

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: P1334645

Luminaire Tested: P3A02R259030D2WDE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334645
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: P3A02R259030D2WDE010 E3A301GPH
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

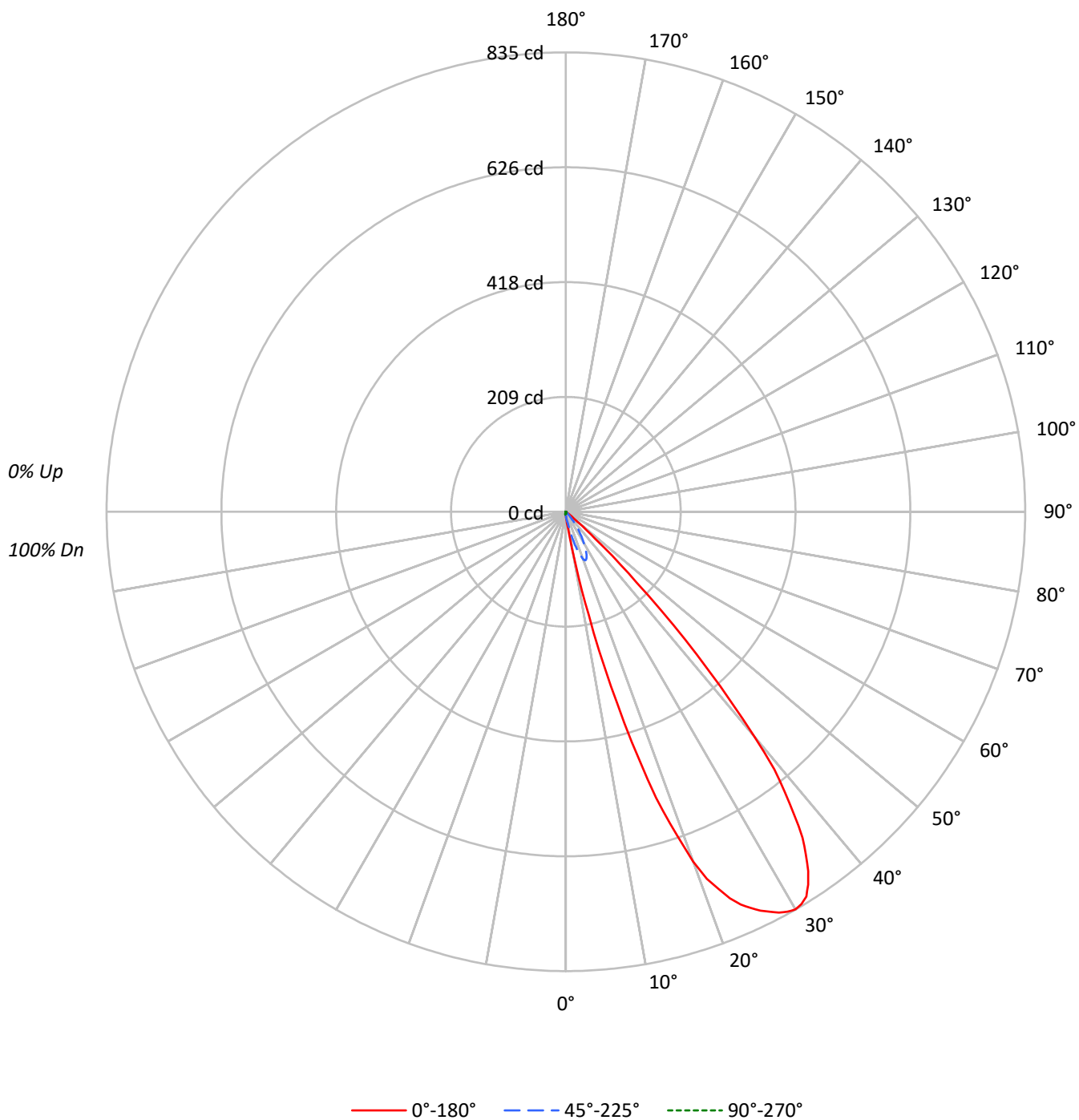
Lumens per Lamp: N/A
Luminaire Lumens: 167.1 lumens
Efficiency: N/A
Efficacy: 23.2 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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°	1579	1579	1579	1579	1579
5°	3940	2906	1475	748	572
10°	17234	4965	1225	356	245
15°	81998	13371	840	136	114
20°	157840	21422	537	47	47
25°	192229	21606	290	0	0
30°	211349	16534	127	0	0
35°	203660	10520	54	0	0
40°	152171	4551	0	0	57
45°	56347	1209	62	62	155
50°	6652	171	102	102	205
55°	650	0	115	191	306
60°	88	0	219	263	351
65°	104	104	311	415	467
70°	128	128	385	385	577
75°	169	169	424	424	508
80°	0	253	631	379	631
85°	0	503	1258	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 56347 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.6
10°-20°	19.5	11.7
20°-30°	61.1	36.6
30°-40°	64.3	38.5
40°-50°	18.9	11.3
50°-60°	1.0	0.6
60°-70°	0.5	0.3
70°-80°	0.4	0.3
80°-90°	0.2	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°	81.6	48.9
0°-40°	146.0	87.4
0°-60°	165.9	99.3
0°-90°	167.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	167.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	18	13	7	3	3	3
15°	361	59	4	1	0	114
25°	794	89	1	0	0	364
35°	761	39	0	0	0	459
45°	182	4	0	0	0	165
55°	2	0	0	0	1	4
65°	0	0	1	1	1	0
75°	0	0	0	0	1	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°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
2.5°	11.1	11.2	10.8	11.1	10.8	10.6	10.4	9.7	8.4	7.2	5.9
5°	17.9	17.9	17.1	17.0	16.7	16.0	15.4	13.2	9.5	6.7	4.7
7.5°	28.0	27.9	27.6	26.8	25.2	23.7	22.1	17.3	10.4	6.2	3.6
10°	77.4	76.3	74.9	66.5	57.0	48.6	41.3	22.3	11.2	5.5	2.6
12.5°	192.4	186.2	171.4	154.6	133.1	110.5	88.3	36.3	11.5	4.5	1.9
15°	361.2	348.2	325.2	291.5	247.6	198.2	156.1	58.9	11.2	3.7	1.4
17.5°	545.3	532.9	500.9	449.8	385.2	309.3	234.8	78.1	10.4	3.1	0.9
20°	676.4	663.1	633.2	579.0	509.0	407.9	309.1	91.8	9.8	2.3	0.5
21°	714.7	701.5	669.8	617.5	543.9	442.5	333.0	94.1	9.3	2.0	0.3
22°	739.0	731.2	697.3	646.5	571.5	470.2	353.4	95.2	9.0	1.9	0.3
23°	763.5	751.8	720.0	666.4	592.6	490.8	368.5	94.4	8.7	1.6	0.2
24°	781.6	771.7	734.8	681.8	607.2	503.4	377.4	92.4	8.3	1.4	0.2
25°	794.5	785.5	747.0	692.3	617.0	510.3	380.2	89.3	7.8	1.2	0.2
