

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: P1341030

Luminaire Tested: P3A09R259835DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341030
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: P3A09R259835DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

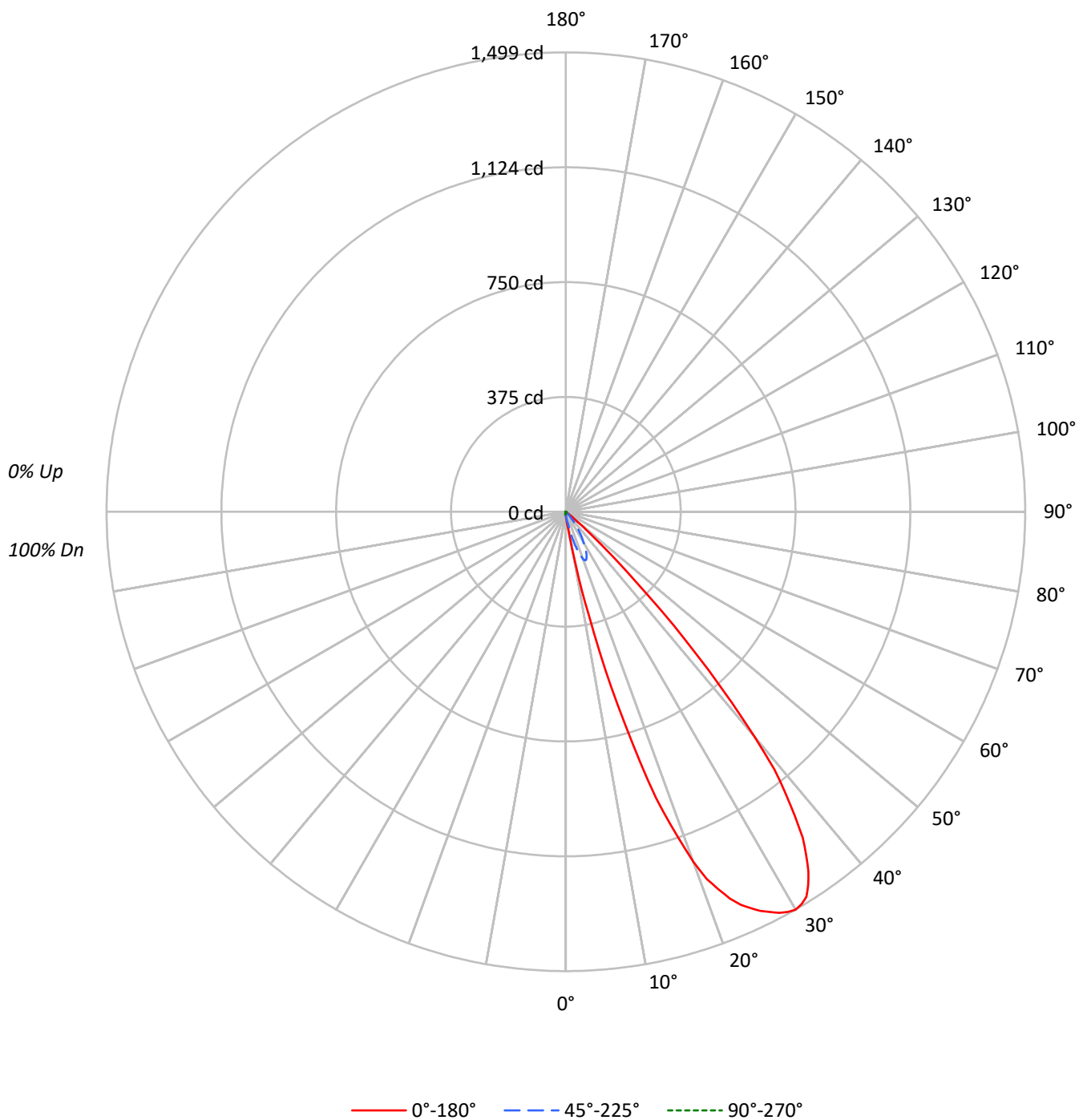
Lumens per Lamp: N/A
Luminaire Lumens: 300.0 lumens
Efficiency: N/A
Efficacy: 27.3 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	103	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°	2829	2829	2829	2829	2829
5°	7088	5239	2641	1365	1057
10°	30972	8907	2182	623	445
15°	147288	24018	1521	250	182
20°	283548	38480	980	70	70
25°	345310	38809	532	0	0
30°	379653	29701	203	0	0
35°	365882	18872	80	0	0
40°	273369	8187	0	0	86
45°	101220	2171	93	93	248
50°	11940	273	205	205	375
55°	1185	0	229	306	535
60°	132	0	351	482	614
65°	156	156	571	726	882
70°	192	192	705	705	1090
75°	254	254	678	678	932
80°	0	379	1010	758	1010
85°	0	755	2013	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 101220 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.6
10°-20°	35.0	11.7
20°-30°	109.8	36.6
30°-40°	115.6	38.5
40°-50°	34.0	11.3
50°-60°	1.8	0.6
60°-70°	0.9	0.3
70°-80°	0.7	0.2
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°	146.6	48.9
0°-40°	262.2	87.4
0°-60°	298.0	99.3
0°-90°	300.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	300.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	32	24	12	6	5	6
15°	649	106	7	1	1	205
25°	1427	160	2	0	0	655
35°	1367	70	0	0	0	825
45°	326	7	0	0	1	297
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
2.5°	19.9	20.2	19.3	19.9	19.3	19.0	18.8	17.4	15.1	12.9	10.6
5°	32.2	32.2	30.8	30.5	29.9	28.8	27.7	23.8	17.1	12.0	8.4
7.5°	50.4	50.1	49.5	48.1	45.3	42.5	39.7	31.1	18.8	11.2	6.4
10°	139.1	137.2	134.6	119.5	102.4	87.3	74.2	40.0	20.2	9.8	4.8
12.5°	345.7	334.5	307.9	277.7	239.0	198.5	158.7	65.2	20.7	8.1	3.4
15°	648.8	625.6	584.2	523.7	444.8	356.0	280.5	105.8	20.2	6.7	2.5
17.5°	979.7	957.3	899.9	808.1	691.9	555.6	421.8	140.2	18.8	5.6	1.7
20°	1215.1	1191.3	1137.5	1040.1	914.4	732.8	555.3	164.9	17.6	4.2	0.8
21°	1283.9	1260.1	1203.3	1109.3	977.1	794.9	598.2	169.1	16.8	3.6	0.6
22°	1327.6	1313.6	1252.6	1161.3	1026.7	844.7	634.8	171.0	16.2	3.4	0.6
23°	1371.5	1350.5	1293.4	1197.1	1064.5	881.7	662.0	169.6	15.7	2.8	0.3
24°	1404.0	1386.4	1320.0	1224.9	1090.8	904.4	677.9	166.0	14.8	2.5	0.3
25°	1427.2	1411.0	1341.9	1243.6	1108.4	916.7	683.0	160.4	14.0	2.2	0.3
26°	1449.3	1431.7	1360.1	1254.5	1117.7	920.6	678.2	154.2	13.2	2.0	0.0
