

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: P1345523

Luminaire Tested: P3A13R359730DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345523
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: P3A13R359730DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

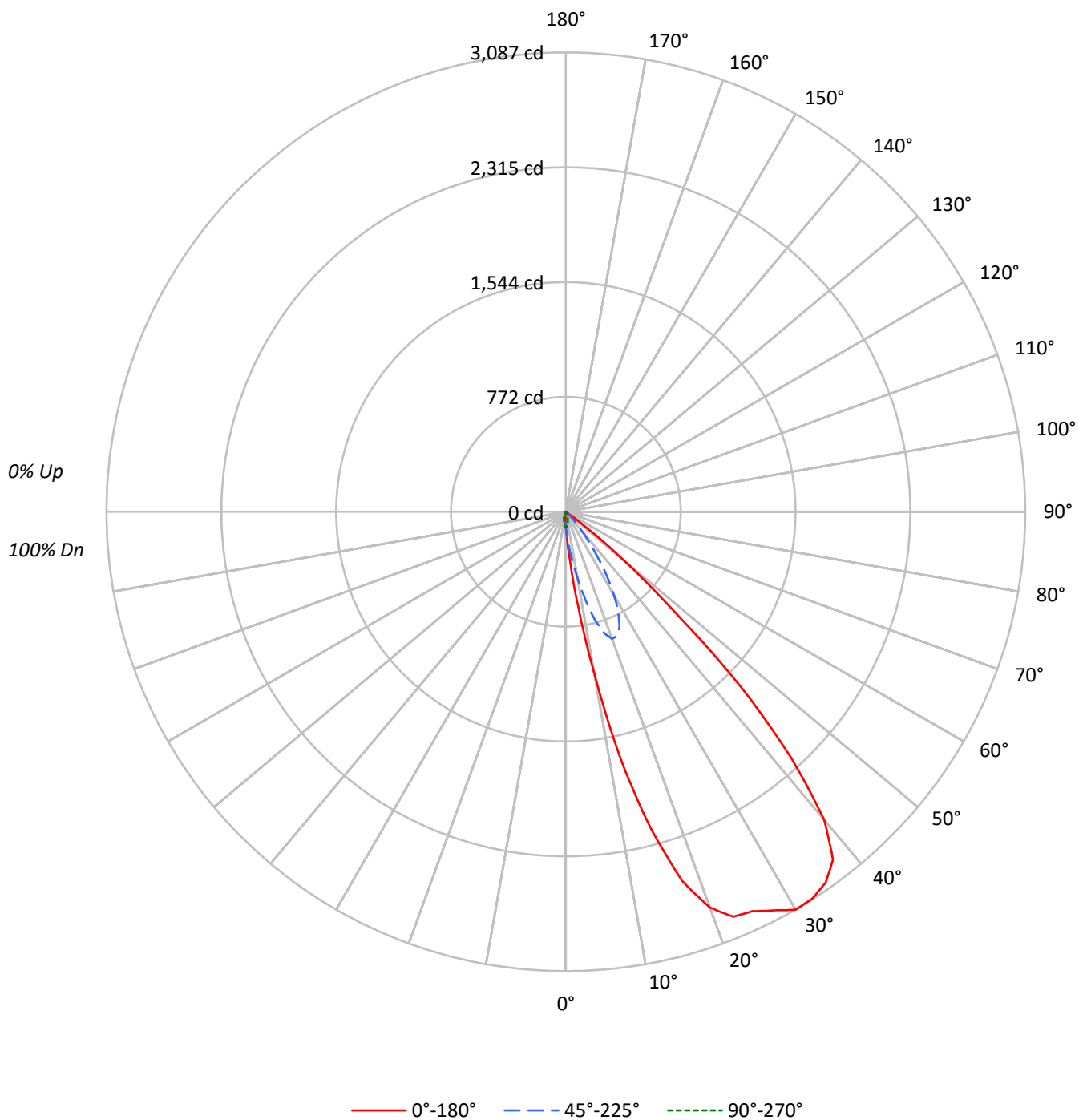
Lumens per Lamp: N/A
Luminaire Lumens: 971.0 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	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°	22367	22367	22367	22367	22367
5°	76161	49505	20911	8827	6516
10°	245130	100332	16499	3295	2138
15°	499435	170171	11669	1180	795
20°	660437	211932	7537	397	397
25°	716606	206044	4210	218	411
30°	781715	164202	1772	228	430
35°	814561	102205	455	241	455
40°	772962	44655	258	487	744
45°	515992	17831	279	806	1364
50°	173060	2968	580	1194	1774
55°	9672	344	650	1682	2332
60°	746	395	1140	1930	2675
65°	882	467	1349	2283	3165
70°	577	577	1667	2821	3334
75°	763	763	2203	2965	3728
80°	0	1137	3283	3283	3283
85°	0	2264	6542	2264	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 515992 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.7	1.8
10°-20°	139.4	14.4
20°-30°	294.4	30.3
30°-40°	334.0	34.4
40°-50°	164.4	16.9
50°-60°	14.2	1.5
60°-70°	2.9	0.3
70°-80°	2.7	0.3
80°-90°	1.3	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°	451.5	46.5
0°-40°	785.5	80.9
0°-60°	964.1	99.3
0°-90°	971.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	971.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	102	102	102	102	102	
5°	346	225	95	40	30	57
15°	2200	750	51	5	4	625
25°	2962	852	17	1	2	1378
35°	3043	382	2	1	2	1875
45°	1664	58	1	3	4	1229
55°	25	1	2	4	6	99
65°	2	1	3	4	6	1
75°	1	1	3	4	4	1
85°	0	1	3	1	2	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°	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0
2.5°	176.9	181.3	179.6	178.7	177.8	174.3	166.5	165.6	157.8	152.5	126.4
5°	346.0	339.1	340.8	331.2	319.0	301.6	290.3	265.8	245.8	224.9	147.3
7.5°	652.0	642.4	624.1	596.2	567.4	530.0	473.3	428.0	375.7	326.0	163.9
10°	1100.9	1095.6	1072.1	1000.6	937.9	837.6	743.5	644.1	546.5	450.6	175.2
12.5°	1700.6	1664.8	1622.1	1527.1	1403.3	1277.8	1092.2	920.4	764.4	604.0	176.1
15°	2200.0	2177.3	2117.2	1993.4	1844.4	1663.1	1442.5	1211.6	976.2	749.6	167.4
17.5°	2601.8	2567.0	2489.4	2368.2	2196.5	1961.2	1703.2	1421.6	1134.9	853.3	152.5
20°	2830.2	2811.9	2752.6	2631.5	2444.1	2186.9	1893.2	1565.4	1234.2	908.2	133.4
