

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: P1335017

Luminaire Tested: P3A02R309040DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335017
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: P3A02R309040DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

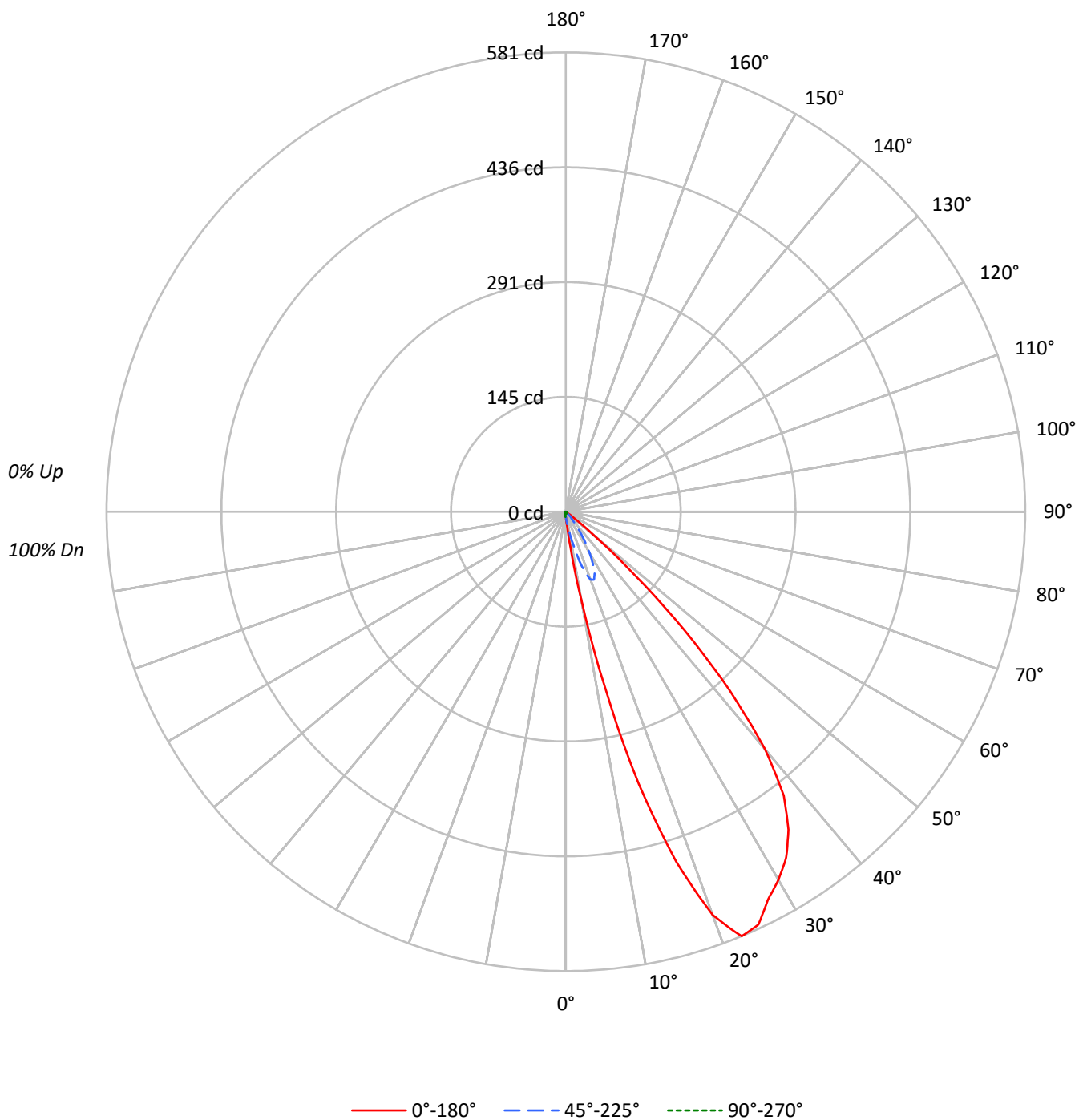
Lumens per Lamp: N/A
Luminaire Lumens: 137.0 lumens
Efficiency: N/A
Efficacy: 38.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			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	80	70	63	58	68	62	58		67	61	57		65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52		61	56	52		60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	66	55	48	43	65	55	48	43	53	47	43		52	47	43		52	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39		49	43	39		48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1425	1425	1425	1425	1425
5°	4292	2862	1343	616	506
10°	24894	6079	1069	289	200
15°	80977	13780	749	68	23
20°	126688	21329	467	0	0
25°	139387	20832	242	0	0
30°	136148	15015	101	0	0
35°	131410	8539	27	0	0
40°	112067	3607	0	0	0
45°	65774	1364	31	0	31
50°	15965	273	34	34	136
55°	1376	0	115	153	191
60°	44	0	132	175	263
65°	52	52	208	208	311
70°	64	64	256	256	321
75°	0	85	339	339	339
80°	0	126	505	379	379
85°	0	252	1006	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 65774 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.9
10°-20°	18.8	13.7
20°-30°	47.8	34.9
30°-40°	47.7	34.8
40°-50°	19.3	14.1
50°-60°	1.3	1.0
60°-70°	0.3	0.2
70°-80°	0.3	0.2
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°	67.9	49.5
0°-40°	115.6	84.3
0°-60°	136.2	99.4
0°-90°	137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	137.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	20	13	6	3	2	5
15°	357	61	3	0	0	104
25°	576	86	1	0	0	260
35°	491	32	0	0	0	301
45°	212	4	0	0	0	162
55°	4	0	0	0	0	9
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°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
2.5°	10.8	10.9	10.9	10.6	10.5	10.5	10.1	10.0	9.6	9.3	8.0
5°	19.5	19.2	18.7	18.7	17.5	16.9	16.0	15.0	14.3	13.0	9.3
7.5°	44.3	41.3	40.4	39.3	35.1	31.7	27.8	24.4	21.3	18.7	10.3
10°	111.8	105.9	101.0	91.1	78.7	66.8	55.8	43.1	34.3	27.3	11.0
12.5°	225.2	217.3	207.9	189.9	166.7	137.1	110.8	82.7	58.1	40.2	11.3
15°	356.7	343.3	328.6	305.7	267.8	225.2	177.8	133.1	93.3	60.7	11.0
17.5°	463.8	458.6	436.9	405.6	359.2	304.3	245.9	184.8	125.8	79.5	10.3
20°	542.9	539.3	513.1	479.8	427.5	364.7	290.4	217.1	148.5	91.4	9.1
22.5°	581.1	580.5	561.6	527.5	472.1	400.8	319.1	235.7	155.5	93.0	7.6
25°	576.1	578.4	567.6	542.3	489.1	415.7	327.6	235.7	150.3	86.1	6.4
27.5°	553.3	554.8	548.1	528.7	479.1	405.0	315.7	220.6	135.5	74.0	5.3
30°	537.7	538.3	529.9	509.1	456.6	380.4	287.7	192.5	112.9	59.3	3.9
32.5°	518.6	518.5	508.8	485.0	427.0	346.0	252.1	159.1	86.8	45.1	2.3
35°	490.9	487.7	474.5	447.0	382.9	299.7	206.7	121.2	62.5	31.9	1.4
37.5°	452.7	444.5	425.8	389.1	321.1	235.0	153.2	85.1	42.7	21.2	0.9
40°	391.5	382.8	357.3	312.7	242.9	169.1	103.3	55.5	26.9	12.6	0.5
42.5°	307.0	301.1	266.6	222.2	160.4	107.9	62.1	32.8	15.1	7.3	0.1
45°	212.1	204.4	177.4	139.7	96.3	59.8	34.8	17.2	8.6	4.4	0.0
47.5°	117.0	107.7	92.0	72.4	48.4	31.4	17.5	9.3	4.9	2.1	0.0
50°	46.8	46.4	36.9	26.3	18.5	14.3	8.8	5.0	2.5	0.8	0.1
52.5°	16.4	16.4	14.1	11.5	9.0	6.5	4.4	2.4	0.9	0.3	0.1
55°	3.6	4.0	3.8	3.5	3.4	2.9	1.9	0.9	0.3	0.0	0.1
57.5°	0.4	0.4	0.4	0.5	0.6	0.6	0.5	0.3	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	0.3
62.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.3
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
75°	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.4
77.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	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):