26°	806.8	797.0	757.1	698.4	622.2	512.5	377.5	85.9	7.3	1.1	0.0
27°	815.7	805.7	764.1	701.9	622.5	509.8	370.4	81.2	6.9	0.9	0.0
28°	825.2	813.7	768.9	704.0	620.6	503.6	360.1	76.2	6.5	0.8	0.0
29°	831.0	820.0	773.9	706.1	616.7	493.1	345.1	70.3	5.8	0.5	0.0
30°	834.7	821.8	773.5	703.8	611.6	481.9	327.2	65.3	5.0	0.5	0.0
31°	831.6	818.0	768.5	697.3	603.3	467.3	308.8	59.1	4.1	0.3	0.0
32°	824.9	808.8	759.7	685.9	588.5	448.4	289.8	53.9	3.0	0.3	0.0
33°	808.5	795.0	744.0	670.6	569.2	422.9	265.0	48.9	2.0	0.2	0.0
34°	787.9	774.4	722.5	650.2	543.3	389.8	235.0	43.8	1.7	0.2	0.0
35°	760.8	747.4	698.2	621.7	509.0	350.1	204.0	39.3	1.4	0.2	0.0
36°	732.3	714.6	667.5	591.3	463.1	304.9	170.8	34.1	1.1	0.2	0.0
37°	690.4	678.4	626.2	545.0	413.4	261.6	146.6	29.4	0.8	0.2	0.0
38°	646.9	635.9	584.9	498.4	357.9	218.8	122.8	24.9	0.6	0.0	0.0
39°	602.1	583.7	533.3	438.8	299.8	183.2	103.3	20.9	0.3	0.0	0.0
40°	531.6	517.6	463.9	367.1	248.1	148.5	88.0	15.9	0.3	0.0	0.0
42.5°	352.4	339.4	283.0	199.1	131.8	86.8	58.1	6.2	0.0	0.2	0.0
45°	181.7	173.4	140.9	104.2	74.8	53.3	37.4	3.9	0.0	0.2	0.2
47.5°	72.1	70.7	63.9	55.2	42.5	31.6	20.4	1.7	0.0	0.2	0.2
50°	19.5	19.6	18.4	17.0	15.4	14.5	8.6	0.5	0.0	0.3	0.2
52.5°	8.3	8.4	8.1	7.6	6.9	5.1	3.4	0.2	0.2	0.3	0.3
55°	1.7	1.9	2.0	2.2	2.5	2.2	1.4	0.0	0.2	0.3	0.3
57.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.3	0.0	0.2	0.3	0.5
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.3	0.5	0.5
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.6
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.6	0.6
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.6	0.6
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.6	0.6
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.6	0.5
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3	0.5	0.3



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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	0.3	0.5	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.3
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°	7.2	7.2	7.2
2.5°	5.0	4.5	4.4
5°	3.4	3.0	2.6
7.5°	2.3	1.9	1.7
10°	1.6	1.2	1.1
12.5°	1.1	0.6	0.6
15°	0.6	0.5	0.5
17.5°	0.3	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	0.3
45°	0.2	0.3	0.5
47.5°	0.3	0.5	0.6
50°	0.3	0.6	0.6
52.5°	0.5	0.6	0.8
55°	0.5	0.8	0.8
57.5°	0.6	0.8	0.9
60°	0.6	0.8	0.8
62.5°	0.6	0.9	0.9
65°	0.8	0.9	0.9
67.5°	0.8	0.9	0.9
70°	0.6	0.8	0.9
72.5°	0.6	0.8	0.8
75°	0.5	0.6	0.6
77.5°	0.5	0.5	0.6
80°	0.3	0.5	0.5

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.3	0.3	0.3
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)