

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: P1338335

Luminaire Tested: P3A05R359030D2WDE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R359030D2WDE010 E3CA301MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

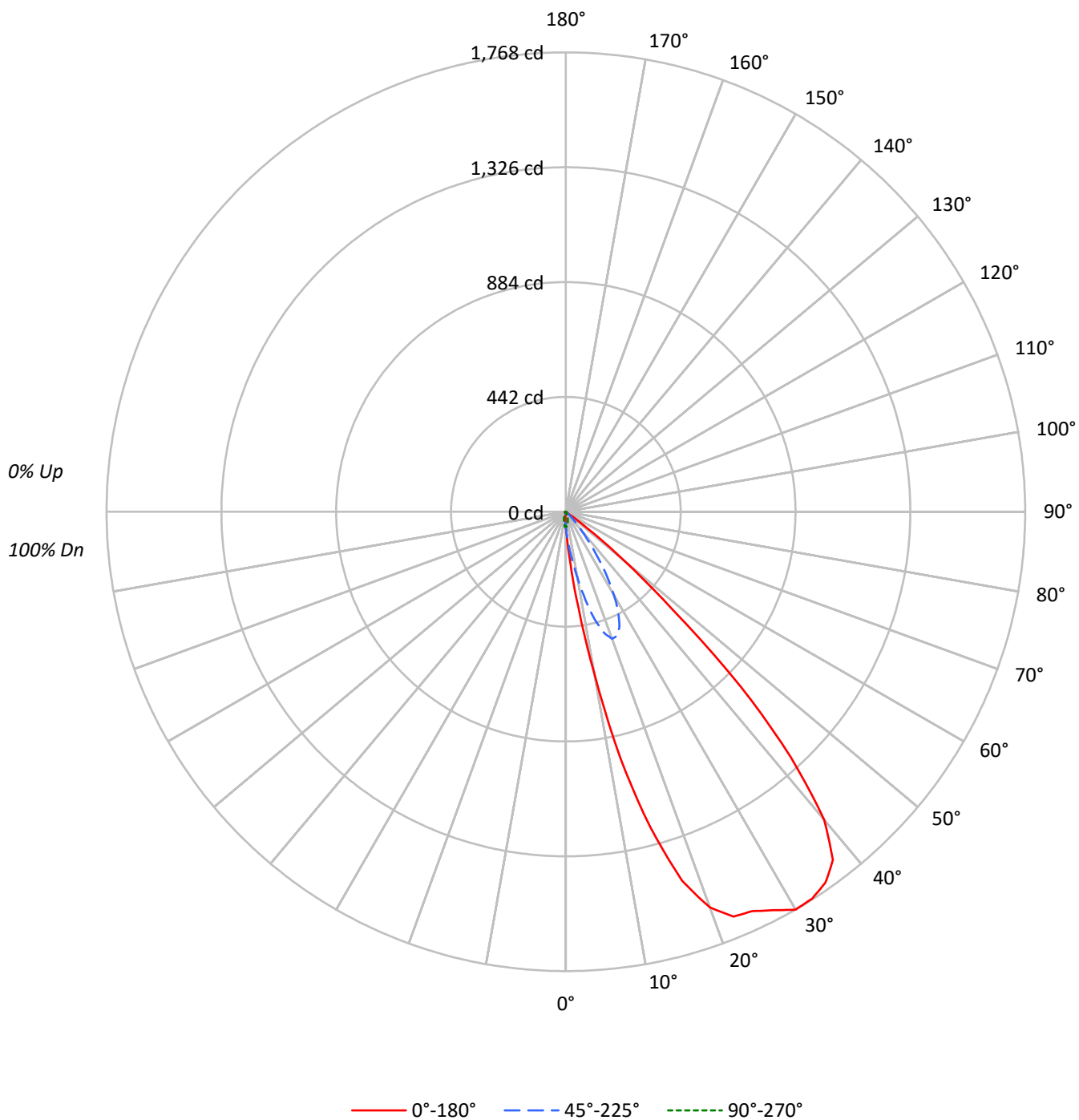
Lumens per Lamp: N/A
Luminaire Lumens: 556.0 lumens
Efficiency: N/A
Efficacy: 50.1 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12806	12806	12806	12806	12806
5°	43605	28351	11974	5063	3742
10°	140367	57447	9441	1893	1225
15°	285972	97435	6674	681	454
20°	378173	121367	4317	233	233
25°	410322	117975	2419	121	242
30°	447613	94014	1013	127	253
35°	466427	58518	268	134	268
40°	442601	25562	143	286	429
45°	295473	10203	155	465	775
50°	99101	1706	341	682	1023
55°	5543	191	382	956	1338
60°	439	219	658	1096	1535
65°	519	259	778	1297	1816
70°	321	321	962	1603	1923
75°	424	424	1271	1694	2118
80°	0	631	1894	1894	1894
85°	0	1258	3774	1258	2516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 295473 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	1.8
10°-20°	79.8	14.4
20°-30°	168.5	30.3
30°-40°	191.2	34.4
40°-50°	94.1	16.9
50°-60°	8.2	1.5
60°-70°	1.7	0.3
70°-80°	1.5	0.3
80°-90°	0.8	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°	258.5	46.5
0°-40°	449.8	80.9
0°-60°	552.0	99.3
0°-90°	556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	556.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	58	58	58	58	58	
5°	198	129	54	23	17	33
15°	1260	429	29	3	2	358
25°	1696	488	10	0	1	789
35°	1742	219	1	0	1	1074
45°	953	33	0	2	2	704
55°	14	0	1	2	4	57
65°	1	0	2	2	4	1
75°	0	0	2	2	2	0
85°	0	0	2	0	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°	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
2.5°	101.3	103.8	102.8	102.3	101.8	99.8	95.3	94.8	90.3	87.3	72.4
5°	198.1	194.2	195.1	189.7	182.7	172.7	166.2	152.2	140.7	128.8	84.3
7.5°	373.3	367.8	357.4	341.4	324.9	303.5	271.0	245.1	215.1	186.7	93.8
10°	630.4	627.4	613.9	573.0	537.0	479.6	425.7	368.8	312.9	258.0	100.3
12.5°	973.7	953.3	928.8	874.4	803.6	731.7	625.4	527.1	437.7	345.9	100.8
15°	1259.7	1246.8	1212.3	1141.4	1056.1	952.3	826.0	693.7	559.0	429.2	95.8
17.5°	1489.8	1469.9	1425.4	1356.1	1257.7	1123.0	975.2	814.0	649.8	488.6	87.3
20°	1620.6	1610.1	1576.2	1506.8	1399.5	1252.2	1084.0	896.4	706.7	520.1	76.4
