

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: P1344535

Luminaire Tested: P3A13R259740DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344535
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R259740DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

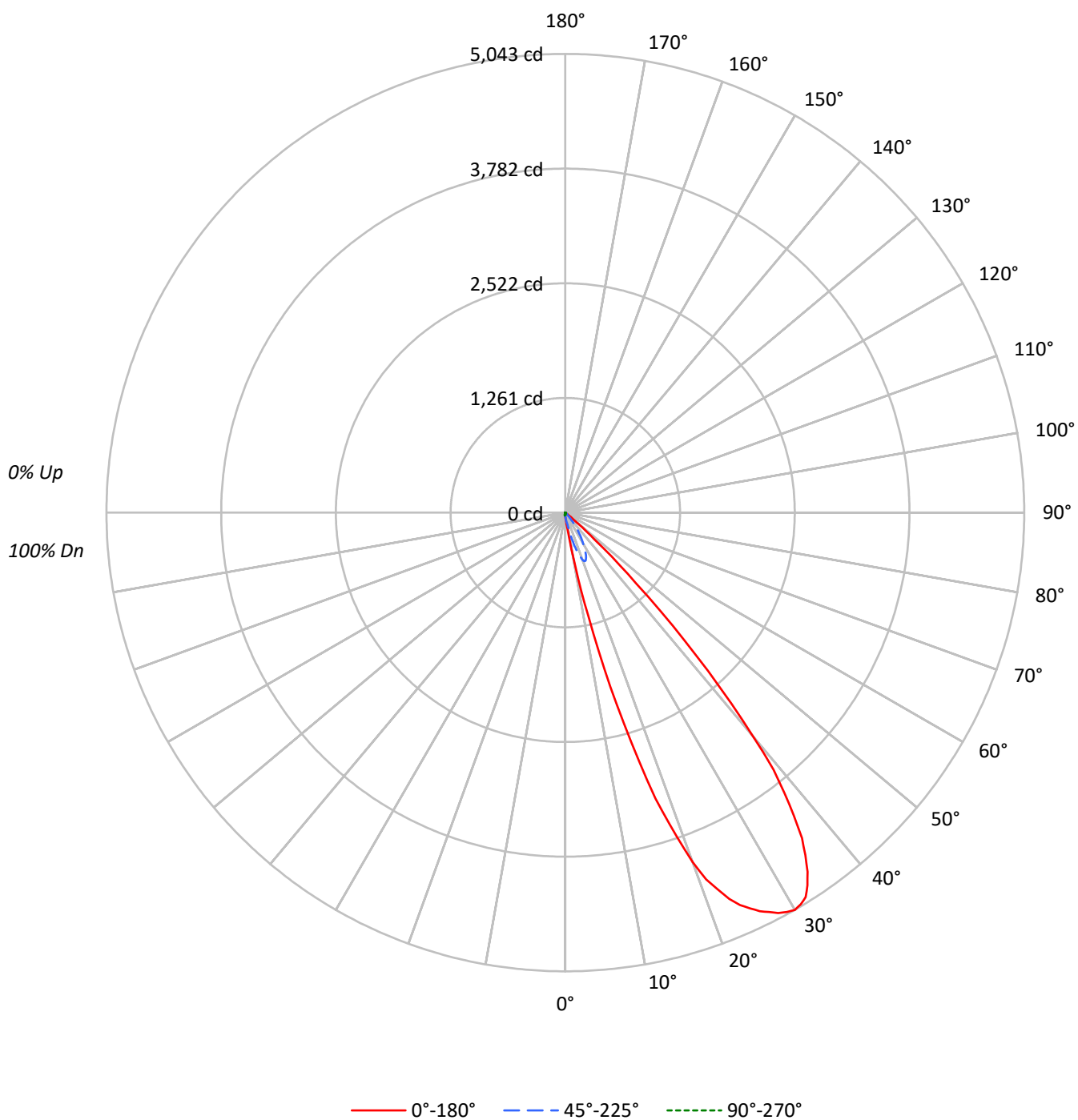
Lumens per Lamp: N/A
Luminaire Lumens: 1008.9 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	104	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	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9495	9495	9495	9495	9495
5°	23839	17609	8915	4556	3522
10°	104184	29970	7326	2093	1470
15°	495394	80795	5131	863	636
20°	953646	129395	3290	210	210
25°	1161406	130508	1815	0	0
30°	1276931	99889	709	0	0
35°	1230555	63497	241	0	0
40°	919466	27480	0	0	258
45°	340407	7288	279	279	868
50°	40152	955	648	648	1296
55°	3976	0	726	1070	1797
60°	395	0	1228	1667	2061
65°	467	467	1972	2439	2906
70°	577	577	2436	2436	3590
75°	763	763	2372	2372	3219
80°	0	1137	3536	2399	3536
85°	0	2264	7045	2264	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 340407 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	0.6
10°-20°	117.6	11.7
20°-30°	369.2	36.6
30°-40°	388.7	38.5
40°-50°	114.2	11.3
50°-60°	6.1	0.6
60°-70°	3.0	0.3
70°-80°	2.5	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°	493.2	48.9
0°-40°	881.8	87.4
0°-60°	1002.1	99.3
0°-90°	1008.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1008.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	43	43	43	43	43	
5°	108	80	40	21	16	19
15°	2182	356	23	4	3	688
25°	4800	539	8	0	0	2202
35°	4597	237	1	0	0	2774
45°	1098	24	1	1	3	998
55°	10	0	2	3	5	26
65°	1	1	4	5	6	1
75°	1	1	3	3	4	1
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°	45°	67.5°	90°	112.5°
0°	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
2.5°	66.8	67.8	65.0	66.8	65.0	64.0	63.1	58.4	50.8	43.3	35.8
5°	108.3	108.3	103.6	102.6	100.7	97.0	93.2	80.0	57.4	40.5	28.2
7.5°	169.5	168.5	166.6	161.9	152.5	143.1	133.7	104.5	63.1	37.7	21.7
10°	467.9	461.3	452.8	402.0	344.6	293.7	249.5	134.6	67.8	32.9	16.0
12.5°	1162.6	1125.0	1035.6	933.9	804.0	667.5	533.8	219.3	69.7	27.3	11.3
15°	2182.2	2104.1	1964.7	1761.4	1495.9	1197.5	943.3	355.9	67.8	22.6	8.5
17.5°	3294.9	3219.6	3026.6	2717.9	2327.2	1868.7	1418.7	471.6	63.1	18.8	5.6
20°	4086.7	4006.6	3825.9	3498.3	3075.6	2464.6	1867.8	554.5	59.3	14.1	2.8
21°	4318.2	4238.2	4047.1	3730.8	3286.5	2673.6	2011.8	568.6	56.5	12.2	1.9
22°	4465.1	4418.0	4212.8	3905.9	3453.1	2841.2	2135.1	575.2	54.6	11.3	1.9
