

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: P1335157

Luminaire Tested: P3A02R309835DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335157
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: P3A02R309835DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

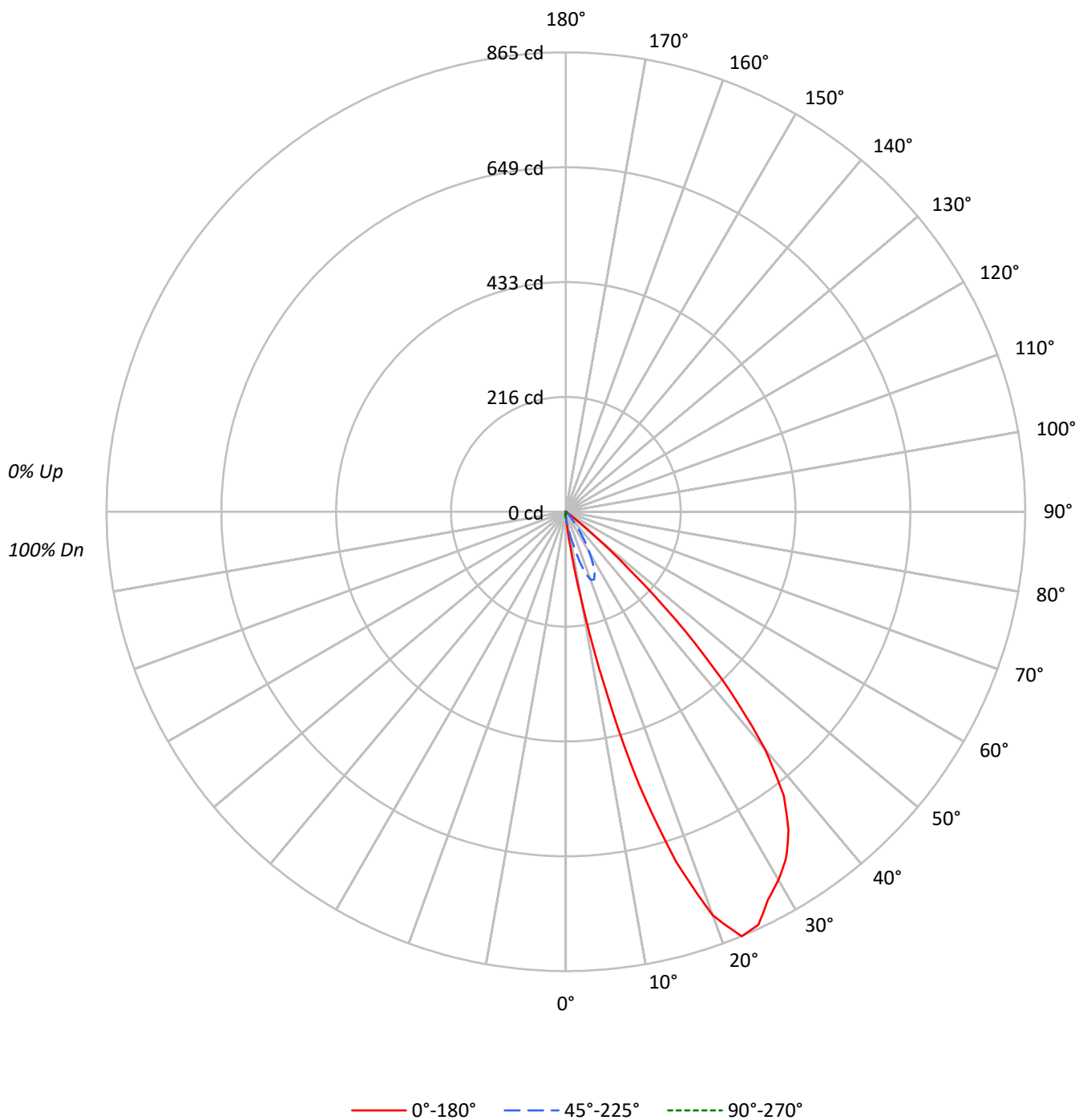
Lumens per Lamp: N/A
Luminaire Lumens: 204.1 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2127	2127	2127	2127	2127
5°	6405	4270	2003	902	748
10°	37073	9040	1581	423	289
15°	120568	20522	1090	91	45
20°	188666	31759	700	0	0
25°	207568	31018	363	0	0
30°	202715	22383	152	0	0
35°	195656	12715	54	0	0
40°	166855	5382	0	0	0
45°	97933	2016	62	0	62
50°	23777	375	68	68	205
55°	2064	0	153	229	268
60°	88	0	175	263	395
65°	104	104	311	311	467
70°	128	128	385	385	449
75°	0	169	508	508	508
80°	0	253	758	505	505
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 97933 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.9
10°-20°	28.0	13.7
20°-30°	71.3	34.9
30°-40°	71.0	34.8
40°-50°	28.8	14.1
50°-60°	2.0	1.0
60°-70°	0.5	0.2
70°-80°	0.5	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°	101.1	49.5
0°-40°	172.1	84.3
0°-60°	202.9	99.4
0°-90°	204.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	204.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	29	19	9	4	3	7
15°	531	90	5	0	0	155
25°	858	128	2	0	0	387
35°	731	48	0	0	0	448
45°	316	6	0	0	0	241
55°	5	0	0	1	1	14
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°	35°	40°	45°	67.5°
0°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
2.5°	16.0	16.2	16.2	15.8	15.7	15.7	15.1	14.9	14.4	13.8	11.9
5°	29.1	28.5	27.8	27.8	26.1	25.2	23.9	22.4	21.3	19.4	13.8
7.5°	66.0	61.5	60.2	58.5	52.2	47.2	41.4	36.3	31.7	27.8	15.3
10°	166.5	157.7	150.4	135.7	117.3	99.5	83.1	64.1	51.1	40.6	16.4
12.5°	335.4	323.6	309.6	282.8	248.3	204.1	165.0	123.2	86.5	59.8	16.8
15°	531.1	511.1	489.3	455.2	398.7	335.4	264.7	198.2	138.9	90.4	16.4
17.5°	690.6	682.8	650.6	604.0	534.8	453.2	366.1	275.1	187.3	118.4	15.3
20°	808.5	803.1	764.1	714.5	636.6	543.0	432.5	323.2	221.1	136.1	13.6
22.5°	865.3	864.4	836.2	785.5	702.9	596.9	475.2	351.0	231.5	138.5	11.4
