

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: P1345020

Luminaire Tested: P3A13R309735DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345020
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: P3A13R309735DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

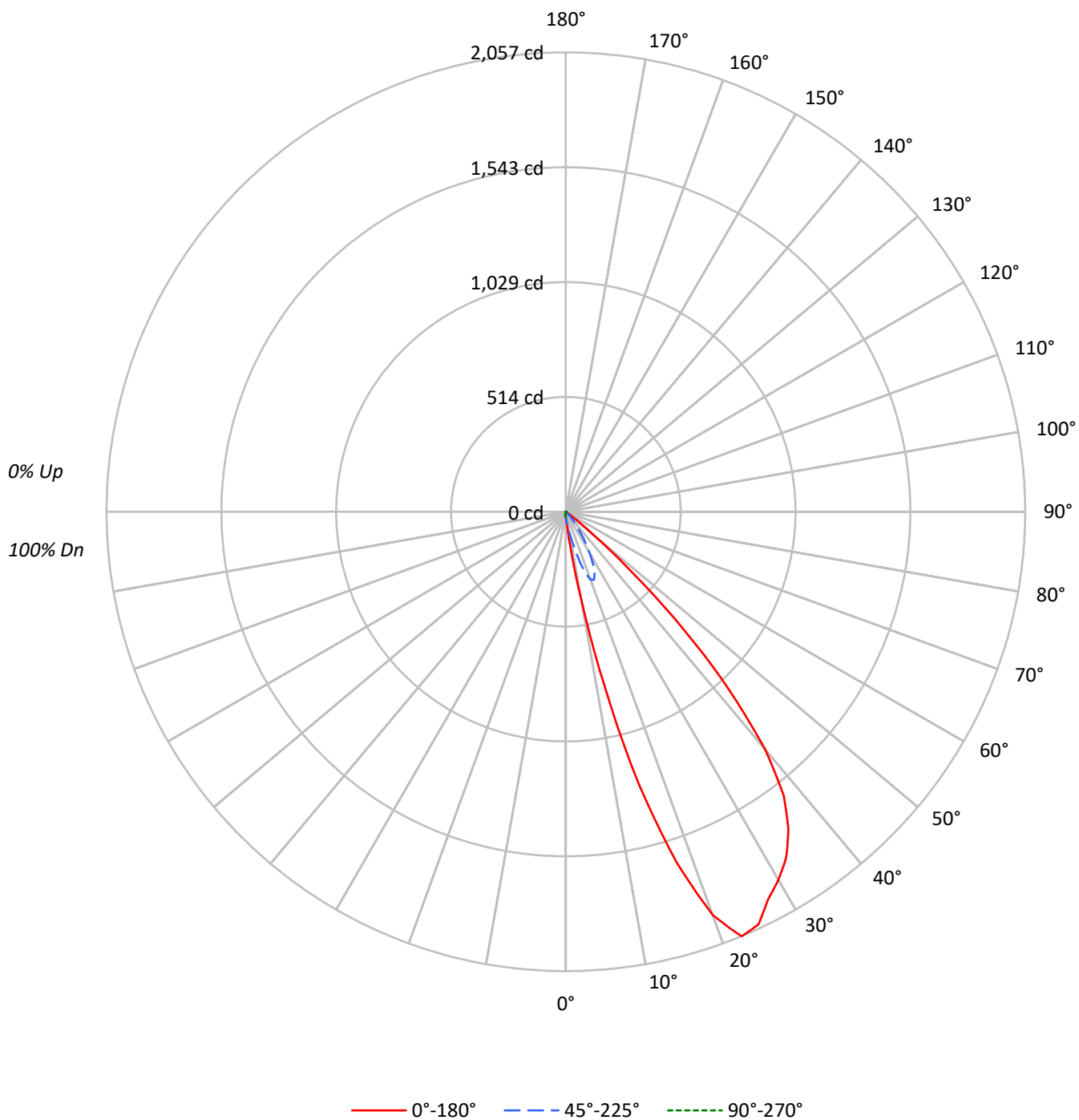
Lumens per Lamp: N/A
Luminaire Lumens: 484.9 lumens
Efficiency: N/A
Efficacy: 33.2 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1345020

CATALOG NUMBER: P3A13R309735DE010 E3A301WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1345020

CATALOG NUMBER: P3A13R309735DE010 E3A301WMH

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°	5043	5043	5043	5043	5043
5°	15210	10147	4777	2135	1761
10°	88130	21509	3741	980	690
15°	286630	48786	2611	204	91
20°	448529	75490	1657	0	0
25°	493456	73770	847	0	0
30°	481973	53198	329	0	0
35°	465169	30249	107	0	0
40°	396686	12824	0	0	0
45°	232799	4807	124	0	124
50°	56527	921	136	136	443
55°	4932	0	344	497	688
60°	175	0	395	570	965
65°	208	208	675	675	1141
70°	256	256	833	833	1154
75°	0	339	1101	1101	1101
80°	0	505	1642	1137	1137
85°	0	1006	3271	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 232799 cd/sqm

