

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: P1333967

Luminaire Tested: P3A02R159024DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1333967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R159024DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

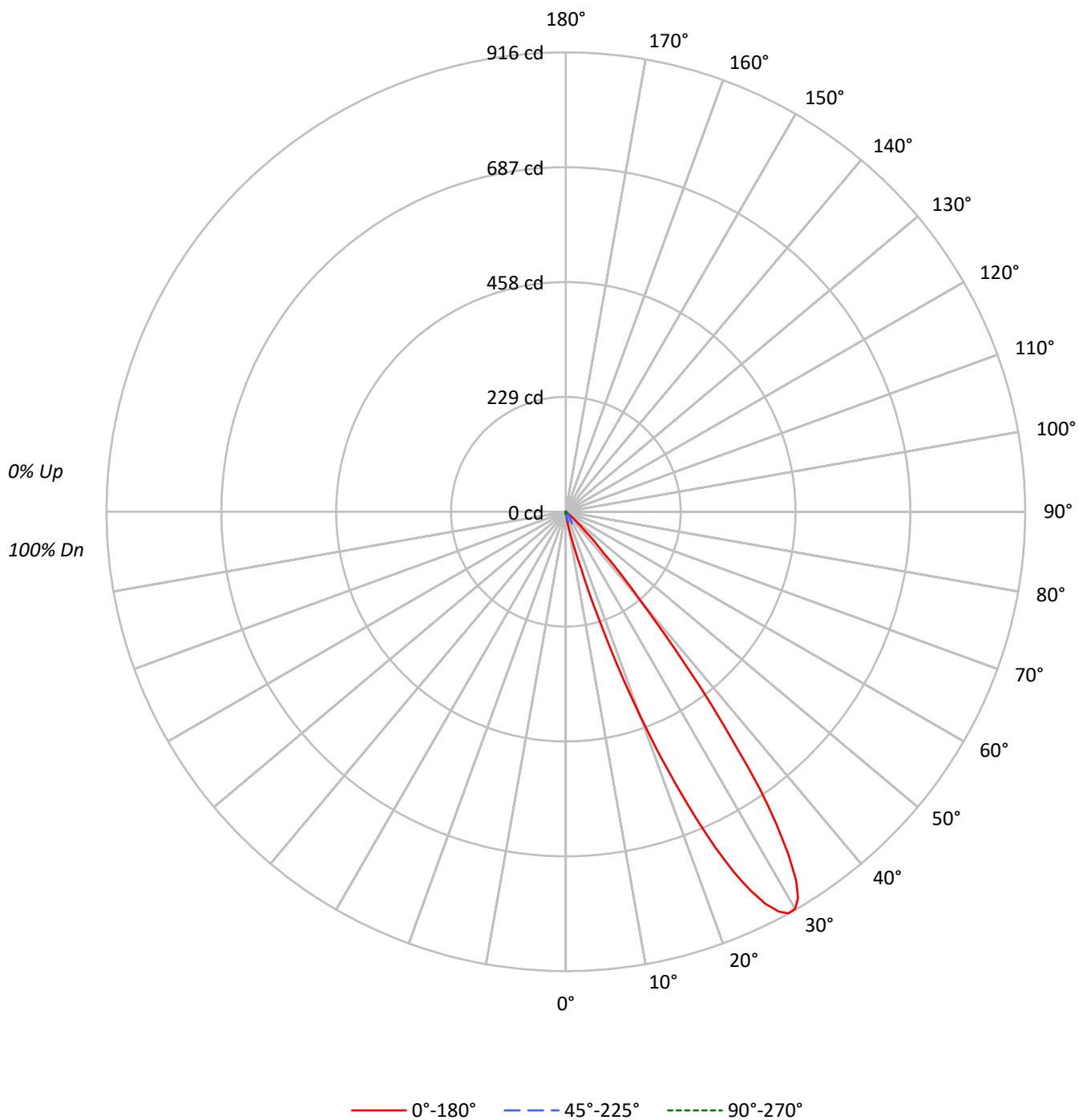
Lumens per Lamp: N/A
Luminaire Lumens: 100.0 lumens
Efficiency: N/A
Efficacy: 27.8 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	70	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	63	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	724	724	724	724	724
5°	1563	1167	682	374	308
10°	6925	2182	534	156	111
15°	26220	5062	386	68	45
20°	100809	7117	233	23	23
25°	191697	6678	121	0	0
30°	231580	5393	51	0	0
35°	180612	3667	27	0	0
40°	65895	1803	29	0	29
45°	16932	558	31	0	62
50°	2866	68	34	34	102
55°	382	0	76	115	191
60°	44	44	132	175	263
65°	52	52	208	259	311
70°	64	64	256	256	321
75°	85	85	339	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: 16932 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.5
10°-20°	7.7	7.7
20°-30°	42.5	42.5
30°-40°	41.1	41.0
40°-50°	7.1	7.1
50°-60°	0.5	0.5
60°-70°	0.3	0.3
70°-80°	0.3	0.3
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°	50.6	50.6
0°-40°	91.7	91.7
0°-60°	99.3	99.3
0°-90°	100.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	100.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3	3	3	3	3	
5°	7	5	3	2	1	1
15°	116	22	2	0	0	51
25°	792	28	0	0	0	354
35°	675	14	0	0	0	388
45°	55	2	0	0	0	59
55°	1	0	0	0	0	2
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°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	4.9	4.7	4.8	4.8	4.8	4.8	4.8	4.6	4.6	4.7	4.2
5°	7.1	7.1	7.0	7.1	7.1	7.0	6.8	6.7	6.7	6.5	5.3
7.5°	14.2	14.0	14.0	13.8	12.8	12.5	12.4	11.9	11.0	10.8	6.8
10°	31.1	31.2	30.5	29.7	29.6	28.1	27.6	26.8	25.1	23.4	9.8
