

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: P1337420

Luminaire Tested: P3A05R259735DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337420
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: P3A05R259735DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

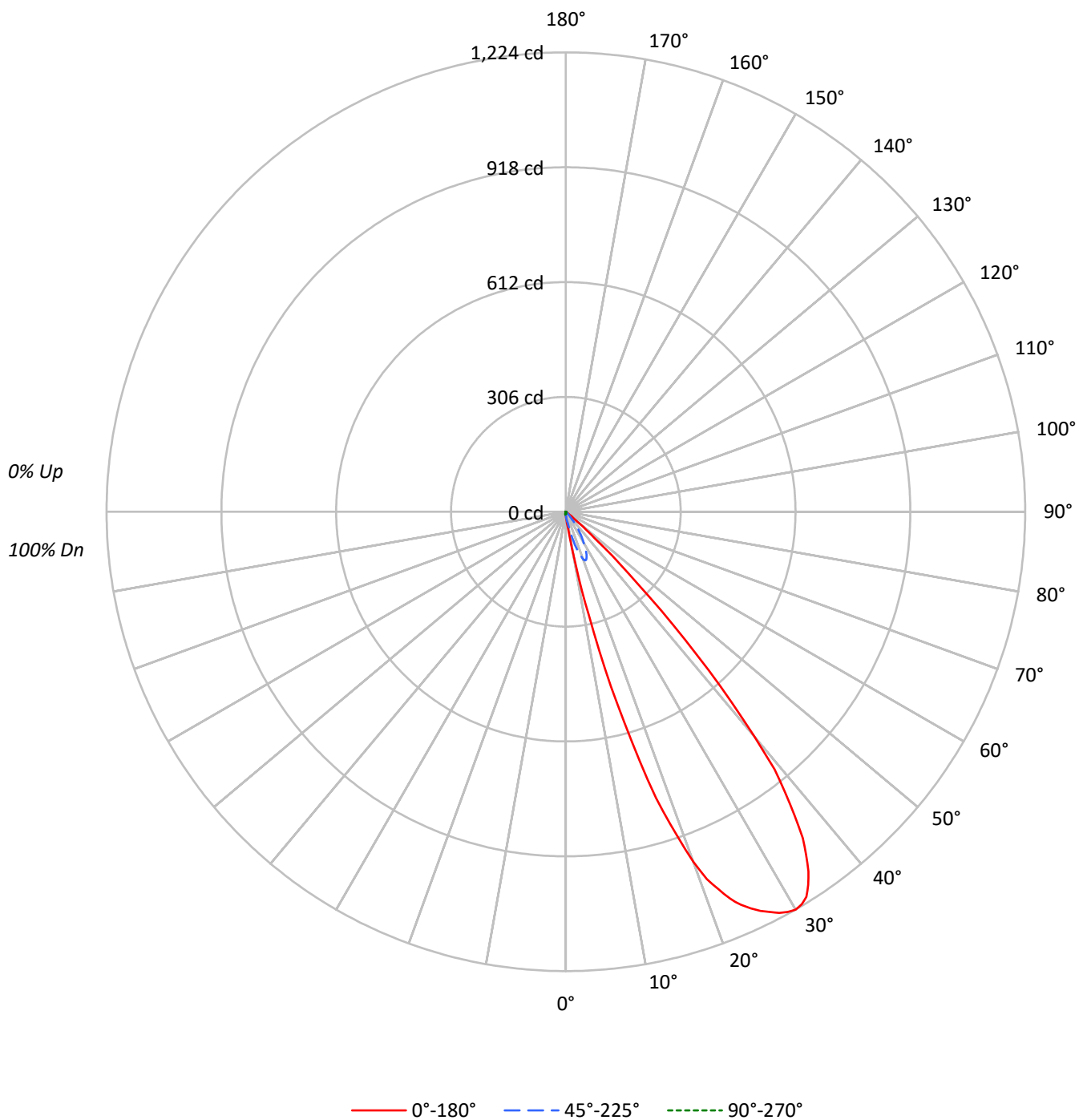
Lumens per Lamp: N/A
Luminaire Lumens: 245.0 lumens
Efficiency: N/A
Efficacy: 34.0 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2302	2302	2302	2302	2302
5°	5789	4270	2157	1101	858
10°	25295	7281	1781	512	356
15°	120296	19614	1249	204	159
20°	231557	31409	793	47	47
25°	282016	31695	436	0	0
30°	310048	24257	177	0	0
35°	298798	15419	54	0	0
40°	223247	6670	0	0	57
45°	82644	1768	62	62	217
50°	9757	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: 82644 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.6
10°-20°	28.6	11.7
20°-30°	89.7	36.6
30°-40°	94.4	38.5
40°-50°	27.7	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°	119.7	48.9
0°-40°	214.1	87.4
0°-60°	243.3	99.3
0°-90°	245.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	245.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	26	19	10	5	4	5
15°	530	86	6	1	1	167
25°	1166	131	2	0	0	535
35°	1116	58	0	0	0	674
45°	266	6	0	0	1	242
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°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
2.5°	16.2	16.5	15.8	16.2	15.8	15.5	15.3	14.2	12.3	10.5	8.7
5°	26.3	26.3	25.1	24.9	24.5	23.5	22.6	19.4	13.9	9.8	6.9
7.5°	41.1	40.9	40.5	39.3	37.0	34.7	32.5	25.4	15.3	9.1	5.3
10°	113.6	112.0	110.0	97.6	83.7	71.3	60.6	32.7	16.5	8.0	3.9
12.5°	282.3	273.2	251.4	226.8	195.2	162.1	129.6	53.3	16.9	6.6	2.7
15°	529.9	510.9	477.1	427.7	363.2	290.8	229.0	86.4	16.5	5.5	2.1
17.5°	800.1	781.8	734.9	659.9	565.1	453.7	344.5	114.5	15.3	4.6	1.4
20°	992.3	972.9	929.0	849.4	746.8	598.4	453.5	134.6	14.4	3.4	0.7
