

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: P1337301

Luminaire Tested: P3A05R259027DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337301
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: P3A05R259027DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

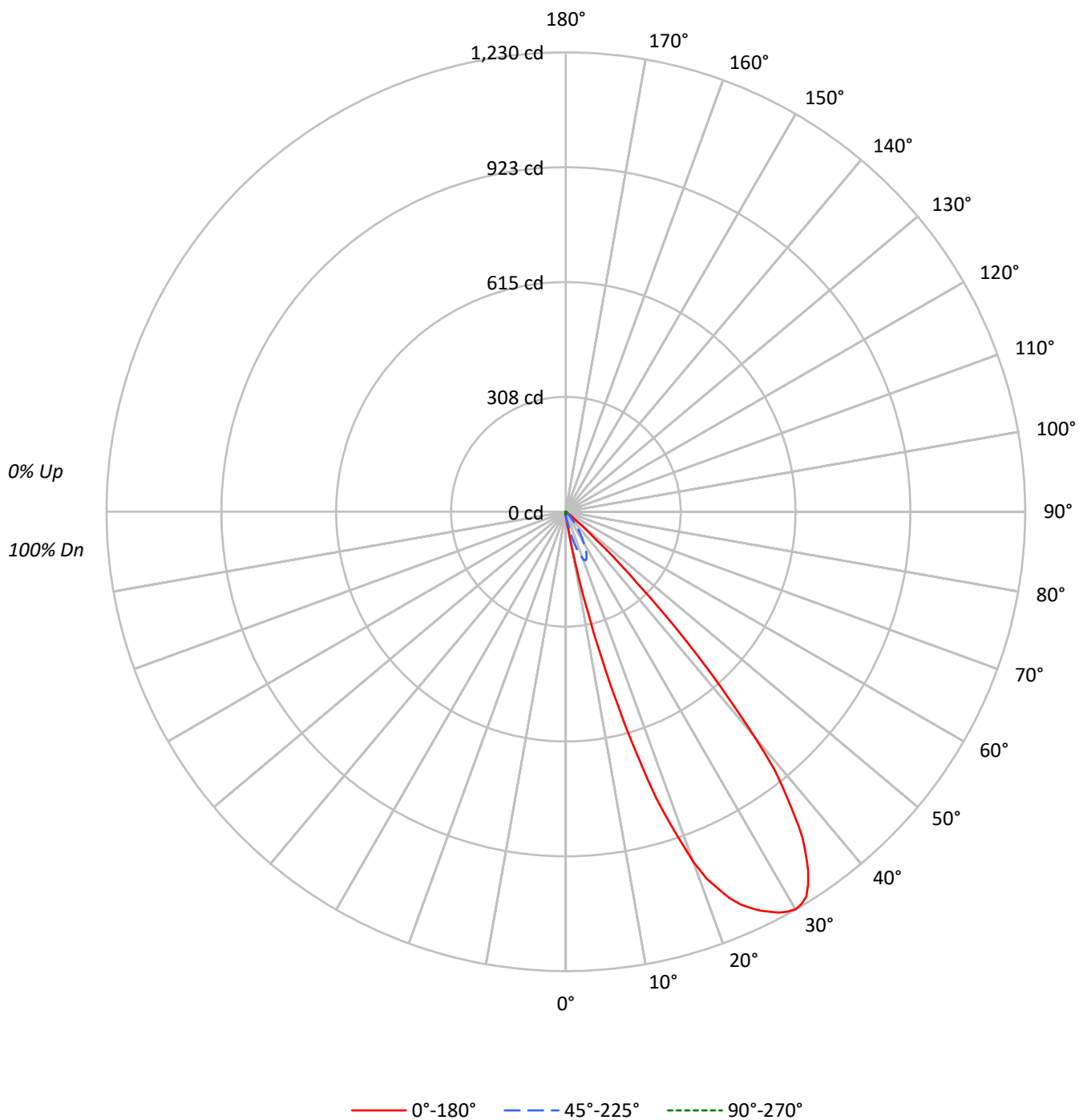
Lumens per Lamp: N/A
Luminaire Lumens: 246.0 lumens
Efficiency: N/A
Efficacy: 34.2 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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°	2324	2324	2324	2324	2324
5°	5811	4292	2179	1101	858
10°	25406	7303	1781	512	356
15°	120773	19705	1249	204	159
20°	232514	31549	793	47	47
25°	283153	31816	436	0	0
30°	311314	24358	177	0	0
35°	300030	15473	54	0	0
40°	224163	6698	0	0	57
45°	82985	1768	62	62	217
50°	9791	239	171	171	307
55°	956	0	191	268	421
60°	88	0	307	395	482
65°	104	104	467	571	726
70°	128	128	577	577	898
75°	169	169	593	593	763
80°	0	253	884	631	884
85°	0	503	1761	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 82985 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.6
10°-20°	28.7	11.7
20°-30°	90.0	36.6
30°-40°	94.8	38.5
40°-50°	27.8	11.3
50°-60°	1.5	0.6
60°-70°	0.7	0.3
70°-80°	0.6	0.3
80°-90°	0.3	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°	120.2	48.9
0°-40°	215.0	87.4
0°-60°	244.3	99.3
0°-90°	246.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	246.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	26	20	10	5	4	5
15°	532	87	6	1	1	168
25°	1170	132	2	0	0	537
35°	1121	58	0	0	0	676
45°	268	6	0	0	1	243
55°	2	0	0	1	1	6
65°	0	0	1	1	1	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°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
2.5°	16.3	16.5	15.8	16.3	15.8	15.6	15.4	14.2	12.4	10.6	8.7
5°	26.4	26.4	25.2	25.0	24.6	23.6	22.7	19.5	14.0	9.9	6.9
7.5°	41.3	41.1	40.6	39.5	37.2	34.9	32.6	25.5	15.4	9.2	5.3
10°	114.1	112.5	110.4	98.0	84.0	71.6	60.8	32.8	16.5	8.0	3.9
12.5°	283.5	274.3	252.5	227.7	196.0	162.7	130.1	53.5	17.0	6.7	2.8
15°	532.0	513.0	479.0	429.4	364.7	292.0	230.0	86.8	16.5	5.5	2.1
17.5°	803.3	785.0	737.9	662.6	567.4	455.6	345.9	115.0	15.4	4.6	1.4
20°	996.4	976.8	932.8	852.9	749.8	600.9	455.4	135.2	14.5	3.4	0.7
21°	1052.8	1033.3	986.7	909.6	801.3	651.8	490.5	138.6	13.8	3.0	0.5
22°	1088.6	1077.1	1027.1	952.3	841.9	692.7	520.6	140.2	13.3	2.8	0.5
23°	1124.7	1107.4	1060.6	981.7	872.9	723.0	542.8	139.1	12.9	2.3	0.2
24°	1151.3	1136.8	1082.4	1004.4	894.4	741.6	555.9	136.1	12.2	2.1	0.2
25°	1170.3	1157.0	1100.3	1019.8	908.9	751.7	560.0	131.5	11.5	1.8	0.2
26°	1188.5	1174.0	1115.2	1028.7	916.5	754.9	556.1	126.5	10.8	1.6	0.0
27°	1201.5	1186.9	1125.6	1034.0	916.9	751.0	545.6	119.6	10.1	1.4	0.0
28°	1215.5	1198.6	1132.7	1037.0	914.2	741.8	530.4	112.2	9.6	1.1	0.0
29°	1224.0	1208.0	1140.0	1040.2	908.4	726.4	508.4	103.5	8.5	0.7	0.0
30°	1229.5	1210.5	1139.3	1036.7	900.9	709.9	482.0	96.2	7.3	0.7	0.0
31°	1225.0	1205.0	1132.0	1027.1	888.7	688.3	454.9	87.0	6.0	0.5	0.0
32°	1215.1	1191.4	1119.1	1010.4	866.9	660.6	426.9	79.4	4.4	0.5	0.0
33°	1191.0	1171.0	1096.0	987.9	838.4	622.9	390.4	72.1	3.0	0.2	0.0
34°	1160.7	1140.7	1064.3	957.8	800.3	574.3	346.1	64.5	2.5	0.2	0.0
35°	1120.8	1101.0	1028.5	915.8	749.8	515.7	300.4	57.8	2.1	0.2	0.0
36°	1078.7	1052.6	983.3	871.0	682.1	449.2	251.6	50.3	1.6	0.2	0.0
37°	1017.0	999.3	922.4	802.9	608.9	385.4	216.0	43.4	1.1	0.2	0.0
38°	953.0	936.7	861.6	734.2	527.2	322.2	180.9	36.7	0.9	0.0	0.0
39°	886.9	859.8	785.7	646.3	441.6	269.9	152.2	30.8	0.5	0.0	0.0
40°	783.1	762.5	683.3	540.8	365.4	218.7	129.7	23.4	0.5	0.0	0.0
42.5°	519.2	499.9	416.8	293.3	194.2	127.8	85.6	9.2	0.0	0.2	0.0
45°	267.6	255.5	207.5	153.5	110.2	78.5	55.1	5.7	0.0	0.2	0.2
47.5°	106.3	104.2	94.1	81.3	62.7	46.6	30.1	2.5	0.0	0.2	0.2
50°	28.7	28.9	27.1	25.0	22.7	21.3	12.6	0.7	0.0	0.5	0.2
52.5°	12.2	12.4	11.9	11.2	10.1	7.6	5.0	0.2	0.2	0.5	0.5
55°	2.5	2.8	3.0	3.2	3.7	3.2	2.1	0.0	0.2	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.5	0.0	0.2	0.5	0.7
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.5	0.7	0.7
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.9
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.9	0.9
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.9
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.9
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.7
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5	0.7	0.5



