

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: P1334085

Luminaire Tested: P3A02R159730DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334085
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: P3A02R159730DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

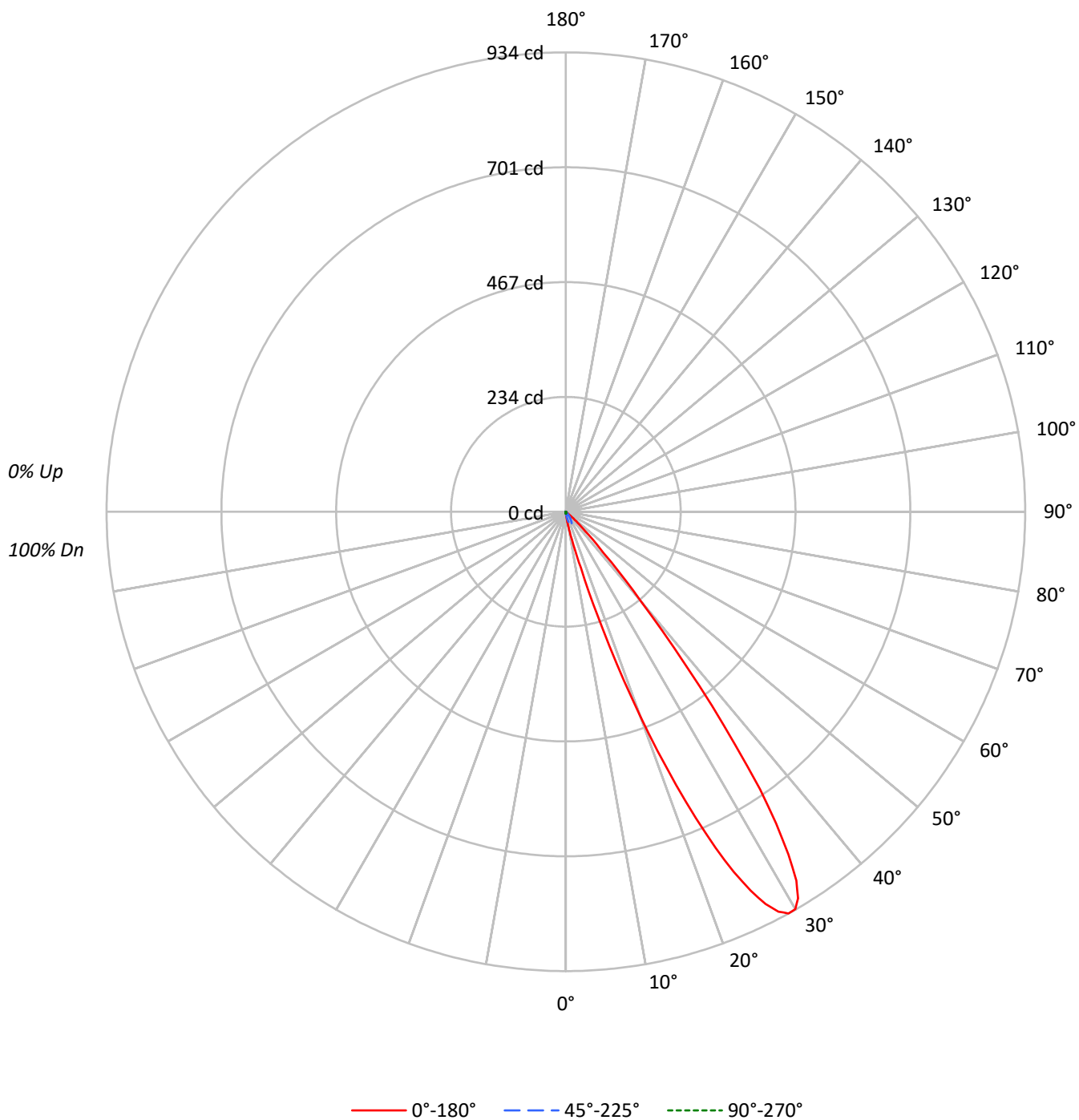
Lumens per Lamp: N/A
Luminaire Lumens: 102.0 lumens
Efficiency: N/A
Efficacy: 28.3 lumens/watt
Spacing Criteria (0/90/45): 2.34 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	99	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	53	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°	746	746	746	746	746
5°	1585	1189	704	374	308
10°	7081	2227	557	156	111
15°	26742	5153	386	68	45
20°	102816	7281	233	23	23
25°	195519	6823	121	0	0
30°	236214	5495	51	0	0
35°	184226	3748	27	0	0
40°	67240	1832	29	0	29
45°	17273	558	31	0	62
50°	2900	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: 17273 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.5
10°-20°	7.8	7.7
20°-30°	43.4	42.5
30°-40°	41.9	41.1
40°-50°	7.3	7.1
50°-60°	0.5	0.5
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°	51.6	50.6
0°-40°	93.5	91.7
0°-60°	101.3	99.3
0°-90°	102.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	102.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3	3	3	3	3	
5°	7	5	3	2	1	1
15°	118	23	2	0	0	52
25°	808	28	0	0	0	361
35°	688	14	0	0	0	396
45°	56	2	0	0	0	60
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°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	5.0	4.8	4.9	4.9	4.9	4.9	4.9	4.7	4.7	4.8	4.3
5°	7.2	7.2	7.1	7.2	7.2	7.1	6.9	6.8	6.8	6.6	5.4
7.5°	14.5	14.3	14.3	14.1	13.1	12.8	12.6	12.1	11.2	11.0	6.9
10°	31.8	31.8	31.2	30.3	30.2	28.7	28.2	27.3	25.6	23.9	10.0
12.5°	57.6	56.4	54.7	54.8	51.9	50.9	48.6	46.1	43.6	40.9	16.5
15°	117.8	114.1	116.3	110.9	104.9	98.0	91.1	82.4	74.9	67.0	22.7
17.5°	248.1	251.6	245.6	222.7	208.6	192.0	168.7	146.2	126.9	111.4	27.8
20°	440.6	445.9	425.4	405.4	371.2	333.9	295.0	250.9	208.8	172.2	31.2
21°	521.1	517.9	509.5	477.5	438.1	394.8	347.2	298.6	247.5	200.0	31.5
22°	598.9	600.4	580.7	547.3	506.2	458.3	400.2	340.1	285.1	222.7	31.0
