

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: P1337468

Luminaire Tested: P3A05R259830DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337468
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R259830DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

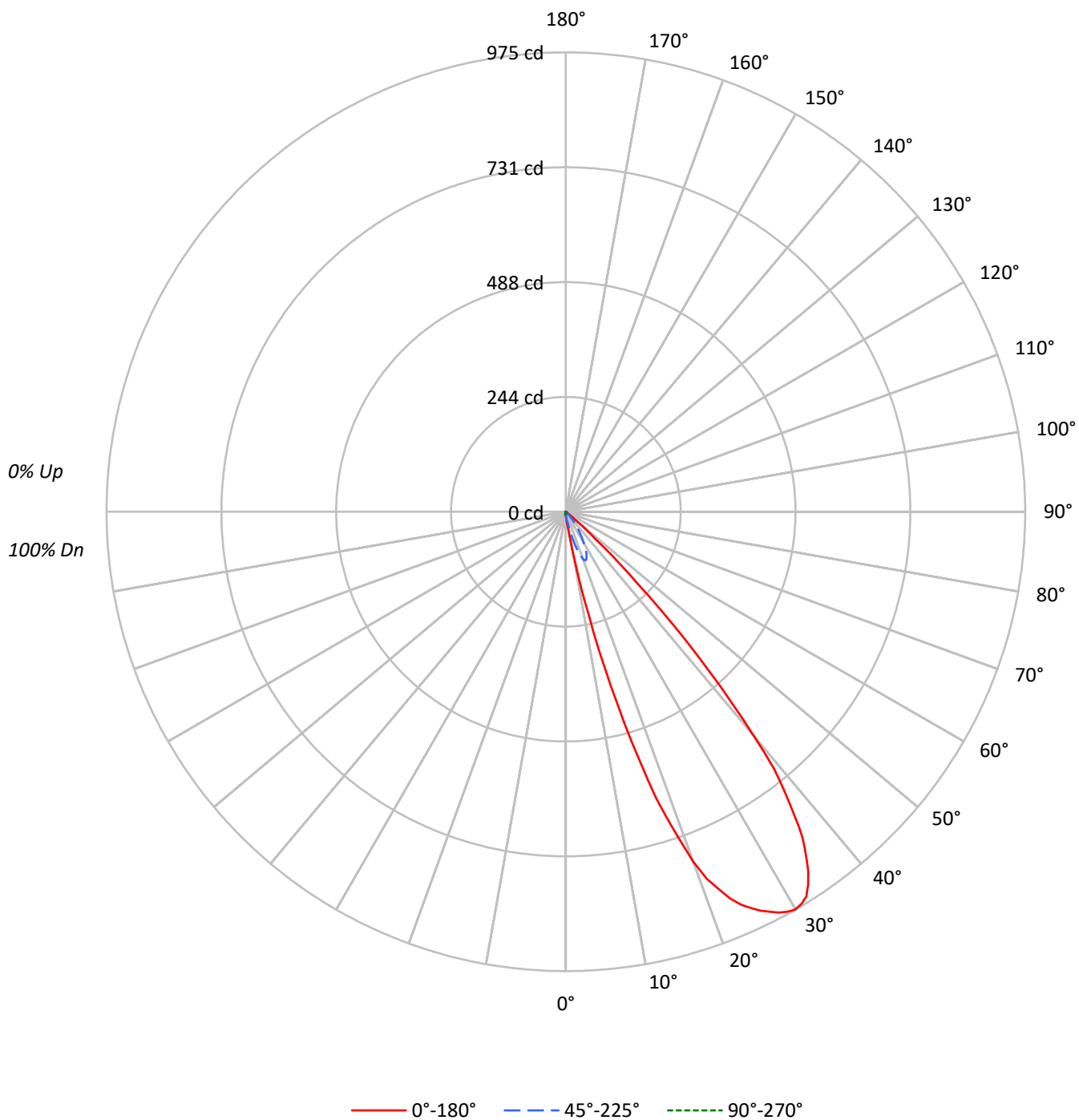
Lumens per Lamp: N/A
Luminaire Lumens: 195.0 lumens
Efficiency: N/A
Efficacy: 27.1 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	104	98	94	90	95	92	88		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	88	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	79	70	63	58	68	62	58		67	61	57		65	60	57	55
7	76	65	58	53	74	64	57	52	63	57	52		61	56	52		60	55	52	50
8	71	60	52	48	70	59	52	47	58	52	47		57	51	47		56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51	46	42	41
10	62	51	44	39	61	50	44	39	49	43	39		48	43	39		48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1842	1842	1842	1842	1842
5°	4600	3412	1717	880	682
10°	20129	5789	1425	401	289
15°	95733	15619	999	159	114
20°	184303	25016	630	47	47
25°	224457	25235	363	0	0
30°	246772	19294	127	0	0
35°	237818	12260	54	0	0
40°	177704	5324	0	0	57
45°	65774	1395	62	62	155
50°	7744	171	136	136	239
55°	765	0	153	191	344
60°	88	0	219	307	395
65°	104	104	363	467	571
70°	128	128	449	449	705
75°	169	169	424	424	593
80°	0	253	631	505	631
85°	0	503	1258	503	503

