

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: P1335390

Luminaire Tested: P3A02R359727DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335390
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: P3A02R359727DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

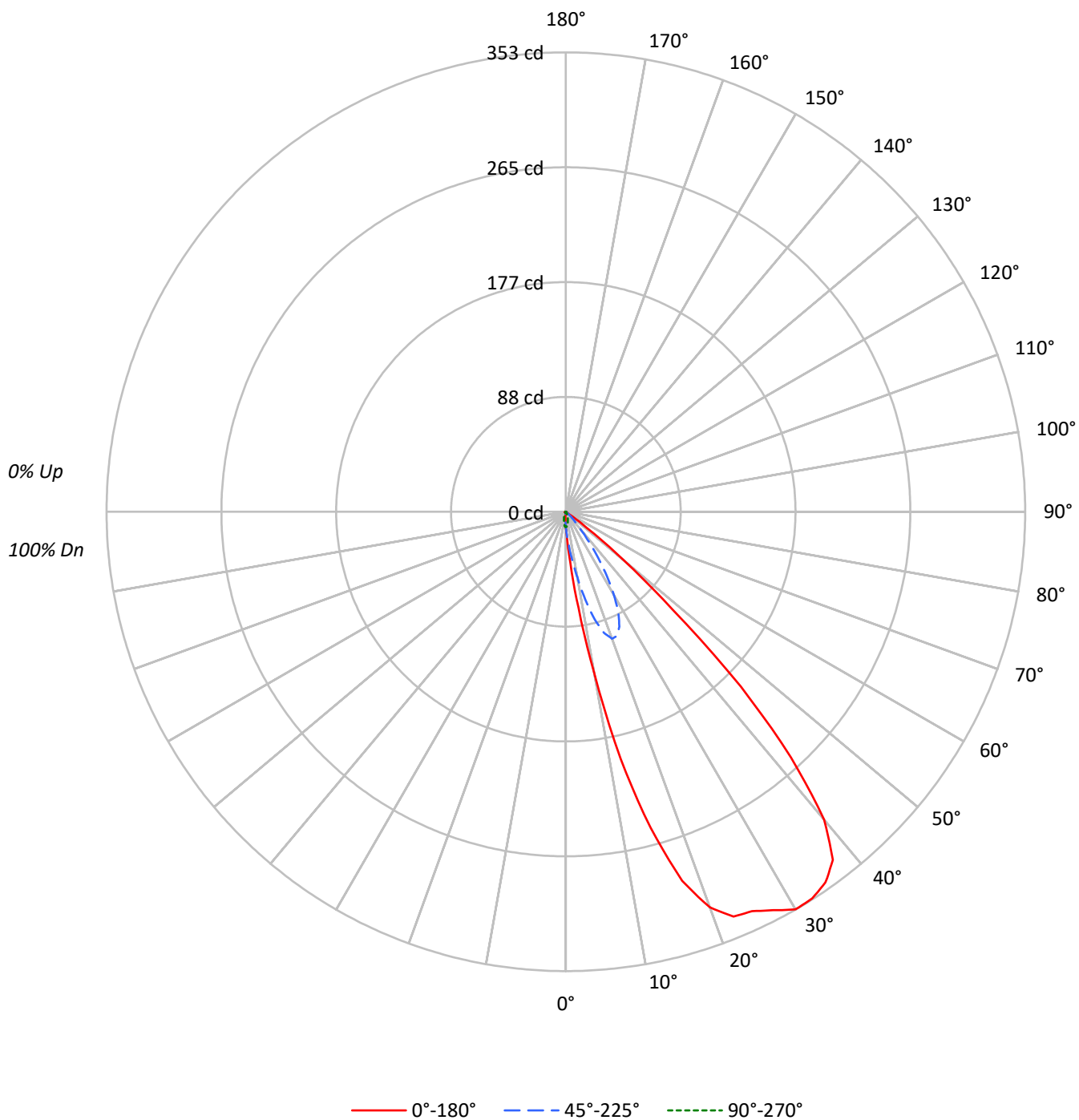
Lumens per Lamp: N/A
Luminaire Lumens: 111.0 lumens
Efficiency: N/A
Efficacy: 30.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	93	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	84	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	76	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	69	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	56	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	51	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	46	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	42	42	41
10	62	50	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°	2566	2566	2566	2566	2566
5°	8717	5657	2399	1013	748
10°	28011	11467	1893	379	245
15°	57095	19455	1339	136	91
20°	75490	24222	863	47	47
25°	81924	23542	484	24	48
30°	89356	18762	203	25	51
35°	93103	11671	54	27	54
40°	88366	5095	29	57	86
45°	58983	2047	31	93	155
50°	19786	341	68	136	205
55°	1109	38	76	191	268
60°	88	44	132	219	307
65°	104	52	156	259	363
70°	64	64	192	321	385
75°	85	85	254	339	424
80°	0	126	379	379	379
85°	0	252	755	252	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 58983 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	1.8
10°-20°	15.9	14.4
20°-30°	33.7	30.3
30°-40°	38.2	34.4
40°-50°	18.8	16.9
50°-60°	1.6	1.5
60°-70°	0.3	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°	51.6	46.5
0°-40°	89.8	80.9
0°-60°	110.2	99.3
0°-90°	111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	111.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	40	26	11	5	3	7
15°	252	86	6	1	0	71
25°	339	97	2	0	0	158
35°	348	44	0	0	0	214
45°	190	7	0	0	0	141
55°	3	0	0	0	1	11
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°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
2.5°	20.2	20.7	20.5	20.4	20.3	19.9	19.0	18.9	18.0	17.4	14.4
5°	39.6	38.8	39.0	37.9	36.5	34.5	33.2	30.4	28.1	25.7	16.8
