

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: P1337343

Luminaire Tested: P3A05R259035DE010 E3A301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337343
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: P3A05R259035DE010 E3A301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3A301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

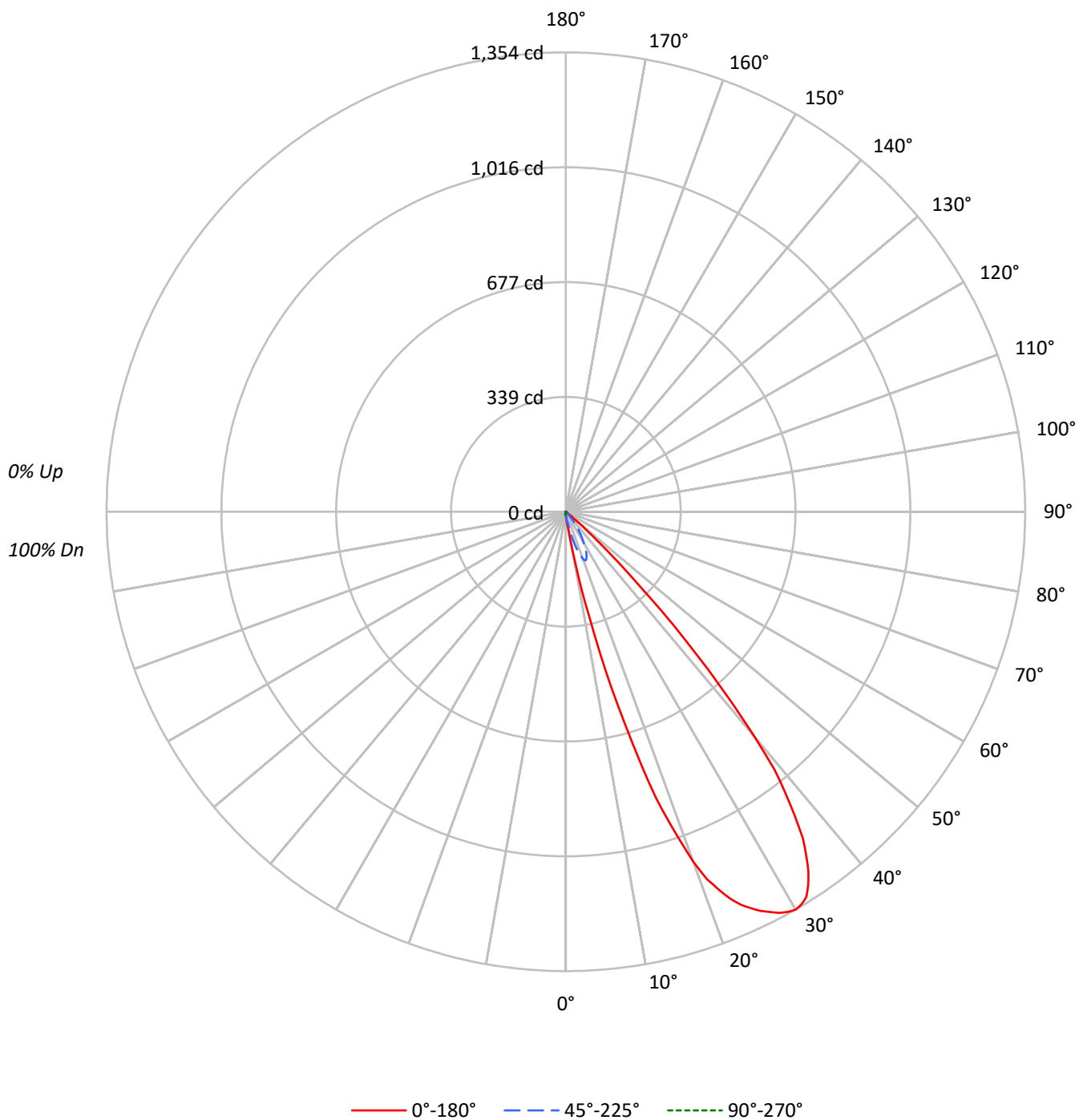
Lumens per Lamp: N/A
Luminaire Lumens: 271.1 lumens
Efficiency: N/A
Efficacy: 37.7 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	87	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	69	59	52	47	58	52	47	57	51	47	56	50	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	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2544	2544	2544	2544	2544
5°	6405	4733	2399	1233	947
10°	27989	8060	1959	557	401
15°	133054	21703	1385	227	182
20°	256129	34746	887	70	70
25°	311945	35058	484	0	0
30°	342964	26814	203	0	0
35°	330493	17052	80	0	0
40°	246948	7385	0	0	86
45°	91420	1954	93	93	248
50°	10780	273	171	171	341
55°	1070	0	191	306	497
60°	132	0	351	439	570
65°	156	156	519	675	778
70°	192	192	641	641	962
75°	254	254	678	678	847
80°	0	379	1010	631	1010
85°	0	755	2013	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 91420 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.6
10°-20°	31.6	11.7
20°-30°	99.2	36.6
30°-40°	104.4	38.5
40°-50°	30.7	11.3
50°-60°	1.7	0.6
60°-70°	0.8	0.3
70°-80°	0.7	0.3
80°-90°	0.4	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°	132.5	48.9
0°-40°	236.9	87.4
0°-60°	269.2	99.3
0°-90°	271.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	271.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	29	22	11	6	4	5
15°	586	96	6	1	1	185
25°	1289	145	2	0	0	591
35°	1235	64	0	0	0	745
45°	295	6	0	0	1	268
55°	3	0	0	1	1	7
65°	0	0	1	1	2	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°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
2.5°	18.0	18.2	17.4	18.0	17.4	17.2	16.9	15.7	13.7	11.6	9.6
5°	29.1	29.1	27.8	27.6	27.1	26.0	25.0	21.5	15.4	10.9	7.6
7.5°	45.5	45.3	44.8	43.5	41.0	38.4	35.9	28.1	16.9	10.1	5.8
10°	125.7	123.9	121.6	108.0	92.5	78.9	67.0	36.2	18.2	8.8	4.3
12.5°	312.3	302.2	278.1	250.8	215.9	179.3	143.4	58.9	18.7	7.3	3.0
15°	586.1	565.1	527.7	473.1	401.8	321.6	253.4	95.6	18.2	6.1	2.3
17.5°	885.0	864.7	812.9	730.0	625.0	501.9	381.0	126.7	16.9	5.1	1.5
20°	1097.6	1076.1	1027.6	939.6	826.0	662.0	501.6	148.9	15.9	3.8	0.8
21°	1159.8	1138.3	1087.0	1002.0	882.7	718.1	540.3	152.7	15.2	3.3	0.5
22°	1199.3	1186.6	1131.5	1049.1	927.4	763.1	573.5	154.5	14.7	3.0	0.5
23°	1238.9	1220.0	1168.4	1081.4	961.6	796.5	598.0	153.2	14.2	2.5	0.3
24°	1268.3	1252.3	1192.4	1106.5	985.3	816.9	612.4	149.9	13.4	2.3	0.3
