

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: P1335065

Luminaire Tested: P3A02R309730DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335065
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: P3A02R309730DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

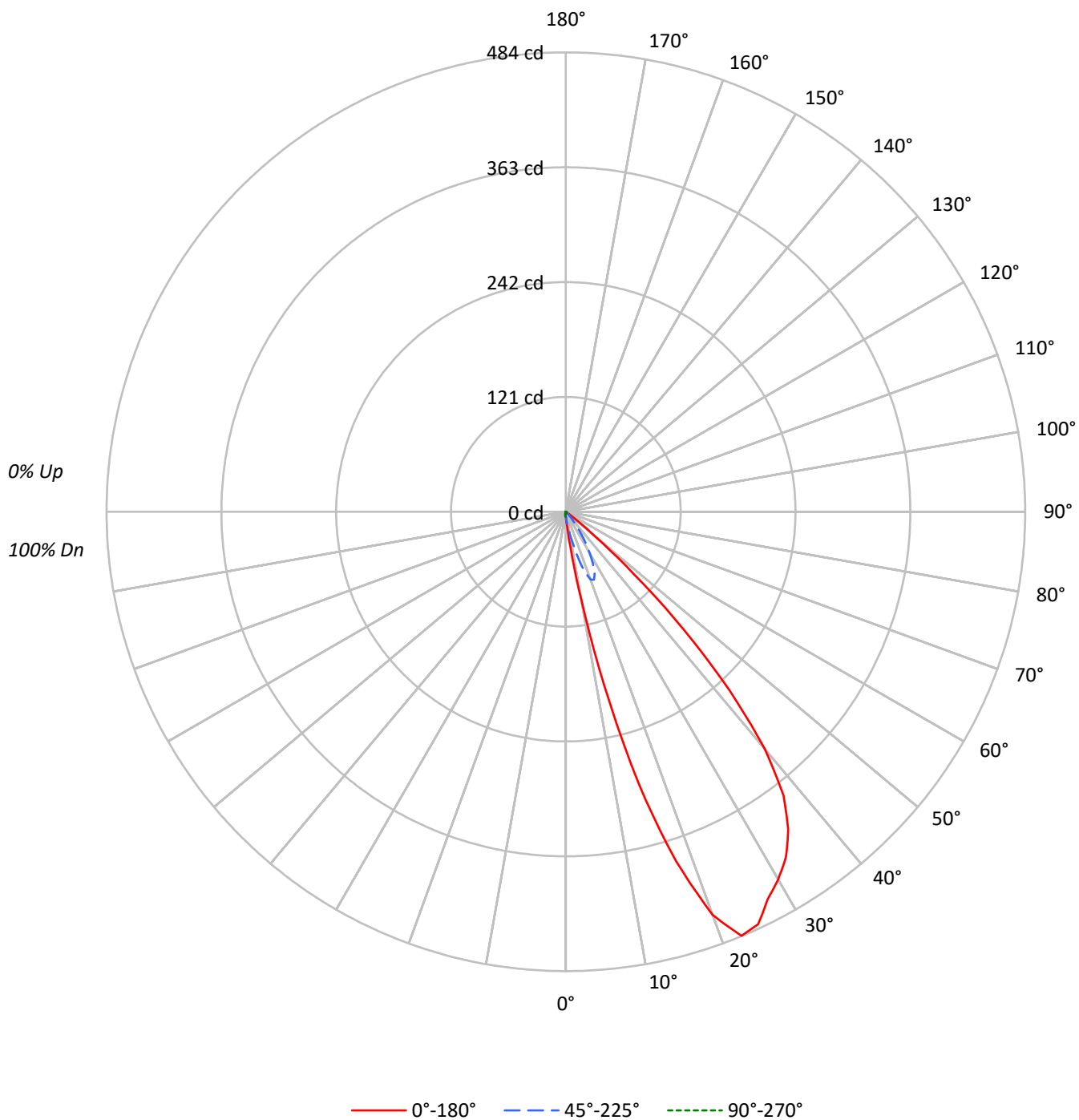
Lumens per Lamp: N/A
Luminaire Lumens: 114.0 lumens
Efficiency: N/A
Efficacy: 31.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	95	92	104	98	94	90	95	92	88	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	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	64	58	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	48	58	52	47	57	51	47	56	51	47	47	47	45
9	67	55	48	43	65	55	48	43	53	47	43	53	47	43	52	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1184	1184	1184	1184	1184
5°	3588	2377	1123	506	418
10°	20708	5054	891	223	156
15°	67378	11464	613	45	23
20°	105429	17735	397	0	0
25°	115991	17348	194	0	0
30°	113283	12508	76	0	0
35°	109352	7121	27	0	0
40°	93232	3006	0	0	0
45°	54734	1116	31	0	31
50°	13304	205	34	34	102
55°	1147	0	76	115	153
60°	44	0	88	132	219
65°	52	52	156	156	259
70°	64	64	192	192	256
75°	0	85	254	254	254
80°	0	126	379	253	253
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 54734 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.9
10°-20°	15.7	13.7
20°-30°	39.8	34.9
30°-40°	39.7	34.8
40°-50°	16.1	14.1
50°-60°	1.1	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°	56.5	49.6
0°-40°	96.2	84.4
0°-60°	113.3	99.5
0°-90°	114.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	114.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5	5	5	5	5	
5°	16	11	5	2	2	4
15°	297	50	3	0	0	86
25°	479	72	1	0	0	216
35°	408	27	0	0	0	250
45°	176	4	0	0	0	135
55°	3	0	0	0	0	8
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°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
2.5°	9.0	9.1	9.1	8.9	8.8	8.8	8.4	8.3	8.0	7.7	6.7
5°	16.3	15.9	15.5	15.5	14.6	14.1	13.3	12.5	11.9	10.8	7.7
7.5°	36.9	34.4	33.6	32.7	29.2	26.4	23.1	20.3	17.7	15.5	8.5
10°	93.0	88.1	84.1	75.8	65.5	55.6	46.5	35.8	28.5	22.7	9.2
12.5°	187.4	180.8	173.0	158.0	138.8	114.1	92.2	68.9	48.3	33.4	9.4
