

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: P1335397

Luminaire Tested: P3A02R359727DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335397
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: P3A02R359727DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

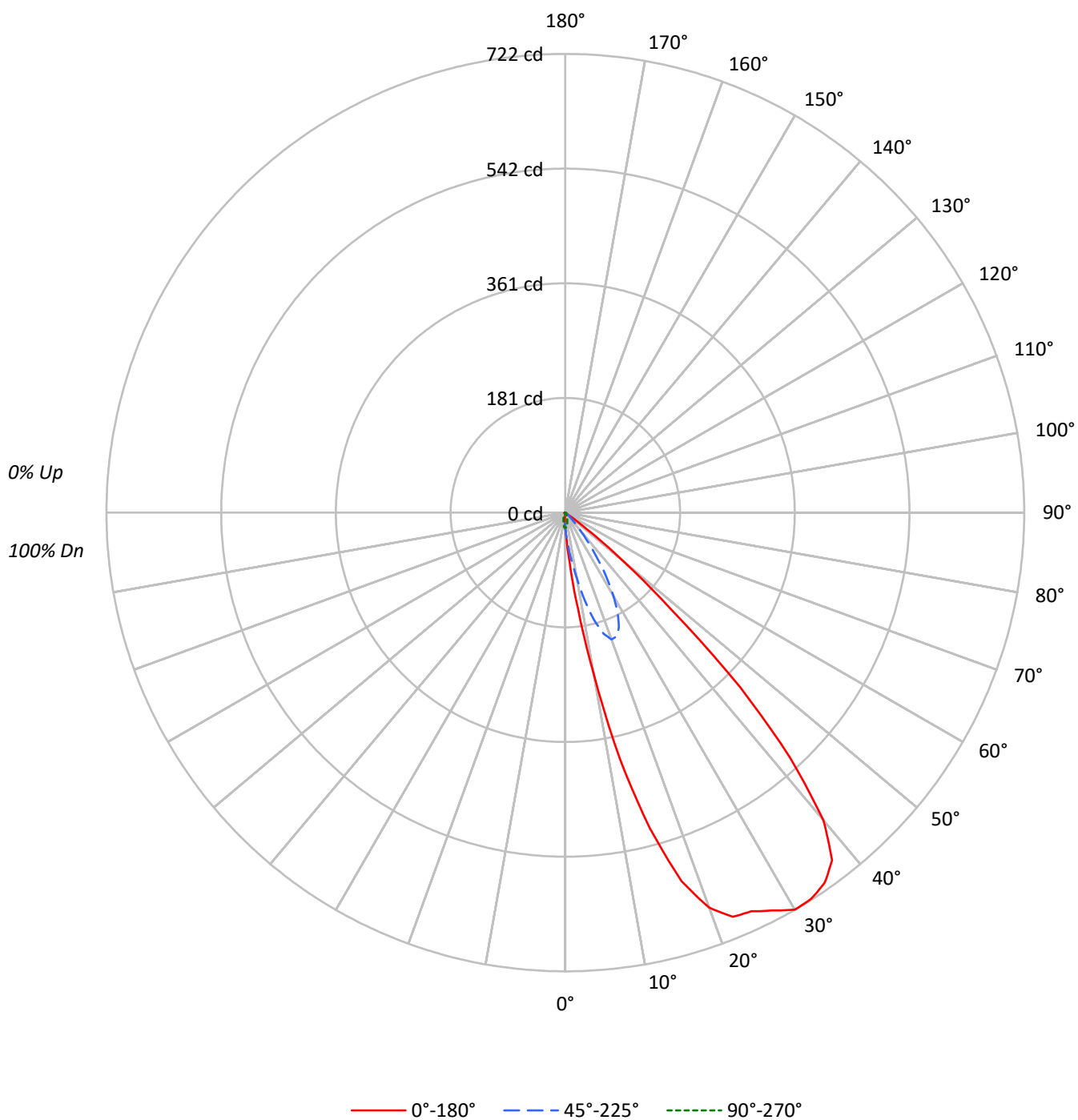
Lumens per Lamp: N/A
Luminaire Lumens: 227.0 lumens
Efficiency: N/A
Efficacy: 63.0 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	51	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°	5219	5219	5219	5219	5219
5°	17808	11578	4887	2069	1519
10°	57314	23446	3852	779	490
15°	116754	39773	2724	272	182
20°	154387	49541	1750	93	93
25°	167526	48172	992	48	97
30°	182762	38386	405	51	101
35°	190436	23905	107	54	107
40°	180710	10448	57	115	172
45°	120633	4155	62	186	310
50°	40459	682	136	273	409
55°	2256	76	153	382	535
60°	175	88	263	439	614
65°	208	104	311	519	726
70°	128	128	385	641	769
75°	169	169	508	678	847
80°	0	253	758	758	758
85°	0	503	1510	503	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 120633 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	1.8
10°-20°	32.6	14.4
20°-30°	68.8	30.3
30°-40°	78.1	34.4
40°-50°	38.4	16.9
50°-60°	3.3	1.5
60°-70°	0.7	0.3
70°-80°	0.6	0.3
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°	105.6	46.5
0°-40°	183.6	80.9
0°-60°	225.4	99.3
0°-90°	227.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	227.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	24	24	24	24	24	
5°	81	53	22	9	7	13
15°	514	175	12	1	1	146
25°	692	199	4	0	0	322
35°	711	89	0	0	0	438
45°	389	13	0	1	1	287
55°	6	0	0	1	1	23
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°	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
2.5°	41.4	42.4	42.0	41.8	41.6	40.8	38.9	38.7	36.9	35.7	29.5
5°	80.9	79.3	79.7	77.4	74.6	70.5	67.9	62.1	57.5	52.6	34.4
7.5°	152.4	150.2	145.9	139.4	132.7	123.9	110.6	100.1	87.8	76.2	38.3
10°	257.4	256.1	250.6	233.9	219.3	195.8	173.8	150.6	127.8	105.3	41.0
12.5°	397.6	389.2	379.2	357.0	328.1	298.7	255.3	215.2	178.7	141.2	41.2
15°	514.3	509.0	495.0	466.0	431.2	388.8	337.2	283.2	228.2	175.2	39.1
17.5°	608.3	600.1	582.0	553.6	513.5	458.5	398.2	332.3	265.3	199.5	35.7