23°	4612.9	4542.3	4350.3	4026.4	3580.2	2965.4	2226.4	570.5	52.7	9.4	0.9
24°	4722.1	4662.8	4439.7	4119.6	3668.7	3041.7	2280.1	558.3	49.9	8.5	0.9
25°	4800.2	4745.6	4513.1	4182.7	3728.0	3083.1	2297.0	539.4	47.1	7.5	0.9
26°	4874.6	4815.3	4574.3	4219.4	3759.0	3096.3	2281.0	518.7	44.2	6.6	0.0
27°	4928.3	4868.0	4616.7	4241.1	3760.9	3080.3	2237.7	490.5	41.4	5.6	0.0
28°	4985.7	4916.0	4645.9	4253.3	3749.6	3042.6	2175.6	460.3	39.5	4.7	0.0
29°	5020.5	4954.6	4676.0	4266.5	3726.1	2979.6	2085.2	424.6	34.8	2.8	0.0
30°	5043.1	4965.0	4673.2	4252.3	3695.0	2911.8	1977.0	394.5	30.1	2.8	0.0
31°	5024.3	4942.4	4643.0	4212.8	3645.1	2823.3	1865.9	356.8	24.5	1.9	0.0
32°	4983.8	4886.9	4590.3	4144.1	3555.7	2709.4	1751.0	325.7	17.9	1.9	0.0
33°	4885.0	4803.1	4495.2	4051.8	3439.0	2555.0	1601.3	295.6	12.2	0.9	0.0
34°	4760.7	4678.8	4365.3	3928.5	3282.7	2355.4	1419.6	264.5	10.4	0.9	0.0
35°	4596.9	4515.9	4218.5	3756.2	3075.6	2115.3	1232.3	237.2	8.5	0.9	0.0
36°	4424.6	4317.3	4033.0	3572.7	2797.9	1842.3	1031.8	206.2	6.6	0.9	0.0
37°	4171.4	4098.9	3783.5	3293.1	2497.6	1580.6	885.9	177.9	4.7	0.9	0.0
38°	3908.7	3841.9	3534.1	3011.6	2162.4	1321.7	741.8	150.6	3.8	0.0	0.0
39°	3637.6	3526.5	3222.4	2651.0	1811.3	1107.1	624.2	126.1	1.9	0.0	0.0
40°	3212.1	3127.4	2802.6	2218.0	1498.7	897.2	531.9	96.0	1.9	0.0	0.0
42.5°	2129.5	2050.4	1709.6	1203.1	796.4	524.4	351.1	37.7	0.0	0.9	0.0
45°	1097.7	1047.8	851.0	629.8	451.9	322.0	225.9	23.5	0.0	0.9	0.9
47.5°	435.9	427.4	386.0	333.3	257.0	191.1	123.3	10.4	0.0	0.9	0.9
50°	117.7	118.6	111.1	102.6	93.2	87.6	51.8	2.8	0.0	1.9	0.9
52.5°	49.9	50.8	49.0	46.1	41.4	31.1	20.7	0.9	0.9	1.9	1.9
55°	10.4	11.3	12.2	13.2	15.1	13.2	8.5	0.0	0.9	1.9	1.9
57.5°	1.9	1.9	1.9	1.9	2.8	2.8	1.9	0.0	0.9	1.9	2.8
60°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	1.9	2.8	2.8
62.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	2.8	3.8
65°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	3.8	3.8
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.8	3.8	3.8
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.8	3.8	3.8
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.8	3.8	2.8
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.8	2.8	2.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.9	2.8	2.8
80°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.9	2.8	1.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.9	2.8	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	2.8	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	2.8	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):

