

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: P1335434

Luminaire Tested: P3A02R359740DE010 E3A301H

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R359740DE010 E3A301H
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3A301H TRIM
Light Source: -
Ballast/Driver: -

Summary

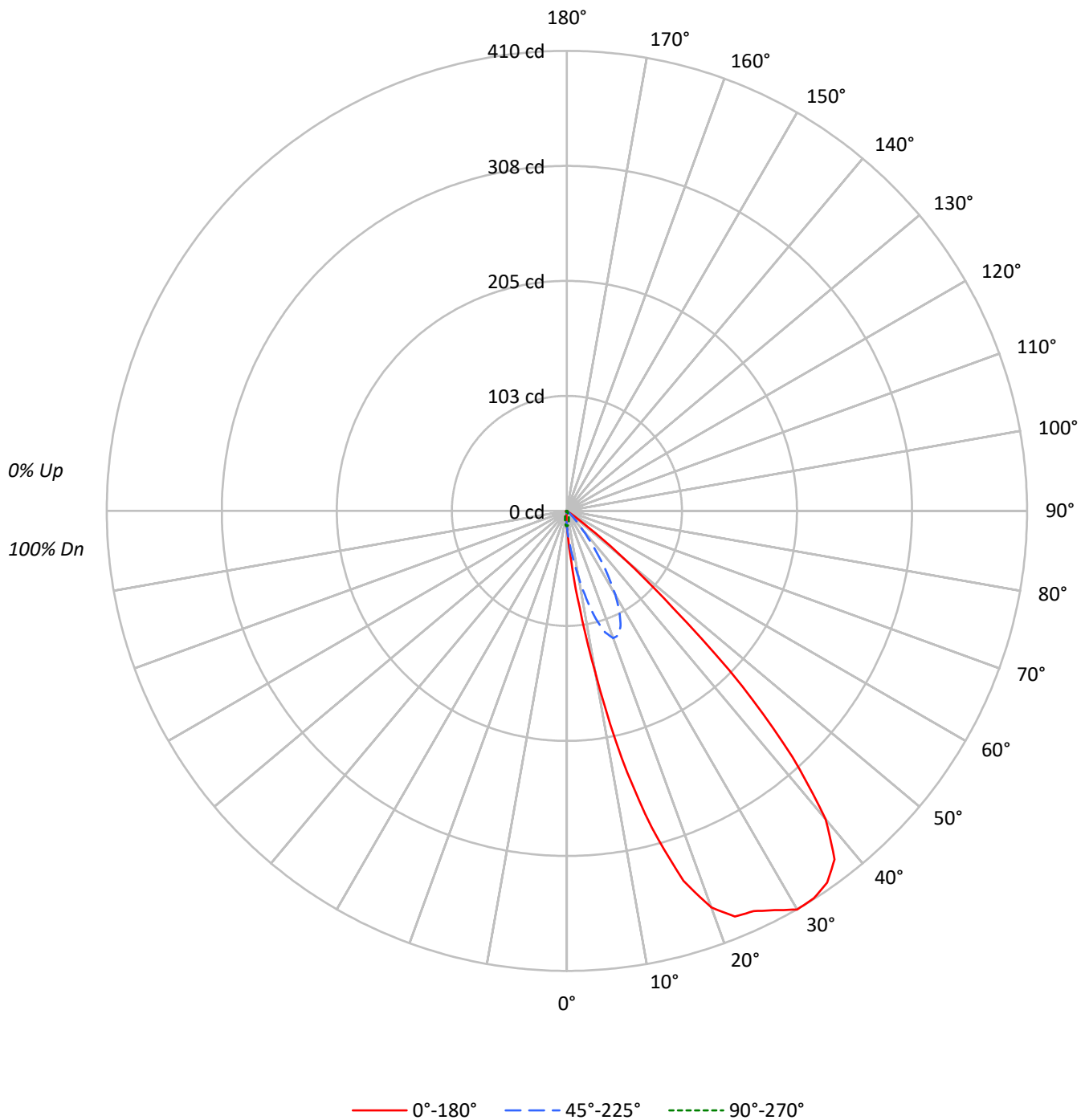
Lumens per Lamp: N/A
Luminaire Lumens: 128.9 lumens
Efficiency: N/A
Efficacy: 35.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	104	102	103	101	99		99	98	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79		85	81	77		82	79	76	74
4	92	84	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70	66	62	61
6	81	70	63	58	79	69	63	58	68	62	57		66	61	57		65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47		56	51	47		55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43		52	46	42		51	46	42	41
10	62	51	44	39	61	50	43	39	49	43	39		48	43	39		47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2960	2960	2960	2960	2960
5°	10125	6582	2773	1167	858
10°	32576	13338	2182	445	289
15°	66357	22611	1544	159	114
20°	87741	28166	1003	47	47
25°	95207	27364	556	24	48
30°	103864	21826	228	25	51
35°	108228	13572	54	27	54
40°	102678	5925	29	57	86
45°	68565	2357	31	93	186
50°	22993	409	68	171	239
55°	1300	38	76	229	306
60°	88	44	132	263	351
65°	104	52	156	311	415
70°	64	64	192	385	449
75°	85	85	254	424	508
80°	0	126	379	379	379
85°	0	252	755	252	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 68565 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	1.8
10°-20°	18.5	14.4
20°-30°	39.1	30.3
30°-40°	44.4	34.4
40°-50°	21.8	16.9
50°-60°	1.9	1.5
60°-70°	0.4	0.3
70°-80°	0.3	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°	60.0	46.5
0°-40°	104.3	80.9
0°-60°	128.1	99.3
0°-90°	128.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	128.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	46	30	13	5	4	8
15°	292	100	7	1	0	83
25°	394	113	2	0	0	183
35°	404	51	0	0	0	249
45°	221	8	0	0	1	163
55°	3	0	0	1	1	13
65°	0	0	0	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°	35°	40°	45°	67.5°
0°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
2.5°	23.5	24.1	23.9	23.7	23.6	23.2	22.1	22.0	21.0	20.3	16.8
5°	46.0	45.0	45.3	44.0	42.4	40.1	38.6	35.3	32.7	29.9	19.6
7.5°	86.6	85.3	82.9	79.2	75.4	70.4	62.9	56.9	49.9	43.3	21.8
10°	146.3	145.6	142.4	132.9	124.6	111.3	98.8	85.6	72.6	59.9	23.3
12.5°	225.9	221.2	215.5	202.9	186.4	169.8	145.1	122.3	101.6	80.2	23.4
15°	292.3	289.3	281.3	264.8	245.0	220.9	191.6	161.0	129.7	99.6	22.2
