

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: P1334777

Luminaire Tested: P3A02R259740DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334777
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: P3A02R259740DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

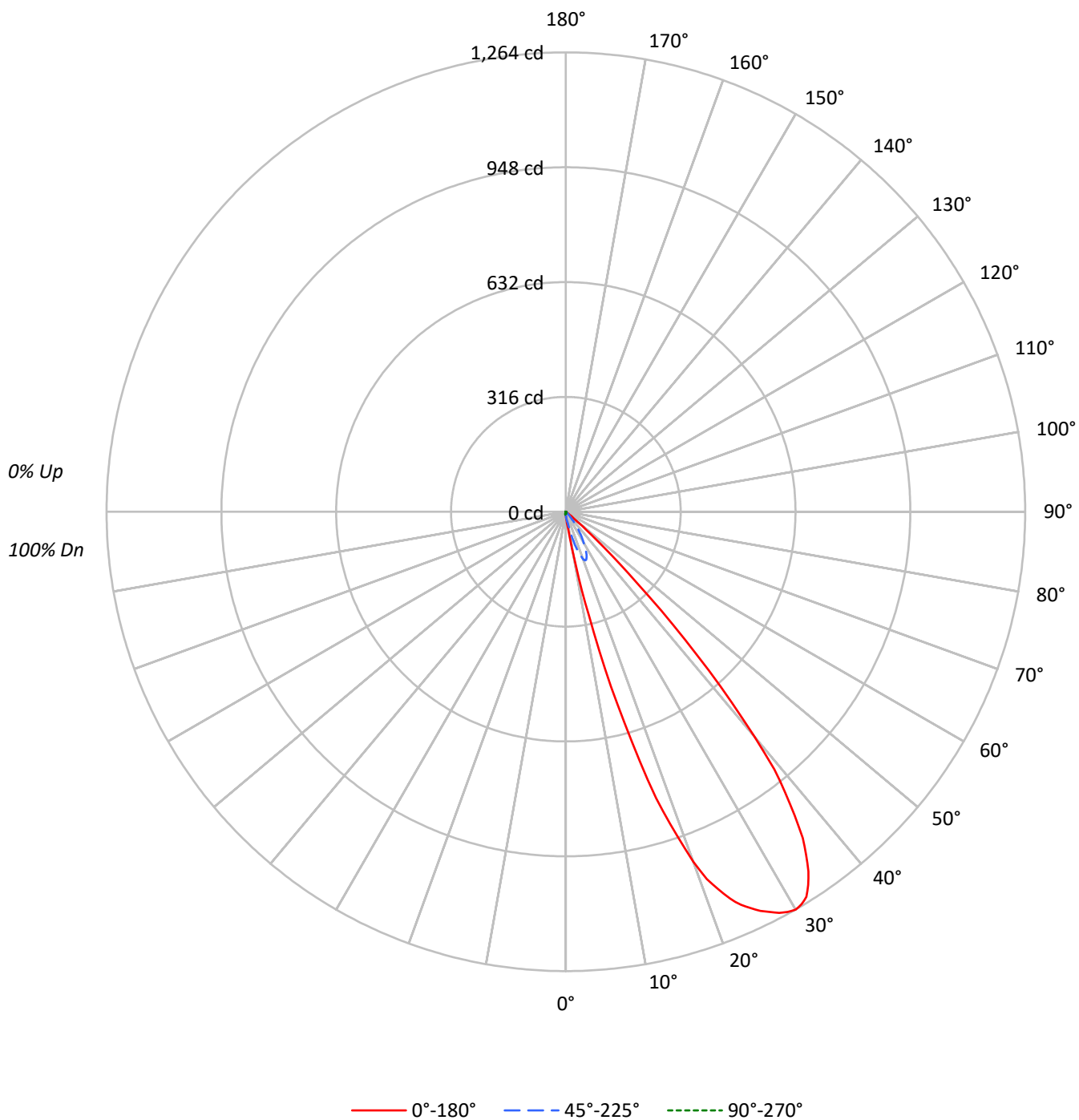
Lumens per Lamp: N/A
Luminaire Lumens: 252.9 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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°	2390	2390	2390	2390	2390
5°	5965	4424	2245	1145	880
10°	26118	7526	1848	534	379
15°	124223	20250	1294	204	159
20°	239117	32436	817	47	47
25°	291210	32736	460	0	0
30°	320176	25042	177	0	0
35°	308542	15928	54	0	0
40°	230546	6899	0	0	57
45°	85342	1830	62	62	217
50°	10064	239	171	171	307
55°	994	0	191	268	459
60°	88	0	307	395	526
65°	104	104	467	623	726
70°	128	128	577	577	898
75°	169	169	593	593	763
80°	0	253	884	631	884
85°	0	503	1761	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 85342 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.6
10°-20°	29.5	11.7
20°-30°	92.6	36.6
30°-40°	97.5	38.5
40°-50°	28.6	11.3
50°-60°	1.5	0.6
60°-70°	0.7	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°	123.7	48.9
0°-40°	221.1	87.4
0°-60°	251.3	99.3
0°-90°	252.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	252.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	27	20	10	5	4	5
15°	547	89	6	1	1	172
25°	1204	135	2	0	0	552
35°	1153	60	0	0	0	696
45°	275	6	0	0	1	250
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°	16.8	17.0	16.3	16.8	16.3	16.1	15.8	14.6	12.7	10.9	9.0
5°	27.1	27.1	26.0	25.7	25.3	24.3	23.4	20.1	14.4	10.2	7.1
7.5°	42.5	42.3	41.8	40.6	38.2	35.9	33.5	26.2	15.8	9.4	5.4
10°	117.3	115.7	113.5	100.8	86.4	73.6	62.6	33.8	17.0	8.3	4.0
12.5°	291.5	282.1	259.7	234.2	201.6	167.4	133.8	55.0	17.5	6.8	2.8
15°	547.2	527.6	492.6	441.7	375.1	300.3	236.5	89.2	17.0	5.7	2.1
17.5°	826.2	807.3	758.9	681.5	583.5	468.6	355.7	118.3	15.8	4.7	1.4
20°	1024.7	1004.6	959.3	877.2	771.2	618.0	468.3	139.0	14.9	3.5	0.7
21°	1082.8	1062.7	1014.8	935.5	824.1	670.4	504.4	142.6	14.2	3.1	0.5
22°	1119.6	1107.8	1056.3	979.4	865.8	712.4	535.4	144.2	13.7	2.8	0.5
23°	1156.7	1139.0	1090.8	1009.6	897.7	743.6	558.3	143.0	13.2	2.4	0.2
