

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: P1334671

Luminaire Tested: P3A02R259030DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334671
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: P3A02R259030DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

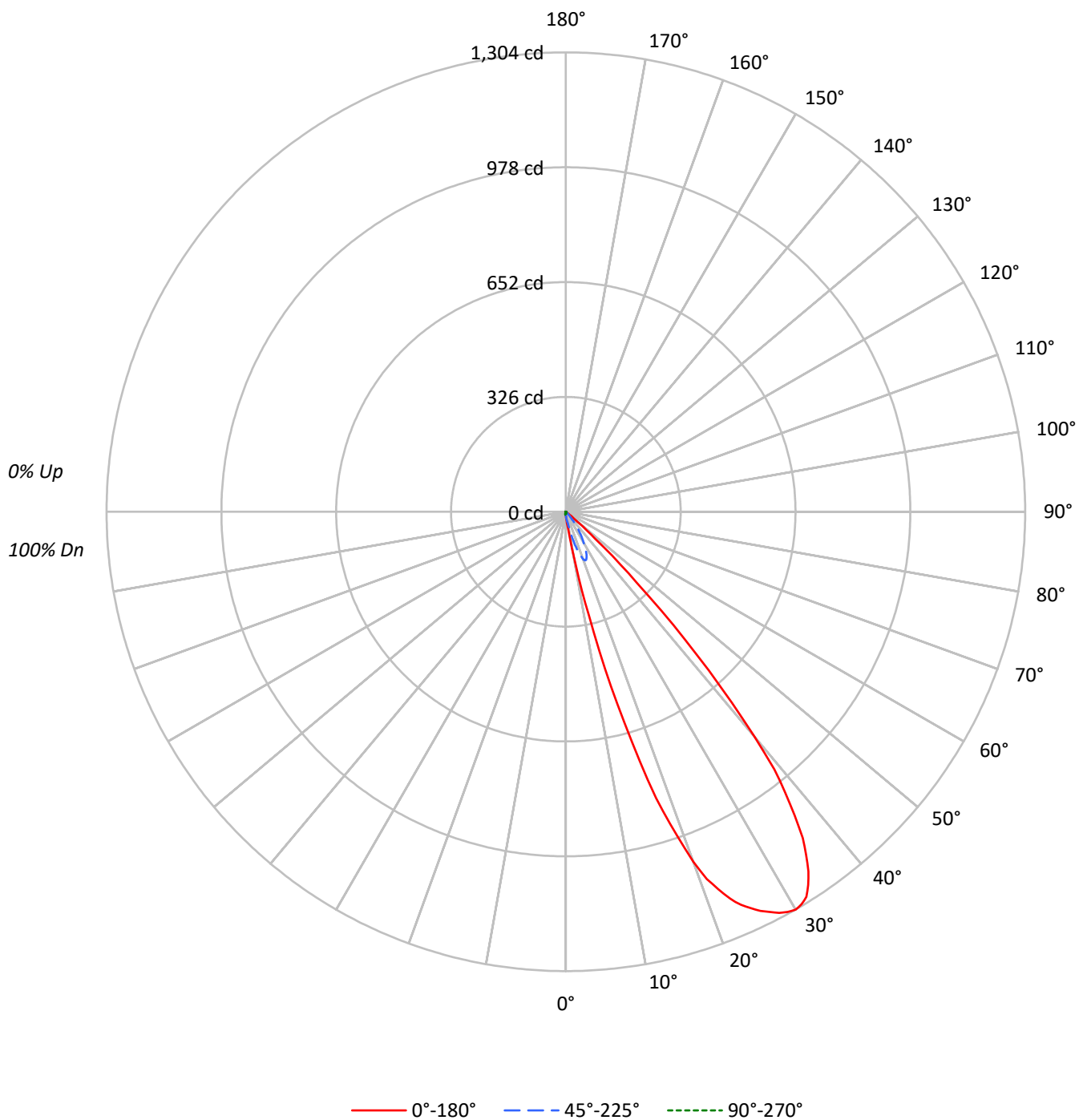
Lumens per Lamp: N/A
Luminaire Lumens: 260.9 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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			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°	2456	2456	2456	2456	2456
5°	6163	4556	2311	1189	902
10°	26942	7749	1893	534	379
15°	128151	20885	1317	227	159
20°	246678	33463	863	47	47
25°	300429	33752	460	0	0
30°	330304	25827	177	0	0
35°	318313	16436	54	0	0
40°	237846	7099	0	0	57
45°	88040	1892	62	62	217
50°	10371	239	171	171	341
55°	1032	0	191	268	459
60°	88	0	307	439	526
65°	104	104	519	623	778
70°	128	128	641	641	962
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: 88040 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.6
10°-20°	30.4	11.7
20°-30°	95.5	36.6
30°-40°	100.5	38.5
40°-50°	29.5	11.3
50°-60°	1.6	0.6
60°-70°	0.8	0.3
70°-80°	0.6	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°	127.6	48.9
0°-40°	228.1	87.4
0°-60°	259.2	99.3
0°-90°	260.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	260.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	28	21	10	5	4	5
15°	564	92	6	1	1	178
25°	1242	140	2	0	0	570
35°	1189	61	0	0	0	718
45°	284	6	0	0	1	258
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°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
2.5°	17.3	17.5	16.8	17.3	16.8	16.6	16.3	15.1	13.1	11.2	9.3
5°	28.0	28.0	26.8	26.5	26.1	25.1	24.1	20.7	14.9	10.5	7.3
7.5°	43.8	43.6	43.1	41.9	39.4	37.0	34.6	27.0	16.3	9.7	5.6
10°	121.0	119.3	117.1	104.0	89.1	76.0	64.5	34.8	17.5	8.5	4.1
12.5°	300.7	291.0	267.9	241.6	208.0	172.7	138.1	56.7	18.0	7.1	2.9
15°	564.5	544.3	508.2	455.6	386.9	309.8	244.0	92.0	17.5	5.8	2.2
17.5°	852.3	832.8	782.9	703.0	602.0	483.4	367.0	122.0	16.3	4.9	1.5