20°	661.6	657.4	643.5	615.2	571.4	511.3	442.6	366.0	288.5	212.3	31.2
22.5°	688.5	685.5	675.3	652.7	611.7	551.2	472.5	383.5	295.3	210.9	26.5
25°	692.4	691.6	682.8	665.7	631.5	571.6	485.6	386.8	289.8	199.1	22.0
27.5°	705.9	703.0	692.6	675.5	641.1	575.0	481.1	375.5	272.0	178.3	18.3
30°	721.8	719.7	709.3	691.6	650.8	571.8	465.2	350.7	243.7	151.6	13.7
32.5°	720.5	719.7	711.0	692.2	643.9	552.6	436.9	313.4	205.2	119.6	8.6
35°	711.4	708.5	697.5	668.6	604.4	503.3	383.1	262.9	162.4	89.3	5.5
37.5°	689.4	683.2	664.7	615.6	533.7	427.3	312.0	203.0	114.9	59.7	3.5
40°	631.3	623.5	586.2	526.9	441.2	336.6	232.1	139.6	75.8	36.5	1.4
42.5°	523.7	508.0	470.7	409.8	329.3	238.0	152.4	90.5	44.6	22.0	0.4
45°	389.0	377.0	337.8	282.6	215.8	152.6	92.3	48.9	24.7	13.4	0.2
47.5°	226.6	219.3	199.1	162.8	119.2	80.1	47.3	26.3	14.5	6.5	0.2
50°	118.6	109.4	94.1	71.3	52.6	36.9	23.0	14.1	7.1	2.0	0.2
52.5°	41.6	41.0	37.3	28.1	22.8	16.5	11.2	6.1	2.0	0.4	0.2
55°	5.9	5.9	5.5	6.1	6.5	5.9	3.9	1.6	0.4	0.2	0.2
57.5°	0.4	0.4	0.4	0.6	0.8	0.8	0.6	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	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	0.2	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°	23.8	23.8	23.8	23.8	23.8
2.5°	23.6	19.0	15.1	13.2	12.6
5°	22.2	14.3	9.4	7.3	6.9
7.5°	19.8	10.2	5.7	4.1	3.9
10°	17.3	7.3	3.5	2.4	2.2
12.5°	14.5	5.1	2.2	1.4	1.2
15°	12.0	3.5	1.2	1.0	0.8
17.5°	9.6	2.2	0.8	0.6	0.8
20°	7.5	1.4	0.4	0.4	0.4
22.5°	5.7	0.8	0.4	0.4	0.4
25°	4.1	0.4	0.2	0.2	0.4
27.5°	2.9	0.2	0.2	0.2	0.4
30°	1.6	0.2	0.2	0.2	0.4
32.5°	0.8	0.2	0.2	0.4	0.4
35°	0.4	0.2	0.2	0.4	0.4
37.5°	0.2	0.2	0.2	0.4	0.6
40°	0.2	0.2	0.4	0.6	0.6
42.5°	0.2	0.2	0.4	0.6	0.8
45°	0.2	0.4	0.6	0.8	1.0
47.5°	0.4	0.4	0.8	1.0	1.2
50°	0.4	0.6	0.8	1.2	1.2
52.5°	0.4	0.6	1.0	1.2	1.4
55°	0.4	0.8	1.0	1.4	1.4
57.5°	0.6	0.8	1.0	1.4	1.4
60°	0.6	0.8	1.0	1.4	1.4
62.5°	0.6	0.8	1.0	1.4	1.4
65°	0.6	0.8	1.0	1.4	1.4
67.5°	0.6	0.8	1.0	1.2	1.4
70°	0.6	0.8	1.0	1.2	1.2
72.5°	0.8	0.8	1.0	1.2	1.2
75°	0.6	0.8	0.8	1.0	1.0
77.5°	0.6	0.6	0.6	0.8	0.8
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.4	0.4	0.6	0.6
85°	0.6	0.4	0.2	0.4	0.4
87.5°	0.4	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)