27°	1465.3	1447.4	1372.6	1261.0	1118.2	915.8	665.3	145.8	12.3	1.7	0.0
28°	1482.4	1461.7	1381.3	1264.6	1114.9	904.6	646.9	136.9	11.8	1.4	0.0
29°	1492.7	1473.1	1390.3	1268.5	1107.9	885.9	620.0	126.2	10.4	0.8	0.0
30°	1499.4	1476.2	1389.4	1264.3	1098.6	865.7	587.8	117.3	9.0	0.8	0.0
31°	1493.8	1469.5	1380.5	1252.6	1083.8	839.4	554.8	106.1	7.3	0.6	0.0
32°	1481.8	1453.0	1364.8	1232.1	1057.2	805.6	520.6	96.8	5.3	0.6	0.0
33°	1452.4	1428.1	1336.5	1204.7	1022.5	759.7	476.1	87.9	3.6	0.3	0.0
34°	1415.5	1391.1	1297.9	1168.0	976.0	700.3	422.1	78.7	3.1	0.3	0.0
35°	1366.8	1342.7	1254.2	1116.8	914.4	628.9	366.4	70.5	2.5	0.3	0.0
36°	1315.5	1283.6	1199.1	1062.2	831.9	547.8	306.8	61.3	2.0	0.3	0.0
37°	1240.3	1218.7	1124.9	979.1	742.6	470.0	263.4	52.9	1.4	0.3	0.0
38°	1162.2	1142.3	1050.8	895.4	642.9	393.0	220.6	44.8	1.1	0.0	0.0
39°	1081.5	1048.5	958.1	788.2	538.5	329.2	185.6	37.5	0.6	0.0	0.0
40°	955.0	929.8	833.3	659.5	445.6	266.7	158.1	28.6	0.6	0.0	0.0
42.5°	633.1	609.6	508.3	357.7	236.8	155.9	104.4	11.2	0.0	0.3	0.0
45°	326.4	311.5	253.0	187.3	134.4	95.7	67.2	7.0	0.0	0.3	0.3
47.5°	129.6	127.1	114.8	99.1	76.4	56.8	36.7	3.1	0.0	0.3	0.3
50°	35.0	35.3	33.0	30.5	27.7	26.0	15.4	0.8	0.0	0.6	0.3
52.5°	14.8	15.1	14.6	13.7	12.3	9.2	6.2	0.3	0.3	0.6	0.6
55°	3.1	3.4	3.6	3.9	4.5	3.9	2.5	0.0	0.3	0.6	0.6
57.5°	0.6	0.6	0.6	0.6	0.8	0.8	0.6	0.0	0.3	0.6	0.8
60°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.6	0.8	0.8
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.8	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	0.8	1.1	1.1
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.1	1.1
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.1	0.8
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6	0.8	0.6



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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	0.3	0.3	0.6	0.8	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	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

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	12.9	12.9	12.9
2.5°	9.0	8.1	7.8
5°	6.2	5.3	4.8
7.5°	4.2	3.4	3.1
10°	2.8	2.2	2.0
12.5°	2.0	1.1	1.1
15°	1.1	0.8	0.8
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	0.8
47.5°	0.6	0.8	1.1
50°	0.6	1.1	1.1
52.5°	0.8	1.1	1.4
55°	0.8	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°	0.8	1.1	1.1
77.5°	0.8	0.8	1.1
80°	0.6	0.8	0.8

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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)