21°	1048.5	1029.1	982.7	905.9	798.0	649.2	488.5	138.1	13.7	3.0	0.5
22°	1084.2	1072.8	1022.9	948.4	838.5	689.9	518.4	139.7	13.3	2.7	0.5
23°	1120.1	1102.9	1056.3	977.7	869.3	720.1	540.6	138.5	12.8	2.3	0.2
24°	1146.6	1132.2	1078.0	1000.3	890.8	738.6	553.6	135.6	12.1	2.1	0.2
25°	1165.6	1152.3	1095.9	1015.6	905.2	748.6	557.8	131.0	11.4	1.8	0.2
26°	1183.6	1169.2	1110.7	1024.5	912.8	751.8	553.9	126.0	10.7	1.6	0.0
27°	1196.7	1182.0	1121.0	1029.8	913.2	747.9	543.4	119.1	10.1	1.4	0.0
28°	1210.6	1193.7	1128.1	1032.8	910.5	738.8	528.3	111.8	9.6	1.1	0.0
29°	1219.1	1203.1	1135.4	1036.0	904.8	723.5	506.3	103.1	8.5	0.7	0.0
30°	1224.5	1205.6	1134.7	1032.5	897.2	707.0	480.0	95.8	7.3	0.7	0.0
31°	1220.0	1200.1	1127.4	1022.9	885.1	685.5	453.1	86.6	5.9	0.5	0.0
32°	1210.1	1186.6	1114.6	1006.2	863.4	657.9	425.2	79.1	4.3	0.5	0.0
33°	1186.1	1166.3	1091.5	983.8	835.0	620.4	388.8	71.8	3.0	0.2	0.0
34°	1156.0	1136.1	1060.0	953.9	797.1	571.9	344.7	64.2	2.5	0.2	0.0
35°	1116.2	1096.5	1024.3	912.1	746.8	513.6	299.2	57.6	2.1	0.2	0.0
36°	1074.4	1048.3	979.3	867.5	679.4	447.3	250.5	50.1	1.6	0.2	0.0
37°	1012.9	995.3	918.7	799.6	606.4	383.8	215.1	43.2	1.1	0.2	0.0
38°	949.1	932.9	858.1	731.3	525.1	320.9	180.1	36.6	0.9	0.0	0.0
39°	883.3	856.3	782.5	643.7	439.8	268.8	151.6	30.6	0.5	0.0	0.0
40°	779.9	759.4	680.5	538.6	363.9	217.8	129.2	23.3	0.5	0.0	0.0
42.5°	517.1	497.9	415.1	292.1	193.4	127.3	85.3	9.1	0.0	0.2	0.0
45°	266.5	254.4	206.6	152.9	109.7	78.2	54.9	5.7	0.0	0.2	0.2
47.5°	105.8	103.8	93.7	80.9	62.4	46.4	29.9	2.5	0.0	0.2	0.2
50°	28.6	28.8	27.0	24.9	22.6	21.3	12.6	0.7	0.0	0.5	0.2
52.5°	12.1	12.3	11.9	11.2	10.1	7.5	5.0	0.2	0.2	0.5	0.5
55°	2.5	2.7	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°	10.5	10.5	10.5
2.5°	7.3	6.6	6.4
5°	5.0	4.3	3.9
7.5°	3.4	2.7	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)