15°	296.8	285.6	273.4	254.4	222.8	187.4	147.9	110.7	77.6	50.5	9.2
17.5°	385.9	381.6	363.6	337.5	298.9	253.2	204.6	153.8	104.7	66.1	8.5
20°	451.8	448.8	427.0	399.3	355.7	303.4	241.7	180.6	123.5	76.0	7.6
22.5°	483.6	483.0	467.3	439.0	392.8	333.6	265.5	196.2	129.4	77.4	6.4
25°	479.4	481.3	472.3	451.3	407.0	345.9	272.6	196.2	125.1	71.7	5.3
27.5°	460.4	461.7	456.1	439.9	398.7	337.0	262.7	183.5	112.7	61.6	4.4
30°	447.4	447.9	441.0	423.7	379.9	316.6	239.4	160.2	94.0	49.4	3.2
32.5°	431.6	431.5	423.3	403.6	355.3	287.9	209.8	132.4	72.2	37.5	1.9
35°	408.5	405.8	394.8	372.0	318.7	249.4	172.0	100.8	52.0	26.6	1.1
37.5°	376.7	369.9	354.3	323.8	267.2	195.5	127.5	70.8	35.5	17.6	0.7
40°	325.7	318.6	297.3	260.2	202.1	140.7	85.9	46.1	22.4	10.5	0.4
42.5°	255.4	250.5	221.9	184.9	133.4	89.8	51.7	27.3	12.6	6.0	0.1
45°	176.5	170.1	147.6	116.3	80.1	49.8	29.0	14.3	7.2	3.6	0.0
47.5°	97.4	89.6	76.6	60.2	40.3	26.1	14.6	7.7	4.1	1.8	0.0
50°	39.0	38.6	30.7	21.9	15.4	11.9	7.3	4.2	2.1	0.6	0.1
52.5°	13.6	13.6	11.8	9.6	7.5	5.4	3.6	2.0	0.7	0.2	0.1
55°	3.0	3.3	3.1	2.9	2.8	2.4	1.6	0.7	0.2	0.0	0.1
57.5°	0.3	0.3	0.3	0.4	0.5	0.5	0.4	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	0.3
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
75°	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.3
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°	5.4	5.4	5.4	5.4	5.4
2.5°	5.4	4.3	3.5	3.1	3.0
5°	5.1	3.2	2.3	2.0	1.9
7.5°	4.6	2.4	1.6	1.3	1.1
10°	4.0	1.8	1.0	0.7	0.7
12.5°	3.3	1.4	0.6	0.3	0.2
15°	2.7	0.8	0.2	0.1	0.1
17.5°	2.1	0.5	0.0	0.0	0.0
20°	1.7	0.2	0.0	0.0	0.0
22.5°	1.3	0.1	0.0	0.0	0.0
25°	0.8	0.0	0.0	0.0	0.0
27.5°	0.5	0.0	0.0	0.0	0.0
30°	0.3	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	0.3
52.5°	0.2	0.1	0.2	0.3	0.3
55°	0.2	0.2	0.3	0.4	0.4
57.5°	0.2	0.2	0.3	0.4	0.4
60°	0.2	0.2	0.3	0.4	0.5
62.5°	0.3	0.3	0.3	0.4	0.4
65°	0.3	0.3	0.3	0.4	0.5
67.5°	0.3	0.3	0.3	0.4	0.5
70°	0.3	0.3	0.3	0.4	0.4
72.5°	0.4	0.3	0.3	0.4	0.4
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.2	0.3	0.3
80°	0.3	0.2	0.2	0.2	0.2
82.5°	0.3	0.2	0.2	0.2	0.2
85°	0.3	0.2	0.1	0.1	0.1
87.5°	0.3	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)