23°	676.4	681.1	655.2	623.8	572.1	518.0	450.8	386.0	317.9	248.5	30.0
24°	748.1	744.8	727.3	687.8	632.5	569.2	499.4	420.8	344.9	270.7	29.2
25°	808.1	807.8	780.2	741.8	678.6	608.4	531.4	449.3	368.0	285.7	28.2
26°	857.3	849.2	827.5	780.7	718.3	644.2	557.7	470.0	381.0	293.2	27.2
27°	895.2	889.4	860.2	811.5	746.3	664.5	574.6	480.3	387.0	295.7	25.9
28°	920.7	914.4	883.4	833.2	761.8	677.2	583.5	484.7	387.0	293.3	24.7
29°	933.9	925.3	894.4	840.6	765.4	678.7	581.3	480.4	380.9	286.0	23.3
30°	932.9	922.3	889.8	833.8	754.8	666.5	569.1	465.0	367.2	275.0	21.7
31°	916.8	904.9	868.7	811.0	732.8	643.4	546.1	444.4	348.5	260.9	20.1
32°	884.2	869.1	833.7	776.3	699.1	609.0	512.7	412.6	320.4	240.1	18.5
33°	831.0	815.8	777.9	724.0	653.5	565.4	468.3	378.3	288.4	215.4	17.1
34°	764.4	750.5	717.9	663.6	595.9	510.1	417.3	331.0	255.3	190.9	15.6
35°	688.2	666.1	636.5	593.5	527.6	441.2	362.3	286.9	221.2	165.2	14.0
36°	585.1	589.1	557.7	505.1	450.5	382.8	307.0	239.2	184.9	140.8	12.6
37°	493.7	487.5	467.5	426.8	379.2	312.0	257.3	202.8	155.6	119.1	11.1
38°	398.3	399.7	380.1	348.9	301.6	256.6	207.1	166.6	130.2	101.3	9.7
39°	311.8	310.7	305.4	276.4	233.7	204.1	167.8	138.1	108.4	85.4	8.2
40°	234.9	236.6	224.3	206.9	182.0	157.7	133.6	110.1	89.7	72.0	6.4
42.5°	114.2	117.0	108.8	104.4	93.4	83.8	70.7	57.7	49.1	42.5	2.9
45°	55.7	54.1	53.4	51.2	48.6	43.5	38.5	33.0	28.9	24.9	1.8
47.5°	28.5	27.7	27.7	26.8	25.9	24.2	21.7	19.9	18.0	15.5	0.7
50°	8.5	8.4	8.3	8.4	8.1	8.4	8.6	8.7	7.9	7.8	0.2
52.5°	3.4	3.5	3.4	3.7	3.7	3.6	3.7	3.6	3.5	3.1	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°	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	4.0	3.5	2.9	2.4	2.2	2.1
5°	4.3	3.2	2.2	1.7	1.5	1.4
7.5°	4.6	2.9	1.7	1.2	0.9	0.8
10°	4.8	2.5	1.3	0.7	0.5	0.5
12.5°	4.8	2.0	0.9	0.4	0.3	0.3
15°	4.7	1.7	0.6	0.3	0.2	0.2
17.5°	4.6	1.3	0.4	0.2	0.1	0.2
20°	4.3	1.0	0.2	0.1	0.1	0.1
21°	4.2	0.9	0.2	0.1	0.1	0.1
22°	4.0	0.8	0.1	0.0	0.1	0.1
23°	3.8	0.6	0.1	0.0	0.0	0.0
24°	3.5	0.5	0.1	0.0	0.0	0.0
25°	3.3	0.5	0.1	0.0	0.0	0.0
26°	3.1	0.3	0.0	0.0	0.0	0.0
27°	2.8	0.2	0.0	0.0	0.0	0.0
28°	2.6	0.2	0.0	0.0	0.0	0.0
29°	2.3	0.2	0.0	0.0	0.0	0.0
30°	2.0	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)