

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: P1335278

Luminaire Tested: P3A02R359024DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335278
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: P3A02R359024DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

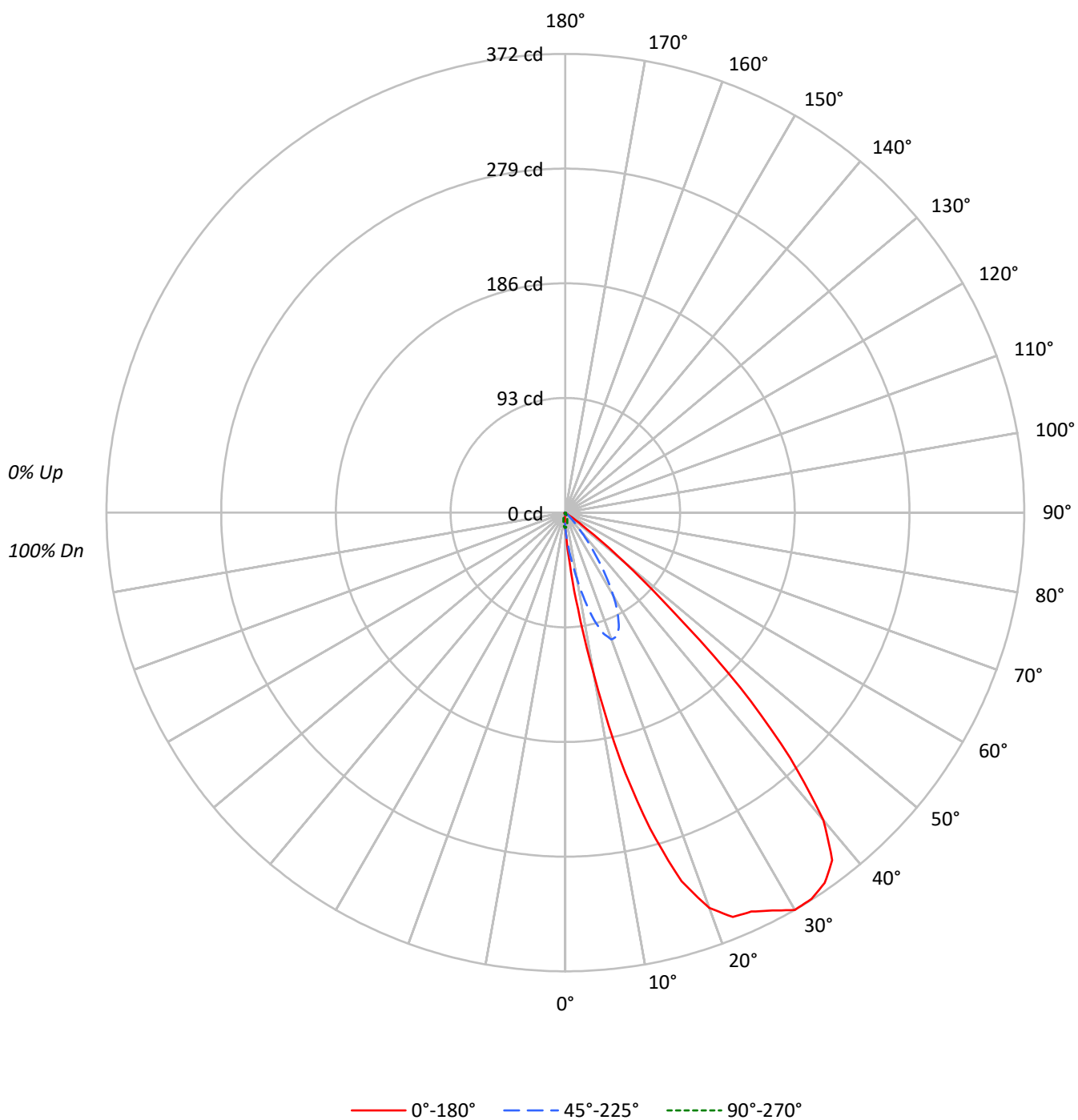
Lumens per Lamp: N/A
Luminaire Lumens: 116.9 lumens
Efficiency: N/A
Efficacy: 32.5 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	84	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	63	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	51	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°	2697	2697	2697	2697	2697
5°	9179	5965	2509	1057	792
10°	29525	12091	1982	401	267
15°	60182	20500	1407	136	91
20°	79574	25529	910	47	47
25°	86352	24824	508	24	48
30°	94192	19775	203	25	51
35°	98136	12314	54	27	54
40°	93146	5382	29	57	86
45°	62177	2140	31	93	155
50°	20844	375	68	136	205
55°	1147	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: 62177 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.1	1.8
10°-20°	16.8	14.4
20°-30°	35.5	30.3
30°-40°	40.2	34.4
40°-50°	19.8	16.9
50°-60°	1.7	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°	54.4	46.5
0°-40°	94.6	80.9
0°-60°	116.1	99.3
0°-90°	116.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	116.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	42	27	11	5	4	7
15°	265	90	6	1	0	75
25°	357	103	2	0	0	166
35°	367	46	0	0	0	226
45°	200	7	0	0	0	148
55°	3	0	0	0	1	12
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°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
2.5°	21.3	21.8	21.6	21.5	21.4	21.0	20.1	20.0	19.0	18.4	15.2
5°	41.7	40.9	41.1	39.9	38.4	36.3	35.0	32.0	29.6	27.1	17.7
