

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: P1337331

Luminaire Tested: P3A05R259030DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337331
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: P3A05R259030DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

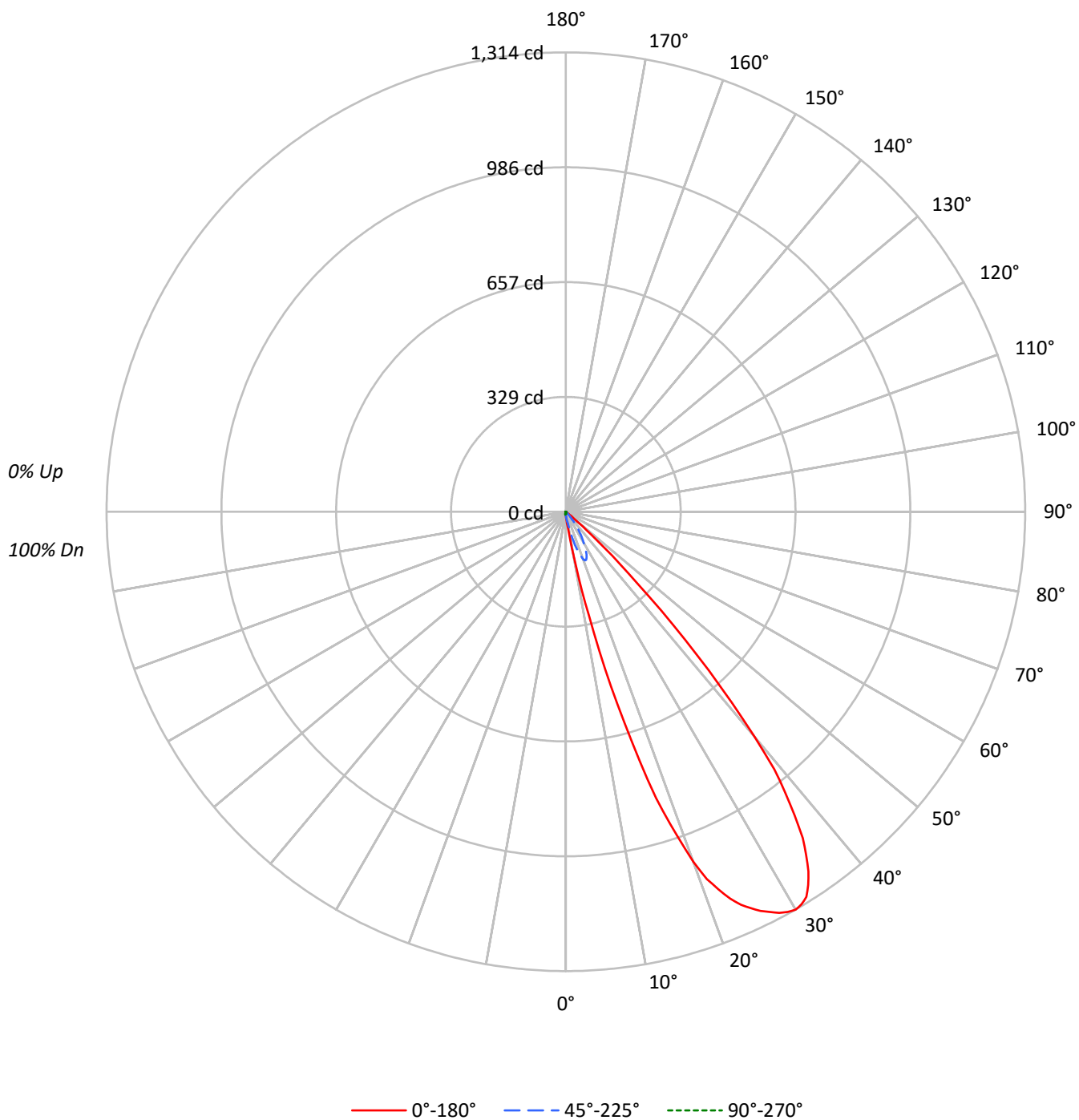
Lumens per Lamp: N/A
Luminaire Lumens: 262.9 lumens
Efficiency: N/A
Efficacy: 36.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	61	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°	2478	2478	2478	2478	2478
5°	6207	4600	2333	1189	924
10°	27165	7815	1915	557	379
15°	129127	21067	1339	227	159
20°	248568	33720	863	47	47
25°	302727	34018	484	0	0
30°	332836	26029	177	0	0
35°	320749	16543	54	0	0
40°	239649	7156	0	0	57
45°	88722	1892	62	62	217
50°	10473	239	171	171	341
55°	1032	0	191	268	459
60°	88	0	307	439	526
65°	104	104	519	623	778
70°	128	128	641	641	962
75°	169	169	593	593	847
80°	0	253	884	631	884
85°	0	503	1761	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 88722 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.6
10°-20°	30.7	11.7
20°-30°	96.2	36.6
30°-40°	101.3	38.5
40°-50°	29.8	11.3
50°-60°	1.6	0.6
60°-70°	0.8	0.3
70°-80°	0.6	0.2
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°	128.5	48.9
0°-40°	229.9	87.4
0°-60°	261.2	99.3
0°-90°	262.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	262.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	28	21	11	5	4	5
15°	569	93	6	1	1	179
25°	1251	141	2	0	0	574
35°	1198	62	0	0	0	723
45°	286	6	0	0	1	260
55°	3	0	0	1	1	7
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°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
2.5°	17.4	17.7	16.9	17.4	16.9	16.7	16.4	15.2	13.3	11.3	9.3
5°	28.2	28.2	27.0	26.7	26.3	25.3	24.3	20.9	15.0	10.6	7.4
7.5°	44.2	43.9	43.4	42.2	39.8	37.3	34.8	27.2	16.4	9.8	5.6
10°	122.0	120.2	118.0	104.8	89.8	76.6	65.0	35.1	17.7	8.6	4.2
12.5°	303.0	293.2	269.9	243.4	209.6	174.0	139.1	57.2	18.2	7.1	2.9
15°	568.8	548.4	512.1	459.1	389.9	312.1	245.9	92.8	17.7	5.9	2.2
17.5°	858.8	839.2	788.9	708.4	606.6	487.1	369.8	122.9	16.4	4.9	1.5
20°	1065.2	1044.3	997.2	911.8	801.7	642.4	486.8	144.5	15.5	3.7	0.7
21°	1125.6	1104.7	1054.9	972.5	856.6	696.9	524.4	148.2	14.7	3.2	0.5
22°	1163.8	1151.6	1098.1	1018.1	900.1	740.6	556.5	149.9	14.2	2.9	0.5
