

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: P1337436

Luminaire Tested: P3A05R259740DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337436
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: P3A05R259740DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

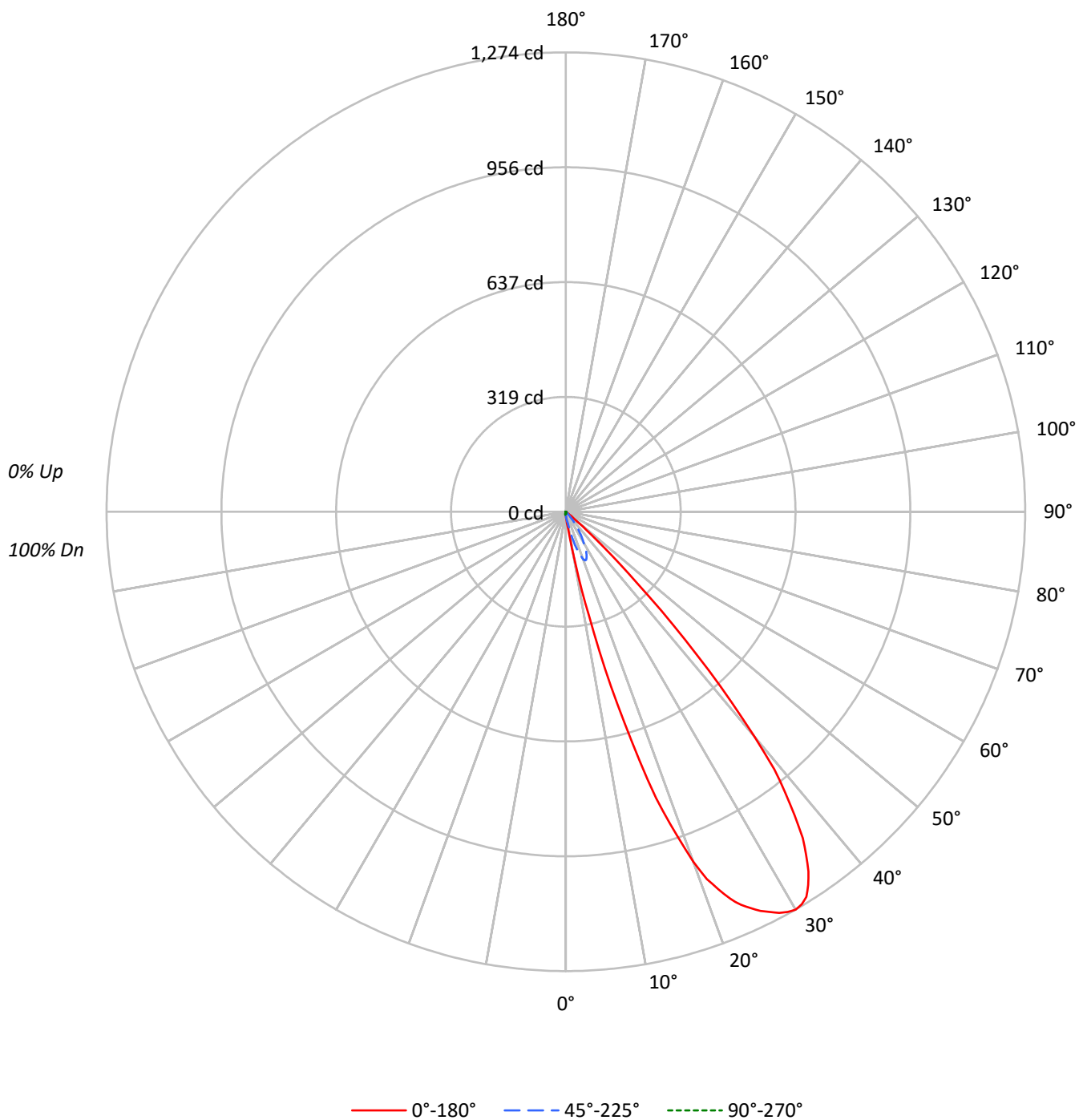
Lumens per Lamp: N/A
Luminaire Lumens: 255.0 lumens
Efficiency: N/A
Efficacy: 35.4 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	92	104	98	94	90	95	92	88		92	89	87		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	52	63	57	52		61	56	52		60
8	71	60	52	48	70	59	52	47	58	52	47		57	51	47		56
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51
10	62	51	44	39	61	50	44	39	49	43	39		48	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2390	2390	2390	2390	2390
5°	6031	4446	2245	1145	880
10°	26319	7571	1848	534	379
15°	125199	20409	1294	227	159
20°	241008	32693	840	47	47
25°	293509	32978	460	0	0
30°	322708	25244	177	0	0
35°	311005	16062	54	0	0
40°	232378	6956	0	0	57
45°	86024	1830	62	62	217
50°	10132	239	171	171	341
55°	994	0	191	268	459
60°	88	0	307	439	526
65°	104	104	519	623	726
70°	128	128	641	641	898
75°	169	169	593	593	847
80°	0	253	884	631	884
85°	0	503	1761	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 86024 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.6
10°-20°	29.7	11.7
20°-30°	93.3	36.6
30°-40°	98.2	38.5
40°-50°	28.9	11.3
50°-60°	1.5	0.6
60°-70°	0.7	0.3
70°-80°	0.6	0.3
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°	124.6	48.9
0°-40°	222.9	87.4
0°-60°	253.3	99.3
0°-90°	255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	255.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	27	20	10	5	4	5
15°	552	90	6	1	1	174
25°	1213	136	2	0	0	556
35°	1162	60	0	0	0	701
45°	277	6	0	0	1	252
55°	3	0	0	1	1	7
65°	0	0	1	1	1	0
75°	0	0	1	1	1	0
85°	0	0	1	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°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
2.5°	16.9	17.1	16.4	16.9	16.4	16.2	15.9	14.8	12.8	10.9	9.0
5°	27.4	27.4	26.2	25.9	25.5	24.5	23.6	20.2	14.5	10.2	7.1
7.5°	42.8	42.6	42.1	40.9	38.5	36.2	33.8	26.4	15.9	9.5	5.5
10°	118.2	116.6	114.4	101.6	87.1	74.2	63.0	34.0	17.1	8.3	4.0
12.5°	293.8	284.3	261.7	236.0	203.2	168.7	134.9	55.4	17.6	6.9	2.9
15°	551.5	531.7	496.5	445.1	378.1	302.6	238.4	89.9	17.1	5.7	2.1
17.5°	832.7	813.7	764.9	686.9	588.1	472.3	358.5	119.2	15.9	4.8	1.4
20°	1032.8	1012.6	966.9	884.1	777.3	622.9	472.0	140.1	15.0	3.6	0.7
21°	1091.3	1071.1	1022.8	942.9	830.6	675.7	508.4	143.7	14.3	3.1	0.5
22°	1128.4	1116.6	1064.7	987.1	872.7	718.0	539.6	145.4	13.8	2.9	0.5
23°	1165.8	1148.0	1099.4	1017.6	904.8	749.4	562.7	144.2	13.3	2.4	0.2
24°	1193.4	1178.4	1122.0	1041.1	927.2	768.7	576.2	141.1	12.6	2.1	0.2
