

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: P1335653

Luminaire Tested: P3A02R409030D2WDE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335653
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R409030D2WDE010 E3CA301MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

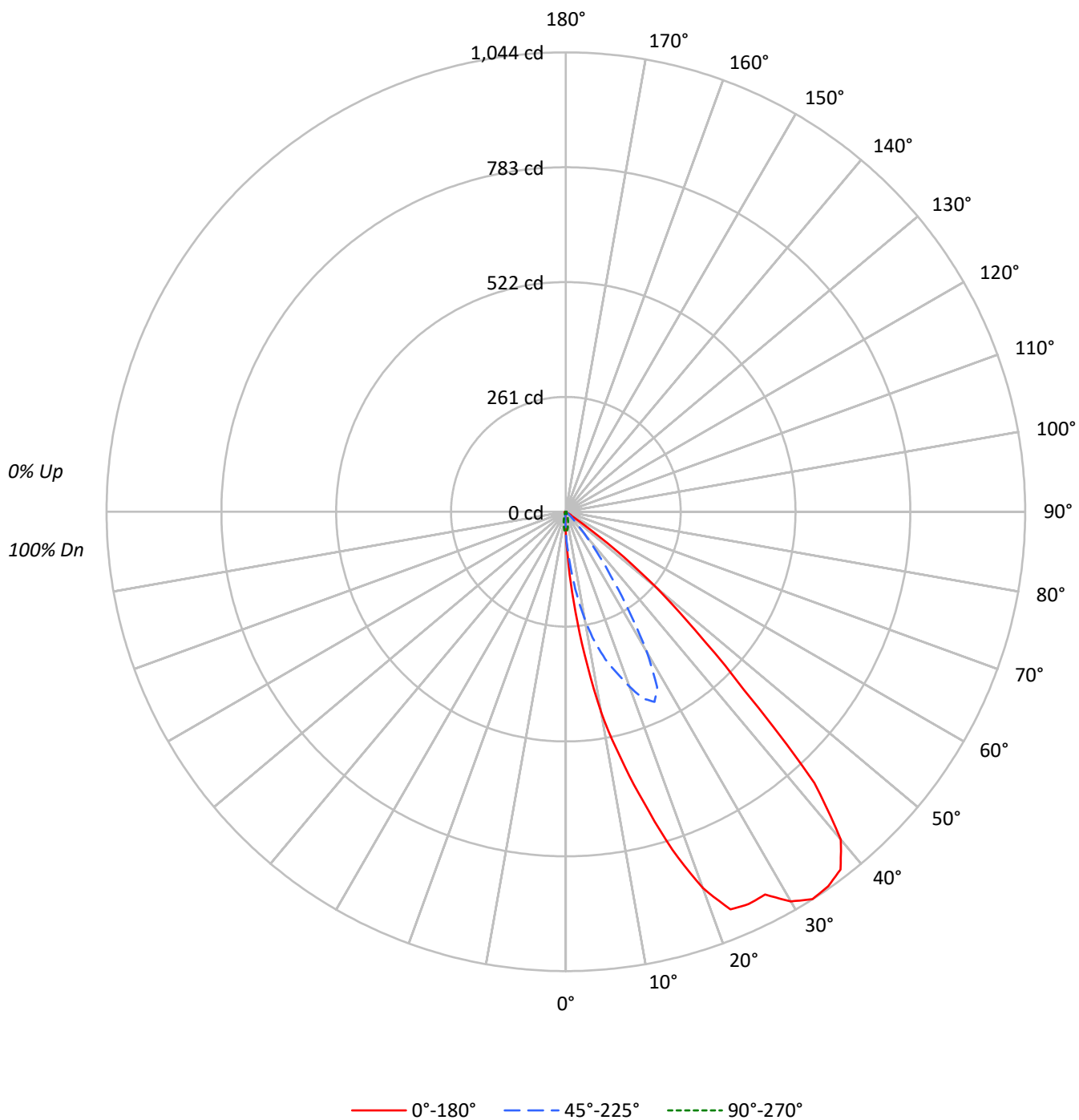
Lumens per Lamp: N/A
Luminaire Lumens: 385.1 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	93	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	84	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	76	76	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	68	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	62	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	56	56	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	51	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	46	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	42	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	38	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9999	9999	9999	9999	9999
5°	45058	28725	8959	3434	2509
10°	103316	55510	6301	1225	935
15°	155052	78752	3905	658	590
20°	212305	98709	2287	373	467
25°	238006	115337	1186	315	387
30°	258875	93103	506	253	405
35°	278213	47649	187	348	535
40°	278321	19007	86	372	658
45°	177693	6357	217	620	899
50°	92244	785	341	785	1126
55°	7952	115	382	994	1376
60°	307	132	439	1140	1579
65°	363	156	675	1193	1712
70°	192	192	833	1282	1667
75°	254	254	847	1356	1949
80°	379	379	1263	1263	1642
85°	0	755	2516	1761	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 177693 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.9	2.3
10°-20°	52.1	13.5
20°-30°	114.1	29.6
30°-40°	130.0	33.8
40°-50°	68.6	17.8
50°-60°	8.1	2.1
60°-70°	1.5	0.4
70°-80°	1.2	0.3
80°-90°	0.6	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°	175.1	45.5
0°-40°	305.1	79.2
0°-60°	381.8	99.2
0°-90°	385.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	385.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	46	46	46	46	46	
5°	205	130	41	16	11	28
15°	683	347	17	3	3	201
25°	984	477	5	1	2	453
35°	1039	178	1	1	2	644
45°	573	20	1	2	3	462
55°	21	0	1	3	4	65
65°	1	0	1	2	3	1
75°	0	0	1	2	2	0
85°	0	0	1	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
2.5°	101.5	101.5	101.2	98.3	97.9	97.6	92.4	91.1	84.9	80.7	61.5
5°	204.7	200.1	199.8	194.6	185.8	174.1	166.6	154.6	142.8	130.5	75.8
7.5°	326.0	330.0	319.2	313.7	294.2	280.2	258.7	239.8	213.5	188.7	87.5
10°	464.0	457.2	446.4	435.7	414.6	389.5	357.6	324.1	286.0	249.3	94.0
12.5°	571.7	562.9	556.4	541.8	521.0	488.7	450.7	405.8	355.3	302.3	93.7
15°	683.0	674.2	659.6	646.6	615.6	579.5	538.2	479.0	417.2	346.9	86.9
17.5°	805.4	794.0	777.7	757.8	727.9	687.9	635.5	563.3	475.7	383.3	74.5
20°	909.8	903.0	886.7	863.3	834.0	794.9	734.4	654.4	547.6	423.0	59.2
22.5°	978.1	972.0	960.9	940.4	918.3	876.6	821.3	733.4	607.8	459.1	44.9
25°	983.7	981.1	978.1	971.3	958.0	928.4	874.3	779.6	645.3	476.7	33.2
27.5°	980.7	979.8	979.1	975.5	966.7	937.5	882.1	786.5	640.4	449.4	24.4
30°	1022.4	1019.5	1017.8	1006.1	983.0	937.8	865.6	749.7	569.1	367.7	17.6
32.5°	1043.5	1042.9	1041.3	1029.9	997.3	938.4	837.6	660.9	451.3	265.5	12.0
35°	1039.3	1036.1	1030.2	1009.1	963.8	890.0	747.1	527.8	325.7	178.0	7.8
37.5°	1025.0	1017.5	1006.1	968.1	907.9	807.0	605.9	388.5	221.6	115.2	4.6
40°	972.3	962.2	944.3	897.8	818.7	665.1	448.1	262.6	145.5	66.4	1.3
42.5°	835.9	822.9	809.9	757.8	667.4	495.9	294.8	162.4	83.0	36.4	0.3
45°	573.0	556.8	538.9	501.1	428.5	300.3	175.4	91.4	43.0	20.5	0.3
47.5°	398.0	390.5	359.2	311.1	238.5	159.1	90.8	44.9	22.8	9.4	0.3
50°	270.4	261.9	225.5	179.0	126.9	76.1	41.7	22.5	10.1	2.3	0.3
52.5°	141.9	131.5	108.4	82.7	51.4	31.9	18.2	9.8	2.9	0.3	0.3
55°	20.8	19.2	15.6	12.7	11.4	8.8	5.2	2.3	0.3	0.3	0.7
57.5°	0.7	0.7	0.7	0.7	1.0	1.0	0.7	0.3	0.3	0.3	0.7
60°	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.7
62.5°	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.7
65°	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.7
67.5°	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.7	1.0
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	1.0
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
77.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	1.0
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7
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):