22.5°	2945.2	2932.2	2888.6	2791.8	2616.6	2357.8	2021.3	1640.4	1263.0	902.1	113.3
25°	2961.8	2958.3	2920.8	2847.6	2701.2	2444.9	2077.1	1654.4	1239.5	851.6	94.1
27.5°	3019.3	3007.1	2962.7	2889.5	2742.2	2459.7	2057.9	1606.4	1163.6	762.7	78.4
30°	3087.3	3078.6	3034.1	2958.3	2784.0	2445.8	1989.9	1500.1	1042.5	648.5	58.4
32.5°	3082.1	3078.6	3041.1	2960.9	2754.4	2363.9	1868.8	1340.6	877.7	511.6	36.6
35°	3042.9	3030.7	2983.6	2859.8	2585.3	2152.9	1638.7	1124.4	694.7	381.8	23.5
37.5°	2948.7	2922.6	2843.3	2633.2	2282.8	1827.8	1334.5	868.1	491.6	255.4	14.8
40°	2700.3	2667.2	2507.7	2254.0	1887.1	1439.9	992.8	597.1	324.2	156.0	6.1
42.5°	2240.1	2173.0	2013.5	1752.8	1408.6	1018.1	652.0	387.0	190.9	94.1	1.7
45°	1663.9	1612.5	1445.2	1209.0	923.1	652.9	394.8	209.2	105.5	57.5	0.9
47.5°	969.3	937.9	851.6	696.4	509.9	342.6	202.2	112.4	61.9	27.9	0.9
50°	507.3	468.1	402.7	305.1	224.9	157.8	98.5	60.1	30.5	8.7	0.9
52.5°	177.8	175.2	159.5	120.3	97.6	70.6	47.9	26.1	8.7	1.7	0.9
55°	25.3	25.3	23.5	26.1	27.9	25.3	16.6	7.0	1.7	0.9	0.9
57.5°	1.7	1.7	1.7	2.6	3.5	3.5	2.6	0.9	0.9	0.9	1.7
60°	1.7	1.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7
62.5°	1.7	1.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7
65°	1.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.6
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.6
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.6
77.5°	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.7
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°	102.0	102.0	102.0	102.0	102.0
2.5°	101.1	81.1	64.5	56.7	54.0
5°	95.0	61.0	40.1	31.4	29.6
7.5°	84.5	43.6	24.4	17.4	16.6
10°	74.1	31.4	14.8	10.5	9.6
12.5°	61.9	21.8	9.6	6.1	5.2
15°	51.4	14.8	5.2	4.4	3.5
17.5°	41.0	9.6	3.5	2.6	3.5
20°	32.3	6.1	1.7	1.7	1.7
22.5°	24.4	3.5	1.7	1.7	1.7
25°	17.4	1.7	0.9	0.9	1.7
27.5°	12.2	0.9	0.9	0.9	1.7
30°	7.0	0.9	0.9	0.9	1.7
32.5°	3.5	0.9	0.9	1.7	1.7
35°	1.7	0.9	0.9	1.7	1.7
37.5°	0.9	0.9	0.9	1.7	2.6
40°	0.9	0.9	1.7	2.6	2.6
42.5°	0.9	0.9	1.7	2.6	3.5
45°	0.9	1.7	2.6	3.5	4.4
47.5°	1.7	1.7	3.5	4.4	5.2
50°	1.7	2.6	3.5	5.2	5.2
52.5°	1.7	2.6	4.4	5.2	6.1
55°	1.7	3.5	4.4	6.1	6.1
57.5°	2.6	3.5	4.4	6.1	6.1
60°	2.6	3.5	4.4	6.1	6.1
62.5°	2.6	3.5	4.4	6.1	6.1
65°	2.6	3.5	4.4	6.1	6.1
67.5°	2.6	3.5	4.4	5.2	6.1
70°	2.6	3.5	4.4	5.2	5.2
72.5°	3.5	3.5	4.4	5.2	5.2
75°	2.6	3.5	3.5	4.4	4.4
77.5°	2.6	2.6	2.6	3.5	3.5
80°	2.6	2.6	2.6	2.6	2.6
82.5°	2.6	1.7	1.7	2.6	2.6
85°	2.6	1.7	0.9	1.7	1.7
87.5°	1.7	1.7	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)