

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: P1334699

Luminaire Tested: P3A02R259040DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334699
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: P3A02R259040DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

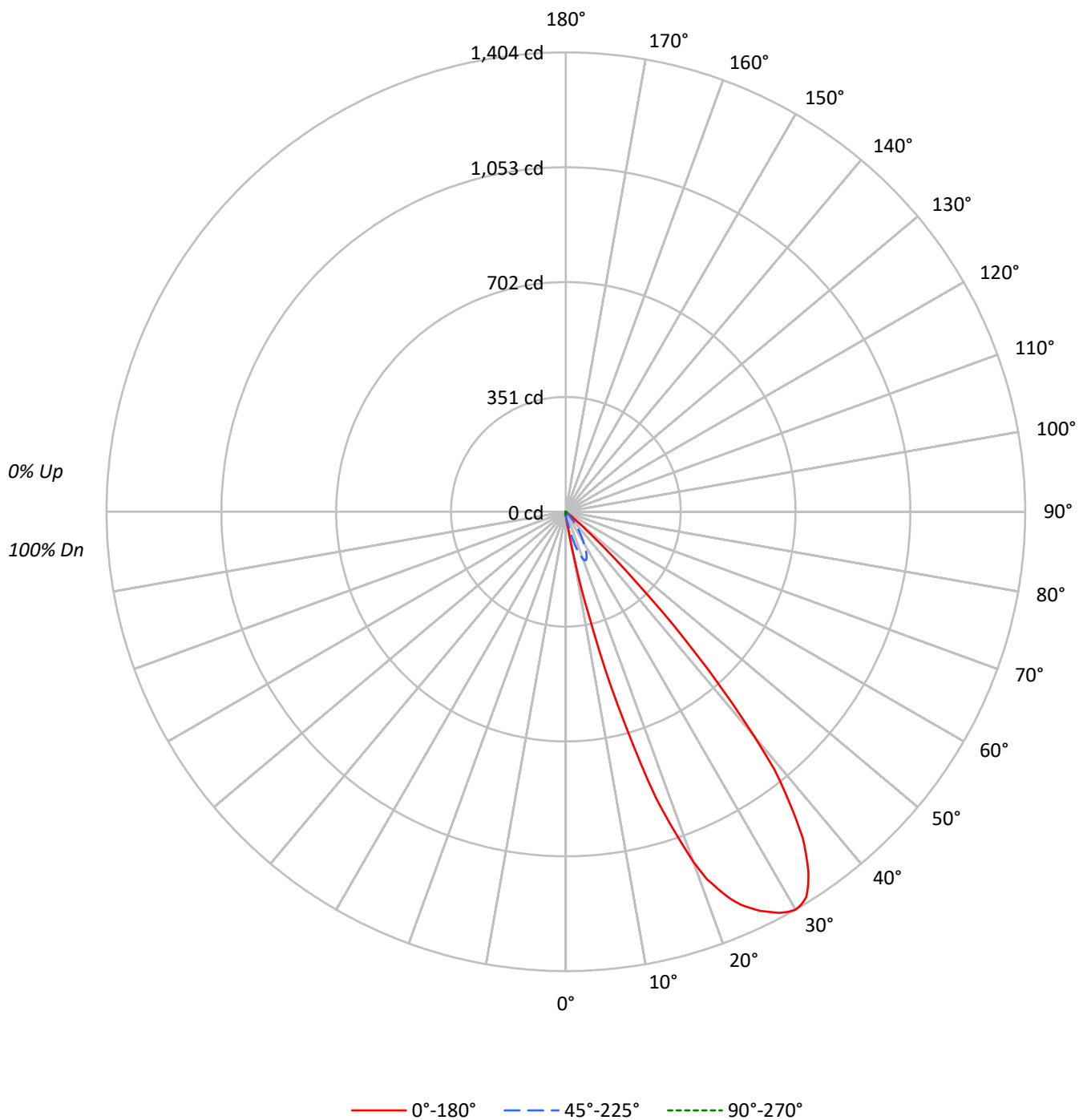
Lumens per Lamp: N/A
Luminaire Lumens: 281.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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	103	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°	2653	2653	2653	2653	2653
5°	6648	4909	2487	1277	991
10°	29013	8350	2049	579	401
15°	137958	22497	1430	227	182
20°	265580	36030	910	70	70
25°	323438	36341	508	0	0
30°	355624	27827	203	0	0
35°	342700	17694	80	0	0
40°	256051	7643	0	0	86
45°	94801	2047	93	93	248
50°	11189	273	171	171	341
55°	1109	0	191	306	497
60°	132	0	351	439	570
65°	156	156	519	675	830
70°	192	192	641	641	1026
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: 94801 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.6
10°-20°	32.8	11.7
20°-30°	102.8	36.6
30°-40°	108.2	38.5
40°-50°	31.8	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°	137.3	48.9
0°-40°	245.6	87.4
0°-60°	279.1	99.3
0°-90°	281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	281.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	30	22	11	6	4	5
15°	608	99	6	1	1	192
25°	1337	150	2	0	0	613
35°	1280	66	0	0	0	773
45°	306	7	0	0	1	278
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°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
2.5°	18.6	18.9	18.1	18.6	18.1	17.8	17.6	16.3	14.2	12.1	10.0
5°	30.2	30.2	28.8	28.6	28.1	27.0	26.0	22.3	16.0	11.3	7.9
7.5°	47.2	46.9	46.4	45.1	42.5	39.9	37.2	29.1	17.6	10.5	6.0
10°	130.3	128.5	126.1	111.9	96.0	81.8	69.5	37.5	18.9	9.2	4.5
12.5°	323.8	313.3	288.4	260.1	223.9	185.9	148.7	61.1	19.4	7.6	3.1
15°	607.7	586.0	547.2	490.5	416.6	333.5	262.7	99.1	18.9	6.3	2.4
17.5°	917.6	896.6	842.9	756.9	648.1	520.4	395.1	131.4	17.6	5.2	1.6
20°	1138.1	1115.8	1065.5	974.2	856.5	686.4	520.2	154.4	16.5	3.9	0.8