	90°	112.5°	135°	157.5°	180°
0°	6.5	6.5	6.5	6.5	6.5
2.5°	6.5	5.1	4.3	3.8	3.6
5°	6.1	3.9	2.8	2.4	2.3
7.5°	5.5	2.9	1.9	1.5	1.4
10°	4.8	2.1	1.3	0.9	0.9
12.5°	4.0	1.6	0.8	0.4	0.3
15°	3.3	1.0	0.3	0.1	0.1
17.5°	2.5	0.6	0.0	0.0	0.0
20°	2.0	0.3	0.0	0.0	0.0
22.5°	1.5	0.1	0.0	0.0	0.0
25°	1.0	0.0	0.0	0.0	0.0
27.5°	0.6	0.0	0.0	0.0	0.0
30°	0.4	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	0.3	0.3
50°	0.1	0.1	0.1	0.3	0.4
52.5°	0.3	0.1	0.3	0.4	0.4
55°	0.3	0.3	0.4	0.5	0.5
57.5°	0.3	0.3	0.4	0.5	0.5
60°	0.3	0.3	0.4	0.5	0.6
62.5°	0.4	0.4	0.4	0.5	0.5
65°	0.4	0.4	0.4	0.5	0.6
67.5°	0.4	0.4	0.4	0.5	0.6
70°	0.4	0.4	0.4	0.5	0.5
72.5°	0.5	0.4	0.4	0.5	0.5
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.3	0.4	0.4
80°	0.4	0.3	0.3	0.3	0.3
82.5°	0.4	0.3	0.3	0.3	0.3
85°	0.4	0.3	0.1	0.1	0.1
87.5°	0.4	0.3	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)