

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: P1334749

Luminaire Tested: P3A02R259735DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334749
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R259735DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

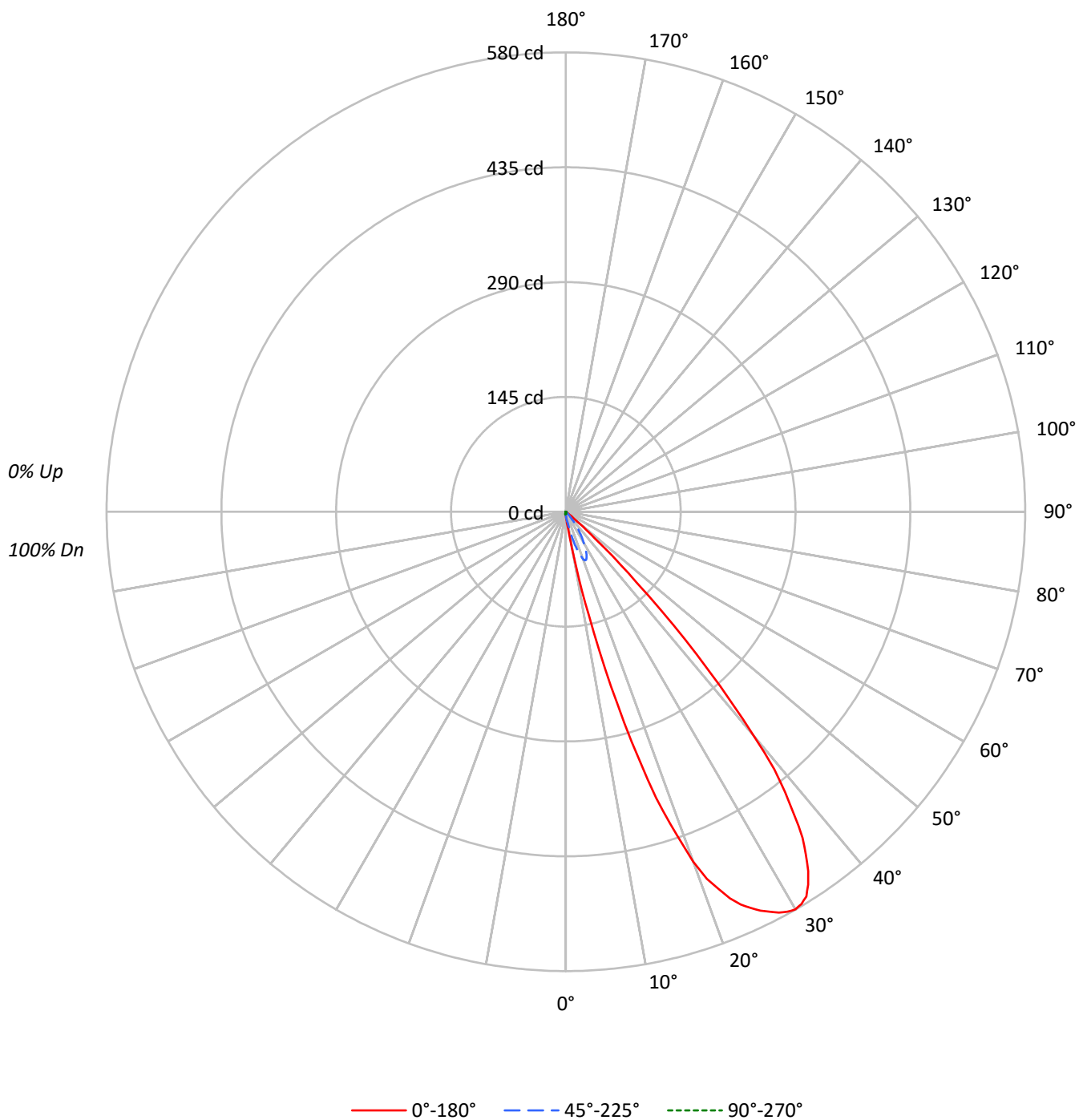
Lumens per Lamp: N/A
Luminaire Lumens: 115.9 lumens
Efficiency: N/A
Efficacy: 32.2 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	81	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	52	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	48	70	59	52	47	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	51	46	42	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1096	1096	1096	1096	1096
5°	2729	2025	1035	528	396
10°	11979	3451	846	245	178
15°	56958	9285	590	91	68
20°	109630	14865	373	23	23
25°	133532	15001	218	0	0
30°	146807	11470	76	0	0
35°	141475	7308	27	0	0
40°	105712	3149	0	0	29
45°	39136	837	31	31	93
50°	4605	102	68	68	136
55°	459	0	76	115	191
60°	44	0	132	175	219
65°	52	52	208	259	311
70°	64	64	256	256	385
75°	85	85	254	254	339
80°	0	126	379	253	379
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 39136 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.6
10°-20°	13.5	11.7
20°-30°	42.4	36.6
30°-40°	44.7	38.5
40°-50°	13.1	11.3
50°-60°	0.7	0.6
60°-70°	0.3	0.3
70°-80°	0.3	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°	56.7	48.9
0°-40°	101.4	87.5
0°-60°	115.2	99.4
0°-90°	115.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	115.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5	5	5	5	5	
5°	12	9	5	2	2	2
15°	251	41	3	0	0	79
25°	552	62	1	0	0	253
35°	528	27	0	0	0	319
45°	126	3	0	0	0	115
55°	1	0	0	0	0	3
65°	0	0	0	0	1	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°	45°	67.5°	90°	112.5°
0°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
2.5°	7.7	7.8	7.5	7.7	7.5	7.4	7.3	6.7	5.8	5.0	4.1
5°	12.4	12.4	11.9	11.8	11.6	11.1	10.7	9.2	6.6	4.7	3.2
7.5°	19.5	19.4	19.2	18.6	17.5	16.5	15.4	12.0	7.3	4.3	2.5
10°	53.8	53.0	52.1	46.2	39.6	33.8	28.7	15.5	7.8	3.8	1.8
12.5°	133.7	129.3	119.1	107.4	92.4	76.7	61.4	25.2	8.0	3.1	1.3
15°	250.9	241.9	225.9	202.5	172.0	137.7	108.4	40.9	7.8	2.6	1.0
17.5°	378.8	370.1	348.0	312.5	267.5	214.8	163.1	54.2	7.3	2.2	0.6
20°	469.8	460.6	439.8	402.2	353.6	283.3	214.7	63.7	6.8	1.6	0.3
21°	496.4	487.2	465.3	428.9	377.8	307.4	231.3	65.4	6.5	1.4	0.2
22°	513.3	507.9	484.3	449.0	397.0	326.6	245.5	66.1	6.3	1.3	0.2
23°	530.3	522.2	500.1	462.9	411.6	340.9	256.0	65.6	6.1	1.1	0.1
24°	542.9	536.1	510.4	473.6	421.8	349.7	262.1	64.2	5.7	1.0	0.1
25°	551.9	545.6	518.9	480.9	428.6	354.5	264.1	62.0	5.4	0.9	0.1
26°	560.4	553.6	525.9	485.1	432.2	356.0	262.2	59.6	5.1	0.8	0.0
27°	566.6	559.7	530.8	487.6	432.4	354.1	257.3	56.4	4.8	0.6	0.0
28°	573.2	565.2	534.1	489.0	431.1	349.8	250.1	52.9	4.5	0.5	0.0
29°	577.2	569.6	537.6	490.5	428.4	342.5	239.7	48.8	4.0	0.3	0.0
30°	579.8	570.8	537.3	488.9	424.8	334.8	227.3	45.3	3.5	0.3	0.0
31°	577.6	568.2	533.8	484.3	419.1	324.6	214.5	41.0	2.8	0.2	0.0
32°	573.0	561.8	527.7	476.4	408.8	311.5	201.3	37.4	2.1	0.2	0.0
33°	561.6	552.2	516.8	465.8	395.4	293.7	184.1	34.0	1.4	0.1	0.0
34°	547.3	537.9	501.9	451.6	377.4	270.8	163.2	30.4	1.2	0.1	0.0
35°	528.5	519.2	485.0	431.8	353.6	243.2	141.7	27.3	1.0	0.1	0.0
36°	508.7	496.3	463.7	410.7	321.7	211.8	118.6	23.7	0.8	0.1	0.0
37°	479.6	471.2	435.0	378.6	287.1	181.7	101.8	20.5	0.5	0.1	0.0
38°	449.4	441.7	406.3	346.2	248.6	152.0	85.3	17.3	0.4	0.0	0.0
39°	418.2	405.4	370.5	304.8	208.2	127.3	71.8	14.5	0.2	0.0	0.0
40°	369.3	359.5	322.2	255.0	172.3	103.1	61.1	11.0	0.2	0.0	0.0
42.5°	244.8	235.7	196.5	138.3	91.6	60.3	40.4	4.3	0.0	0.1	0.0
45°	126.2	120.5	97.8	72.4	52.0	37.0	26.0	2.7	0.0	0.1	0.1
47.5°	50.1	49.1	44.4	38.3	29.5	22.0	14.2	1.2	0.0	0.1	0.1
50°	13.5	13.6	12.8	11.8	10.7	10.1	6.0	0.3	0.0	0.2	0.1
52.5°	5.7	5.8	5.6	5.3	4.8	3.6	2.4	0.1	0.1	0.2	0.2
55°	1.2	1.3	1.4	1.5	1.7	1.5	1.0	0.0	0.1	0.2	0.2
57.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.0	0.1	0.2	0.3
60°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.3	0.3
62.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.4
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.4
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.4
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.3
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	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):