	135°	157.5°	180°
0°	43.3	43.3	43.3
2.5°	30.1	27.3	26.4
5°	20.7	17.9	16.0
7.5°	14.1	11.3	10.4
10°	9.4	7.5	6.6
12.5°	6.6	3.8	3.8
15°	3.8	2.8	2.8
17.5°	1.9	0.9	0.9
20°	0.9	0.9	0.9
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.9
39°	0.0	0.9	0.9
40°	0.0	0.9	0.9
42.5°	0.0	0.9	1.9
45°	0.9	1.9	2.8
47.5°	1.9	2.8	3.8
50°	1.9	3.8	3.8
52.5°	2.8	3.8	4.7
55°	2.8	4.7	4.7
57.5°	3.8	4.7	5.6
60°	3.8	4.7	4.7
62.5°	3.8	5.6	5.6
65°	4.7	5.6	5.6
67.5°	4.7	5.6	5.6
70°	3.8	4.7	5.6
72.5°	3.8	4.7	4.7
75°	2.8	3.8	3.8
77.5°	2.8	2.8	3.8
80°	1.9	2.8	2.8

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.9	1.9	1.9
85°	0.9	0.9	0.9
87.5°	0.9	0.9	0.9
90°	0.0	0.0	0.0

(END OF REPORT)