22.5°	1686.5	1679.0	1654.0	1598.6	1498.3	1350.1	1157.4	939.3	723.2	516.6	64.9
25°	1695.9	1693.9	1672.5	1630.6	1546.7	1400.0	1189.4	947.3	709.7	487.6	53.9
27.5°	1728.9	1721.9	1696.4	1654.5	1570.2	1408.5	1178.4	919.8	666.3	436.7	44.9
30°	1767.8	1762.8	1737.4	1693.9	1594.1	1400.5	1139.4	859.0	596.9	371.3	33.4
32.5°	1764.8	1762.8	1741.4	1695.4	1577.2	1353.6	1070.1	767.6	502.6	293.0	21.0
35°	1742.4	1735.4	1708.4	1637.5	1480.3	1232.8	938.3	643.8	397.8	218.6	13.5
37.5°	1688.5	1673.5	1628.1	1507.8	1307.1	1046.6	764.1	497.1	281.5	146.2	8.5
40°	1546.2	1527.2	1435.9	1290.7	1080.6	824.5	568.5	341.9	185.7	89.3	3.5
42.5°	1282.7	1244.3	1152.9	1003.7	806.5	582.9	373.3	221.6	109.3	53.9	1.0
45°	952.8	923.3	827.5	692.3	528.5	373.8	226.1	119.8	60.4	32.9	0.5
47.5°	555.0	537.0	487.6	398.8	292.0	196.1	115.8	64.4	35.4	16.0	0.5
50°	290.5	268.0	230.6	174.7	128.8	90.3	56.4	34.4	17.5	5.0	0.5
52.5°	101.8	100.3	91.3	68.9	55.9	40.4	27.5	15.0	5.0	1.0	0.5
55°	14.5	14.5	13.5	15.0	16.0	14.5	9.5	4.0	1.0	0.5	0.5
57.5°	1.0	1.0	1.0	1.5	2.0	2.0	1.5	0.5	0.5	0.5	1.0
60°	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
62.5°	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
65°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
77.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
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°	58.4	58.4	58.4	58.4	58.4
2.5°	57.9	46.4	36.9	32.4	30.9
5°	54.4	34.9	23.0	18.0	17.0
7.5°	48.4	25.0	14.0	10.0	9.5
10°	42.4	18.0	8.5	6.0	5.5
12.5°	35.4	12.5	5.5	3.5	3.0
15°	29.4	8.5	3.0	2.5	2.0
17.5°	23.5	5.5	2.0	1.5	2.0
20°	18.5	3.5	1.0	1.0	1.0
22.5°	14.0	2.0	1.0	1.0	1.0
25°	10.0	1.0	0.5	0.5	1.0
27.5°	7.0	0.5	0.5	0.5	1.0
30°	4.0	0.5	0.5	0.5	1.0
32.5°	2.0	0.5	0.5	1.0	1.0
35°	1.0	0.5	0.5	1.0	1.0
37.5°	0.5	0.5	0.5	1.0	1.5
40°	0.5	0.5	1.0	1.5	1.5
42.5°	0.5	0.5	1.0	1.5	2.0
45°	0.5	1.0	1.5	2.0	2.5
47.5°	1.0	1.0	2.0	2.5	3.0
50°	1.0	1.5	2.0	3.0	3.0
52.5°	1.0	1.5	2.5	3.0	3.5
55°	1.0	2.0	2.5	3.5	3.5
57.5°	1.5	2.0	2.5	3.5	3.5
60°	1.5	2.0	2.5	3.5	3.5
62.5°	1.5	2.0	2.5	3.5	3.5
65°	1.5	2.0	2.5	3.5	3.5
67.5°	1.5	2.0	2.5	3.0	3.5
70°	1.5	2.0	2.5	3.0	3.0
72.5°	2.0	2.0	2.5	3.0	3.0
75°	1.5	2.0	2.0	2.5	2.5
77.5°	1.5	1.5	1.5	2.0	2.0
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.0	1.0	1.5	1.5
85°	1.5	1.0	0.5	1.0	1.0
87.5°	1.0	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)