

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: P1337452

Luminaire Tested: P3A05R259827DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337452
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: P3A05R259827DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

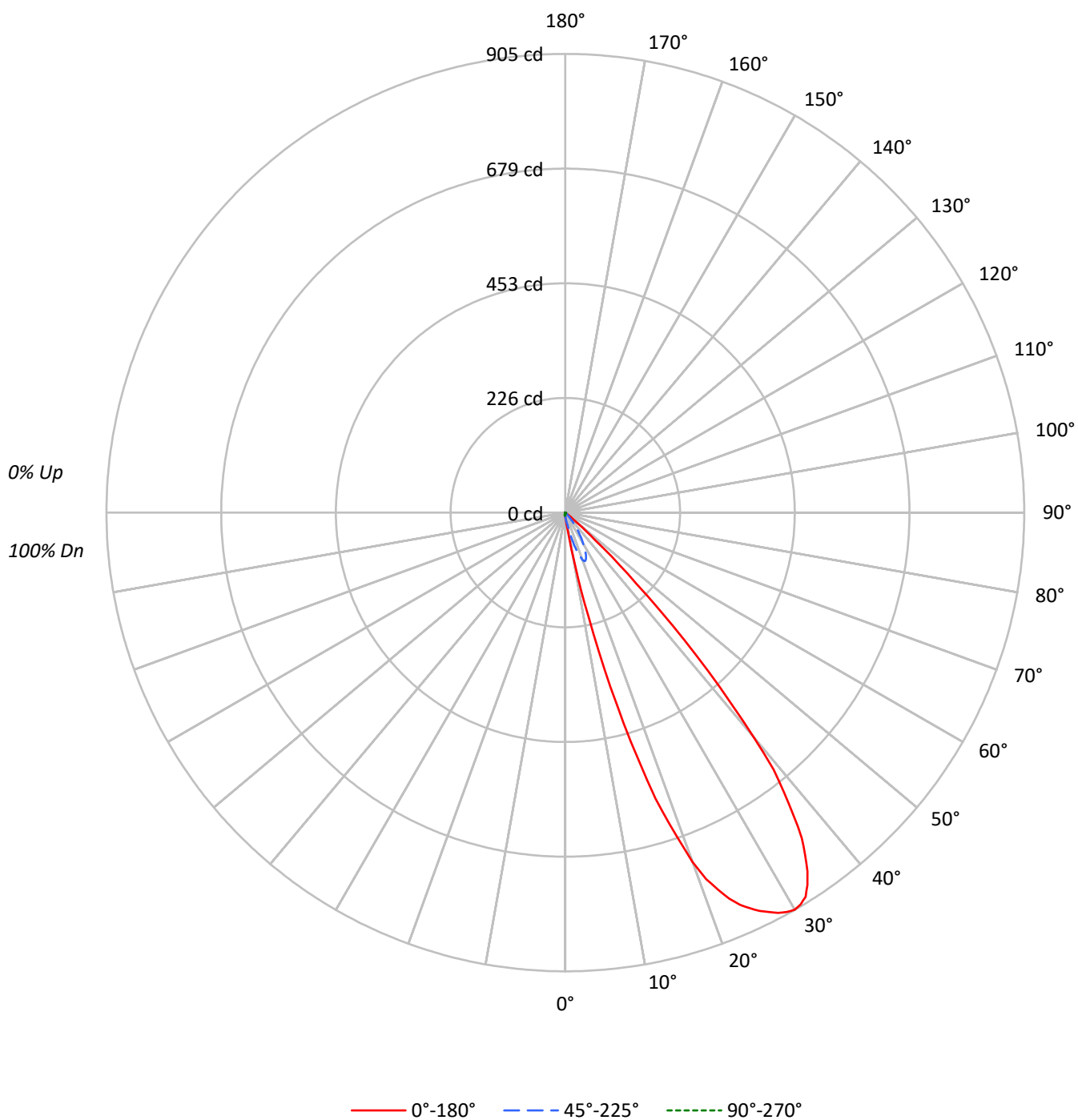
Lumens per Lamp: N/A
Luminaire Lumens: 181.0 lumens
Efficiency: N/A
Efficacy: 25.1 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1710	1710	1710	1710	1710
5°	4270	3170	1607	814	638
10°	18681	5366	1314	379	267
15°	88877	14484	931	159	114
20°	171072	23219	583	47	47
25°	208343	23421	339	0	0
30°	229073	17927	127	0	0
35°	220739	11404	54	0	0
40°	164938	4924	0	0	57
45°	61061	1302	62	62	155
50°	7198	171	102	102	239
55°	726	0	115	191	306
60°	88	0	219	307	351
65°	104	104	363	415	519
70°	128	128	449	449	641
75°	169	169	424	424	593
80°	0	253	631	379	631
85°	0	503	1258	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 61061 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.6
10°-20°	21.1	11.7
20°-30°	66.2	36.6
30°-40°	69.7	38.5
40°-50°	20.5	11.3
50°-60°	1.1	0.6
60°-70°	0.5	0.3
70°-80°	0.5	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°	88.5	48.9
0°-40°	158.2	87.4
0°-60°	179.8	99.3
0°-90°	181.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	181.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	8	8	8	8	8	
5°	19	14	7	4	3	3
15°	392	64	4	1	0	123
25°	861	97	1	0	0	395
35°	825	43	0	0	0	498
45°	197	4	0	0	0	179
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°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
2.5°	12.0	12.2	11.7	12.0	11.7	11.5	11.3	10.5	9.1	7.8	6.4
5°	19.4	19.4	18.6	18.4	18.1	17.4	16.7	14.4	10.3	7.3	5.1
7.5°	30.4	30.2	29.9	29.0	27.4	25.7	24.0	18.7	11.3	6.8	3.9
10°	83.9	82.7	81.2	72.1	61.8	52.7	44.8	24.1	12.2	5.9	2.9
12.5°	208.6	201.8	185.8	167.5	144.2	119.7	95.8	39.3	12.5	4.9	2.0
15°	391.5	377.4	352.4	316.0	268.3	214.8	169.2	63.8	12.2	4.1	1.5
17.5°	591.1	577.6	542.9	487.5	417.5	335.2	254.5	84.6	11.3	3.4	1.0
20°	733.1	718.7	686.3	627.5	551.7	442.1	335.0	99.5	10.6	2.5	0.5
21°	774.6	760.3	726.0	669.3	589.5	479.6	360.9	102.0	10.1	2.2	0.3
22°	801.0	792.5	755.7	700.7	619.4	509.7	383.0	103.2	9.8	2.0	0.3
23°	827.5	814.8	780.4	722.3	642.2	532.0	399.4	102.3	9.5	1.7	0.2
24°	847.1	836.4	796.4	739.0	658.1	545.6	409.0	100.1	9.0	1.5	0.2
25°	861.1	851.3	809.6	750.3	668.7	553.1	412.1	96.8	8.4	1.4	0.2