12.5°	56.5	55.3	53.6	53.7	50.9	49.9	47.7	45.2	42.7	40.1	16.1
15°	115.5	111.9	114.0	108.8	102.8	96.1	89.3	80.7	73.4	65.7	22.3
17.5°	243.2	246.7	240.8	218.3	204.5	188.2	165.4	143.3	124.4	109.2	27.2
20°	432.0	437.2	417.0	397.5	363.9	327.3	289.2	246.0	204.7	168.9	30.5
21°	510.9	507.8	499.5	468.2	429.5	387.1	340.4	292.7	242.6	196.1	30.8
22°	587.2	588.6	569.3	536.6	496.3	449.3	392.3	333.5	279.5	218.3	30.3
23°	663.1	667.8	642.3	611.6	560.9	507.9	441.9	378.4	311.7	243.7	29.4
24°	733.5	730.2	713.0	674.3	620.1	558.1	489.6	412.5	338.1	265.4	28.6
25°	792.3	791.9	764.9	727.2	665.3	596.5	521.0	440.5	360.8	280.1	27.6
26°	840.5	832.6	811.3	765.4	704.2	631.6	546.8	460.8	373.5	287.4	26.7
27°	877.6	872.0	843.4	795.6	731.7	651.4	563.3	470.9	379.4	289.9	25.4
28°	902.6	896.5	866.0	816.8	746.9	663.9	572.1	475.2	379.4	287.5	24.2
29°	915.6	907.2	876.8	824.1	750.4	665.4	569.9	471.0	373.4	280.3	22.9
30°	914.6	904.2	872.4	817.5	740.0	653.4	558.0	455.9	360.0	269.6	21.3
31°	898.8	887.1	851.6	795.1	718.5	630.8	535.4	435.7	341.6	255.7	19.7
32°	866.8	852.0	817.4	761.1	685.4	597.1	502.6	404.5	314.1	235.4	18.1
33°	814.7	799.8	762.6	709.8	640.7	554.3	459.1	370.9	282.8	211.2	16.7
34°	749.4	735.8	703.8	650.6	584.2	500.1	409.1	324.5	250.3	187.2	15.3
35°	674.7	653.0	624.0	581.9	517.2	432.6	355.2	281.3	216.8	162.0	13.7
36°	573.6	577.5	546.8	495.2	441.6	375.3	301.0	234.5	181.3	138.0	12.4
37°	484.0	477.9	458.4	418.5	371.8	305.9	252.2	198.8	152.5	116.7	10.9
38°	390.5	391.8	372.7	342.0	295.7	251.6	203.0	163.3	127.6	99.3	9.5
39°	305.6	304.6	299.4	271.0	229.1	200.1	164.5	135.4	106.3	83.8	8.1
40°	230.2	232.0	219.9	202.8	178.4	154.6	131.0	108.0	87.9	70.6	6.3
42.5°	112.0	114.7	106.7	102.3	91.5	82.2	69.4	56.6	48.2	41.6	2.8
45°	54.6	53.0	52.3	50.2	47.7	42.6	37.7	32.4	28.3	24.4	1.8
47.5°	27.9	27.1	27.1	26.3	25.4	23.7	21.3	19.6	17.6	15.2	0.7