20°	1057.1	1036.4	989.7	904.9	795.6	637.5	483.1	143.4	15.3	3.7	0.7
21°	1117.0	1096.3	1046.9	965.1	850.1	691.6	520.4	147.1	14.6	3.2	0.5
22°	1155.0	1142.8	1089.7	1010.3	893.2	734.9	552.3	148.8	14.1	2.9	0.5
23°	1193.2	1175.0	1125.3	1041.5	926.1	767.1	575.9	147.6	13.6	2.4	0.2
24°	1221.5	1206.1	1148.4	1065.6	949.0	786.8	589.8	144.4	12.9	2.2	0.2
25°	1241.7	1227.6	1167.4	1081.9	964.3	797.5	594.2	139.5	12.2	1.9	0.2
26°	1260.9	1245.6	1183.2	1091.4	972.4	800.9	590.0	134.2	11.4	1.7	0.0
27°	1274.8	1259.2	1194.2	1097.0	972.8	796.8	578.8	126.9	10.7	1.5	0.0
28°	1289.7	1271.6	1201.8	1100.2	969.9	787.0	562.8	119.1	10.2	1.2	0.0
29°	1298.7	1281.6	1209.5	1103.6	963.8	770.7	539.4	109.8	9.0	0.7	0.0
30°	1304.5	1284.3	1208.8	1100.0	955.8	753.2	511.4	102.0	7.8	0.7	0.0
31°	1299.6	1278.5	1201.0	1089.7	942.9	730.3	482.6	92.3	6.3	0.5	0.0
32°	1289.2	1264.1	1187.4	1072.0	919.8	700.8	452.9	84.3	4.6	0.5	0.0
33°	1263.6	1242.4	1162.8	1048.1	889.6	660.9	414.2	76.5	3.2	0.2	0.0
34°	1231.5	1210.3	1129.2	1016.2	849.1	609.3	367.2	68.4	2.7	0.2	0.0
35°	1189.1	1168.1	1091.2	971.6	795.6	547.2	318.8	61.4	2.2	0.2	0.0
36°	1144.5	1116.8	1043.2	924.1	723.7	476.6	266.9	53.3	1.7	0.2	0.0
37°	1079.0	1060.3	978.7	851.8	646.0	408.9	229.1	46.0	1.2	0.2	0.0
38°	1011.1	993.8	914.2	779.0	559.4	341.9	191.9	39.0	1.0	0.0	0.0
39°	940.9	912.2	833.6	685.7	468.5	286.4	161.5	32.6	0.5	0.0	0.0
40°	830.9	809.0	724.9	573.7	387.7	232.1	137.6	24.8	0.5	0.0	0.0
42.5°	550.8	530.4	442.2	311.2	206.0	135.6	90.8	9.7	0.0	0.2	0.0
45°	283.9	271.0	220.1	162.9	116.9	83.3	58.4	6.1	0.0	0.2	0.2
47.5°	112.7	110.6	99.8	86.2	66.5	49.4	31.9	2.7	0.0	0.2	0.2
50°	30.4	30.7	28.7	26.5	24.1	22.6	13.4	0.7	0.0	0.5	0.2
52.5°	12.9	13.1	12.7	11.9	10.7	8.0	5.4	0.2	0.2	0.5	0.5
55°	2.7	2.9	3.2	3.4	3.9	3.4	2.2	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°	11.2	11.2	11.2
2.5°	7.8	7.1	6.8
5°	5.4	4.6	4.1
7.5°	3.7	2.9	2.7
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	1.5
60°	1.0	1.2	1.2
62.5°	1.0	1.5	1.5
65°	1.2	1.5	1.5
67.5°	1.2	1.5	1.5
70°	1.0	1.2	1.5
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)