21°	1202.6	1180.3	1127.1	1039.0	915.3	744.6	560.3	158.4	15.7	3.4	0.5
22°	1243.5	1230.4	1173.2	1087.8	961.7	791.2	594.6	160.2	15.2	3.1	0.5
23°	1284.7	1265.0	1211.5	1121.3	997.1	825.9	620.0	158.9	14.7	2.6	0.3
24°	1315.1	1298.6	1236.4	1147.3	1021.7	847.1	635.0	155.5	13.9	2.4	0.3
25°	1336.8	1321.6	1256.9	1164.9	1038.2	858.6	639.7	150.2	13.1	2.1	0.3
26°	1357.6	1341.0	1273.9	1175.1	1046.9	862.3	635.3	144.5	12.3	1.8	0.0
27°	1372.5	1355.7	1285.7	1181.1	1047.4	857.8	623.2	136.6	11.5	1.6	0.0
28°	1388.5	1369.1	1293.8	1184.5	1044.2	847.4	605.9	128.2	11.0	1.3	0.0
29°	1398.2	1379.8	1302.2	1188.2	1037.7	829.8	580.7	118.2	9.7	0.8	0.0
30°	1404.5	1382.7	1301.4	1184.3	1029.0	810.9	550.6	109.9	8.4	0.8	0.0
31°	1399.2	1376.4	1293.1	1173.2	1015.1	786.3	519.6	99.4	6.8	0.5	0.0
32°	1388.0	1361.0	1278.4	1154.1	990.2	754.5	487.6	90.7	5.0	0.5	0.0
33°	1360.4	1337.6	1251.9	1128.4	957.7	711.5	446.0	82.3	3.4	0.3	0.0
34°	1325.8	1303.0	1215.7	1094.1	914.2	656.0	395.4	73.7	2.9	0.3	0.0
35°	1280.2	1257.7	1174.8	1046.1	856.5	589.1	343.2	66.1	2.4	0.3	0.0
36°	1232.2	1202.3	1123.2	995.0	779.2	513.1	287.3	57.4	1.8	0.3	0.0
37°	1161.7	1141.5	1053.7	917.1	695.6	440.2	246.7	49.6	1.3	0.3	0.0
38°	1088.6	1069.9	984.2	838.7	602.2	368.1	206.6	41.9	1.0	0.0	0.0
39°	1013.1	982.1	897.4	738.3	504.4	308.3	173.8	35.1	0.5	0.0	0.0
40°	894.5	871.0	780.5	617.7	417.4	249.9	148.1	26.7	0.5	0.0	0.0
42.5°	593.0	571.0	476.1	335.1	221.8	146.0	97.8	10.5	0.0	0.3	0.0
45°	305.7	291.8	237.0	175.4	125.8	89.7	62.9	6.6	0.0	0.3	0.3
47.5°	121.4	119.0	107.5	92.8	71.6	53.2	34.3	2.9	0.0	0.3	0.3
50°	32.8	33.0	30.9	28.6	26.0	24.4	14.4	0.8	0.0	0.5	0.3
52.5°	13.9	14.2	13.6	12.8	11.5	8.7	5.8	0.3	0.3	0.5	0.5
55°	2.9	3.1	3.4	3.7	4.2	3.7	2.4	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°	12.1	12.1	12.1
2.5°	8.4	7.6	7.3
5°	5.8	5.0	4.5
7.5°	3.9	3.1	2.9
10°	2.6	2.1	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	1.6
60°	1.0	1.3	1.3
62.5°	1.0	1.6	1.6
65°	1.3	1.6	1.6
67.5°	1.3	1.6	1.6
70°	1.0	1.3	1.6
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)