

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: P1344465

Luminaire Tested: P3A13R259050DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344465
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: P3A13R259050DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

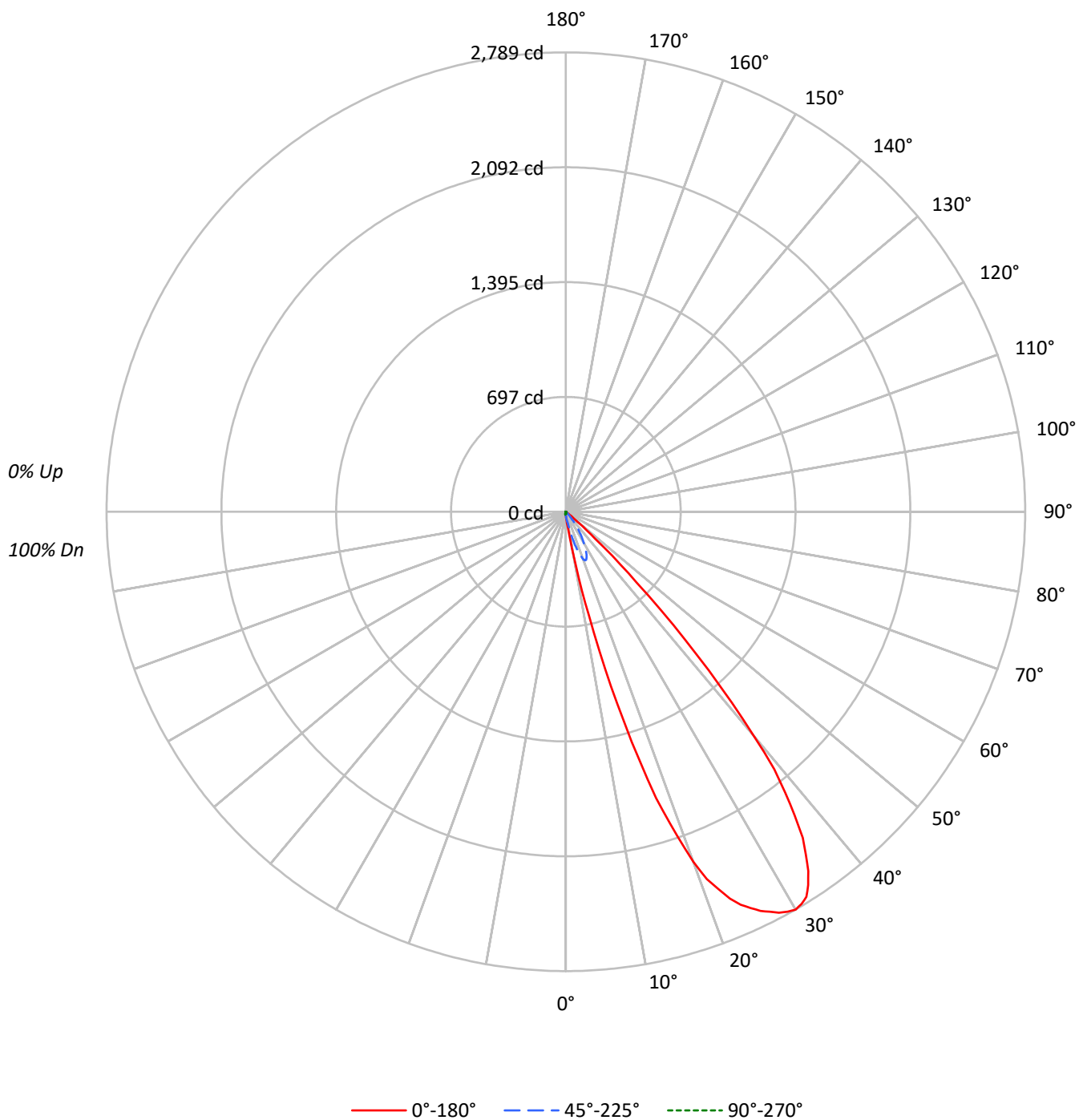
Lumens per Lamp: N/A
Luminaire Lumens: 558.0 lumens
Efficiency: N/A
Efficacy: 38.2 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5241	5241	5241	5241	5241
5°	13185	9751	4931	2531	1959
10°	57603	16566	4052	1158	802
15°	273963	44677	2838	477	363
20°	527379	71546	1820	117	117
25°	642279	72174	1016	0	0
30°	706185	55224	405	0	0
35°	680527	35121	134	0	0
40°	508496	15200	0	0	143
45°	188237	4031	155	155	496
50°	22208	546	341	341	716
55°	2179	0	382	612	994
60°	219	0	702	921	1140
65°	259	259	1090	1349	1608
70°	321	321	1346	1346	1988
75°	424	424	1356	1356	1779
80°	0	631	2020	1263	2020
85°	0	1258	4026	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 188237 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.6
10°-20°	65.1	11.7
20°-30°	204.2	36.6
30°-40°	214.9	38.5
40°-50°	63.1	11.3
50°-60°	3.4	0.6
60°-70°	1.6	0.3
70°-80°	1.4	0.3
80°-90°	0.7	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°	272.7	48.9
0°-40°	487.7	87.4
0°-60°	554.2	99.3
0°-90°	558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	558.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	24	24	24	24	24	
5°	60	44	22	12	9	11
15°	1207	197	12	2	2	380
25°	2655	298	4	0	0	1218
35°	2542	131	0	0	0	1534
45°	607	13	0	0	2	552
55°	6	0	1	2	3	15
65°	0	0	2	3	3	0
75°	0	0	2	2	2	0
85°	0	0	2	0	0	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°	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
2.5°	37.0	37.5	35.9	37.0	35.9	35.4	34.9	32.3	28.1	23.9	19.8
5°	59.9	59.9	57.3	56.7	55.7	53.6	51.5	44.3	31.8	22.4	15.6
7.5°	93.7	93.2	92.1	89.5	84.3	79.1	73.9	57.8	34.9	20.8	12.0
10°	258.7	255.1	250.4	222.3	190.5	162.4	138.0	74.4	37.5	18.2	8.9
12.5°	643.0	622.1	572.7	516.5	444.6	369.1	295.2	121.3	38.5	15.1	6.2
15°	1206.8	1163.6	1086.5	974.1	827.3	662.2	521.7	196.8	37.5	12.5	4.7
17.5°	1822.2	1780.5	1673.8	1503.0	1287.0	1033.4	784.6	260.8	34.9	10.4	3.1
20°	2260.0	2215.8	2115.8	1934.6	1700.9	1363.0	1032.9	306.6	32.8	7.8	1.6
21°	2388.1	2343.8	2238.1	2063.2	1817.5	1478.6	1112.6	314.5	31.2	6.8	1.0
