

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: P1335502

Luminaire Tested: P3A02R359840DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335502
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: P3A02R359840DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

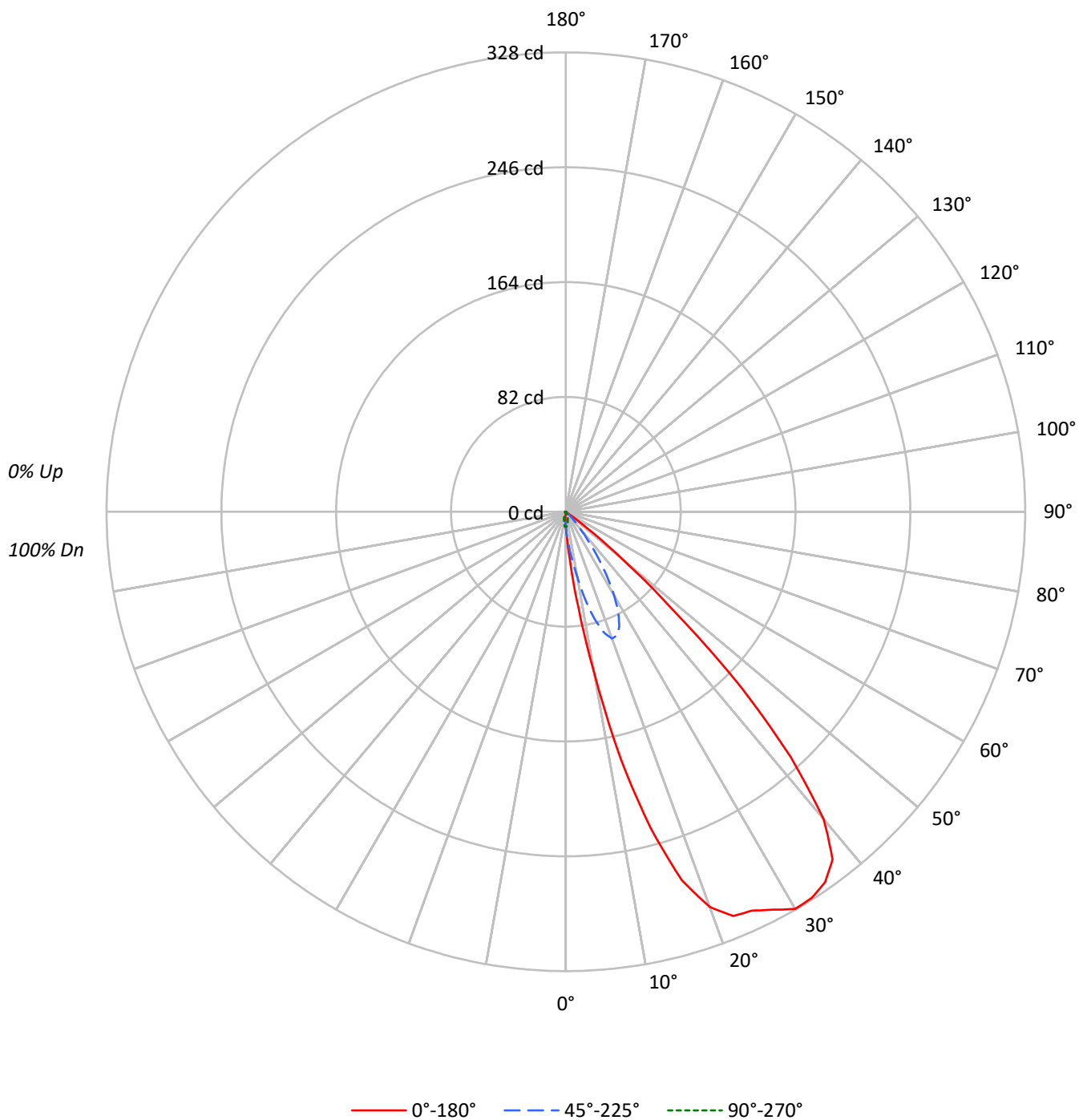
Lumens per Lamp: N/A
Luminaire Lumens: 103.1 lumens
Efficiency: N/A
Efficacy: 28.6 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	86	84	84	84	83
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	76	76	74
4	92	83	77	72	90	82	76	71	80	75	71	78	73	70	76	72	69	69	69	67
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	62	62	60
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	38	38	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2368	2368	2368	2368	2368
5°	8078	5261	2223	947	682
10°	26007	10643	1759	356	223
15°	52986	18048	1249	136	91
20°	70053	22472	793	47	47
25°	76021	21848	436	24	48
30°	82924	17420	177	25	51
35°	86411	10842	54	27	54
40°	81982	4752	29	57	86
45°	54734	1892	31	93	155
50°	18353	307	68	136	205
55°	1032	38	76	191	229
60°	88	44	132	219	263
65°	104	52	156	259	311
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: 54734 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	1.8
10°-20°	14.8	14.4
20°-30°	31.2	30.3
30°-40°	35.4	34.4
40°-50°	17.4	16.9
50°-60°	1.5	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°	47.9	46.5
0°-40°	83.3	80.8
0°-60°	102.3	99.2
0°-90°	103.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	103.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	37	24	10	4	3	6
15°	233	80	6	1	0	66
25°	314	90	2	0	0	146
35°	323	40	0	0	0	199
45°	176	6	0	0	0	130
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°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
2.5°	18.8	19.2	19.0	19.0	18.9	18.5	17.7	17.6	16.7	16.2	13.4
5°	36.7	36.0	36.2	35.1	33.8	32.0	30.8	28.2	26.1	23.9	15.6
