
85°	0	252	503	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 41772 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.9
10°-20°	12.0	13.7
20°-30°	30.4	34.9
30°-40°	30.3	34.8
40°-50°	12.3	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°	43.1	49.5
0°-40°	73.4	84.3
0°-60°	86.5	99.4
0°-90°	87.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	87.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4	4	4	4	4	
5°	12	8	4	2	1	3
15°	226	39	2	0	0	66
25°	366	55	1	0	0	165
35°	312	20	0	0	0	191
45°	135	3	0	0	0	103
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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	6.8	6.9	6.9	6.8	6.7	6.7	6.4	6.4	6.1	5.9	5.1
5°	12.4	12.2	11.8	11.8	11.1	10.7	10.2	9.5	9.1	8.3	5.9
7.5°	28.1	26.2	25.7	25.0	22.3	20.1	17.6	15.5	13.5	11.8	6.5
10°	71.0	67.3	64.2	57.9	50.0	42.5	35.5	27.3	21.8	17.3	7.0
12.5°	143.0	138.0	132.0	120.6	105.9	87.1	70.4	52.5	36.9	25.5	7.2
15°	226.5	218.0	208.7	194.1	170.0	143.0	112.9	84.5	59.2	38.6	7.0
17.5°	294.5	291.2	277.4	257.6	228.1	193.3	156.1	117.3	79.9	50.5	6.5
20°	344.8	342.5	325.9	304.7	271.5	231.6	184.4	137.8	94.3	58.0	5.8
22.5°	369.0	368.6	356.6	335.0	299.8	254.6	202.6	149.7	98.7	59.1	4.8
25°	365.9	367.3	360.4	344.4	310.6	264.0	208.0	149.7	95.5	54.7	4.1
27.5°	351.4	352.3	348.0	335.7	304.2	257.2	200.5	140.1	86.0	47.0	3.3
30°	341.4	341.8	336.5	323.3	289.9	241.6	182.7	122.3	71.7	37.7	2.5
32.5°	329.4	329.3	323.1	308.0	271.2	219.7	160.1	101.0	55.1	28.6	1.4
35°	311.7	309.7	301.3	283.9	243.2	190.3	131.3	77.0	39.7	20.3	0.9
37.5°	287.5	282.3	270.4	247.1	203.9	149.2	97.3	54.1	27.1	13.4	0.6
40°	248.6	243.1	226.9	198.6	154.2	107.4	65.6	35.2	17.1	8.0	0.3
42.5°	194.9	191.2	169.3	141.1	101.8	68.5	39.4	20.8	9.6	4.6	0.1
45°	134.7	129.8	112.6	88.7	61.1	38.0	22.1	10.9	5.5	2.8	0.0
47.5°	74.3	68.4	58.4	45.9	30.8	20.0	11.1	5.9	3.1	1.4	0.0
50°	29.7	29.5	23.5	16.7	11.8	9.1	5.6	3.2	1.6	0.5	0.1
52.5°	10.4	10.4	9.0	7.3	5.7	4.1	2.8	1.5	0.6	0.2	0.1
55°	2.3	2.5	2.4	2.2	2.1	1.8	1.2	0.6	0.2	0.0	0.1
57.5°	0.2	0.2	0.2	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	0.2
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
75°	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.2
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°	4.1	4.1	4.1	4.1	4.1
2.5°	4.1	3.3	2.7	2.4	2.3
5°	3.9	2.5	1.7	1.5	1.4
7.5°	3.5	1.8	1.2	1.0	0.9
10°	3.0	1.4	0.8	0.6	0.6
12.5°	2.5	1.0	0.5	0.2	0.2
15°	2.1	0.6	0.2	0.1	0.1
17.5°	1.6	0.4	0.0	0.0	0.0
20°	1.3	0.2	0.0	0.0	0.0
22.5°	1.0	0.1	0.0	0.0	0.0
25°	0.6	0.0	0.0	0.0	0.0
27.5°	0.4	0.0	0.0	0.0	0.0
30°	0.2	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	0.2
52.5°	0.2	0.1	0.2	0.2	0.2
55°	0.2	0.2	0.2	0.3	0.3
57.5°	0.2	0.2	0.2	0.3	0.3
60°	0.2	0.2	0.2	0.3	0.4
62.5°	0.2	0.2	0.2	0.3	0.3
65°	0.2	0.2	0.2	0.3	0.4
67.5°	0.2	0.2	0.2	0.3	0.4
70°	0.2	0.2	0.2	0.3	0.3
72.5°	0.3	0.2	0.2	0.3	0.3
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.1	0.1	0.1
87.5°	0.2	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)