25°	1289.3	1274.6	1212.1	1123.4	1001.3	828.1	616.9	144.9	12.6	2.0	0.3
26°	1309.2	1293.3	1228.6	1133.3	1009.6	831.6	612.6	139.3	11.9	1.8	0.0
27°	1323.7	1307.5	1240.0	1139.1	1010.1	827.3	601.0	131.7	11.1	1.5	0.0
28°	1339.1	1320.4	1247.8	1142.4	1007.1	817.2	584.3	123.6	10.6	1.3	0.0
29°	1348.4	1330.7	1255.9	1145.9	1000.8	800.3	560.1	114.0	9.4	0.8	0.0
30°	1354.5	1333.5	1255.1	1142.1	992.4	782.1	531.0	105.9	8.1	0.8	0.0
31°	1349.4	1327.4	1247.0	1131.5	979.0	758.3	501.1	95.8	6.6	0.5	0.0
32°	1338.6	1312.5	1232.9	1113.0	955.0	727.7	470.3	87.5	4.8	0.5	0.0
33°	1312.0	1290.0	1207.3	1088.3	923.6	686.2	430.1	79.4	3.3	0.3	0.0
34°	1278.6	1256.6	1172.4	1055.1	881.7	632.6	381.3	71.0	2.8	0.3	0.0
35°	1234.6	1212.9	1133.0	1008.9	826.0	568.1	331.0	63.7	2.3	0.3	0.0
36°	1188.4	1159.6	1083.2	959.6	751.5	494.8	277.1	55.4	1.8	0.3	0.0
37°	1120.4	1100.9	1016.2	884.5	670.8	424.5	237.9	47.8	1.3	0.3	0.0
38°	1049.8	1031.9	949.2	808.9	580.8	355.0	199.2	40.5	1.0	0.0	0.0
39°	977.0	947.2	865.5	712.0	486.5	297.3	167.6	33.9	0.5	0.0	0.0
40°	862.7	840.0	752.7	595.7	402.5	241.0	142.9	25.8	0.5	0.0	0.0
42.5°	571.9	550.7	459.2	323.1	213.9	140.8	94.3	10.1	0.0	0.3	0.0
45°	294.8	281.4	228.6	169.2	121.4	86.5	60.7	6.3	0.0	0.3	0.3
47.5°	117.1	114.8	103.7	89.5	69.0	51.3	33.1	2.8	0.0	0.3	0.3
50°	31.6	31.9	29.8	27.6	25.0	23.5	13.9	0.8	0.0	0.5	0.3
52.5°	13.4	13.7	13.1	12.4	11.1	8.3	5.6	0.3	0.3	0.5	0.5
55°	2.8	3.0	3.3	3.5	4.0	3.5	2.3	0.0	0.3	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.5	0.0	0.3	0.5	0.8
60°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.5	0.8	0.8
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.8	1.0
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	1.0	1.0
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.0	1.0
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.0	1.0
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.0	0.8
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5	0.8	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	0.3	0.3	0.5	0.8	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	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°	11.6	11.6	11.6
2.5°	8.1	7.3	7.1
5°	5.6	4.8	4.3
7.5°	3.8	3.0	2.8
10°	2.5	2.0	1.8
12.5°	1.8	1.0	1.0
15°	1.0	0.8	0.8
17.5°	0.5	0.3	0.3
20°	0.3	0.3	0.3
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	0.3
39°	0.0	0.3	0.3
40°	0.0	0.3	0.3
42.5°	0.0	0.3	0.5
45°	0.3	0.5	0.8
47.5°	0.5	0.8	1.0
50°	0.5	1.0	1.0
52.5°	0.8	1.0	1.3
55°	0.8	1.3	1.3
57.5°	1.0	1.3	1.5
60°	1.0	1.3	1.3
62.5°	1.0	1.5	1.5
65°	1.3	1.5	1.5
67.5°	1.3	1.5	1.5
70°	1.0	1.3	1.5
72.5°	1.0	1.3	1.3
75°	0.8	1.0	1.0
77.5°	0.8	0.8	1.0
80°	0.5	0.8	0.8



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.5	0.5	0.5
85°	0.3	0.3	0.3
87.5°	0.3	0.3	0.3
90°	0.0	0.0	0.0

(END OF REPORT)