7.5°	69.2	68.1	66.2	63.2	60.2	56.2	50.2	45.4	39.8	34.6	17.4
10°	116.8	116.2	113.7	106.1	99.5	88.9	78.9	68.3	58.0	47.8	18.6
12.5°	180.4	176.6	172.1	162.0	148.9	135.5	115.9	97.6	81.1	64.1	18.7
15°	233.4	231.0	224.6	211.5	195.6	176.4	153.0	128.5	103.6	79.5	17.8
17.5°	276.0	272.3	264.1	251.2	233.0	208.0	180.7	150.8	120.4	90.5	16.2
20°	300.2	298.3	292.0	279.1	259.3	232.0	200.8	166.1	130.9	96.3	14.1
22.5°	312.4	311.0	306.4	296.1	277.6	250.1	214.4	174.0	134.0	95.7	12.0
25°	314.2	313.8	309.8	302.1	286.5	259.3	220.3	175.5	131.5	90.3	10.0
27.5°	320.3	319.0	314.3	306.5	290.9	260.9	218.3	170.4	123.4	80.9	8.3
30°	327.5	326.6	321.9	313.8	295.3	259.4	211.1	159.1	110.6	68.8	6.2
32.5°	326.9	326.6	322.6	314.1	292.2	250.7	198.2	142.2	93.1	54.3	3.9
35°	322.8	321.5	316.5	303.4	274.2	228.4	173.8	119.3	73.7	40.5	2.5
37.5°	312.8	310.0	301.6	279.3	242.2	193.9	141.6	92.1	52.1	27.1	1.6
40°	286.4	282.9	266.0	239.1	200.2	152.7	105.3	63.3	34.4	16.6	0.6
42.5°	237.6	230.5	213.6	185.9	149.4	108.0	69.2	41.1	20.2	10.0	0.2
45°	176.5	171.0	153.3	128.2	97.9	69.3	41.9	22.2	11.2	6.1	0.1
47.5°	102.8	99.5	90.3	73.9	54.1	36.3	21.5	11.9	6.6	3.0	0.1
50°	53.8	49.7	42.7	32.4	23.9	16.7	10.4	6.4	3.2	0.9	0.1
52.5°	18.9	18.6	16.9	12.8	10.4	7.5	5.1	2.8	0.9	0.2	0.1
55°	2.7	2.7	2.5	2.8	3.0	2.7	1.8	0.7	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°	10.8	10.8	10.8	10.8	10.8
2.5°	10.7	8.6	6.8	6.0	5.7
5°	10.1	6.5	4.3	3.3	3.1
7.5°	9.0	4.6	2.6	1.8	1.8
10°	7.9	3.3	1.6	1.1	1.0
12.5°	6.6	2.3	1.0	0.6	0.6
15°	5.5	1.6	0.6	0.5	0.4
17.5°	4.3	1.0	0.4	0.3	0.4
20°	3.4	0.6	0.2	0.2	0.2
22.5°	2.6	0.4	0.2	0.2	0.2
25°	1.8	0.2	0.1	0.1	0.2
27.5°	1.3	0.1	0.1	0.1	0.2
30°	0.7	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	0.6
55°	0.2	0.4	0.5	0.6	0.6
57.5°	0.3	0.4	0.5	0.6	0.6
60°	0.3	0.4	0.5	0.6	0.6
62.5°	0.3	0.4	0.5	0.6	0.6
65°	0.3	0.4	0.5	0.6	0.6
67.5°	0.3	0.4	0.5	0.6	0.6
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)