

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: P1341046

Luminaire Tested: P3A09R259840DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341046
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: P3A09R259840DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

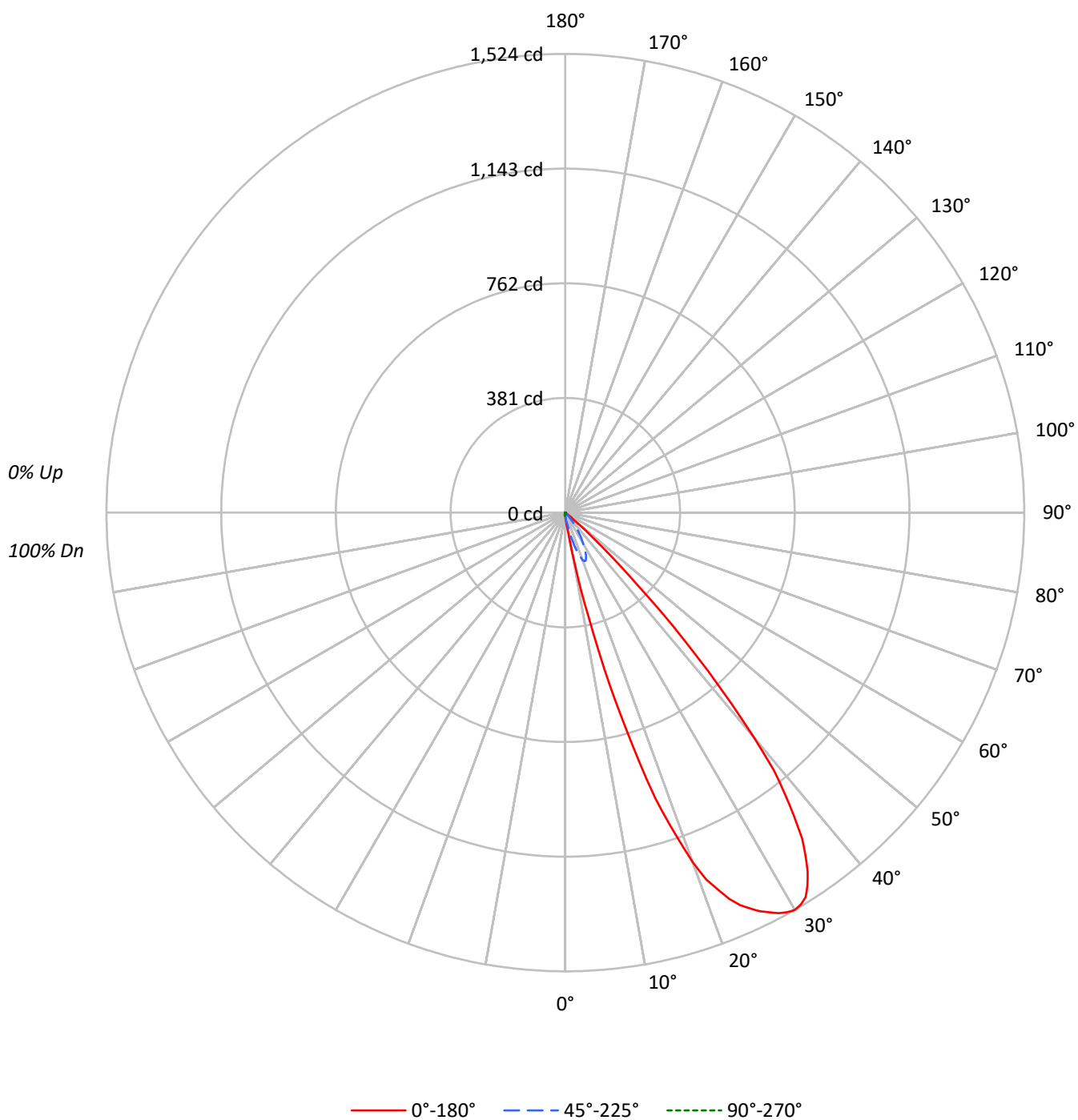
Lumens per Lamp: N/A
Luminaire Lumens: 305.1 lumens
Efficiency: N/A
Efficacy: 27.7 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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: P1341046

