

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: P1337479

Luminaire Tested: P3A05R259835DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337479
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: P3A05R259835DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

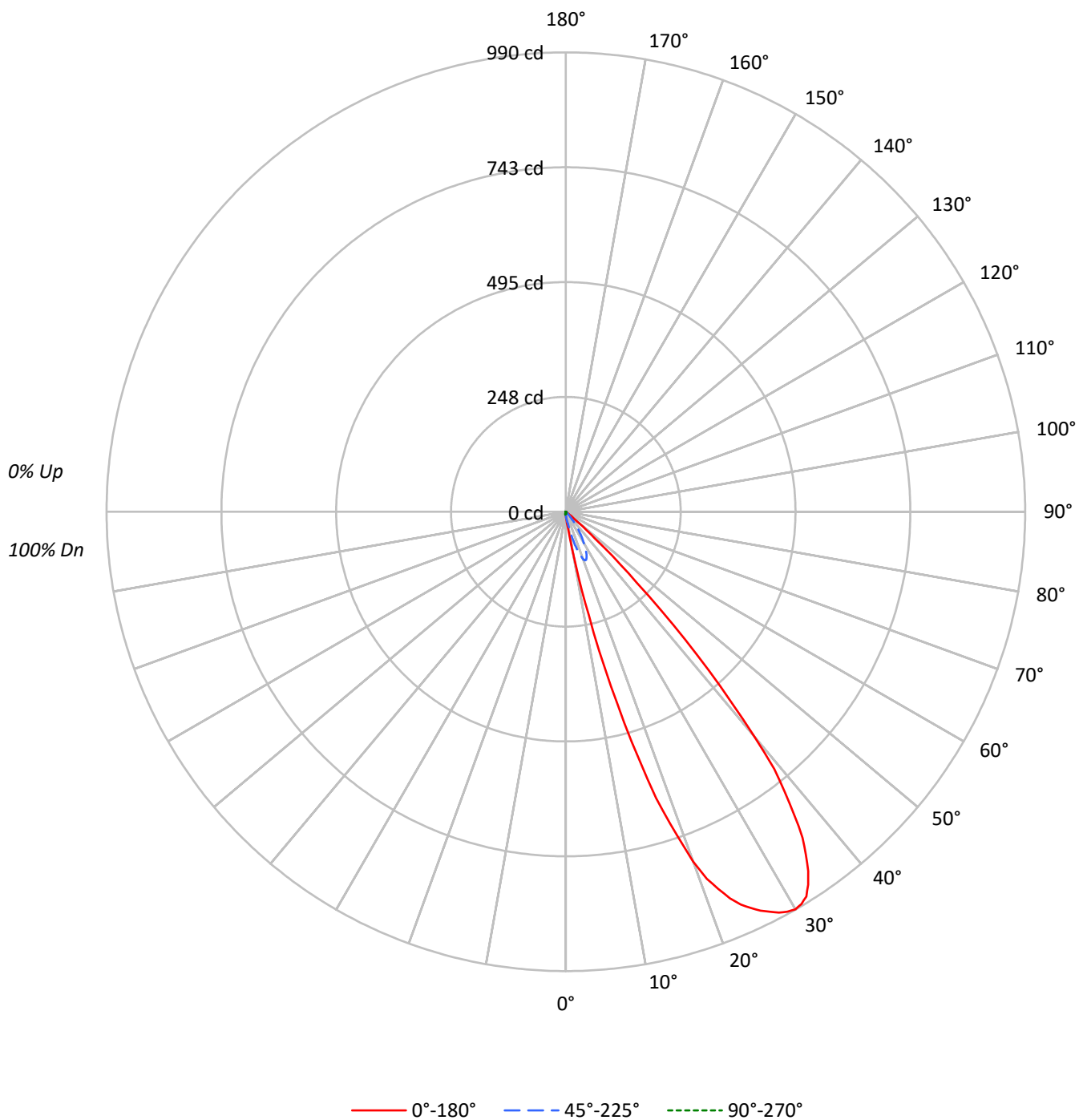
Lumens per Lamp: N/A
Luminaire Lumens: 198.1 lumens
Efficiency: N/A
Efficacy: 27.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	63	58	79	70	63	58	68	62	58	67	61	57	65	60	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	69	59	52	47	58	52	47	57	51	47	56	50	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	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1864	1864	1864	1864	1864
5°	4667	3456	1739	902	682
10°	20441	5878	1447	401	289
15°	97208	15846	999	159	136
20°	187126	25389	653	47	47
25°	227916	25622	363	0	0
30°	250570	19598	152	0	0
35°	241485	12474	54	0	0
40°	180424	5382	0	0	57
45°	66798	1427	62	62	186
50°	7880	205	136	136	239
55°	765	0	153	229	344
60°	88	0	263	307	395
65°	104	104	363	467	571
70°	128	128	449	449	705
75°	169	169	508	508	593
80°	0	253	758	505	758
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 66798 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.6
10°-20°	23.1	11.7
20°-30°	72.5	36.6
30°-40°	76.3	38.5
40°-50°	22.4	11.3
50°-60°	1.2	0.6
60°-70°	0.6	0.3
70°-80°	0.5	0.3
80°-90°	0.3	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°	96.8	48.9
0°-40°	173.1	87.4
0°-60°	196.7	99.3
0°-90°	198.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	198.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	8	8	8	8	8	
5°	21	16	8	4	3	4
15°	428	70	4	1	1	135
25°	942	106	2	0	0	432
35°	902	47	0	0	0	544
45°	215	5	0	0	1	196
55°	2	0	0	1	1	5
65°	0	0	1	1	1	0
75°	0	0	1	1	1	0
85°	0	0	1	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°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
2.5°	13.1	13.3	12.7	13.1	12.7	12.6	12.4	11.5	10.0	8.5	7.0
5°	21.2	21.2	20.3	20.1	19.8	19.0	18.3	15.7	11.3	7.9	5.5
7.5°	33.3	33.1	32.7	31.8	29.9	28.1	26.2	20.5	12.4	7.4	4.2
10°	91.8	90.5	88.9	78.9	67.6	57.6	49.0	26.4	13.3	6.5	3.1
12.5°	228.1	220.8	203.2	183.3	157.8	131.0	104.7	43.0	13.7	5.4	2.2
15°	428.2	412.9	385.5	345.6	293.5	235.0	185.1	69.8	13.3	4.4	1.7
17.5°	646.6	631.8	593.9	533.3	456.7	366.7	278.4	92.6	12.4	3.7	1.1
20°	801.9	786.2	750.8	686.5	603.5	483.6	366.5	108.8	11.6	2.8	0.6
21°	847.4	831.7	794.2	732.1	644.9	524.7	394.8	111.6	11.1	2.4	0.4
22°	876.2	867.0	826.7	766.5	677.6	557.5	419.0	112.9	10.7	2.2	0.4
23°	905.2	891.4	853.7	790.1	702.6	581.9	436.9	112.0	10.3	1.8	0.2
24°	926.6	915.0	871.2	808.4	719.9	596.9	447.4	109.5	9.8	1.7	0.2
25°	942.0	931.3	885.6	820.8	731.6	605.0	450.8	105.9	9.2	1.5	0.2
26°	956.6	944.9	897.6	828.0	737.7	607.6	447.6	101.8	8.7	1.3	0.0
27°	967.1	955.3	905.9	832.2	738.0	604.5	439.1	96.2	8.1	1.1	0.0
28°	978.4	964.7	911.7	834.6	735.8	597.1	426.9	90.3	7.8	0.9	0.0
29°	985.2	972.3	917.6	837.2	731.2	584.7	409.2	83.3	6.8	0.6	0.0
30°	989.6	974.3	917.0	834.5	725.1	571.4	387.9	77.4	5.9	0.6	0.0
31°	985.9	969.9	911.1	826.7	715.3	554.0	366.1	70.0	4.8	0.4	0.0
32°	978.0	959.0	900.8	813.2	697.7	531.7	343.6	63.9	3.5	0.4	0.0
33°	958.6	942.5	882.1	795.1	674.8	501.4	314.2	58.0	2.4	0.2	0.0
34°	934.2	918.1	856.6	770.9	644.2	462.2	278.6	51.9	2.0	0.2	0.0
35°	902.1	886.2	827.8	737.1	603.5	415.1	241.8	46.6	1.7	0.2	0.0
36°	868.3	847.2	791.4	701.1	549.0	361.5	202.5	40.5	1.3	0.2	0.0
37°	818.6	804.3	742.5	646.2	490.1	310.2	173.8	34.9	0.9	0.2	0.0
38°	767.0	753.9	693.5	591.0	424.3	259.4	145.6	29.6	0.7	0.0	0.0
39°	713.8	692.0	632.4	520.2	355.4	217.3	122.5	24.8	0.4	0.0	0.0
40°	630.3	613.7	550.0	435.2	294.1	176.1	104.4	18.8	0.4	0.0	0.0
42.5°	417.9	402.4	335.5	236.1	156.3	102.9	68.9	7.4	0.0	0.2	0.0
45°	215.4	205.6	167.0	123.6	88.7	63.2	44.3	4.6	0.0	0.2	0.2
47.5°	85.5	83.9	75.7	65.4	50.4	37.5	24.2	2.0	0.0	0.2	0.2
50°	23.1	23.3	21.8	20.1	18.3	17.2	10.2	0.6	0.0	0.4	0.2
52.5°	9.8	10.0	9.6	9.1	8.1	6.1	4.1	0.2	0.2	0.4	0.4
55°	2.0	2.2	2.4	2.6	3.0	2.6	1.7	0.0	0.2	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.4	0.0	0.2	0.4	0.6
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4	0.6	0.6
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.7
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.7	0.7
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.7	0.7
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.7	0.7
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.7	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.4