50°	8.4	8.3	8.2	8.3	8.0	8.3	8.5	8.6	7.8	7.7	0.2
52.5°	3.3	3.4	3.3	3.6	3.6	3.5	3.6	3.5	3.4	3.0	0.0
55°	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.2	1.1	1.2	0.0
57.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
60°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
62.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	3.9	3.4	2.8	2.3	2.1	2.0
5°	4.2	3.1	2.1	1.7	1.5	1.4
7.5°	4.5	2.8	1.7	1.2	0.9	0.8
10°	4.7	2.4	1.3	0.7	0.5	0.5
12.5°	4.7	1.9	0.9	0.4	0.3	0.3
15°	4.6	1.7	0.6	0.3	0.2	0.2
17.5°	4.5	1.3	0.4	0.2	0.1	0.2
20°	4.2	1.0	0.2	0.1	0.1	0.1
21°	4.1	0.9	0.2	0.1	0.1	0.1
22°	3.9	0.8	0.1	0.0	0.1	0.1
23°	3.7	0.6	0.1	0.0	0.0	0.0
24°	3.4	0.5	0.1	0.0	0.0	0.0
25°	3.2	0.5	0.1	0.0	0.0	0.0
26°	3.0	0.3	0.0	0.0	0.0	0.0
27°	2.7	0.2	0.0	0.0	0.0	0.0
28°	2.5	0.2	0.0	0.0	0.0	0.0
29°	2.2	0.2	0.0	0.0	0.0	0.0
30°	1.9	0.2	0.0	0.0	0.0	0.0
31°	1.6	0.1	0.0	0.0	0.0	0.0
32°	1.3	0.1	0.0	0.0	0.0	0.0
33°	0.9	0.1	0.0	0.0	0.0	0.0
34°	0.6	0.1	0.0	0.0	0.0	0.0
35°	0.5	0.1	0.0	0.0	0.0	0.0
36°	0.3	0.1	0.0	0.0	0.0	0.1
37°	0.3	0.1	0.0	0.0	0.0	0.1
38°	0.2	0.1	0.0	0.0	0.0	0.1
39°	0.1	0.1	0.0	0.0	0.0	0.1
40°	0.1	0.1	0.0	0.0	0.0	0.1
42.5°	0.0	0.1	0.0	0.0	0.1	0.2
45°	0.0	0.1	0.0	0.0	0.1	0.2
47.5°	0.0	0.1	0.0	0.0	0.2	0.2
50°	0.0	0.1	0.1	0.1	0.2	0.3
52.5°	0.0	0.2	0.1	0.2	0.3	0.4
55°	0.1	0.2	0.2	0.3	0.4	0.5
57.5°	0.1	0.3	0.3	0.4	0.5	0.5
60°	0.2	0.3	0.4	0.4	0.6	0.6
62.5°	0.2	0.4	0.4	0.4	0.6	0.6
65°	0.2	0.4	0.4	0.5	0.6	0.6
67.5°	0.2	0.4	0.4	0.4	0.5	0.6
70°	0.2	0.4	0.3	0.4	0.5	0.5
72.5°	0.2	0.4	0.3	0.3	0.4	0.5
75°	0.2	0.4	0.3	0.3	0.4	0.4
77.5°	0.2	0.3	0.3	0.2	0.3	0.3
80°	0.2	0.3	0.2	0.2	0.3	0.3



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.2	0.3	0.2	0.1	0.2	0.2
85°	0.2	0.3	0.2	0.1	0.1	0.1
87.5°	0.2	0.3	0.1	0.0	0.0	0.1
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)