CATALOG NUMBER: P3A09R259840DE010 E3A301WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1341046

CATALOG NUMBER: P3A09R259840DE010 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52
8	71	60	52	48	69	59	52	47	58	52	47	57	51	47	56	50	47
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2873	2873	2873	2873	2873
5°	7198	5327	2685	1387	1057
10°	31485	9062	2227	623	445
15°	149740	24427	1544	250	204
20°	288262	39110	1003	70	70
25°	351069	39462	556	0	0
30°	385983	30182	228	0	0
35°	371958	19194	80	0	0
40°	277921	8301	0	0	86
45°	102894	2202	93	93	279
50°	12145	307	205	205	375
55°	1185	0	229	344	535
60°	132	0	395	482	614
65°	156	156	571	726	882
70°	192	192	705	705	1090
75°	254	254	763	763	932
80°	0	379	1137	758	1137
85°	0	755	2264	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 102894 cd/sqm

TEST NUMBER: P1341046

CATALOG NUMBER: P3A09R259840DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.6
10°-20°	35.6	11.7
20°-30°	111.6	36.6
30°-40°	117.5	38.5
40°-50°	34.5	11.3
50°-60°	1.9	0.6
60°-70°	0.9	0.3
70°-80°	0.8	0.3
80°-90°	0.4	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°	149.1	48.9
0°-40°	266.6	87.4
0°-60°	303.0	99.3
0°-90°	305.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	305.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	33	24	12	6	5	6
15°	660	108	7	1	1	208
25°	1451	163	2	0	0	666
35°	1390	72	0	0	0	838
45°	332	7	0	0	1	302
55°	3	0	1	1	1	8
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: P1341046