26°	874.4	863.8	820.6	756.9	674.3	555.4	409.2	93.1	7.9	1.2	0.0
27°	884.1	873.3	828.2	760.8	674.7	552.6	401.4	88.0	7.4	1.0	0.0
28°	894.4	881.9	833.4	763.0	672.6	545.8	390.3	82.6	7.1	0.8	0.0
29°	900.6	888.8	838.8	765.3	668.4	534.5	374.1	76.2	6.2	0.5	0.0
30°	904.7	890.6	838.3	762.8	662.8	522.3	354.6	70.8	5.4	0.5	0.0
31°	901.3	886.6	832.9	755.7	653.9	506.5	334.7	64.0	4.4	0.3	0.0
32°	894.0	876.6	823.4	743.4	637.8	486.0	314.1	58.4	3.2	0.3	0.0
33°	876.3	861.6	806.4	726.8	616.9	458.3	287.3	53.0	2.2	0.2	0.0
34°	854.0	839.3	783.1	704.7	588.9	422.5	254.7	47.5	1.9	0.2	0.0
35°	824.6	810.1	756.7	673.8	551.7	379.5	221.1	42.6	1.5	0.2	0.0
36°	793.7	774.5	723.5	640.9	501.9	330.5	185.1	37.0	1.2	0.2	0.0
37°	748.3	735.3	678.7	590.7	448.0	283.5	158.9	31.9	0.8	0.2	0.0
38°	701.2	689.2	634.0	540.2	387.9	237.1	133.1	27.0	0.7	0.0	0.0
39°	652.5	632.6	578.1	475.6	324.9	198.6	112.0	22.6	0.3	0.0	0.0
40°	576.2	561.0	502.7	397.9	268.8	160.9	95.4	17.2	0.3	0.0	0.0
42.5°	382.0	367.8	306.7	215.8	142.9	94.1	63.0	6.8	0.0	0.2	0.0
45°	196.9	188.0	152.7	113.0	81.1	57.8	40.5	4.2	0.0	0.2	0.2
47.5°	78.2	76.7	69.2	59.8	46.1	34.3	22.1	1.9	0.0	0.2	0.2
50°	21.1	21.3	19.9	18.4	16.7	15.7	9.3	0.5	0.0	0.3	0.2
52.5°	9.0	9.1	8.8	8.3	7.4	5.6	3.7	0.2	0.2	0.3	0.3
55°	1.9	2.0	2.2	2.4	2.7	2.4	1.5	0.0	0.2	0.3	0.3
57.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.3	0.0	0.2	0.3	0.5
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.3	0.5	0.5
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.7
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	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	0.3	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3	0.5	0.3



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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	0.3	0.5	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.3
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°	7.8	7.8	7.8
2.5°	5.4	4.9	4.7
5°	3.7	3.2	2.9
7.5°	2.5	2.0	1.9
10°	1.7	1.4	1.2
12.5°	1.2	0.7	0.7
15°	0.7	0.5	0.5
17.5°	0.3	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	0.3
45°	0.2	0.3	0.5
47.5°	0.3	0.5	0.7
50°	0.3	0.7	0.7
52.5°	0.5	0.7	0.8
55°	0.5	0.8	0.8
57.5°	0.7	0.8	1.0
60°	0.7	0.8	0.8
62.5°	0.7	1.0	1.0
65°	0.8	1.0	1.0
67.5°	0.8	1.0	1.0
70°	0.7	0.8	1.0
72.5°	0.7	0.8	0.8
75°	0.5	0.7	0.7
77.5°	0.5	0.5	0.7
80°	0.3	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.3	0.3	0.3
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)