

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: P1344931

Luminaire Tested: P3A13R309030DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344931
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: P3A13R309030DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

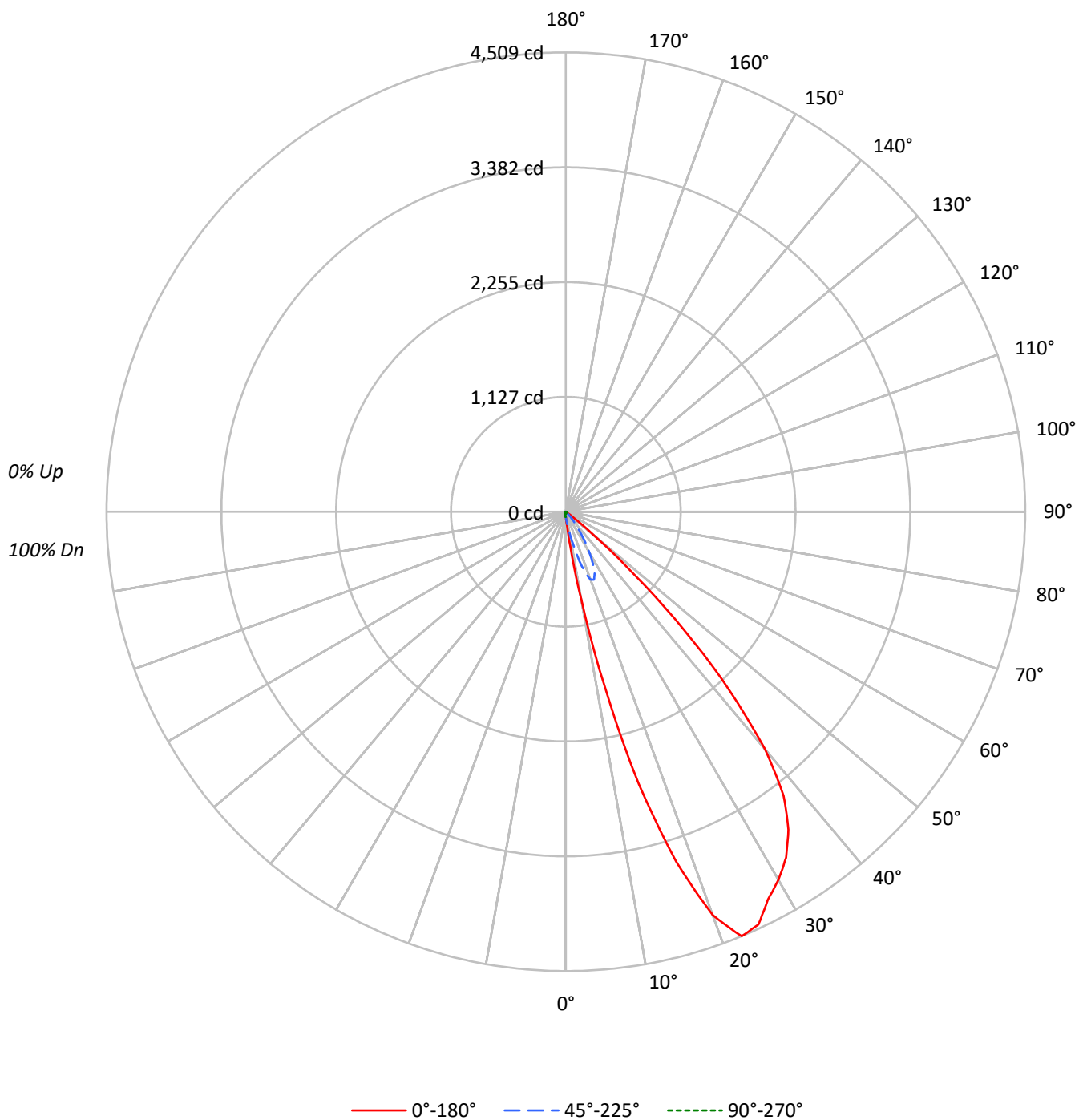
Lumens per Lamp: N/A
Luminaire Lumens: 1063.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	88	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	64	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	67	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°	11074	11074	11074	11074	11074
5°	33348	22232	10478	4711	3852
10°	193138	47160	8216	2160	1514
15°	628222	106947	5744	431	227
20°	983049	165471	3617	0	0
25°	1081538	161695	1887	0	0
30°	1056340	116575	734	0	0
35°	1019533	66307	268	0	0
40°	869458	28081	0	0	0
45°	510255	10544	310	0	310
50°	123936	1979	341	341	989
55°	10781	0	726	1109	1491
60°	439	0	833	1272	2149
65°	519	519	1505	1505	2542
70°	641	641	1859	1859	2500
75°	0	847	2457	2457	2457
80°	0	1263	3662	2399	2399
85°	0	2516	7296	2516	2516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 510255 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.9
10°-20°	146.1	13.7
20°-30°	371.3	34.9
30°-40°	370.1	34.8
40°-50°	149.9	14.1
50°-60°	10.4	1.0
60°-70°	2.3	0.2
70°-80°	2.3	0.2
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°	526.6	49.5
0°-40°	896.7	84.4
0°-60°	1057.0	99.4
0°-90°	1063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1063.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	50	50	50	50	50	
5°	152	101	48	21	18	35
15°	2767	471	25	2	1	805
25°	4470	668	8	0	0	2018
35°	3809	248	1	0	0	2335
45°	1645	34	1	0	1	1255
55°	28	0	2	3	4	74
65°	1	1	3	3	5	1
75°	0	1	3	3	3	0
85°	0	1	3	1	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°	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
2.5°	83.5	84.5	84.5	82.6	81.6	81.6	78.7	77.7	74.8	71.9	62.2
5°	151.5	148.6	144.7	144.7	136.0	131.1	124.3	116.6	110.7	101.0	71.9
7.5°	343.9	320.5	313.7	305.0	272.0	245.7	215.6	189.4	165.1	144.7	79.6
10°	867.4	821.8	783.9	707.1	611.0	518.7	433.2	334.1	266.1	211.8	85.5
12.5°	1747.4	1686.2	1613.4	1473.5	1293.8	1063.6	859.6	642.1	450.7	311.8	87.4
15°	2767.3	2663.4	2549.8	2372.0	2077.7	1747.4	1379.3	1032.5	723.6	471.1	85.5
17.5°	3598.8	3558.0	3390.0	3147.1	2786.8	2361.3	1907.7	1433.7	976.2	616.8	79.6
20°	4212.7	4184.5	3981.5	3723.1	3317.1	2829.5	2253.5	1684.3	1152.0	709.1	70.9
22.5°	4509.0	4504.1	4357.4	4093.2	3662.9	3110.2	2475.9	1829.0	1206.4	721.7	59.3