17.5°	345.7	341.0	330.7	314.6	291.8	260.5	226.3	188.9	150.8	113.4	20.3
20°	376.0	373.6	365.7	349.6	324.7	290.5	251.5	208.0	164.0	120.7	17.7
22.5°	391.3	389.5	383.8	370.9	347.6	313.2	268.5	217.9	167.8	119.9	15.1
25°	393.5	393.0	388.0	378.3	358.9	324.8	275.9	219.8	164.7	113.1	12.5
27.5°	401.1	399.5	393.6	383.9	364.3	326.8	273.4	213.4	154.6	101.3	10.4
30°	410.2	409.0	403.1	393.0	369.9	324.9	264.4	199.3	138.5	86.2	7.8
32.5°	409.5	409.0	404.0	393.4	365.9	314.0	248.3	178.1	116.6	68.0	4.9
35°	404.3	402.6	396.4	379.9	343.5	286.0	217.7	149.4	92.3	50.7	3.1
37.5°	391.7	388.3	377.7	349.8	303.3	242.8	177.3	115.3	65.3	33.9	2.0
40°	358.7	354.3	333.2	299.5	250.7	191.3	131.9	79.3	43.1	20.7	0.8
42.5°	297.6	288.7	267.5	232.9	187.1	135.3	86.6	51.4	25.4	12.5	0.2
45°	221.1	214.2	192.0	160.6	122.6	86.7	52.5	27.8	14.0	7.6	0.1
47.5°	128.8	124.6	113.1	92.5	67.7	45.5	26.9	14.9	8.2	3.7	0.1
50°	67.4	62.2	53.5	40.5	29.9	21.0	13.1	8.0	4.1	1.2	0.1
52.5°	23.6	23.3	21.2	16.0	13.0	9.4	6.4	3.5	1.2	0.2	0.1
55°	3.4	3.4	3.1	3.5	3.7	3.4	2.2	0.9	0.2	0.1	0.1
57.5°	0.2	0.2	0.2	0.3	0.5	0.5	0.3	0.1	0.1	0.1	0.2
60°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
62.5°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
65°	0.2	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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
77.5°	0.0	0.1	0.1	0.1	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	0.1	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	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	0.1	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°	13.5	13.5	13.5	13.5	13.5
2.5°	13.4	10.8	8.6	7.5	7.2
5°	12.6	8.1	5.3	4.2	3.9
7.5°	11.2	5.8	3.2	2.3	2.2
10°	9.8	4.2	2.0	1.4	1.3
12.5°	8.2	2.9	1.3	0.8	0.7
15°	6.8	2.0	0.7	0.6	0.5
17.5°	5.4	1.3	0.5	0.3	0.5
20°	4.3	0.8	0.2	0.2	0.2
22.5°	3.2	0.5	0.2	0.2	0.2
25°	2.3	0.2	0.1	0.1	0.2
27.5°	1.6	0.1	0.1	0.1	0.2
30°	0.9	0.1	0.1	0.1	0.2
32.5°	0.5	0.1	0.1	0.2	0.2
35°	0.2	0.1	0.1	0.2	0.2
37.5°	0.1	0.1	0.1	0.2	0.3
40°	0.1	0.1	0.2	0.3	0.3
42.5°	0.1	0.1	0.2	0.3	0.5
45°	0.1	0.2	0.3	0.5	0.6
47.5°	0.2	0.2	0.5	0.6	0.7
50°	0.2	0.3	0.5	0.7	0.7
52.5°	0.2	0.3	0.6	0.7	0.8
55°	0.2	0.5	0.6	0.8	0.8
57.5°	0.3	0.5	0.6	0.8	0.8
60°	0.3	0.5	0.6	0.8	0.8
62.5°	0.3	0.5	0.6	0.8	0.8
65°	0.3	0.5	0.6	0.8	0.8
67.5°	0.3	0.5	0.6	0.7	0.8
70°	0.3	0.5	0.6	0.7	0.7
72.5°	0.5	0.5	0.6	0.7	0.7
75°	0.3	0.5	0.5	0.6	0.6
77.5°	0.3	0.3	0.3	0.5	0.5
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.2	0.2	0.3	0.3
85°	0.3	0.2	0.1	0.2	0.2
87.5°	0.2	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)