

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: P1337404

Luminaire Tested: P3A05R259730DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337404
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: P3A05R259730DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

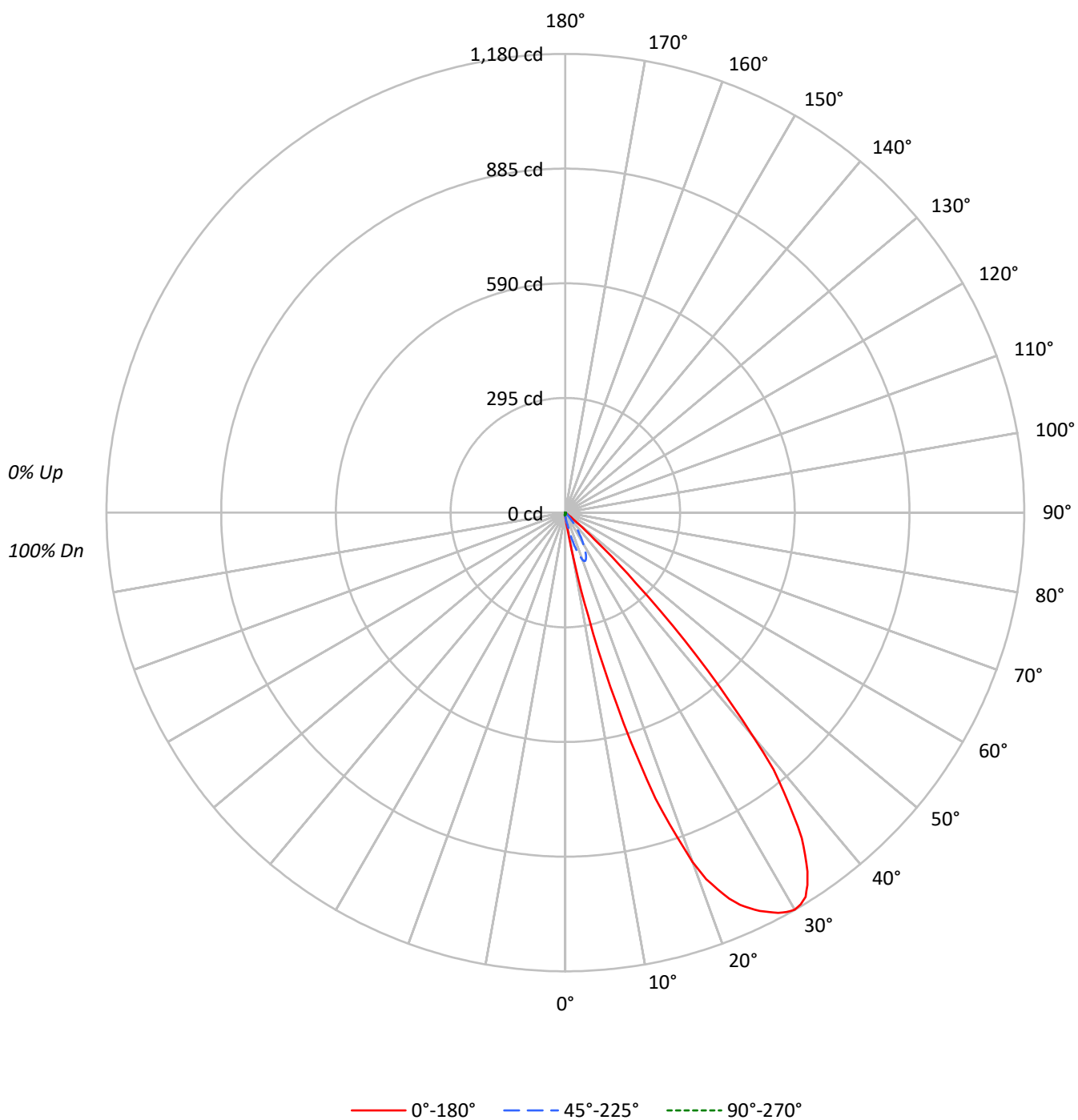
Lumens per Lamp: N/A
Luminaire Lumens: 236.0 lumens
Efficiency: N/A
Efficacy: 32.8 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	104	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°	2215	2215	2215	2215	2215
5°	5569	4116	2091	1057	814
10°	24359	7014	1715	490	334
15°	115869	18888	1203	204	159
20°	223039	30266	770	47	47
25°	271661	30534	436	0	0
30°	298679	23371	177	0	0
35°	287823	14857	54	0	0
40°	215060	6441	0	0	57
45°	79605	1706	62	62	217
50°	9381	239	136	136	307
55°	918	0	153	268	421
60°	88	0	307	395	482
65°	104	104	467	571	675
70°	128	128	577	577	833
75°	169	169	593	593	763
80°	0	253	884	505	884
85°	0	503	1761	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 79605 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.6
10°-20°	27.5	11.7
20°-30°	86.4	36.6
30°-40°	90.9	38.5
40°-50°	26.7	11.3
50°-60°	1.4	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°	115.3	48.9
0°-40°	206.3	87.4
0°-60°	234.4	99.3
0°-90°	236.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	236.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	25	19	10	5	4	5
15°	510	83	5	1	1	161
25°	1123	126	2	0	0	515
35°	1075	56	0	0	0	649
45°	257	6	0	0	1	233
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°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
2.5°	15.6	15.9	15.2	15.6	15.2	15.0	14.8	13.7	11.9	10.1	8.4
5°	25.3	25.3	24.2	24.0	23.6	22.7	21.8	18.7	13.4	9.5	6.6
7.5°	39.6	39.4	39.0	37.9	35.7	33.5	31.3	24.4	14.8	8.8	5.1
10°	109.4	107.9	105.9	94.0	80.6	68.7	58.4	31.5	15.9	7.7	3.7
12.5°	271.9	263.1	242.2	218.4	188.0	156.1	124.8	51.3	16.3	6.4	2.6
15°	510.4	492.1	459.5	412.0	349.9	280.1	220.6	83.2	15.9	5.3	2.0
17.5°	770.7	753.1	707.9	635.7	544.3	437.1	331.8	110.3	14.8	4.4	1.3
20°	955.8	937.1	894.9	818.2	719.4	576.5	436.9	129.7	13.9	3.3	0.7
21°	1010.0	991.3	946.6	872.6	768.7	625.3	470.5	133.0	13.2	2.9	0.4
22°	1044.4	1033.4	985.4	913.6	807.7	664.5	499.4	134.5	12.8	2.6	0.4
23°	1078.9	1062.4	1017.5	941.8	837.4	693.6	520.8	133.4	12.3	2.2	0.2
24°	1104.5	1090.6	1038.4	963.6	858.1	711.4	533.3	130.6	11.7	2.0	0.2
25°	1122.8	1110.0	1055.6	978.3	872.0	721.1	537.3	126.2	11.0	1.8	0.2