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	0.6
10°-20°	22.7	11.7
20°-30°	71.4	36.6
30°-40°	75.1	38.5
40°-50°	22.1	11.3
50°-60°	1.2	0.6
60°-70°	0.6	0.3
70°-80°	0.5	0.2
80°-90°	0.3	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°	95.3	48.9
0°-40°	170.4	87.4
0°-60°	193.7	99.3
0°-90°	195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	195.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	8	8	8	8	8	
5°	21	16	8	4	3	4
15°	422	69	4	1	0	133
25°	928	104	2	0	0	425
35°	888	46	0	0	0	536
45°	212	4	0	0	0	193
55°	2	0	0	0	1	5
65°	0	0	1	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°	45°	67.5°	90°	112.5°
0°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
2.5°	12.9	13.1	12.6	12.9	12.6	12.4	12.2	11.3	9.8	8.4	6.9
5°	20.9	20.9	20.0	19.8	19.5	18.7	18.0	15.5	11.1	7.8	5.5
7.5°	32.7	32.6	32.2	31.3	29.5	27.7	25.8	20.2	12.2	7.3	4.2
10°	90.4	89.1	87.5	77.7	66.6	56.8	48.2	26.0	13.1	6.4	3.1
12.5°	224.7	217.4	200.1	180.5	155.4	129.0	103.2	42.4	13.5	5.3	2.2
15°	421.7	406.6	379.7	340.4	289.1	231.4	182.3	68.8	13.1	4.4	1.6
17.5°	636.8	622.2	584.9	525.3	449.7	361.1	274.2	91.2	12.2	3.6	1.1
20°	789.8	774.3	739.4	676.1	594.4	476.3	361.0	107.2	11.5	2.7	0.5
21°	834.5	819.1	782.1	721.0	635.1	516.7	388.8	109.9	10.9	2.4	0.4
22°	862.9	853.8	814.2	754.9	667.3	549.1	412.6	111.2	10.6	2.2	0.4
23°	891.5	877.8	840.7	778.1	691.9	573.1	430.3	110.3	10.2	1.8	0.2
24°	912.6	901.1	858.0	796.2	709.0	587.8	440.7	107.9	9.6	1.6	0.2
25°	927.7	917.1	872.2	808.3	720.5	595.8	443.9	104.3	9.1	1.5	0.2
26°	942.1	930.6	884.0	815.4	726.5	598.4	440.8	100.2	8.6	1.3	0.0
27°	952.4	940.8	892.2	819.6	726.8	595.3	432.5	94.8	8.0	1.1	0.0
28°	963.5	950.1	897.9	822.0	724.7	588.0	420.5	89.0	7.6	0.9	0.0
29°	970.3	957.5	903.7	824.5	720.1	575.8	403.0	82.1	6.7	0.5	0.0
30°	974.6	959.5	903.1	821.8	714.1	562.7	382.1	76.2	5.8	0.5	0.0
31°	971.0	955.2	897.3	814.2	704.5	545.6	360.6	69.0	4.7	0.4	0.0
32°	963.2	944.4	887.1	800.9	687.2	523.6	338.4	63.0	3.5	0.4	0.0
33°	944.1	928.2	868.8	783.1	664.6	493.8	309.5	57.1	2.4	0.2	0.0
34°	920.1	904.2	843.6	759.2	634.4	455.2	274.4	51.1	2.0	0.2	0.0
35°	888.4	872.8	815.3	725.9	594.4	408.8	238.2	45.8	1.6	0.2	0.0
36°	855.1	834.4	779.4	690.5	540.7	356.1	199.4	39.8	1.3	0.2	0.0
37°	806.2	792.2	731.2	636.4	482.7	305.5	171.2	34.4	0.9	0.2	0.0
38°	755.4	742.5	683.0	582.0	417.9	255.4	143.4	29.1	0.7	0.0	0.0
39°	703.0	681.5	622.8	512.3	350.0	214.0	120.6	24.4	0.4	0.0	0.0
40°	620.8	604.4	541.6	428.6	289.6	173.4	102.8	18.6	0.4	0.0	0.0
42.5°	411.5	396.3	330.4	232.5	153.9	101.3	67.9	7.3	0.0	0.2	0.0
45°	212.1	202.5	164.5	121.7	87.3	62.2	43.7	4.5	0.0	0.2	0.2
47.5°	84.2	82.6	74.6	64.4	49.7	36.9	23.8	2.0	0.0	0.2	0.2
50°	22.7	22.9	21.5	19.8	18.0	16.9	10.0	0.5	0.0	0.4	0.2
52.5°	9.6	9.8	9.5	8.9	8.0	6.0	4.0	0.2	0.2	0.4	0.4
55°	2.0	2.2	2.4	2.5	2.9	2.5	1.6	0.0	0.2	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.0	0.2	0.4	0.5
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4	0.5	0.5
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5	0.7
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.7	0.7
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.7
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.7
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.5
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.5	0.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.5	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5	0.4
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):

	135°	157.5°	180°
0°	8.4	8.4	8.4
2.5°	5.8	5.3	5.1
5°	4.0	3.5	3.1
7.5°	2.7	2.2	2.0
10°	1.8	1.5	1.3
12.5°	1.3	0.7	0.7
15°	0.7	0.5	0.5
17.5°	0.4	0.2	0.2
20°	0.2	0.2	0.2
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.2
39°	0.0	0.2	0.2
40°	0.0	0.2	0.2
42.5°	0.0	0.2	0.4
45°	0.2	0.4	0.5
47.5°	0.4	0.5	0.7
50°	0.4	0.7	0.7
52.5°	0.5	0.7	0.9
55°	0.5	0.9	0.9
57.5°	0.7	0.9	1.1
60°	0.7	0.9	0.9
62.5°	0.7	1.1	1.1
65°	0.9	1.1	1.1
67.5°	0.9	1.1	1.1
70°	0.7	0.9	1.1
72.5°	0.7	0.9	0.9
75°	0.5	0.7	0.7
77.5°	0.5	0.5	0.7
80°	0.4	0.5	0.5

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.4	0.4	0.4
85°	0.2	0.2	0.2
87.5°	0.2	0.2	0.2
90°	0.0	0.0	0.0

(END OF REPORT)