7.5°	74.5	73.4	71.3	68.2	64.9	60.6	54.1	48.9	42.9	37.3	18.7
10°	125.8	125.2	122.6	114.4	107.2	95.8	85.0	73.6	62.5	51.5	20.0
12.5°	194.4	190.3	185.4	174.6	160.4	146.1	124.8	105.2	87.4	69.1	20.1
15°	251.5	248.9	242.0	227.9	210.8	190.1	164.9	138.5	111.6	85.7	19.1
17.5°	297.4	293.4	284.6	270.7	251.1	224.2	194.7	162.5	129.7	97.5	17.4
20°	323.5	321.4	314.7	300.8	279.4	250.0	216.4	179.0	141.1	103.8	15.2
22.5°	336.7	335.2	330.2	319.1	299.1	269.5	231.1	187.5	144.4	103.1	13.0
25°	338.6	338.2	333.9	325.5	308.8	279.5	237.4	189.1	141.7	97.3	10.8
27.5°	345.2	343.8	338.7	330.3	313.5	281.2	235.3	183.6	133.0	87.2	9.0
30°	352.9	351.9	346.8	338.2	318.3	279.6	227.5	171.5	119.2	74.1	6.7
32.5°	352.3	351.9	347.6	338.5	314.9	270.2	213.6	153.2	100.3	58.5	4.2
35°	347.8	346.5	341.1	326.9	295.5	246.1	187.3	128.5	79.4	43.6	2.7
37.5°	337.1	334.1	325.0	301.0	261.0	208.9	152.5	99.2	56.2	29.2	1.7
40°	308.7	304.9	286.7	257.7	215.7	164.6	113.5	68.3	37.1	17.8	0.7
42.5°	256.1	248.4	230.2	200.4	161.0	116.4	74.5	44.2	21.8	10.8	0.2
45°	190.2	184.3	165.2	138.2	105.5	74.6	45.1	23.9	12.1	6.6	0.1
47.5°	110.8	107.2	97.3	79.6	58.3	39.2	23.1	12.9	7.1	3.2	0.1
50°	58.0	53.5	46.0	34.9	25.7	18.0	11.3	6.9	3.5	1.0	0.1
52.5°	20.3	20.0	18.2	13.8	11.2	8.1	5.5	3.0	1.0	0.2	0.1
55°	2.9	2.9	2.7	3.0	3.2	2.9	1.9	0.8	0.2	0.1	0.1
57.5°	0.2	0.2	0.2	0.3	0.4	0.4	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°	11.7	11.7	11.7	11.7	11.7
2.5°	11.6	9.3	7.4	6.5	6.2
5°	10.9	7.0	4.6	3.6	3.4
7.5°	9.7	5.0	2.8	2.0	1.9
10°	8.5	3.6	1.7	1.2	1.1
12.5°	7.1	2.5	1.1	0.7	0.6
15°	5.9	1.7	0.6	0.5	0.4
17.5°	4.7	1.1	0.4	0.3	0.4
20°	3.7	0.7	0.2	0.2	0.2
22.5°	2.8	0.4	0.2	0.2	0.2
25°	2.0	0.2	0.1	0.1	0.2
27.5°	1.4	0.1	0.1	0.1	0.2
30°	0.8	0.1	0.1	0.1	0.2
32.5°	0.4	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	0.4
45°	0.1	0.2	0.3	0.4	0.5
47.5°	0.2	0.2	0.4	0.5	0.6
50°	0.2	0.3	0.4	0.6	0.6
52.5°	0.2	0.3	0.5	0.6	0.7
55°	0.2	0.4	0.5	0.7	0.7
57.5°	0.3	0.4	0.5	0.7	0.7
60°	0.3	0.4	0.5	0.7	0.7
62.5°	0.3	0.4	0.5	0.7	0.7
65°	0.3	0.4	0.5	0.7	0.7
67.5°	0.3	0.4	0.5	0.6	0.7
70°	0.3	0.4	0.5	0.6	0.6
72.5°	0.4	0.4	0.5	0.6	0.6
75°	0.3	0.4	0.4	0.5	0.5
77.5°	0.3	0.3	0.3	0.4	0.4
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)