26°	1140.1	1126.3	1069.9	986.9	879.2	724.2	533.5	121.3	10.3	1.5	0.0
27°	1152.7	1138.6	1079.8	992.0	879.7	720.5	523.4	114.7	9.7	1.3	0.0
28°	1166.1	1149.8	1086.6	994.8	877.0	711.7	508.9	107.7	9.2	1.1	0.0
29°	1174.3	1158.9	1093.7	997.9	871.5	696.9	487.7	99.3	8.1	0.7	0.0
30°	1179.6	1161.3	1093.0	994.6	864.2	681.1	462.4	92.3	7.0	0.7	0.0
31°	1175.2	1156.0	1086.0	985.4	852.6	660.4	436.4	83.5	5.7	0.4	0.0
32°	1165.7	1143.0	1073.7	969.3	831.7	633.7	409.6	76.2	4.2	0.4	0.0
33°	1142.6	1123.4	1051.4	947.7	804.4	597.6	374.5	69.1	2.9	0.2	0.0
34°	1113.5	1094.3	1021.0	918.9	767.8	550.9	332.0	61.9	2.4	0.2	0.0
35°	1075.2	1056.3	986.7	878.6	719.4	494.8	288.2	55.5	2.0	0.2	0.0
36°	1034.9	1009.8	943.3	835.6	654.4	430.9	241.3	48.2	1.5	0.2	0.0
37°	975.7	958.7	884.9	770.2	584.2	369.7	207.2	41.6	1.1	0.2	0.0
38°	914.2	898.6	826.6	704.4	505.8	309.1	173.5	35.2	0.9	0.0	0.0
39°	850.8	824.8	753.7	620.1	423.6	258.9	146.0	29.5	0.4	0.0	0.0
40°	751.3	731.5	655.5	518.8	350.5	209.8	124.4	22.5	0.4	0.0	0.0
42.5°	498.1	479.6	399.9	281.4	186.3	122.6	82.1	8.8	0.0	0.2	0.0
45°	256.7	245.1	199.1	147.3	105.7	75.3	52.8	5.5	0.0	0.2	0.2
47.5°	101.9	100.0	90.3	77.9	60.1	44.7	28.8	2.4	0.0	0.2	0.2
50°	27.5	27.7	26.0	24.0	21.8	20.5	12.1	0.7	0.0	0.4	0.2
52.5°	11.7	11.9	11.4	10.8	9.7	7.3	4.8	0.2	0.2	0.4	0.4
55°	2.4	2.6	2.9	3.1	3.5	3.1	2.0	0.0	0.2	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.4	0.0	0.2	0.4	0.7
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4	0.7	0.7
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.7	0.9
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	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	0.4	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.7	0.4



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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	0.4	0.7	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	0.4
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°	10.1	10.1	10.1
2.5°	7.0	6.4	6.2
5°	4.8	4.2	3.7
7.5°	3.3	2.6	2.4
10°	2.2	1.8	1.5
12.5°	1.5	0.9	0.9
15°	0.9	0.7	0.7
17.5°	0.4	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	0.4
45°	0.2	0.4	0.7
47.5°	0.4	0.7	0.9
50°	0.4	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	1.3
60°	0.9	1.1	1.1
62.5°	0.9	1.3	1.3
65°	1.1	1.3	1.3
67.5°	1.1	1.3	1.3
70°	0.9	1.1	1.3
72.5°	0.9	1.1	1.1
75°	0.7	0.9	0.9
77.5°	0.7	0.7	0.9
80°	0.4	0.7	0.7

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.4	0.4	0.4
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)