	90°	112.5°	135°	157.5°	180°
0°	45.6	45.6	45.6	45.6	45.6
2.5°	44.9	33.2	25.7	22.1	21.8
5°	40.7	23.8	15.6	12.0	11.4
7.5°	34.5	16.6	9.1	6.5	6.2
10°	28.3	11.4	5.5	4.6	4.2
12.5°	22.5	7.5	3.9	3.6	3.3
15°	17.2	4.9	2.9	2.6	2.6
17.5°	13.0	3.3	2.3	2.3	2.3
20°	9.8	2.3	1.6	2.0	2.0
22.5°	6.8	1.6	1.3	1.6	1.6
25°	4.9	1.3	1.3	1.6	1.6
27.5°	3.3	1.0	1.0	1.3	1.6
30°	2.0	0.7	1.0	1.3	1.6
32.5°	1.0	0.7	1.0	1.6	1.6
35°	0.7	1.0	1.3	1.6	2.0
37.5°	0.3	1.0	1.3	2.0	2.0
40°	0.3	1.0	1.3	2.0	2.3
42.5°	0.7	1.3	1.6	2.3	2.6
45°	0.7	1.3	2.0	2.6	2.9
47.5°	0.7	1.3	2.3	2.9	2.9
50°	1.0	1.6	2.3	2.9	3.3
52.5°	1.0	1.6	2.3	3.3	3.6
55°	1.0	1.6	2.6	3.3	3.6
57.5°	1.0	2.0	2.6	3.3	3.6
60°	1.0	1.6	2.6	3.3	3.6
62.5°	1.3	1.6	2.3	3.3	3.3
65°	1.3	1.6	2.3	3.3	3.3
67.5°	1.3	1.6	2.3	2.9	2.9
70°	1.3	1.6	2.0	2.6	2.6
72.5°	1.3	1.6	2.0	2.3	2.6
75°	1.0	1.3	1.6	2.0	2.3
77.5°	1.0	1.3	1.3	2.0	2.0
80°	1.0	1.0	1.0	1.3	1.3
82.5°	1.0	1.0	0.7	1.0	1.0
85°	1.0	0.7	0.7	0.7	0.7
87.5°	0.7	0.7	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)