TEST NUMBER: P1345020

CATALOG NUMBER: P3A13R309735DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.9
10°-20°	66.7	13.7
20°-30°	169.4	34.9
30°-40°	168.8	34.8
40°-50°	68.4	14.1
50°-60°	4.7	1.0
60°-70°	1.1	0.2
70°-80°	1.0	0.2
80°-90°	0.6	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°	240.3	49.5
0°-40°	409.1	84.4
0°-60°	482.2	99.4
0°-90°	484.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	484.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	23	23	23	23	23	
5°	69	46	22	10	8	16
15°	1263	215	12	1	0	367
25°	2040	305	4	0	0	921
35°	1738	113	0	0	0	1065
45°	751	16	0	0	0	573
55°	13	0	1	1	2	34
65°	0	0	1	1	2	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1345020

CATALOG NUMBER: P3A13R309735DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
2.5°	38.1	38.6	38.6	37.7	37.2	37.2	35.9	35.5	34.1	32.8	28.4
5°	69.1	67.8	66.0	66.0	62.0	59.8	56.7	53.2	50.5	46.1	32.8
7.5°	156.9	146.2	143.1	139.2	124.1	112.1	98.4	86.4	75.3	66.0	36.3
10°	395.8	374.9	357.6	322.6	278.8	236.7	197.7	152.5	121.4	96.6	39.0
12.5°	797.3	769.4	736.1	672.3	590.3	485.3	392.2	292.9	205.6	142.3	39.9
15°	1262.6	1215.2	1163.3	1082.2	948.0	797.3	629.3	471.1	330.2	214.9	39.0
17.5°	1642.0	1623.4	1546.7	1435.9	1271.5	1077.4	870.4	654.1	445.4	281.4	36.3
20°	1922.1	1909.2	1816.6	1698.7	1513.5	1291.0	1028.2	768.5	525.6	323.5	32.4
22.5°	2057.2	2055.0	1988.1	1867.6	1671.2	1419.1	1129.7	834.5	550.4	329.3	27.0
25°	2039.5	2047.5	2009.4	1919.9	1731.5	1471.8	1159.8	834.5	532.3	304.9	22.6
27.5°	1958.9	1964.2	1940.2	1871.5	1696.0	1433.7	1117.7	780.9	479.5	261.9	18.6
30°	1903.5	1905.7	1876.0	1802.4	1616.3	1346.8	1018.4	681.6	399.7	210.1	13.7
32.5°	1836.1	1835.6	1801.1	1716.9	1511.7	1224.9	892.6	563.3	307.1	159.5	8.0
35°	1737.7	1726.6	1679.6	1582.6	1355.7	1061.0	731.7	429.0	221.1	113.0	4.9
37.5°	1602.5	1573.7	1507.3	1377.4	1136.8	831.8	542.5	301.4	151.1	74.9	3.1
40°	1385.8	1355.2	1264.8	1107.1	859.8	598.7	365.6	196.3	95.3	44.8	1.8
42.5°	1086.7	1065.8	944.0	786.6	567.7	382.0	219.8	116.1	53.6	25.7	0.4
45°	750.7	723.7	628.0	494.6	340.8	211.8	123.2	60.7	30.6	15.5	0.0
47.5°	414.4	381.1	325.7	256.2	171.5	111.2	62.0	32.8	17.3	7.5	0.0
50°	165.7	164.4	130.7	93.1	65.6	50.5	31.0	17.7	8.9	2.7	0.4
52.5°	58.1	58.1	50.1	40.8	31.9	23.0	15.5	8.4	3.1	0.9	0.4
55°	12.9	14.2	13.3	12.4	12.0	10.2	6.6	3.1	0.9	0.0	0.4
57.5°	1.3	1.3	1.3	1.8	2.2	2.2	1.8	0.9	0.0	0.0	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.9
62.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.9
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
75°	0.0	0.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	1.3
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1345020

CATALOG NUMBER: P3A13R309735DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	23.0	23.0	23.0	23.0	23.0
2.5°	23.0	18.2	15.1	13.3	12.9
5°	21.7	13.7	9.7	8.4	8.0
7.5°	19.5	10.2	6.6	5.3	4.9
10°	16.8	7.5	4.4	3.1	3.1
12.5°	14.2	5.8	2.7	1.3	0.9
15°	11.5	3.5	0.9	0.4	0.4
17.5°	8.9	2.2	0.0	0.0	0.0
20°	7.1	0.9	0.0	0.0	0.0
22.5°	5.3	0.4	0.0	0.0	0.0
25°	3.5	0.0	0.0	0.0	0.0
27.5°	2.2	0.0	0.0	0.0	0.0
30°	1.3	0.0	0.0	0.0	0.0
32.5°	0.4	0.0	0.0	0.0	0.0
35°	0.4	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°	0.4	0.0	0.0	0.4	0.4
47.5°	0.4	0.4	0.4	0.9	0.9
50°	0.4	0.4	0.4	0.9	1.3
52.5°	0.9	0.4	0.9	1.3	1.3
55°	0.9	0.9	1.3	1.8	1.8
57.5°	0.9	0.9	1.3	1.8	1.8
60°	0.9	0.9	1.3	1.8	2.2
62.5°	1.3	1.3	1.3	1.8	1.8
65°	1.3	1.3	1.3	1.8	2.2
67.5°	1.3	1.3	1.3	1.8	2.2
70°	1.3	1.3	1.3	1.8	1.8
72.5°	1.8	1.3	1.3	1.8	1.8
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	0.9	1.3	1.3
80°	1.3	0.9	0.9	0.9	0.9
82.5°	1.3	0.9	0.9	0.9	0.9
85°	1.3	0.9	0.4	0.4	0.4
87.5°	1.3	0.9	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)