7.5°	78.6	77.4	75.2	71.8	68.4	63.9	57.0	51.6	45.3	39.3	19.7
10°	132.6	132.0	129.2	120.6	113.0	100.9	89.6	77.6	65.9	54.3	21.1
12.5°	204.9	200.6	195.5	184.0	169.1	154.0	131.6	110.9	92.1	72.8	21.2
15°	265.1	262.4	255.1	240.2	222.2	200.4	173.8	146.0	117.6	90.3	20.2
17.5°	313.5	309.3	300.0	285.4	264.7	236.3	205.2	171.3	136.7	102.8	18.4
20°	341.0	338.8	331.7	317.1	294.5	263.5	228.1	188.6	148.7	109.4	16.1
22.5°	354.9	353.3	348.1	336.4	315.3	284.1	243.6	197.7	152.2	108.7	13.7
25°	356.9	356.5	351.9	343.1	325.5	294.6	250.3	199.3	149.3	102.6	11.3
27.5°	363.8	362.3	357.0	348.2	330.4	296.4	248.0	193.6	140.2	91.9	9.5
30°	372.0	371.0	365.6	356.5	335.5	294.7	239.8	180.8	125.6	78.1	7.0
32.5°	371.4	371.0	366.4	356.8	331.9	284.8	225.2	161.5	105.8	61.7	4.4
35°	366.6	365.2	359.5	344.6	311.5	259.4	197.4	135.5	83.7	46.0	2.8
37.5°	355.3	352.2	342.6	317.3	275.1	220.2	160.8	104.6	59.2	30.8	1.8
40°	325.4	321.4	302.2	271.6	227.4	173.5	119.6	71.9	39.1	18.8	0.7
42.5°	269.9	261.8	242.6	211.2	169.7	122.7	78.6	46.6	23.0	11.3	0.2
45°	200.5	194.3	174.1	145.7	111.2	78.7	47.6	25.2	12.7	6.9	0.1
47.5°	116.8	113.0	102.6	83.9	61.4	41.3	24.4	13.5	7.5	3.4	0.1
50°	61.1	56.4	48.5	36.8	27.1	19.0	11.9	7.2	3.7	1.1	0.1
52.5°	21.4	21.1	19.2	14.5	11.8	8.5	5.8	3.2	1.1	0.2	0.1
55°	3.0	3.0	2.8	3.2	3.4	3.0	2.0	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°	12.3	12.3	12.3	12.3	12.3
2.5°	12.2	9.8	7.8	6.8	6.5
5°	11.4	7.4	4.8	3.8	3.6
7.5°	10.2	5.3	2.9	2.1	2.0
10°	8.9	3.8	1.8	1.3	1.2
12.5°	7.5	2.6	1.2	0.7	0.6
15°	6.2	1.8	0.6	0.5	0.4
17.5°	4.9	1.2	0.4	0.3	0.4
20°	3.9	0.7	0.2	0.2	0.2
22.5°	2.9	0.4	0.2	0.2	0.2
25°	2.1	0.2	0.1	0.1	0.2
27.5°	1.5	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)