

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: P1334981

Luminaire Tested: P3A02R309030D2WDE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334981
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R309030D2WDE010 E3CA301MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

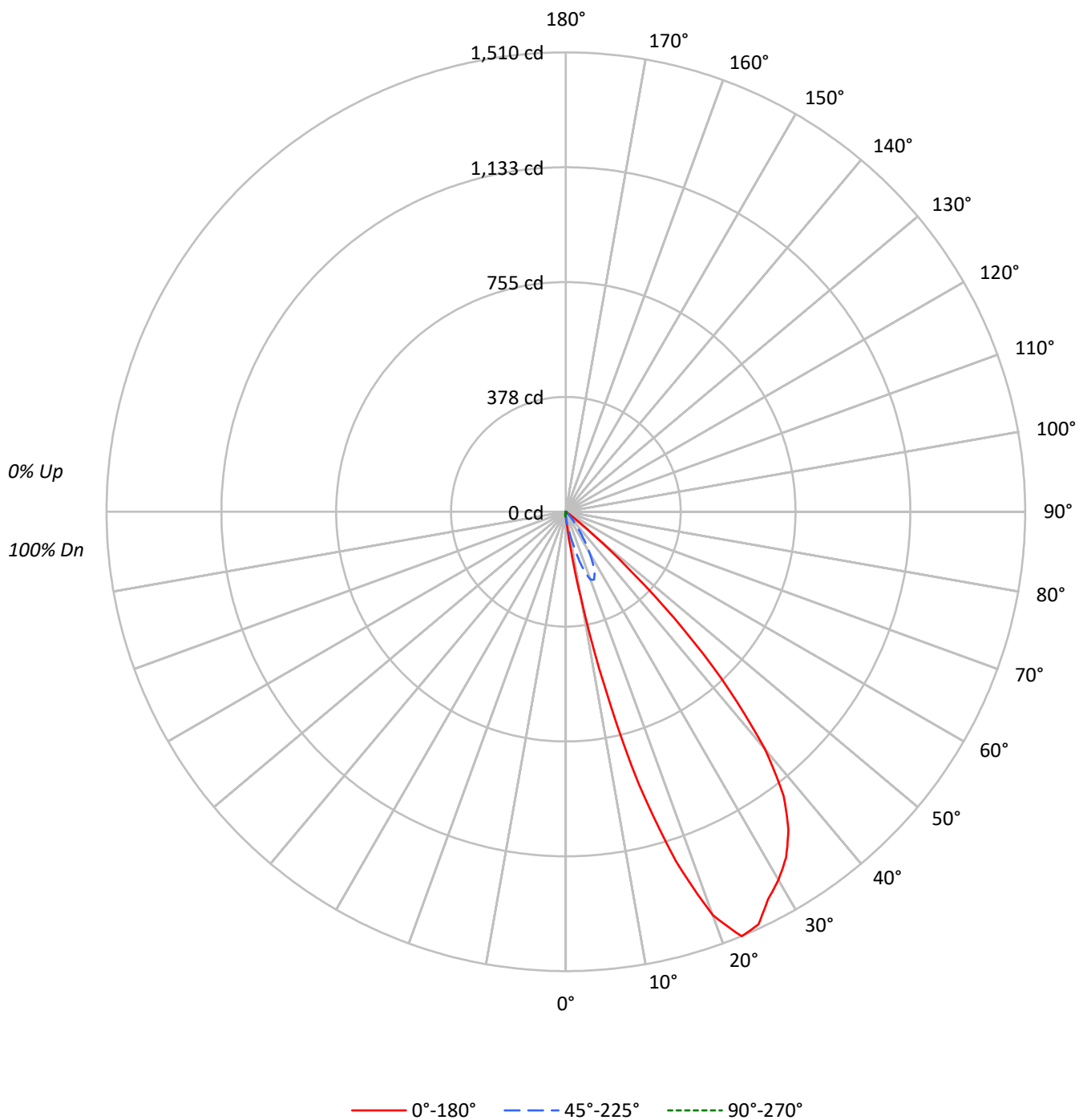
Lumens per Lamp: N/A
Luminaire Lumens: 356.0 lumens
Efficiency: N/A
Efficacy: 49.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1334981

CATALOG NUMBER: P3A02R309030D2WDE010 E3CA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1334981

CATALOG NUMBER: P3A02R309030D2WDE010 E3CA301MW

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	103	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	87	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	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3706	3706	3706	3706	3706
5°	11160	7440	3500	1585	1299
10°	64684	15787	2761	735	512
15°	210398	35823	1930	159	68
20°	329215	55421	1213	0	0
25°	362198	54148	629	0	0
30°	353776	39044	253	0	0
35°	341442	22218	80	0	0
40°	291174	9418	0	0	0
45°	170901	3535	93	0	93
50°	41517	682	102	102	341
55°	3594	0	268	382	497
60°	132	0	307	439	702
65°	156	156	519	519	830
70°	192	192	641	641	833
75°	0	254	847	847	847
80°	0	379	1263	884	884
85°	0	755	2516	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 170901 cd/sqm