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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	0.2	0.2	0.4	0.6	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.4
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°	8.5	8.5	8.5
2.5°	5.9	5.4	5.2
5°	4.1	3.5	3.1
7.5°	2.8	2.2	2.0
10°	1.8	1.5	1.3
12.5°	1.3	0.7	0.7
15°	0.7	0.6	0.6
17.5°	0.4	0.2	0.2
20°	0.2	0.2	0.2
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	0.2
39°	0.0	0.2	0.2
40°	0.0	0.2	0.2
42.5°	0.0	0.2	0.4
45°	0.2	0.4	0.6
47.5°	0.4	0.6	0.7
50°	0.4	0.7	0.7
52.5°	0.6	0.7	0.9
55°	0.6	0.9	0.9
57.5°	0.7	0.9	1.1
60°	0.7	0.9	0.9
62.5°	0.7	1.1	1.1
65°	0.9	1.1	1.1
67.5°	0.9	1.1	1.1
70°	0.7	0.9	1.1
72.5°	0.7	0.9	0.9
75°	0.6	0.7	0.7
77.5°	0.6	0.6	0.7
80°	0.4	0.6	0.6

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.4	0.4	0.4
85°	0.2	0.2	0.2
87.5°	0.2	0.2	0.2
90°	0.0	0.0	0.0

(END OF REPORT)