	135°	157.5°	180°
0°	5.0	5.0	5.0
2.5°	3.5	3.1	3.0
5°	2.4	2.1	1.8
7.5°	1.6	1.3	1.2
10°	1.1	0.9	0.8
12.5°	0.8	0.4	0.4
15°	0.4	0.3	0.3
17.5°	0.2	0.1	0.1
20°	0.1	0.1	0.1
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.1
39°	0.0	0.1	0.1
40°	0.0	0.1	0.1
42.5°	0.0	0.1	0.2
45°	0.1	0.2	0.3
47.5°	0.2	0.3	0.4
50°	0.2	0.4	0.4
52.5°	0.3	0.4	0.5
55°	0.3	0.5	0.5
57.5°	0.4	0.5	0.6
60°	0.4	0.5	0.5
62.5°	0.4	0.6	0.6
65°	0.5	0.6	0.6
67.5°	0.5	0.6	0.6
70°	0.4	0.5	0.6
72.5°	0.4	0.5	0.5
75°	0.3	0.4	0.4
77.5°	0.3	0.3	0.4
80°	0.2	0.3	0.3



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.2	0.2	0.2
85°	0.1	0.1	0.1
87.5°	0.1	0.1	0.1
90°	0.0	0.0	0.0

(END OF REPORT)