CATALOG NUMBER: P3A09R259840DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
2.5°	20.2	20.5	19.6	20.2	19.6	19.4	19.1	17.6	15.4	13.1	10.8
5°	32.7	32.7	31.3	31.0	30.4	29.3	28.2	24.2	17.4	12.2	8.5
7.5°	51.2	50.9	50.4	48.9	46.1	43.3	40.4	31.6	19.1	11.4	6.5
10°	141.4	139.4	136.9	121.5	104.2	88.8	75.4	40.7	20.5	10.0	4.8
12.5°	351.4	340.1	313.0	282.3	243.0	201.8	161.4	66.3	21.1	8.3	3.4
15°	659.6	636.0	593.9	532.4	452.2	362.0	285.1	107.6	20.5	6.8	2.6
17.5°	996.0	973.2	914.9	821.6	703.5	564.9	428.8	142.6	19.1	5.7	1.7
20°	1235.3	1211.1	1156.5	1057.5	929.7	745.0	564.6	167.6	17.9	4.3	0.9
21°	1305.3	1281.1	1223.4	1127.7	993.4	808.2	608.1	171.9	17.1	3.7	0.6
22°	1349.7	1335.5	1273.4	1180.7	1043.8	858.8	645.4	173.9	16.5	3.4	0.6
23°	1394.4	1373.0	1315.0	1217.1	1082.2	896.4	673.0	172.4	15.9	2.8	0.3
24°	1427.4	1409.5	1342.0	1245.3	1109.0	919.4	689.2	168.7	15.1	2.6	0.3
25°	1451.0	1434.5	1364.2	1264.3	1126.9	932.0	694.3	163.1	14.2	2.3	0.3
26°	1473.5	1455.6	1382.7	1275.4	1136.3	935.9	689.5	156.8	13.4	2.0	0.0
27°	1489.7	1471.5	1395.5	1282.0	1136.9	931.1	676.4	148.3	12.5	1.7	0.0
28°	1507.1	1486.0	1404.3	1285.7	1133.4	919.7	657.6	139.2	12.0	1.4	0.0
29°	1517.6	1497.7	1413.5	1289.7	1126.3	900.7	630.3	128.3	10.5	0.9	0.0
30°	1524.4	1500.8	1412.6	1285.4	1116.9	880.2	597.6	119.2	9.1	0.9	0.0
31°	1518.7	1494.0	1403.5	1273.4	1101.9	853.4	564.0	107.9	7.4	0.6	0.0
32°	1506.5	1477.2	1387.6	1252.7	1074.8	819.0	529.3	98.5	5.4	0.6	0.0
33°	1476.6	1451.9	1358.8	1224.8	1039.5	772.3	484.1	89.4	3.7	0.3	0.0
34°	1439.1	1414.3	1319.5	1187.5	992.3	712.0	429.1	80.0	3.1	0.3	0.0
35°	1389.5	1365.1	1275.2	1135.4	929.7	639.4	372.5	71.7	2.6	0.3	0.0
36°	1337.5	1305.0	1219.1	1079.9	845.7	556.9	311.9	62.3	2.0	0.3	0.0
37°	1260.9	1239.0	1143.7	995.4	755.0	477.8	267.8	53.8	1.4	0.3	0.0
38°	1181.5	1161.3	1068.3	910.3	653.7	399.5	224.2	45.5	1.1	0.0	0.0
39°	1099.6	1066.0	974.1	801.3	547.5	334.7	188.7	38.1	0.6	0.0	0.0
40°	970.9	945.3	847.2	670.4	453.0	271.2	160.8	29.0	0.6	0.0	0.0
42.5°	643.7	619.8	516.8	363.7	240.7	158.5	106.1	11.4	0.0	0.3	0.0
45°	331.8	316.7	257.3	190.4	136.6	97.3	68.3	7.1	0.0	0.3	0.3
47.5°	131.8	129.2	116.7	100.7	77.7	57.8	37.3	3.1	0.0	0.3	0.3
50°	35.6	35.9	33.6	31.0	28.2	26.5	15.7	0.9	0.0	0.6	0.3
52.5°	15.1	15.4	14.8	13.9	12.5	9.4	6.3	0.3	0.3	0.6	0.6
55°	3.1	3.4	3.7	4.0	4.6	4.0	2.6	0.0	0.3	0.6	0.6
57.5°	0.6	0.6	0.6	0.6	0.9	0.9	0.6	0.0	0.3	0.6	0.9
60°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.6	0.9	0.9
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.9	1.1
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	1.1	1.1
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9	1.1	1.1
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9	1.1	1.1
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9	1.1	0.9
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6	0.9	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6	0.9	0.6



TEST NUMBER: P1341046

CATALOG NUMBER: P3A09R259840DE010 E3A301WMH

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	0.3	0.3	0.6	0.9	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	0.6
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: P1341046

CATALOG NUMBER: P3A09R259840DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	13.1	13.1	13.1
2.5°	9.1	8.3	8.0
5°	6.3	5.4	4.8
7.5°	4.3	3.4	3.1
10°	2.8	2.3	2.0
12.5°	2.0	1.1	1.1
15°	1.1	0.9	0.9
17.5°	0.6	0.3	0.3
20°	0.3	0.3	0.3
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	0.3
39°	0.0	0.3	0.3
40°	0.0	0.3	0.3
42.5°	0.0	0.3	0.6
45°	0.3	0.6	0.9
47.5°	0.6	0.9	1.1
50°	0.6	1.1	1.1
52.5°	0.9	1.1	1.4
55°	0.9	1.4	1.4
57.5°	1.1	1.4	1.7
60°	1.1	1.4	1.4
62.5°	1.1	1.7	1.7
65°	1.4	1.7	1.7
67.5°	1.4	1.7	1.7
70°	1.1	1.4	1.7
72.5°	1.1	1.4	1.4
75°	0.9	1.1	1.1
77.5°	0.9	0.9	1.1
80°	0.6	0.9	0.9

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.6	0.6	0.6
85°	0.3	0.3	0.3
87.5°	0.3	0.3	0.3
90°	0.0	0.0	0.0

(END OF REPORT)