24°	1184.0	1169.2	1113.2	1033.0	919.9	762.7	571.7	140.0	12.5	2.1	0.2
25°	1203.6	1189.9	1131.6	1048.8	934.8	773.1	576.0	135.3	11.8	1.9	0.2
26°	1222.3	1207.4	1147.0	1058.0	942.6	776.4	572.0	130.1	11.1	1.7	0.0
27°	1235.7	1220.6	1157.6	1063.4	943.0	772.4	561.1	123.0	10.4	1.4	0.0
28°	1250.1	1232.7	1164.9	1066.5	940.2	762.9	545.5	115.4	9.9	1.2	0.0
29°	1258.9	1242.3	1172.5	1069.8	934.3	747.1	522.9	106.5	8.7	0.7	0.0
30°	1264.5	1244.9	1171.8	1066.2	926.5	730.1	495.7	98.9	7.6	0.7	0.0
31°	1259.8	1239.3	1164.2	1056.3	914.0	707.9	467.9	89.5	6.1	0.5	0.0
32°	1249.7	1225.3	1151.0	1039.1	891.6	679.4	439.1	81.7	4.5	0.5	0.0
33°	1224.9	1204.3	1127.1	1016.0	862.3	640.6	401.5	74.1	3.1	0.2	0.0
34°	1193.7	1173.2	1094.6	985.0	823.1	590.6	356.0	66.3	2.6	0.2	0.0
35°	1152.6	1132.3	1057.7	941.8	771.2	530.4	309.0	59.5	2.1	0.2	0.0
36°	1109.4	1082.5	1011.2	895.8	701.5	462.0	258.7	51.7	1.7	0.2	0.0
37°	1045.9	1027.8	948.7	825.7	626.2	396.3	222.1	44.6	1.2	0.2	0.0
38°	980.1	963.3	886.1	755.1	542.2	331.4	186.0	37.8	0.9	0.0	0.0
39°	912.1	884.3	808.0	664.7	454.2	277.6	156.5	31.6	0.5	0.0	0.0
40°	805.4	784.2	702.7	556.1	375.8	225.0	133.4	24.1	0.5	0.0	0.0
42.5°	534.0	514.1	428.7	301.7	199.7	131.5	88.0	9.4	0.0	0.2	0.0
45°	275.2	262.7	213.4	157.9	113.3	80.7	56.7	5.9	0.0	0.2	0.2
47.5°	109.3	107.2	96.8	83.6	64.4	47.9	30.9	2.6	0.0	0.2	0.2
50°	29.5	29.7	27.9	25.7	23.4	22.0	13.0	0.7	0.0	0.5	0.2
52.5°	12.5	12.7	12.3	11.6	10.4	7.8	5.2	0.2	0.2	0.5	0.5
55°	2.6	2.8	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	0.9
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.9	0.9
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.9
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.9
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	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	6.8	6.6
5°	5.2	4.5	4.0
7.5°	3.5	2.8	2.6
10°	2.4	1.9	1.7
12.5°	1.7	0.9	0.9
15°	0.9	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	0.9
50°	0.5	0.9	0.9
52.5°	0.7	0.9	1.2
55°	0.7	1.2	1.2
57.5°	0.9	1.2	1.4
60°	0.9	1.2	1.2
62.5°	0.9	1.4	1.4
65°	1.2	1.4	1.4
67.5°	1.2	1.4	1.4
70°	0.9	1.2	1.4
72.5°	0.9	1.2	1.2
75°	0.7	0.9	0.9
77.5°	0.7	0.7	0.9
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)