TEST NUMBER: P1334981

CATALOG NUMBER: P3A02R309030D2WDE010 E3CA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.9
10°-20°	48.9	13.7
20°-30°	124.3	34.9
30°-40°	123.9	34.8
40°-50°	50.2	14.1
50°-60°	3.5	1.0
60°-70°	0.8	0.2
70°-80°	0.8	0.2
80°-90°	0.5	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°	176.4	49.5
0°-40°	300.3	84.3
0°-60°	354.0	99.4
0°-90°	356.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	356.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	17	17	17	17	17	
5°	51	34	16	7	6	12
15°	927	158	8	1	0	270
25°	1497	224	3	0	0	676
35°	1276	83	0	0	0	782
45°	551	11	0	0	0	420
55°	9	0	1	1	1	25
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	



TEST NUMBER: P1334981

CATALOG NUMBER: P3A02R309030D2WDE010 E3CA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
2.5°	28.0	28.3	28.3	27.7	27.3	27.3	26.3	26.0	25.0	24.1	20.8
5°	50.7	49.8	48.5	48.5	45.5	43.9	41.6	39.0	37.1	33.8	24.1
7.5°	115.2	107.3	105.1	102.1	91.1	82.3	72.2	63.4	55.3	48.5	26.7
10°	290.5	275.2	262.5	236.8	204.6	173.7	145.1	111.9	89.1	70.9	28.6
12.5°	585.2	564.7	540.3	493.5	433.3	356.2	287.9	215.0	150.9	104.4	29.3
15°	926.8	892.0	853.9	794.4	695.8	585.2	461.9	345.8	242.4	157.8	28.6
17.5°	1205.2	1191.6	1135.3	1054.0	933.3	790.8	638.9	480.1	326.9	206.6	26.7
20°	1410.8	1401.4	1333.4	1246.9	1110.9	947.6	754.7	564.1	385.8	237.5	23.7
22.5°	1510.1	1508.4	1459.3	1370.8	1226.7	1041.6	829.2	612.5	404.0	241.7	19.8
25°	1497.0	1502.9	1474.9	1409.2	1271.0	1080.3	851.3	612.5	390.7	223.8	16.6
27.5°	1437.8	1441.7	1424.2	1373.8	1244.9	1052.4	820.4	573.2	352.0	192.3	13.7
30°	1397.2	1398.8	1377.0	1323.0	1186.4	988.6	747.5	500.3	293.4	154.2	10.1
32.5°	1347.7	1347.4	1322.0	1260.2	1109.6	899.1	655.2	413.5	225.4	117.1	5.9
35°	1275.5	1267.4	1232.9	1161.7	995.1	778.8	537.1	314.9	162.3	83.0	3.6
37.5°	1176.3	1155.1	1106.4	1011.0	834.4	610.6	398.2	221.2	110.9	55.0	2.3
40°	1017.2	994.8	928.4	812.6	631.1	439.5	268.4	144.1	69.9	32.9	1.3
42.5°	797.6	782.4	692.9	577.4	416.7	280.4	161.4	85.2	39.4	18.9	0.3
45°	551.1	531.2	461.0	363.0	250.2	155.5	90.4	44.6	22.4	11.4	0.0
47.5°	304.2	279.8	239.1	188.0	125.9	81.7	45.5	24.1	12.7	5.5	0.0
50°	121.7	120.7	96.0	68.3	48.1	37.1	22.8	13.0	6.5	2.0	0.3
52.5°	42.6	42.6	36.8	29.9	23.4	16.9	11.4	6.2	2.3	0.7	0.3
55°	9.4	10.4	9.8	9.1	8.8	7.5	4.9	2.3	0.7	0.0	0.3
57.5°	1.0	1.0	1.0	1.3	1.6	1.6	1.3	0.7	0.0	0.0	0.3
60°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.7
62.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.7
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
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	0.3	1.0
75°	0.0	0.0	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	1.0
77.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

TEST NUMBER: P1334981

CATALOG NUMBER: P3A02R309030D2WDE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	16.9	16.9	16.9	16.9	16.9
2.5°	16.9	13.3	11.1	9.8	9.4
5°	15.9	10.1	7.2	6.2	5.9
7.5°	14.3	7.5	4.9	3.9	3.6
10°	12.4	5.5	3.3	2.3	2.3
12.5°	10.4	4.2	2.0	1.0	0.7
15°	8.5	2.6	0.7	0.3	0.3
17.5°	6.5	1.6	0.0	0.0	0.0
20°	5.2	0.7	0.0	0.0	0.0
22.5°	3.9	0.3	0.0	0.0	0.0
25°	2.6	0.0	0.0	0.0	0.0
27.5°	1.6	0.0	0.0	0.0	0.0
30°	1.0	0.0	0.0	0.0	0.0
32.5°	0.3	0.0	0.0	0.0	0.0
35°	0.3	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.3	0.0	0.0	0.3	0.3
47.5°	0.3	0.3	0.3	0.7	0.7
50°	0.3	0.3	0.3	0.7	1.0
52.5°	0.7	0.3	0.7	1.0	1.0
55°	0.7	0.7	1.0	1.3	1.3
57.5°	0.7	0.7	1.0	1.3	1.3
60°	0.7	0.7	1.0	1.3	1.6
62.5°	1.0	1.0	1.0	1.3	1.3
65°	1.0	1.0	1.0	1.3	1.6
67.5°	1.0	1.0	1.0	1.3	1.6
70°	1.0	1.0	1.0	1.3	1.3
72.5°	1.3	1.0	1.0	1.3	1.3
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	0.7	1.0	1.0
80°	1.0	0.7	0.7	0.7	0.7
82.5°	1.0	0.7	0.7	0.7	0.7
85°	1.0	0.7	0.3	0.3	0.3
87.5°	1.0	0.7	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)