25°	857.9	861.2	845.2	807.5	728.3	619.1	487.8	351.0	223.9	128.2	9.5
27.5°	823.9	826.2	816.1	787.2	713.4	603.0	470.1	328.5	201.7	110.2	7.8
30°	800.6	801.6	789.1	758.1	679.8	566.5	428.4	286.7	168.1	88.4	5.8
32.5°	772.3	772.1	757.6	722.1	635.8	515.2	375.4	236.9	129.2	67.1	3.4
35°	730.9	726.3	706.5	665.7	570.2	446.3	307.8	180.4	93.0	47.5	2.1
37.5°	674.1	661.9	634.0	579.4	478.1	349.9	228.2	126.8	63.6	31.5	1.3
40°	582.9	570.0	532.0	465.7	361.6	251.8	153.8	82.6	40.1	18.8	0.7
42.5°	457.1	448.3	397.1	330.9	238.8	160.7	92.5	48.8	22.6	10.8	0.2
45°	315.8	304.4	264.1	208.0	143.3	89.1	51.8	25.5	12.9	6.5	0.0
47.5°	174.3	160.3	137.0	107.7	72.1	46.8	26.1	13.8	7.3	3.2	0.0
50°	69.7	69.2	55.0	39.1	27.6	21.3	13.0	7.5	3.7	1.1	0.2
52.5°	24.4	24.4	21.1	17.1	13.4	9.7	6.5	3.5	1.3	0.4	0.2
55°	5.4	6.0	5.6	5.2	5.0	4.3	2.8	1.3	0.4	0.0	0.2
57.5°	0.6	0.6	0.6	0.7	0.9	0.9	0.7	0.4	0.0	0.0	0.2
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4
62.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.4
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
75°	0.0	0.0	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.6
77.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
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°	9.7	9.7	9.7	9.7	9.7
2.5°	9.7	7.6	6.3	5.6	5.4
5°	9.1	5.8	4.1	3.5	3.4
7.5°	8.2	4.3	2.8	2.2	2.1
10°	7.1	3.2	1.9	1.3	1.3
12.5°	6.0	2.4	1.1	0.6	0.4
15°	4.8	1.5	0.4	0.2	0.2
17.5°	3.7	0.9	0.0	0.0	0.0
20°	3.0	0.4	0.0	0.0	0.0
22.5°	2.2	0.2	0.0	0.0	0.0
25°	1.5	0.0	0.0	0.0	0.0
27.5°	0.9	0.0	0.0	0.0	0.0
30°	0.6	0.0	0.0	0.0	0.0
32.5°	0.2	0.0	0.0	0.0	0.0
35°	0.2	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°	0.2	0.0	0.0	0.2	0.2
47.5°	0.2	0.2	0.2	0.4	0.4
50°	0.2	0.2	0.2	0.4	0.6
52.5°	0.4	0.2	0.4	0.6	0.6
55°	0.4	0.4	0.6	0.7	0.7
57.5°	0.4	0.4	0.6	0.7	0.7
60°	0.4	0.4	0.6	0.7	0.9
62.5°	0.6	0.6	0.6	0.7	0.7
65°	0.6	0.6	0.6	0.7	0.9
67.5°	0.6	0.6	0.6	0.7	0.9
70°	0.6	0.6	0.6	0.7	0.7
72.5°	0.7	0.6	0.6	0.7	0.7
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.4	0.6	0.6
80°	0.6	0.4	0.4	0.4	0.4
82.5°	0.6	0.4	0.4	0.4	0.4
85°	0.6	0.4	0.2	0.2	0.2
87.5°	0.6	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)