25°	1213.1	1199.3	1140.6	1057.1	942.2	779.2	580.5	136.3	11.9	1.9	0.2
26°	1231.9	1217.0	1156.0	1066.3	950.0	782.5	576.5	131.1	11.2	1.7	0.0
27°	1245.5	1230.3	1166.8	1071.8	950.5	778.5	565.5	124.0	10.5	1.4	0.0
28°	1260.0	1242.4	1174.1	1074.9	947.6	769.0	549.8	116.3	10.0	1.2	0.0
29°	1268.8	1252.2	1181.7	1078.2	941.7	753.0	527.0	107.3	8.8	0.7	0.0
30°	1274.5	1254.8	1181.0	1074.7	933.8	735.9	499.6	99.7	7.6	0.7	0.0
31°	1269.8	1249.1	1173.4	1064.7	921.2	713.5	471.6	90.2	6.2	0.5	0.0
32°	1259.5	1235.0	1160.1	1047.3	898.6	684.7	442.5	82.3	4.5	0.5	0.0
33°	1234.6	1213.9	1136.1	1024.0	869.1	645.7	404.7	74.7	3.1	0.2	0.0
34°	1203.2	1182.5	1103.2	992.8	829.6	595.3	358.8	66.9	2.6	0.2	0.0
35°	1161.8	1141.3	1066.1	949.3	777.3	534.6	311.4	60.0	2.1	0.2	0.0
36°	1118.2	1091.1	1019.2	902.9	707.1	465.6	260.8	52.1	1.7	0.2	0.0
37°	1054.2	1035.9	956.2	832.2	631.2	399.5	223.9	45.0	1.2	0.2	0.0
38°	987.8	970.9	893.1	761.1	546.5	334.0	187.5	38.1	1.0	0.0	0.0
39°	919.3	891.2	814.4	670.0	457.8	279.8	157.7	31.9	0.5	0.0	0.0
40°	811.8	790.4	708.3	560.5	378.8	226.7	134.4	24.3	0.5	0.0	0.0
42.5°	538.2	518.2	432.1	304.1	201.3	132.5	88.7	9.5	0.0	0.2	0.0
45°	277.4	264.8	215.1	159.2	114.2	81.4	57.1	5.9	0.0	0.2	0.2
47.5°	110.2	108.0	97.5	84.2	65.0	48.3	31.2	2.6	0.0	0.2	0.2
50°	29.7	30.0	28.1	25.9	23.6	22.1	13.1	0.7	0.0	0.5	0.2
52.5°	12.6	12.8	12.4	11.7	10.5	7.9	5.2	0.2	0.2	0.5	0.5
55°	2.6	2.9	3.1	3.3	3.8	3.3	2.1	0.0	0.2	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.5	0.0	0.2	0.5	0.7
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.5	0.7	0.7
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	1.0
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	1.0	1.0
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.0	1.0
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.0	1.0
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.0	0.7
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5	0.7	0.5



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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	0.5	0.7	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.5
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°	10.9	10.9	10.9
2.5°	7.6	6.9	6.7
5°	5.2	4.5	4.0
7.5°	3.6	2.9	2.6
10°	2.4	1.9	1.7
12.5°	1.7	1.0	1.0
15°	1.0	0.7	0.7
17.5°	0.5	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	0.5
45°	0.2	0.5	0.7
47.5°	0.5	0.7	1.0
50°	0.5	1.0	1.0
52.5°	0.7	1.0	1.2
55°	0.7	1.2	1.2
57.5°	1.0	1.2	1.4
60°	1.0	1.2	1.2
62.5°	1.0	1.4	1.4
65°	1.2	1.4	1.4
67.5°	1.2	1.4	1.4
70°	1.0	1.2	1.4
72.5°	1.0	1.2	1.2
75°	0.7	1.0	1.0
77.5°	0.7	0.7	1.0
80°	0.5	0.7	0.7

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.5	0.5	0.5
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)