23°	1202.4	1184.0	1133.9	1049.5	933.2	773.0	580.3	148.7	13.7	2.5	0.2
24°	1230.8	1215.4	1157.2	1073.8	956.3	792.8	594.3	145.5	13.0	2.2	0.2
25°	1251.2	1237.0	1176.4	1090.2	971.7	803.6	598.7	140.6	12.3	2.0	0.2
26°	1270.6	1255.1	1192.3	1099.8	979.8	807.1	594.6	135.2	11.5	1.7	0.0
27°	1284.6	1268.9	1203.4	1105.4	980.3	802.9	583.3	127.8	10.8	1.5	0.0
28°	1299.5	1281.4	1211.0	1108.6	977.4	793.1	567.1	120.0	10.3	1.2	0.0
29°	1308.6	1291.4	1218.8	1112.1	971.2	776.6	543.5	110.7	9.1	0.7	0.0
30°	1314.5	1294.1	1218.1	1108.4	963.1	759.0	515.3	102.8	7.9	0.7	0.0
31°	1309.6	1288.3	1210.2	1098.1	950.1	735.9	486.3	93.0	6.4	0.5	0.0
32°	1299.1	1273.8	1196.5	1080.2	926.8	706.2	456.4	84.9	4.7	0.5	0.0
33°	1273.3	1251.9	1171.7	1056.1	896.4	666.0	417.4	77.1	3.2	0.2	0.0
34°	1240.9	1219.6	1137.8	1024.0	855.6	613.9	370.0	69.0	2.7	0.2	0.0
35°	1198.2	1177.1	1099.6	979.1	801.7	551.4	321.2	61.8	2.2	0.2	0.0
36°	1153.3	1125.3	1051.2	931.2	729.3	480.2	268.9	53.7	1.7	0.2	0.0
37°	1087.3	1068.4	986.2	858.3	651.0	412.0	230.9	46.4	1.2	0.2	0.0
38°	1018.8	1001.4	921.2	785.0	563.6	344.5	193.4	39.3	1.0	0.0	0.0
39°	948.2	919.2	839.9	691.0	472.1	288.6	162.7	32.9	0.5	0.0	0.0
40°	837.2	815.2	730.5	578.1	390.6	233.8	138.6	25.0	0.5	0.0	0.0
42.5°	555.1	534.4	445.6	313.6	207.6	136.7	91.5	9.8	0.0	0.2	0.0
45°	286.1	273.1	221.8	164.2	117.8	83.9	58.9	6.1	0.0	0.2	0.2
47.5°	113.6	111.4	100.6	86.9	67.0	49.8	32.1	2.7	0.0	0.2	0.2
50°	30.7	30.9	29.0	26.7	24.3	22.8	13.5	0.7	0.0	0.5	0.2
52.5°	13.0	13.3	12.8	12.0	10.8	8.1	5.4	0.2	0.2	0.5	0.5
55°	2.7	2.9	3.2	3.4	3.9	3.4	2.2	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	1.0
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	1.0	1.0
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.0	1.0
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.0	1.0
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.0	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°	11.3	11.3	11.3
2.5°	7.9	7.1	6.9
5°	5.4	4.7	4.2
7.5°	3.7	2.9	2.7
10°	2.5	2.0	1.7
12.5°	1.7	1.0	1.0
15°	1.0	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	1.0
50°	0.5	1.0	1.0
52.5°	0.7	1.0	1.2
55°	0.7	1.2	1.2
57.5°	1.0	1.2	1.5
60°	1.0	1.2	1.2
62.5°	1.0	1.5	1.5
65°	1.2	1.5	1.5
67.5°	1.2	1.5	1.5
70°	1.0	1.2	1.5
72.5°	1.0	1.2	1.2
75°	0.7	1.0	1.0
77.5°	0.7	0.7	1.0
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)