22°	2469.3	2443.3	2329.8	2160.1	1909.6	1571.2	1180.8	318.1	30.2	6.2	1.0
23°	2551.0	2512.0	2405.8	2226.7	1979.9	1640.0	1231.3	315.5	29.2	5.2	0.5
24°	2611.4	2578.6	2455.2	2278.2	2028.9	1682.1	1260.9	308.7	27.6	4.7	0.5
25°	2654.6	2624.5	2495.9	2313.1	2061.7	1705.0	1270.3	298.3	26.0	4.2	0.5
26°	2695.8	2663.0	2529.7	2333.4	2078.8	1712.3	1261.5	286.9	24.5	3.6	0.0
27°	2725.5	2692.1	2553.1	2345.4	2079.9	1703.5	1237.5	271.2	22.9	3.1	0.0
28°	2757.2	2718.7	2569.3	2352.2	2073.6	1682.6	1203.2	254.6	21.9	2.6	0.0
29°	2776.5	2740.0	2585.9	2359.5	2060.6	1647.8	1153.2	234.8	19.3	1.6	0.0
30°	2789.0	2745.8	2584.4	2351.6	2043.4	1610.3	1093.3	218.1	16.7	1.6	0.0
31°	2778.6	2733.3	2567.7	2329.8	2015.8	1561.3	1031.9	197.3	13.5	1.0	0.0
32°	2756.2	2702.5	2538.5	2291.8	1966.4	1498.3	968.4	180.1	9.9	1.0	0.0
33°	2701.5	2656.2	2486.0	2240.8	1901.8	1413.0	885.6	163.5	6.8	0.5	0.0
34°	2632.8	2587.5	2414.1	2172.6	1815.4	1302.6	785.1	146.3	5.7	0.5	0.0
35°	2542.2	2497.4	2332.9	2077.3	1700.9	1169.8	681.5	131.2	4.7	0.5	0.0
36°	2446.9	2387.6	2230.3	1975.8	1547.3	1018.9	570.6	114.0	3.6	0.5	0.0
37°	2306.9	2266.8	2092.4	1821.1	1381.2	874.1	489.9	98.4	2.6	0.5	0.0
38°	2161.6	2124.7	1954.4	1665.5	1195.9	731.0	410.2	83.3	2.1	0.0	0.0
39°	2011.7	1950.2	1782.1	1466.1	1001.7	612.3	345.2	69.8	1.0	0.0	0.0
40°	1776.4	1729.5	1549.9	1226.6	828.8	496.2	294.2	53.1	1.0	0.0	0.0
42.5°	1177.6	1133.9	945.4	665.4	440.4	290.0	194.2	20.8	0.0	0.5	0.0
45°	607.0	579.5	470.6	348.3	249.9	178.1	124.9	13.0	0.0	0.5	0.5
47.5°	241.0	236.4	213.5	184.3	142.1	105.7	68.2	5.7	0.0	0.5	0.5
50°	65.1	65.6	61.4	56.7	51.5	48.4	28.6	1.6	0.0	1.0	0.5
52.5°	27.6	28.1	27.1	25.5	22.9	17.2	11.5	0.5	0.5	1.0	1.0
55°	5.7	6.2	6.8	7.3	8.3	7.3	4.7	0.0	0.5	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.6	1.6	1.0	0.0	0.5	1.0	1.6
60°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	1.0	1.6	1.6
62.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.6	2.1
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	2.1	2.1
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6	2.1	2.1
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6	2.1	2.1
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6	2.1	1.6
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6	1.6	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0	1.6	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0	1.6	1.0