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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	0.2	0.2	0.5	0.7	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.5
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°	10.6	10.6	10.6
2.5°	7.3	6.7	6.4
5°	5.0	4.4	3.9
7.5°	3.4	2.8	2.5
10°	2.3	1.8	1.6
12.5°	1.6	0.9	0.9
15°	0.9	0.7	0.7
17.5°	0.5	0.2	0.2
20°	0.2	0.2	0.2
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	0.2
39°	0.0	0.2	0.2
40°	0.0	0.2	0.2
42.5°	0.0	0.2	0.5
45°	0.2	0.5	0.7
47.5°	0.5	0.7	0.9
50°	0.5	0.9	0.9
52.5°	0.7	0.9	1.1
55°	0.7	1.1	1.1
57.5°	0.9	1.1	1.4
60°	0.9	1.1	1.1
62.5°	0.9	1.4	1.4
65°	1.1	1.4	1.4
67.5°	1.1	1.4	1.4
70°	0.9	1.1	1.4
72.5°	0.9	1.1	1.1
75°	0.7	0.9	0.9
77.5°	0.7	0.7	0.9
80°	0.5	0.7	0.7

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.5	0.5	0.5
85°	0.2	0.2	0.2
87.5°	0.2	0.2	0.2
90°	0.0	0.0	0.0

(END OF REPORT)