25°	4470.1	4487.6	4404.0	4207.8	3795.0	3225.8	2542.0	1829.0	1166.6	668.3	49.5
27.5°	4293.3	4305.0	4252.5	4102.0	3717.3	3142.3	2449.7	1711.5	1051.0	574.1	40.8
30°	4171.9	4176.8	4111.7	3950.4	3542.5	2951.9	2232.1	1493.9	876.1	460.4	30.1
32.5°	4024.3	4023.3	3947.5	3763.0	3313.2	2684.8	1956.3	1234.6	673.1	349.7	17.5
35°	3808.6	3784.3	3681.4	3468.7	2971.3	2325.4	1603.7	940.3	484.7	247.7	10.7
37.5°	3512.4	3449.2	3303.5	3018.9	2491.5	1823.2	1188.9	660.5	331.2	164.2	6.8
40°	3037.4	2970.4	2772.2	2426.4	1884.4	1312.3	801.4	430.3	208.8	98.1	3.9
42.5°	2381.7	2336.1	2069.0	1724.1	1244.3	837.3	481.8	254.5	117.5	56.3	1.0
45°	1645.4	1586.2	1376.4	1084.0	747.0	464.3	270.0	133.1	67.0	34.0	0.0
47.5°	908.2	835.4	713.9	561.4	375.9	243.8	136.0	71.9	37.9	16.5	0.0
50°	363.3	360.4	286.5	204.0	143.8	110.7	68.0	38.9	19.4	5.8	1.0
52.5°	127.2	127.2	109.8	89.4	69.9	50.5	34.0	18.5	6.8	1.9	1.0
55°	28.2	31.1	29.1	27.2	26.2	22.3	14.6	6.8	1.9	0.0	1.0
57.5°	2.9	2.9	2.9	3.9	4.9	4.9	3.9	1.9	0.0	0.0	1.0
60°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.9
62.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.9
65°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9
67.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.9
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.9
75°	0.0	0.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	2.9
77.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.9
82.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.9
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°	50.5	50.5	50.5	50.5	50.5
2.5°	50.5	39.8	33.0	29.1	28.2
5°	47.6	30.1	21.4	18.5	17.5
7.5°	42.7	22.3	14.6	11.7	10.7
10°	36.9	16.5	9.7	6.8	6.8
12.5°	31.1	12.6	5.8	2.9	1.9
15°	25.3	7.8	1.9	1.0	1.0
17.5°	19.4	4.9	0.0	0.0	0.0
20°	15.5	1.9	0.0	0.0	0.0
22.5°	11.7	1.0	0.0	0.0	0.0
25°	7.8	0.0	0.0	0.0	0.0
27.5°	4.9	0.0	0.0	0.0	0.0
30°	2.9	0.0	0.0	0.0	0.0
32.5°	1.0	0.0	0.0	0.0	0.0
35°	1.0	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°	1.0	0.0	0.0	1.0	1.0
47.5°	1.0	1.0	1.0	1.9	1.9
50°	1.0	1.0	1.0	1.9	2.9
52.5°	1.9	1.0	1.9	2.9	2.9
55°	1.9	1.9	2.9	3.9	3.9
57.5°	1.9	1.9	2.9	3.9	3.9
60°	1.9	1.9	2.9	3.9	4.9
62.5°	2.9	2.9	2.9	3.9	3.9
65°	2.9	2.9	2.9	3.9	4.9
67.5°	2.9	2.9	2.9	3.9	4.9
70°	2.9	2.9	2.9	3.9	3.9
72.5°	3.9	2.9	2.9	3.9	3.9
75°	2.9	2.9	2.9	2.9	2.9
77.5°	2.9	2.9	1.9	2.9	2.9
80°	2.9	1.9	1.9	1.9	1.9
82.5°	2.9	1.9	1.9	1.9	1.9
85°	2.9	1.9	1.0	1.0	1.0
87.5°	2.9	1.9	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)