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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	0.5	0.5	1.0	1.6	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.6	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.6	1.0
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°	23.9	23.9	23.9
2.5°	16.7	15.1	14.6
5°	11.5	9.9	8.9
7.5°	7.8	6.2	5.7
10°	5.2	4.2	3.6
12.5°	3.6	2.1	2.1
15°	2.1	1.6	1.6
17.5°	1.0	0.5	0.5
20°	0.5	0.5	0.5
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	0.5
39°	0.0	0.5	0.5
40°	0.0	0.5	0.5
42.5°	0.0	0.5	1.0
45°	0.5	1.0	1.6
47.5°	1.0	1.6	2.1
50°	1.0	2.1	2.1
52.5°	1.6	2.1	2.6
55°	1.6	2.6	2.6
57.5°	2.1	2.6	3.1
60°	2.1	2.6	2.6
62.5°	2.1	3.1	3.1
65°	2.6	3.1	3.1
67.5°	2.6	3.1	3.1
70°	2.1	2.6	3.1
72.5°	2.1	2.6	2.6
75°	1.6	2.1	2.1
77.5°	1.6	1.6	2.1
80°	1.0	1.6	1.6

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.0	1.0	1.0
85°	0.5	0.5	0.5
87.5°	0.5	0.5	0.5
90°	0.0	0.0	0.0

(END OF REPORT)